

**Assessing the Population Health Effects of Camel SNUS and Its
Proposed Marketing as a Modified-Risk Tobacco Product
Statistical Modeling Using the Dynamic Population Modeler
Execution 1 Final Report**

RAI Services Company

RAI Services Company

RAI Services Company

Ramboll Environ

Ramboll Environ

Sandra Sulsky, MPH, PhD

Sandra Sulsky, MPH, PhD

Ramboll Environ

Ramboll Environ

RAI Services Company

RAI Services Company

RAI Services Company

RAI Services Company

This research was conducted on behalf of RAIS in support of tobacco product-related regulatory submissions, and will only be used and/or disseminated for such purposes.

Table of Contents

Öc^& cŷ^• { { æ̃ } FÈ Qc[à̃ & c̃] FÈ Üæ̃ } æ̃ FÈ Üæ̃ c̃æ̃ { [à̃^• T[à̃^|• àæ^à [] æ̃• ã *|^ àãc@& @|c T[à̃^|• àæ^à [] æ&[•• Ë^& c̃] [~c@] [] |æ̃] FÈ Uàb&cŷ^• GÈ T^c@ à̃• GÈ Uç^içã, [~c@ ÖÚT ÇFD GÈW^ [~] | [b&c^à] ~| & c^] | [àæ̃ãã• æ̃ ÖÚT ÇFDã] ~c-| dæ̃•ã̃ } • ã d^ àæ&ŷ ^c [•~|^ Öæ̃ ^| ÜPwÜ ã æ̃ã̃] Ü, æ&ç * d^ Öæ̃ ^| ÜPwÜ ~•^ GÈ Ü•^•æ&@~•^•c̃ } • æ̃ à & [|^•] [] ãã * ÖÚT ÇFDcæ̃•ã̃ }] | [àæ̃ãã• Ú [] |æ̃ } @çc@~•& àæ^à [] & { àã^à à^}^ãã ç̃ à @ç { ~| dæ̃•ã̃ } • Ú [] |æ̃ } @çc@~•& à^ d^ ã ããã ç̃ à^}^ãã ç̃ à @ç { ~| dæ̃•ã̃ } • Ú [] |æ̃ } @çc@~•& àæ^à [] ±, æ&ç * q& { àã^à, æ@çd^ { ^•& } çã̃ • † | @ç { ~| dæ̃•ã̃ } • Ú [] |æ̃ } @çc@~•& àæ^à [] •••ç { æ̃ã̃ } ã &^æ^à ç̃•cæ^ &æ * [|^ [~Öæ̃ ^| ÜPwÜ ~•^ HÈ Ö^æ̃^à à̃•&ã̃ c̃ } [~|^• |ç ~| { ç@ ÖÚT ÇFDæ̃^à ç̃ ç̃•^• Ú [] |æ̃ } @çc@~•& àæ^à [] & { àã^à à^}^ãã ç̃ à @ç { ~| dæ̃•ã̃ } • Ú [] |æ̃ } @çc@~•& à^ d^ ã ããã ç̃ à^}^ãã ç̃ à @ç { ~| dæ̃•ã̃ } • Ú [] |æ̃ } @çc@~•& àæ^à [] ±, æ&ç * q& { àã^à, æ@çd^ { ^•& } çã̃ • † | @ç { ~| dæ̃•ã̃ } • Ú [] |æ̃ } @çc@~•& àæ^à [] •••ç { æ̃ã̃ } ã &^æ^à ç̃•cæ^ &æ * [|^ [~Öæ̃ ^| ÜPwÜ ~•^ I È Ô [] & • ã̃ } •

List of Appendices

- 05] ^} àã ÖKÔ[{] | ^ ò ^ & ã } • [~ | Viã • ã } Ú[àã ãã • Ö Ù ^ ^ & @ Ù ^ ^ ã } D[| Ù ^ | ãã } [~ Ö ã ^ ^ •
- 05] ^} àã ÖKÖab • ã * WËÛÛ [\ ã * Ö ããã } ã à Ö ^ • ãã } Üãã • ã à T [| ãã Üãã • ã [{ @ Saã ^ | Ë Ù ^ | { ã ^ } ã Ö [@ | c Ù c ã ^ ã | W ^ ã @ ÖÜT ËFD
- 05] ^} àã ÖKT ^ c @ ã • W ^ ã ã | Ù ^ • ããã Ö ã ã ^ • ã | @ Ù ^ & } ãã ^ Pã { ~ | Viã • ã } ã ^ | ã ^ • ^ q
- 05] ^} àã ÖKÜ ^ • ^ | • ã [{ Šã ^ Öc] ^ & ã & ŠÖDã ã Ù ^ ãã ËÖab • ã à Šã ^ Öc] ^ & ã & ÖÜSÖDÖ ã ã ^ • •
- 05] ^} àã ÖKÜ ^ • ^ | • ã [{ Ö ã ã ^ • • [~ ã { à ^ | • [~ Ù ^ | çã [| • ã | Ö Ë Ö ^ Ö ã | çã
- 05] ^} àã ÖKVã] ã * Ú[ã c Öc ã [| ãã } •
- 05] ^} àã ÖKÖã • ^ • ã * @ Ö { ~ | ãã ^ Ö ^ & @ [~ Öc] [~ ^ | ^ Viã • ã } • [~ ã] ããã * ã Öã ^ | • ã } ã [{ Ù ^ ãã * çã à ãããã } ã Ö ãããã } q
- 05] ^} àã ÖKVã] ã * Ú[ã c Ö ã ã ^ • ã ã | Y [{ ^ }

V@ dඅ•ඔූ }]| àඔඔඔඔඔඔ ට| ±, ඔඔඔ * qඅ අ ඔඔඔඔඔඔ ට| { ~ ඔඔඔ * q| { ÜÜÜq ඔඔඔඔ [à ~•^q•c' á' , ^|^ ඔ ඔ P[, ^c|^É~|o@|•^)•ඔඔඔ ඔ ඔඔ * [~o@ ± ඔ ඔ { [à|^q•@, ^á o@ඔ|^á' &ඔ } [~ඔ] |ඔ ඔ' à^)^ ඔඔඔ ඔ ඔ à @ඔ { ~| dඅ•ඔූ }]| àඔඔඔඔඔඔ à' |íÁ É, ඔඔ |^ඔඔ ඔ *]| àඔඔඔඔඔඔ ට| @ •^& } áඔ' @ඔ { ~| dඅ•ඔූ } • • ඔඔ |^• |ඔ' ඔ ඔ ඔ |ඔඔඔ ඔ' ^ඔÉ, ඔ@ඔ ^• ඔඔ ඔ' FÉ | € ඔ' á FÉ @É ඔඔ'ඔඔ } ඔ • |ඔඔ | • ඔ @ & })ඔ-ඔඔ' ඔ • & } ඔඔ • ඔ @ ^) á [~ඔ' & ඔ * |' |íÉ G ^ ^ඔ • É-|: ÖÜÜ • [~ÉÉ] ඔ' á ÉFÉ|^•) ^&ඔ|^'ÉÉo d'É•^•)•ඔඔඔ ඔ' ඔ' •• o@ඔ ඔ •••^á ඔ|ඔ' ^ [~ÖÜÜ • ඔ' áඔඔ' á o@ඔ ÖÜÜ • |' Öඔ ^| ÜPÜÜ |^|ඔඔ^ d' &ඔ' ඔ' ^• [~ÉÉ] | | | , ^ , [~|á | | | ඔඔ^ ඔඔ^ |] | ඔඔ } @ඔ@à^)^ ~ÉV@ , ඔ @ @ & ^ ^c^) @' * @ { [\ ඔ * & •• ඔඔ } , ඔ ඔ | , ^ á d [& : | @ | * @' c | á' ඔ ඔ ^ á { } WÉÉ&•• ඔඔ } |ඔ • Dà' c T ÜVÜ &•• ඔඔ } , ඔ •• ^) á' á L ඔ ඔ |^• |É ±, ඔඔඔ * q|^| ඔඔ' á • { [\ | • É • { ^ [~ , @ { ^c^ } c' ඔ' à' & ^ ^ | { | • { [\ | • É, ඔ@T ÜVÜ ~•• | • , @ & } |á } [c ~ ඔÉ

Ó)^ ඔඔඔ ඔ ඔ à @ඔ { ~| dඅ•ඔූ } • , ^|^ ඔ [^c^ ඔ' ඔ' á , ඔ@ @ & })ඔ-ඔඔ' ඔ • & } |ඔඔ | • ඔ' •• ^ á d' ^• ඔ' ඔ' @ { ඔ' } ඔ' á [~ඔ'] ^ ඔඔඔ dඅ•ඔූ } |^ ~ ඔ' á' d [~^c@] | | | ඔඔ } @ඔ@^~&@ [~|^ | | { |^ @ඔ { ~| dඅ•ඔූ } • ÉV } | ඔ *] | ඔ • ^c^ ඔ' ඔ' á |' | @ & : | |) c ඔ' ඔ' •• , ^|^ á' c^ ^) @ | | ඔ' ඔ' à^)^ ඔඔඔ dඅ•ඔූ } É ±, ඔඔඔ * d'ඔ' á' á' ^|^) c & { à' ඔඔ } • [~] |ඔ ඔ' ඔ' á' • & } áඔ' @ඔ { ~| dඅ•ඔූ } • É Ó•^ á { } ඔ' ÖÜÜ [~ÉÉ] ඔ' á' ඔ' ••) c@ à^)^ ඔඔඔ |ඔ ඔ' dඅ•ඔූ } [~ ±, ඔඔඔ * d'@ • |ඔඔඔ' á' ඔඔ' ඔ' & })ඔ-ඔඔ' ඔ • & } |ඔඔ | • ඔ' •• ^ á' d' à' ඔ' ඔ' c | €€ ^ , ^|^ • |ඔඔ | • É ± | ඔ *] | ඔ' ඔ' ඔ' •• ඔ' á' ඔ' á' o@ඔ & } & : | |) c ඔ' & ^ ඔ' ඔ' ±, ඔඔඔ * q| ~ඔ [~c' ÉÉ Á' ඔ ^ ඔ' ඔ' & ඔ * |' É-|: ඔ' • F | É ^ ඔ' D] | | ඔඔ' á' ඔ' [ඔ' c^ • ඔ' ඔ' |' | @ @ á' ^|^) & ඔ' @ } { à' | [~• |ඔඔ | • ඔ' })ඔ-ඔඔ' ඔ • & } |ඔඔ | • ඔ' •• ^ á' d' ^• ^ D o@ , ඔ ± ^ ඔ : ^ | | d' q d [á' & ඔ * @ ^ d' { ^ • & } ඔ' [~ඔ' É | ^ | ඔ' •• d' • { [\ ඔ * ඔ'] * à' ^ & ^ • { [\ ඔ * ~ ඔ' • , @ ඔ' • ඔ' • , ඔ@á' d' ~ ඔ * Óඔ ^| ÜPÜÜ q|^| ඔ' ^ d' ඔ' • } | | { ~ ඔඔ * | | | | ඔඔ' á' ඔ' [ඔ' c^ • ඔ' ඔ' o@ , ඔ ± ^ ඔ : ^ | | q , @ } @ | ^ , ඔ ඔ & } & : | |) c | É Á' ඔ' & ^ ඔ' ඔ' ±, ඔඔඔ * d' ඔ' ඔ' | É ඔ' É | ^• | } |ඔ } [~• { [\ ඔ * ඔ'] * à' ^ & ^ & } |ඔ' ඔ' • { [\ | • , @ • , ඔ@á' d' Óඔ ^| ÜPÜÜ q|^• { ^ • { [\ ඔ * d' & } | | ^ á' d' ±, ඔඔඔ * |á' ~| á' á' @ ඔ' | ඔ *] | ඔ' ඔ' ඔ' • É | @ | • ඔ' | ඔ' | @ @ ; ÖÜÜ [~ÉÉF @ඔ' ඔ'] { ඔ' ^~&c | } @ @ | ඔ *] | ඔ' ඔ' ^• ඔ' • ÉV@ •• |^• | @ á' { } • d' ඔ' o@ & { } | | • , ඔඔඔ * d' ඔ' T ÜVÜ o@ | ^•) • • ^ • ඔ' ඔ' | , ^ | { | | ඔ' | á' • @ඔ' &ඔ' ඔ' • É , @ } ඔ' & : | • ඔ' ^ ඔ' @ ඔ' & ඔ * |' ඔ' | } * ඔ' { ඔ' | | | | |ඔ } [~• { [\ | • , @ [@ | , & ^ , [~|á @^ & } |ඔ' ^ á' d' • { [\ | É , [~|á à' ^ | ^ & ^ á' d' [~^c@] | | | ඔඔ } @ඔ { & ^ • ^ á' à' @ & | | ^ & ^ ^ ~ &@ [~] } |ඔ' } á' á' @ඔ { ~| & @ ^ • ඔ' ඔ' d' à' & | ~• ^ á' @ඔ' | • o@ { ඔ' à' ඔ' • [& ^ á' , ඔ@ , ඔ'] | ^ ඔ' ඔ' | | | | [~ඔ' T ÜVÜ É

V@ } ^c^ | á' • [~ÖÜT ÉFÉ| ඔ' á' ඔ' ඔ' •• ඔ' á' •• ^ á' @ **second objective** É d { |^ & | ^ | ^ ඔ' •• @ ඔ' | ^) & [~•] ^ & & @ ^ • ඔ' ඔ' d' à' & | ^ | | • ~ | ^ | ඔ') • É | ^ | ^ & ^ á' d' | ^• | c | { Óඔ ^| ÜPÜÜ ඔ' á' ඔ'] | | | • ^ á' { [á' á' á' É | } { ^• ඔ' ඔ' • É } @ [c^ | ඔ' ± ^ |] | | ඔඔ } @ඔ@^~&ÉV@ [à' & ^ , ඔ ඔ' @ c^ á' à' ^ c^ ඔ' ඔ' @] | | | ඔඔ } | ^ c^ | ^ ~ & @ ^ • ඔ' ඔ' à' ^) ^ ඔඔඔ ඔ' á' @ඔ { ~| d' à' & | ^ | | • ~ | ^ | | ඔ') • É | ඔ' ඔ' ඔ' ඔ' ඔ' ඔ' á' ඔ' & { à' ඔ' } • É á' ^ á' | ඔ' | | | | | & @ ^ | | | à' ඔ' | | | • ~ | ÜÜÜq ඔ' | | @ [á' ~• ^ q • c' á' É U] | | ඔඔ } • |ඔඔ' , ඔ' •• ^ á' ඔ' ඔ' | | * ඔ' | | | | | ඔඔ } @ඔ@É Öc [• | ^ dඅ•ඔූ } • ^ c^ ඔ' á' ~ ඔ * @ ÖÜT ÉFD ඔ' & ^ á' @ • ඔ' ^ | | ඔ' ඔ' ඔ' á' • & } dඅ•ඔූ } • ඔ' á' & | ^ á' | | @ ~ c | à' & ^ ඔ' ඔ' á' @ • ඔ' ^ ÖÜÜ • [~ÉÉ] ඔ' á' ÉFÉ

H Y @ | ^• | | | ^•) | á' @ | ^ , ^|^ á' ^ á' { | | ඔ' | ඔ' • | { ^ } É | } | ඔ *] | ඔ' • | | ±, ඔඔඔ * q, ^|^ ඔ' { • c ඔ' } |ඔ' | | { ^ } ඔ' á' , [{ ^ } ÉV } | ඔ * { | | ඔ' | ඔ' • | | { ^ } | @ @ ± ඔ' { [à' | q' ඔ' | | , ඔ' @ c' ඔ' | } ඔ' | ඔ' | d' @ ± ^ |] | | ඔඔ } ^ ~ & c @ ^) á' [~ඔ' & ඔ * |' |íÉ G ^ ^ඔ , ඔ ඔ [~c' GÉ | | , ^ | @ඔ' | | { ^ } É Ó' ඔ' | ^• | | ඔ' • @ , } | [Appendix HÉ](#)

^ | ඔ' ^| ÜPÜÜ T [á' á' á' Ü | T •• ඔ' ඔ' K S á | | @ [á' ~W^ ඔ'] * V | à' & | W • | • ඔ' á' | | ÉW • | • É First Execution of Consumer Testing - @ ^) á' á' | ඔ' | | | | | ÉGÉF | É | ඔ' •• ^ á' á' | | @ [@ | c | ^ | ^ & |] • [~ÜÜÜq ඔ' | | @ [á' ~• ^ q • c' á' É, ඔ@á' ^|^) c [á' á' á' É | } { ^• ඔ' ඔ' • É | ^ | | | ^ • ^ } | |

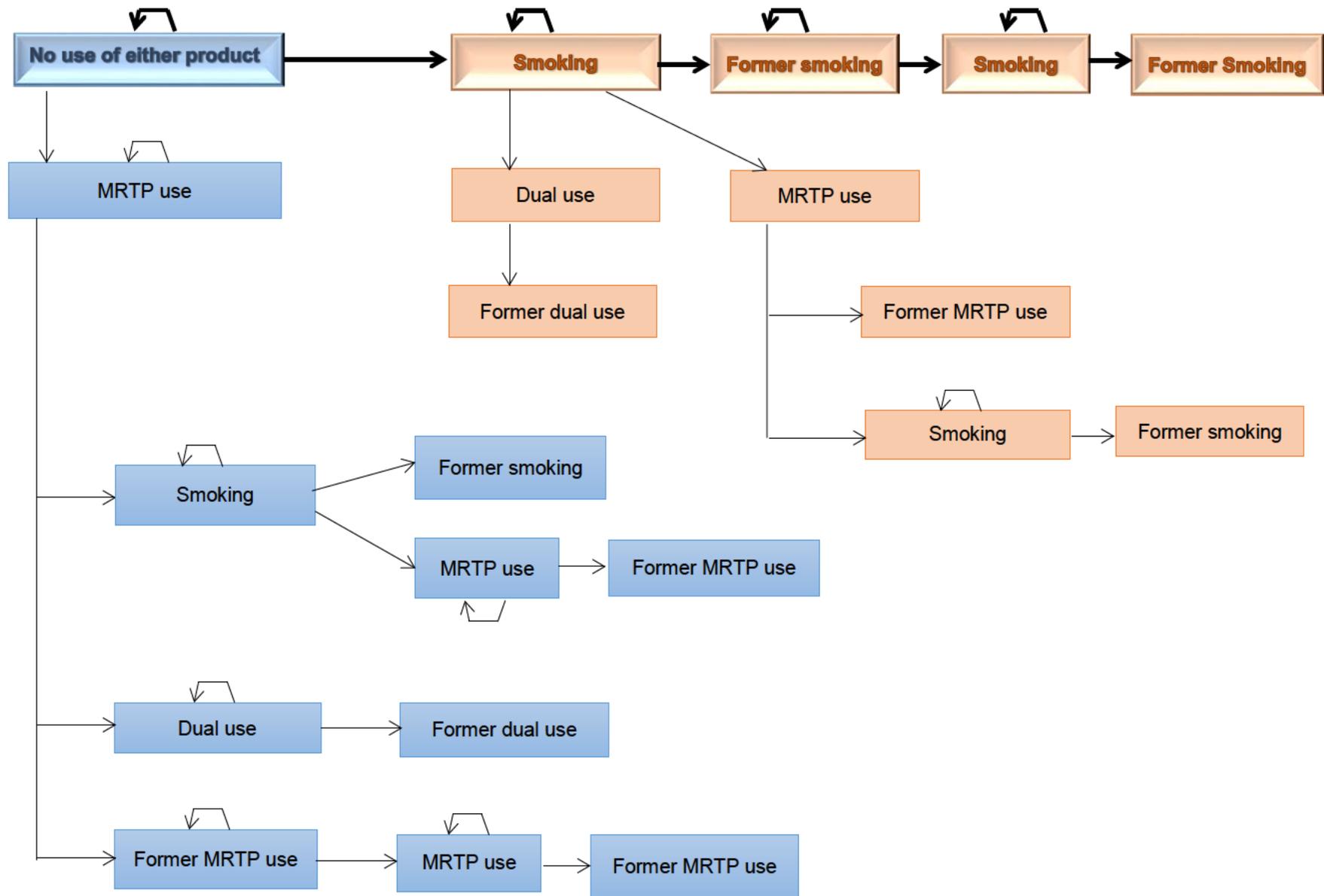


Figure 1: Schematic representation of the distribution of persons into exposure categories by the DPM(+1); transitions for base case (top row) and counterfactual scenario (all rows).

2.3 Research questions and corresponding DPM(+1) transition probabilities

$\text{Pr}(\text{state } i \text{ at } t+1 | \text{state } j \text{ at } t) = \text{Pr}(\text{state } i \text{ at } t+1 | \text{state } j \text{ at } t, \text{state } k \text{ at } t-1) + \text{Pr}(\text{state } i \text{ at } t+1 | \text{state } j \text{ at } t, \text{state } k \text{ at } t-1, \text{state } l \text{ at } t-2) + \dots$

The transition probabilities are defined as follows:

- $\text{Pr}(i \rightarrow j) = \text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1) + \text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1, \text{state } l \text{ at } t-2) + \dots$
- $\text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1) = \text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1, \text{state } l \text{ at } t-2) + \text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1, \text{state } l \text{ at } t-2, \text{state } m \text{ at } t-3) + \dots$

The transition probabilities are defined as follows:

- $\text{Pr}(i \rightarrow j) = \text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1) + \text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1, \text{state } l \text{ at } t-2) + \dots$
- $\text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1) = \text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1, \text{state } l \text{ at } t-2) + \text{Pr}(i \rightarrow j | \text{state } k \text{ at } t-1, \text{state } l \text{ at } t-2, \text{state } m \text{ at } t-3) + \dots$

¹¹ The first execution of consumer testing is defined as the first time a consumer purchases a product.

¹² The transition probabilities are defined as follows:

¹³ The transition probabilities are defined as follows:

¹⁴ The transition probabilities are defined as follows:

ÖÜÜ [~] ð á ÆFF, ^\^ ~ ^á ÷ | @ & !!^) cæ æ ^•Éæ á æ^ àæ^á [] & }•^)• ^• ð æ• ÷ | @ { [| cæ ð ð æ• [æ• á, æ@|] * É\ { ~ ^ [~ æ |, ð æ [• æ ð ^• { [\^•• ð àæ&Ï] | á & c |^ | æ• ð & } ç^) ð } æ ð æ^æ^ æ á } [ð àæ&Ï ~ ^ÉV@ çæ^• [~ @ & }•^)• ^• ð æ• Çæá•ç { ^æ•L • { [\^•• ð àæ&Ï ~ ^ & { } æ^á ð ð æ^æ^• { [\ ð * D, ^\^ FFÉ ÷ | @ •^ æ^• H É J ^æ• æ á } É ÷ | @ •^ æ^• ÉÉ ^æ• Éàæ^á [] æFÉÉ [ð c• & æ^É^W & | cæ ç ð @ çæ^• [~ @ ÖÜÜ, æ æ&Ï ~] ç á ÷ | à { [á | ð * @ | ð \ ^• ð æ• æ | ^• } & æ^á [] | æ | æ á [{ çæáæ^•É, æ@ { ^æ• [~] | | ÉFF æ á • æ á æ á á^çææ } • [~] ÉÉÉ É | @ ÖÜÜ [~] ÉÉÉ • æ á æ á á^çææ } ^)• | á æ | æ * ^ [~ æ] | | ð æ | ÉÉÉ ð ÉFFL æ á É ÷ | @ ÖÜÜ [~] ÉÉÉ æ | æ * ^ [~ æ] | | ð æ | ÉÉÉ ð ÉÉÉ ÉÖ^æ^á ð ÷ | | { æ } | ^* æ á ð * áææ [| & • ÷ | • { [\ ð * ð æææ } æ á & ••ææ } æ á ÷ | | { [| cæ ð ð æ^• á] | | çæ^á ð [Appendix B](#)

Væá^ GÉ KÖ ð æ^á WÉÉ { [\ ð * ð æææ } ÇÉÉJæ á & ••ææ } ÇÉÉ ÉÉÉ D | æ•

Age interval	5-year smoking initiation (%) ^{a,c}	5-year smoking cessation (%) ^{b,c}
13-17	FHÉÍ	ÞÉÉ
18-22	FÉÉÉ	JÉÉ
23-27	FÉÉ	JÉÉ
28-32	ÉÉÉ	FIÉÉ
33-37	ÉÉÉ	FIÉÉ
38-42	ÉÉÉ	FIÉÉ
43-47	ÉÉÉ	FIÉÉ
48-52	ÉÉÉ	FIÉÉ
53-57	ÉÉÉ	FIÉÉ
58+	ÉÉÉ	FIÉÉ

æ Öæ^á [] @ ð KÖ, Éæ @ æ [çæææ ÖÜÜWPÉSFÉÜ^• | Væá^• Þ ÖÜÜWPVæá^• GEFÉÜÞVT ð^á &] ^ Væá^ Fð FÉÉ ÁVæá ÉÖ

á Öæ^á [] @ ð KÖ, Éæ @ æ [çæææ FÉÉÉ GÉ { [\ ð * & ••ææ } ÉÉÉ

ÉÜ á | æ @ á æ } ^ æ • { [\ ð * ð æææ } æ á & ••ææ } | æ•, ^\^ æá•ç á ð æ } , æ@ @ | ÉÉæ æ^• & æ^• [| á • ^á ð @ ÖÜÜ (ÉFÉæ á, ^\^ { ~ | ð | á á à GÉ ð ^• ð æ | æ• [ç^ | æ | ÉÉæ] ^ á á ç } | | çæ^á æ&Ï } • | çæ^• ^• ð æ [~ @ æ^• æ^•] ^• } ÉÉ ^ æ | á [~ • { [\ ð * ð æææ } [| & ••ææ } ð ^æ@ ÉÉæ æ^• & æ^• [| D

á Þ • { [\ ð * & ••ææ } æ |, ^á ð @ - á cæ^• & æ^• [| ÉÉæ^• FHÉÍ ^æ•

Population health effects based on combined beneficial and harmful transitions

V@ **first objective**, æ ð ^• ð æ^• @ ÷ ^æ] [] ~ | ææ } @ æç@^~&c [~ & @ æ * ^• ð ð àæ&Ï ^ç [• | ^] ææ } • ^ç ^æç á ð | ^• | c ÷ | { Öæ | ð ÜPWÜ æ á æ] [] • ^á { æ^• æ æ [áæááÉá \ ð àæ&Ï] | á & ÉV@ [à ð & ^, æ æáá^••^á á & | ^æ^• ^ææ ð ð * æ] | ð æ^• æ á • ^æ] á æ^• ^ç [• | ^ d æ • ææ } • Éá ç } á á æ á ~ } ð ç } á á É • ð * [] | ææ } • | çæææ æ • | | [* æ^• ÷ | [] | ææ } @ æçÉÜ | æ^• ^ç [• | ^ d æ • ææ } • ^ææ ð á ð ÷ | @ •^ æ æ^• ð & ^ á á KÇFD [{ ^ àæ^ & æ^• ^ç^• ð àæ&Ï ~ ^• | ð ææ^• Öæ | ð ÜPWÜ ~ ^• ð • çæ [~ | ^ æ ð *] ^ç^• ð àæ&Ï ~ ^• | Çæááææ } æ ð æææ } ð ÇD [{ ^ àæ^ & æ^• ^ç^• ð àæ&Ï ~ ^• | ð ææ^• Öæ | ð ÜPWÜ ~ ^• ð • çæ [~ ð æææ * & æ^• • { [\ ð * Çæç^• } ææ^• ð æææ } ð ÇD [{ ^ àæ^ & æ^• & !!^) c • { [\^• •, æ&@ ð Öæ | ð ÜPWÜ ~ ^• ð • çæ [~ &] ç } ð * ð ~ ^• & æ^•

!H S^ç ÖVÉ~ { ÷ | á ÖÉÉÖ { { ð * ST ÉÖá ð ÖÉÉÖ ç ç [ÖÉP | æ á ÖÉ^cæÉV@ |^ | æ^• | á \ [~ æ |, ð æ [• æ ð ^ • { [\^•• ð àæ&Ï] | á & ç { } æ^á, æ@ { [\ ð * & æ^• K^• ð æ^• [~ æ] æ | [~ ^ç] ^• ÉÖæ & | Ö æ { ð | Öá { æ^• | ð á^çÉÉÉÉ LFHFÇKGEHÉ ÉÉÉ

Væh^ GË Ê& } dK Û^•^æ&@~^•d } æ å & [[^•]] } åq * dæ•æ }] | àæqææ • { | æ•^•q * @ 3^æ
]] | ææ } @æc@^~^&c [~æ] | q æ^ dæ•æ } • æ å @ •^& } åæ^ dæ•æ } • æ æ, æ ^~^&æ^æ^æ
 • { [\q * qæ å ±^• { ^å • { [\q * æ& { àq^å G æ æ { [å^|D

Research question	DPM(+1) transition probabilities																								
<ul style="list-style-type: none"> some current smokers who would have quit tobacco use instead switch to Camel SNUS use ('diversion from quitting') 	$P_{ij} = \frac{V_{ij}^+}{\sum_k V_{ik}^+}$ <p> $V_{ij}^+ = \frac{1}{N} \sum_{t=1}^T \sum_{s=1}^T \mathbb{1}_{\{i_t=j_s\}} \mathbb{1}_{\{i_{t-1}=i\}} \mathbb{1}_{\{j_{t-1}=j\}}$ </p>																								
	<table border="0"> <tr> <td>CE^• FHËÍ</td> <td>P[•, æ&@ * GËË</td> </tr> <tr> <td>CE^• FÌ ÈGG</td> <td>Ì È</td> </tr> <tr> <td>CE^• G HËÍ</td> <td>Í È</td> </tr> <tr> <td>CE^• G ÈGG</td> <td>Ì È</td> </tr> <tr> <td>CE^• H HËÍ</td> <td>Ì È</td> </tr> <tr> <td>CE^• H Ì ÈG</td> <td>Ì È</td> </tr> <tr> <td>CE^• Í HËÍ</td> <td>Í È</td> </tr> <tr> <td>CE^• Í Ì ÈG</td> <td>Í È</td> </tr> <tr> <td>CE^• Í HËÍ</td> <td>GË</td> </tr> <tr> <td>CE^• Í Ì ÈG</td> <td>FÈ</td> </tr> <tr> <td>CE^• Í HËÍ</td> <td>GË</td> </tr> <tr> <td>CE^• Í Ì È</td> <td>GË</td> </tr> </table>	CE^• FHËÍ	P[•, æ&@ * GËË	CE^• FÌ ÈGG	Ì È	CE^• G HËÍ	Í È	CE^• G ÈGG	Ì È	CE^• H HËÍ	Ì È	CE^• H Ì ÈG	Ì È	CE^• Í HËÍ	Í È	CE^• Í Ì ÈG	Í È	CE^• Í HËÍ	GË	CE^• Í Ì ÈG	FÈ	CE^• Í HËÍ	GË	CE^• Í Ì È	GË
CE^• FHËÍ	P[•, æ&@ * GËË																								
CE^• FÌ ÈGG	Ì È																								
CE^• G HËÍ	Í È																								
CE^• G ÈGG	Ì È																								
CE^• H HËÍ	Ì È																								
CE^• H Ì ÈG	Ì È																								
CE^• Í HËÍ	Í È																								
CE^• Í Ì ÈG	Í È																								
CE^• Í HËÍ	GË																								
CE^• Í Ì ÈG	FÈ																								
CE^• Í HËÍ	GË																								
CE^• Í Ì È	GË																								

æ Q •^} •ææ æ æ •^•È|^å^ &^å dæ•æ }] | àæqææ • à^ Í Á d { [å^| & } •æ^ææ | [, ^| dæ•æ }] | àæqææ •
 @æ • ~^•^•æ^å^å^ æ^ææ [å [~^•^q^c å^
 å Q •^} •ææ æ æ •^•Èæ•^•å^~^&c [~| È^ |^|æ^•^ d • { [\q * æ [] * àæ^ ææ^ • { [\q * ~^•æ^• , @ •, æ&@å
 d Óæ ^| ÛP WÛ •^ q & } æ æ æ & } ææ G^|æ •^æ Appendix C | à^ææ

Vaa| ^ GFKÜ^•^&&@~^•Ü } ð á & [|^•] [] áð * dð • ã }] | [àããããã • { | æ•^•ð * @] [] ~ | ã } @ ð @ ^~&c [~@] | ã æ ^ à^ ^ ãããããã dð • ã } É-ðç!) ãããã ð ãããã } q

Research question	DPM(+1) transition probabilities
What is the expected population health benefit if some never tobacco users who would have initiated cigarette use instead initiate Camel SNUS use ('alternative initiation')?	$U: [\text{àããããã } [\sim\text{ðç!}) \text{ãããã ð ãããã }] \text{ÉÁ}$ $G: [\{ \text{Vaa }^{\wedge} \text{GFD}$ $\text{Ç}^{\wedge} \cdot \text{FHÉÍ ÉFÍ ÉÇÉÇHÉÍ} \quad \text{ÉÉ}$ $\text{Ç}^{\wedge} \cdot \text{G É} \quad \text{ÉÉ}$

Vaa| ^ GFKÜ^•^&&@~^•Ü } ð á & [|^•] [] áð * dð • ã }] | [àããããã • { | æ•^•ð * @] [] ~ | ã } @ ð @ ^~&c [~@] | ã æ ^ à^ ^ ãããããã dð • ã } É, ãããã * q

Research question	DPM(+1) transition probabilities
What is the expected population health benefit if some current smokers who would have continued to use cigarettes instead switch completely to Camel SNUS use ('switching')?	$U: [\text{àããããã } [\sim\text{É, ãããã * } \text{ÉÁ}$ $G: [\{ \text{Vaa }^{\wedge} \text{GFD}$ $\text{Ç}^{\wedge} \cdot \text{FHÉÍ} \quad \text{P[} \cdot, \text{ãããã *}$ $\text{Ç}^{\wedge} \cdot \text{FÍ ÉÇ} \quad \text{FÍ É}$ $\text{Ç}^{\wedge} \cdot \text{GHÉÍ} \quad \text{FÉÉ}$ $\text{Ç}^{\wedge} \cdot \text{G ÉHG} \quad \text{Ì É}$ $\text{Ç}^{\wedge} \cdot \text{HHÉÍ} \quad \text{Ì É}$ $\text{Ç}^{\wedge} \cdot \text{HÍ ÉG} \quad \text{Ì É}$ $\text{Ç}^{\wedge} \cdot \text{IHÉÍ} \quad \text{Ì É}$ $\text{Ç}^{\wedge} \cdot \text{IÌ ÉG} \quad \text{Ì É}$ $\text{Ç}^{\wedge} \cdot \text{ÍHÉÍ} \quad \text{ÇÇ}$ $\text{Ç}^{\wedge} \cdot \text{ÍÌ ÉG} \quad \text{ÇÉ}$ $\text{Ç}^{\wedge} \cdot \text{ÎHÉÍ} \quad \text{ÇÉ}$ $\text{Ç}^{\wedge} \cdot \text{ÎÌ É} \quad \text{FÉ}$

Vaa| ^ GFKÜ^•^&&@~^•Ü } ð á & [|^•] [] áð * dð • ã }] | [àããããã • { | æ•^•ð * @] [] ~ | ã } @ ð @ ^~&c [~@] | ã æ @ { ~ | dð • ã } É-ãããããã } ð ð ãããããã } q

Research question	DPM(+1) transition probabilities
What is the expected population health harm if some never tobacco users who would have remained never users instead initiate Camel SNUS use ('additional initiation')?	$U: [\text{àããããã } [\sim\text{ãããããã }] \text{ ð ð ãããããã }] \text{ÉÁ}$ $G: [\{ \text{Vaa }^{\wedge} \text{GFD}$ $\text{Ç}^{\wedge} \cdot \text{FHÉÍ ÉFÍ ÉÇÉÇHÉÍ} \quad \text{ÉÉH}$ $\text{Ç}^{\wedge} \cdot \text{G É} \quad \text{ÉÉ}$

Vaa^H HFKÖä-^& ã ã • ~|çã[!•É& ~) ò-æð ççç!•• àæ^ &æ^É-| æ^ &æ^* [!^ î Ì È G^ ^æ• àæ^à [] dæ•ã } • [~æããã } ç ã ãããã } q, ã@ã^|æ^à • { [\ã * ç-çç! } æã^ ã ãããã } q, ã@ãæ, æ ^-^&ç ããã!•ã } ~{ ~ããã * ççã à ±, ã&ç * q, ã@±^• { ^à • { [\ã * çç ççç! } ççç! { [à^|ç

ERR	Additional Initiation ^æ (%)	Alternative Initiation ^æ (%)	Gateway effect/ Delayed Smoking ^à (%)	Diversion from Quitting ^{&} (%)	Switching ^à (%)	Mean	95% PI	
€€€	€€H	€€Í	Í€	FÈ ÈÈÈÈ	ÈÈ ÈÈ ÈÈ	Í ÈJÍ	Í ÈUÌ	Í ÈFÍ
€€F	€€H	€€Í	Í€	FÈ ÈÈÈÈ	ÈÈ ÈÈ ÈÈ	Í ÈÍF	Í ÈJÍ	Í ÈG

æÙ^À ç Table 2.2L] [àæããã ç] |ãà ç æ^ ã çççç FHEÍ ÈFÍ ÈGç à GHEÍ ^æ•
 à Öçç^ (^ dæ•ã }] [àæããã Èã æ•^) & [~^ {] ãããã àææçç] |ãà ç æ^ ã çççç FÍ ÈGÈGHEÍ ç à GÈG^æ•D
 &Ù^À ç Table 2.3] [æ^ ã çççç] ^&ãã] [àæããã•
 à Ú [àæããã • + { çããã [à [~•^ççã^ |ã^ &ã à à ÍÁ Æ ç { [à^|Á Æ |çç! } + { Óæ ã |ÙçWU^•^ ç • { [\ã * ççç! } ^ã • { [\ã * ççç! } ^À • { [\ã * ççç! }] [àæããã •] [àæããã] [àæããã•

Vaa^H HFKÖä-^& ã ã • ~|çã[!•É& ~) ò-æð ççç!•• àæ^ &æ^É-| æ^ &æ^* [!^ î Ì È G^ ^æ• àæ^à [] dæ•ã } • [~æããã } ç ã ãããã } q, ã@ã^|æ^à • { [\ã * ç-çç! } æã^ ã ãããã } q, ã@ãæ, æ ^-^&ç ããã!•ã } ~{ ~ããã * ççã à ±, ã&ç * q, ã@±^• { ^à • { [\ã * ççç! } [àæããã •] [àæããã] [àæããã ç à ççç! } • |ã^ &ã à à^ ÍÁ È, ç] [àæããã •] [àæããã] àæ ççç! } • |ã^ &ã à àæFÈÁ

ERR	Additional Initiation ^æ (%)	Alternative Initiation ^æ (%)	Gateway effect/ Delayed Smoking ^à (%)	Diversion from Quitting ^{&} (%)	Switching ^à (%)	Mean	95% PI	
€€€	€€€	€€H	Í€	ÈÈ Í ÈÈÈ	ÈÈÈÈÈÈ	FÈ HU	FÈ G	FÈ ÍÍ
€€F	€€€	€€H	Í€	ÈÈ Í ÈÈÈ	ÈÈÈÈÈÈ	FÈ GF	FÈ HF	FÈ G

æÙ [àæããã • + { çããã [à [~•^ççã^ |ã^ &ã à à ÍÁ Æ ç] |ãà ç æ^ ã çççç FHEÍ ÈFÍ ÈGç à GHEÍ ^æ•D
 à Öçç^ (^ dæ•ã }] [àæããã Èã æ•^) & [~^ {] ãããã àææçç] |ãà ç æ^ ã çççç FÍ ÈGÈGHEÍ ç à GÈG^æ•D
 &Ù [àæããã • + { çããã [à [~•^ççã^ |ã^ &ã à à ÍÁ Æ L^À ç Table 2.3] [æ^ ã çççç] ^&ãã] [àæããã•
 à Ú [àæããã • + { çããã [à [~•^ççã^ |ã^ &ã à à ÍÁ Æ Èã à ~|çç! |ã^ &ã à à ÍÁ Æ ç { [à^|Á Æ |çç! } + { Óæ ã |ÙçWU^•^ ç • { [\ã * ççç! } ^ã • { [\ã * ççç! }] [àæããã •] [àæããã] [àæããã•

'Net' population health effect of primary beneficial transition, 'switching', and all primary harmful transitions [refer to Table 2.7]

V@•^ ဆဲဆဲ•^• ^ငုဆဲ ဒဲဒဲ•ံ ဝ@ ဒဲဒဲ•ံ [[~|ဆဲ] @ဆဲဝ@•^•&ဝ [-ဝ@ ဝ@•^] ဒဲဆဲ •^ငု [•~|•^ ဒဲဆဲ•ံ]•É
 ±, ဆဲဆဲ•ံ * ငဲ•ဆဲဆဲ•ံ ဆဲ ဒဲ ဆဲဆဲ•ံ] ဝဆဲ ဒဲ ဆဲဆဲ•ံ•ဒဲ } ~[{ ~ ဆဲဆဲ•ံ * ငဲ•ဆဲဆဲ•ံ] WÉÉ:ဆဲ• ငု•^• ဒဲ Table 2.4
 &ဆဲဆဲ•ံ • { [~ဒဲ * ဒဲ ဆဲဆဲ•ံ] ဆဲ [] * } ^ငု• ဒဲ ဒဲဆဲဆဲ•ံ ~•^• [&ဆဲ•ံ• ဒဲ ဝ@ ဒဲ•ဝ@•^• ဆဲ•ံ ဆဲ•ံ * [ဒဲ•ံ • ငု•^• FÉÉ
 Fí Fí Fí EGဆဲ ဒဲ GÉÉ ^ဆဲ•ံ, ဝ@• { [~ဒဲ * &••ဆဲ] } &ဆဲ [&ဆဲ•ံ• ဝ@• ~ * ဝ@• ~ | ဒဲ•ံ•ဆဲဆဲ•ံ ဆဲ•ံ ဆဲ•ံ • { [~ဒဲ *
 ဒဲ ဆဲဆဲ•ံ] ဝ@ ဆဲ•ံ }] | ဆဲ•ံ•ဝ@ [ဝ@•^ ဆဲဆဲ•ံ•É] • { [~ဒဲ * &••ဆဲ] }, ဆဲ ဆဲ [, ^ံ ဒဲ ဝ@ ဒဲ•ဝ@•^• ဆဲ•ံ * [~
 ငု•^• FÉÉ ^ဆဲ•ံ•ဆဲဆဲ•ံ•ံ ဝ@•^ | ÚPWÚ &••ဆဲ] , ဆဲ ••^] ဒဲ•ံ• ဒဲ•ံ• ဆဲ•ံ• ငု•^•] | ဒဲဆဲဆဲ•ံ [~ဝ@•^ |
 ÚPWÚ &••ဆဲ] , ဆဲ •^ငု ငဲ•ဆဲ , [••ဆဲ•ံ•&] ဆဲ•ံ•

ဝ@] ဒဲဆဲဆဲ•ံ•ဆဲ []] ဒဲဆဲ •^•^•ဆဲဆဲ ဆဲ•ံ• ဝ@ { ~ | ဒဲဆဲ•ံ• } • , ^•^• ဒဲဆဲ•ံ• []] | ဝ@•^
] | ဒဲဆဲဆဲ•ံ•Éဆဲ] | ငု•^•ံ•ံ ဝ@ ဒဲ•ဝ@•^•& ငဲ] [~ÚPWÚ ဝ@ ဒဲ•ဝ@•^• [~•^•ငု•^•ံ•ံ•É] ^•&ဆဲဆဲ•ံ•É, ဆဲဆဲ•ံ• ဝ@
 ငဲ ဝ@•^ | ÚPWÚ ~•^ ဒဲ•ဝ@•^• [~&] ငဲ•ံ• ဒဲ•ံ• * ငဲ•ံ• &ဆဲဆဲ•ံ• ဆဲ [] * ဒဲဆဲ•ံ• &ဆဲ•ံ• { [~|•• , ဆဲ] | ဝ@•^ံ•ံ ဒဲ
 | ဆဲ•ံ• ~ [{ FÉÉ ဒဲ Fí Fí ÉÉ•ံ•^] ဒဲ•ံ• * [] ဆဲ•ံ• &ဆဲ•ံ• [~ ငု•^• ဒဲ Table 2.3] | ဒဲဆဲဆဲ•ံ• ဝ@•^ံ•ံ &ဆဲ•ံ•
 } ^ငု• ဒဲ ဒဲဆဲဆဲ•ံ• ~•^• , [~| ဒဲ ဆဲဆဲ•ံ• ဝ@•^ | ÚPWÚ ~•^ ဒဲ•ဝ@•^• [~ { ဆဲ•ံ• * } ^ငု•^• ~•^• ငု•^•ံ•ဆဲ] ဆဲ ဒဲ ဆဲဆဲ•ံ• ဝ@
 , ဆဲ] | ဝ@•^ံ•ံ ဒဲ •^• FÉÉ ငု•^• ဒဲ Table 2.2 ဝ@•^ံ•ံ ဒဲဆဲ•ံ• [&ဆဲ•ံ• ဒဲ ဝ@ ဒဲ•ဝ@•^• ဆဲ•ံ• &ဆဲ•ံ• [ဒဲ•ံ• Éဝ@•^•
 ဝ@] | ဒဲဆဲဆဲ•ံ• ဝ@•^ံ•ံ &ဆဲ•ံ• { [~|•• , [~|•• , ဆဲဆဲ•ံ• ~•^• ဝ@•^ | ÚPWÚ ဒဲ•ဝ@•^• [~•^• * ငဲ•ံ• &ဆဲဆဲ•ံ• ~•^•
 ငု•^•ံ•ံ•ဒဲ } ~ [{ ~ ဆဲဆဲ•ံ• * ဝ@ , ဆဲ] | ဝ@•^ံ•ံ ဒဲ | ဆဲ•ံ• ~ [{ FÉÉ ÉÉÉÉ•ံ•^] ဒဲ•ံ• * [] ဝ@ ဆဲ•ံ• &ဆဲ•ံ• [~ ငု•^•
 ဒဲ Table 2.3]

ဝ@] : ÚÜÜ• [~•^•ံ• ဆဲ•ံ• FÉÉÉဝ@ ဒဲဒဲ•ံ• [[~|ဆဲ] @ဆဲဝ@•^•&ဝ - | ±, ဆဲဆဲ•ံ• * ငဲ•ဆဲဆဲ•ံ• ဆဲ ဒဲ ဆဲဆဲ•ံ•] ဝဆဲ ဒဲ
 ဆဲဆဲ•ံ••ဒဲ } ~ [{ ~ ဆဲဆဲ•ံ• * ဝ@ { ဒဲဒဲ•ံ• , ဆဲ ဆဲ•ံ• | ငု•^•ံ•ံ•^•^•ဆဲ ဝ@ &ဆဲ•ံ• } ဝ@•^ံ•ံ ဆဲ•ံ• &ဆဲ•ံ•] ဆဲ•ံ• É•^• ဝ@•^ံ•ံ ဒဲ
 ဆဲ [~ ငု•^•ံ•ံ•ဆဲဆဲ•ံ• ဆဲ•ံ• FÉÉ ÉÉ ဆဲဆဲ•ံ• ဆဲ•ံ• | ငု•^•ံ•ံ•^•^•ဆဲ] ငု•^•ံ•ံ ဒဲ Table 3.3]

Vဆဲ•ံ• FÉKÖ•^•^• & ဒဲ •~ | ငု•^•ံ•ံ• É&ဆဲ] ဝ@•^ံ•ံ ဆဲ•ံ• •^• •ံဆဲ•ံ• &ဆဲ•ံ• É• | ဆဲ•ံ• &ဆဲ•ံ• [~] | FÉ G•^•ဆဲ•ံ• ဒဲဆဲ•ံ• []
 ဒဲဆဲ•ံ• • [~ဆဲဆဲ•ံ•] ဆဲ ဒဲ ဆဲဆဲ•ံ•] ငဲ•ံ•ဆဲ•ံ••ဒဲ } ~ [{ ~ ဆဲဆဲ•ံ• * ငဲ•ဆဲဆဲ•ံ•] ±, ဆဲဆဲ•ံ• * ဝ@

ERR	Additional Initiation [∞] (%)	Diversion from Quitting ^à (%)	Switching ^à (%)	Mean	95% PI
ÉÉ	ÉÉ	FÉ ÉGÉ	FÉ Fí É	FÉGF	FÉ Fí H FÉ É
ÉÉF	ÉÉ	FÉ ÉGÉ	FÉ Fí É	FFÉ J	J Fí J FÉ J

[∞]Ú•^• ဒဲ Table 2.2] | ဒဲဆဲဆဲ•ံ• ဆဲ] | ဒဲဆဲ •^•^•ဆဲဆဲ•ံ• FÉ Fí Fí EGဆဲ ဒဲ GÉÉ ^ဆဲ•ံ•
^àÚ•^• ဒဲ Table 2.3] | ဆဲ•ံ• ဒဲ ငု•^•ံ•ံ•^•^•ဆဲ] | ဒဲဆဲဆဲ•ံ•

'Tipping point' related to the primary beneficial transition, 'switching', versus all primary harmful transitions and secondary harmful transition 'gateway effect' [refer to Table 2.8]

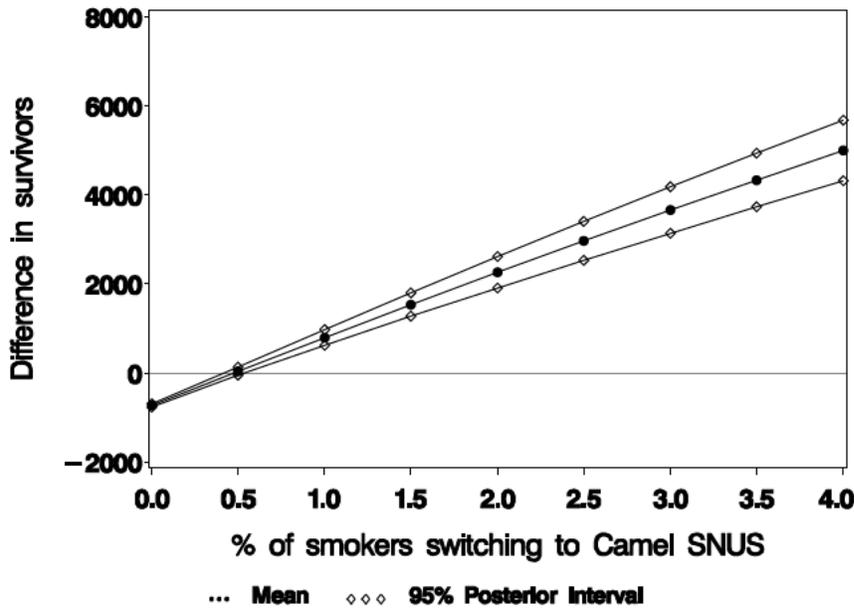
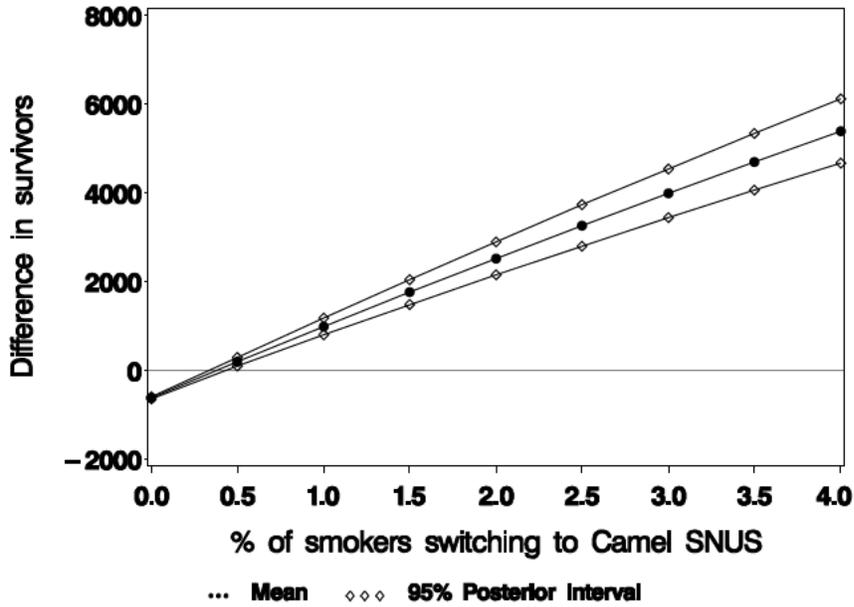
ဝ@•^•ဆဲဆဲ•ံ•ဆဲ•ံ• ဝ@ { ~ | ဒဲဆဲ•ံ• } • , ^•^• ဆဲ [^ငုဆဲ ဆဲ•ံ• , ဆဲဆဲ ဝ@ &ဆဲ] ဝ@ [~ဆဲ] ဒဲ•ံ• * [] ဒဲ ဝ@ဆဲ ဆဲ•ံ••É••^•
 ဒဲ •^•^• ဆဲ ဝ@ { ဆဲ } ဆဲ•ံ• [~ဆဲ•ံ•^•^•ဆဲဆဲ•ံ• &ဆဲ•ံ• * ^ ဒဲ ဒဲ ဒဲဆဲဆဲ•ံ• ^ငု [•~|•^ | ~ ဒဲ•ံ•ံ ဒဲ [~•^•ဝ@] [] ~ | ဆဲ]
 @ဆဲဝ@•^•&ဝ [-] ^ [] [] { [] ^ ဝ@ { ~ | ^ငု [•~|•^ | &ဆဲ•ံ• •ÉV@ ဆဲဆဲ•ံ• •ံ• &ဆဲဆဲ•ံ• @•^•^•^•^• ဆဲ•ံ• ဝ@] ဒဲ•ံ•
] [ဒဲ•ဝ@•^• ဝ@] | ဒဲဆဲ •^•^•ဆဲဆဲ•ံ• ဒဲဆဲ•ံ• [~±, ဆဲဆဲ•ံ• * ဝ@ { ဒဲဆဲဆဲ•ံ• } [~] | ဒဲဆဲ ဆဲ•ံ• •^• &ဆဲ•ံ•] ဒဲဆဲ
 ဝ@ { ~ | ဒဲဆဲ•ံ• } • ငု•^•ံ•ံ•ဆဲဆဲ•ံ•] ဆဲ ဒဲ ဆဲဆဲ•ံ•] ဝ, ဆဲ•ံ• ဆဲ , ဆဲ •^•^•&ဆဲဆဲ•ံ•ံ ဆဲဆဲ•ံ••ဒဲ } ~ [{ ~ ဆဲဆဲ•ံ• * ငဲ•

Væ| ^ HË KÖä-^ ^) & ^ ð • ~ |çä [| • È& ~) ò-æç çç^ | • ~ • àæ ^ &æ ^ È- | æ ^ &æ ^ * [| ^ Ì Ì È G ^ ^æ • àæ ^ à [] dæ • ää } • [~- , ä&@ * çç^ | • ~ • æä äää } æ ð äää } q, ä@æ æ, æ ^-^ &çç ä ää^ | • ð } - [{ ~ ää * ç

ERR	Additional Initiation ^æ (%)	Gateway Effect ^à (%)	Diversion from Quitting ^{&} (%)	Switching ^á (%)	Mean	95% PI	
€€	€€	í €	FÈ ÈÇÈ	€€	È Fí	È F	È JG
				€Ë	FJH	Jì	GJG
				FÈ	Jì	Ì JÌ	FÈì
				FÈ	FÈ ì	FÈ ì	GÈ
				GÈ	GÈ F	GÈ í	GÈ J
				GÈ	HÈ í	GÈ J	HÈ G
				HÈ	HÈ J	HÈ H	È H
				HÈ	È ì	È ì	í È HF
				È	í È €	È í	í È €
				€€F	€€	í €	FÈ ÈÇÈ
€Ë				€Ë	HJ	È ì	FHE
FÈ				FÈ	Ì J	Ì FJ	J ì
FÈ				FÈ	FÈ HG	FÈ €	FÈ €F
GÈ				GÈ	GÈ	FÈ €	GÈ FF
GÈ				GÈ	GÈ €	GÈ ì	HÈ €
HÈ				HÈ	HÈ F	HÈ H	È F
HÈ				HÈ	È ì	HÈ HG	È H
È				È	È ì	È FG	í È €

æÜ^ ^ | ç [Table 2.2L](#) | | àæäç æ } | ä ä ç æ ^ ð çç^ | FÈÈ ÈFÈ ÈGæ à GÈÈ ^ ^æ •
à Öçd^ (^ dæ • ää }) | | àæäç Èä æ • ^) & ^ [~- {] ääç äæçç } | ä ä ç æ ^ ð çç^ | FÈ ÈÇÈÈÈÈ æ ä GÈ ÈG ^ ^æ • D
&Ü^ ^ | ç [Table 2.3](#) | | æ ^ ð çç^ | ^ & ää } | | àæäç ää •
á Ú | | àæäç æ } | ä ä ç æ ^ ð çç^ | FÈ È ^ ^æ •

Figure 3.1: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting' (top: ERR=0.08; bottom: ERR=0.11)



Óæ^à {} ^{ } áðæð áæææ-{{ ÜÖWÜq þá^|æQ[á [-~^•q•c^á^É@]| àææðæð @æ àæ^ ææ^ &ð ææ^ æð ææ^ } , [~|á ð•éææ ð æææ^ ð àææ& ~^• , æ@Óæ^ ^| ÛPWÜ qæ^æ^ ææ^ ð ææææ } Q, æ]| [ð&éá ð à^ €Ë^Á Ç^•^ ð Table 2.2D@æ dæ•ææ } [&&^! • ð @ -ð•c@^æ æ^ ææ^* [!ð•ÉQ @æ ææ^] & [~^ { } áðæð áæææ] @æ •^& } áææ^ @æ [~| dæ•ææ } [~æ^|æ^á • { [\ ð * ð^c@]| àææðæð @æ • [^] [ð] [~Q^• àæ^ ææ^ &ð ææ^ æð ææ^ } , Q ð•éææ ð æææ^ ð àææ& ~^• , æ@Óæ^ ^| ÛPWÜ , [~|á •^•à^~^• } ð dæ•ææ } ð &ð ææ^ ~^• á^ ð * @æ } ^ðcæ^ ð ð^çæ , æ { [á^|á àæ^á] } æ^ ^ð^ { ^ • & } æð [~| €Á Ç^•^ Fí ÈÇÉGHÉÏ æð á Gí ÈG^æ^æ^• ðEV@ ~|çææ^ à^ ^æð @æ &~ } ð^ææ^ æ^• & } æð & [] æ^á ð @æ àæ^ ææ^ , æ ^•ææ^ æ^á ð à^ í €ææáææ } æ^ ~|çæ [!•Éá^•] ^ææ^ [~@æ ÖÜÜ ÇÉÉ]| €ËFD^•á ð @æ ææ^•á Ç^•^ ð Table 3.10ÈÖã^•^] &• à^ç^•^ @æ &~ } ð^ææ^ æ^• & } æð æð á àæ^ ææ^ æ^ { æ^ à^ææ^• [] | æç^•^ { æ^ } { à^ [~àæ^ ææ^ &ð ææ^ æð ææ^ } • & & { ^ Óæ^ ^| ÛPWÜ ~^•• ð @æ &~ } ð^ææ^ æ^• & } æð Læ^ áÈá&æ^•^ , Óæ^ ^| ÛPWÜ ~^•• æ^ ææææ^ ð • , æ&@ð • { [\ ð * É

Vææ^ ÈÈ€KÖã^•^] & ð •~|çæ [!•É&~ } ð^ææ^ æç^•^•^ àæ^ ææ^É-| æ^ ææ^* [!^ í] ÈG^æ^ àæ^á [] @æ dæ•ææ } • [~æ^|æ^] ææ^ ð ææææ } qæ^ á æ^|æ^á • { [\ ð * q

ERR	Alternative Initiation ^æ (%)	Delayed Smoking ^á (%)	Mean	95% PI	
€ÈÈ	€È	Í€	ÍF	IF	ÍF
€ÈF	€È	Í€	ÍÍ	HÍ	ÍÍ

æÛ^•^ ð Table 2.2L] | àææðæð æ]| á ð æ^ ð ð^çæ FHEÏ ÈFí ÈGæ^ á GHEÏ ^æ^ á Öð^ { ^ dæ•ææ }]| àææðæð Èð ææ^] & [~^ { } áðæð áæææ] | á ð æ^ ð ð^çæ Fí ÈÇÉGHÉÏ æð á Gí ÈG^æ^æ^•D

Population health effect of primary harmful transition, ‘switching’, combined with the secondary harmful transition, ‘resumed smoking’ [refer to Table 2.15]

V@^•^ ææ^••^ ^çææ^ æ^á @æ] [] | ææ^ @æ@^~•&cã• { [^ àæ^ ææ^ &^]] c• { [\ ^•• , æ&@ð Óæ^ ^| ÛPWÜ ð•éææ [~&] ð^ ð * ð • { [\ ^Éæ^ á • { [^ [~Q^•^ Óæ^ ^| ÛPWÜ • , æ&@ð •] • { ^ &ð ææ^ ~^• ð @æ •æ^ æ^ ææ^* [!^ . Óæ^á [] WÈÈÈæ^ Ç^•^ ð Table 2.4ÈÈææ^ • { [\ ð * ð ææææ } æ [] * ^ç^• ð àææ& ~^•• [&&^! • ð @ -ð•c@^æ æ^ ææ^* [!ð • Ç^•^ FHEÏ ÈFí ÈGæ^ á GHEÏ ^æ^•É , Q^• { [\ ð * &••ææ^ } &æ [&&^! @æ [* @~ç^•Éææ^ æ^ ææ^ • { [\ ð * ð ææææ } @æ ææ^] | æ^ÉQ | @æ^•^ ææ^••É] [• { [\ ð * &••ææ^ } , æ æ] , ^á ð @æ -ð•cæ^ ææ^* [!^ Ç^•^ FHEÏ ^æ^•Éæ^ á Óæ^ ^| ÛPWÜ &••ææ^ } , æ •^•^] á^á ð | ææ^• Ç@] | àææðæð [~Óæ^ ^| ÛPWÜ &••ææ^ } , æ •^çð €Èæ , [!•ÉÈæ^•& } æð È

Ó [] áðæð áæææ [] @æ] | ð æ^ à^ ^ææð dæ•ææ } [~• , æ&@ð * ð^ , ^| ^ àæ^á []] | [ð&éá] | &@æ^] | àææðæð •Éæ] | çæ^á à^ @æ -ð•c^ç^ & ð] [~ÜÖWÜq þá^|æQ[á [-~^•q•c^á^ÉÜ] ^æ&æææ^ È• , æ&@ð * q ð @æ •^• [~Óæ^ ^| ÛPWÜ ð•éææ [~&] ð^ ð * ð •^• &ð ææ^• æ [] * àæ^ ææ^• { [\ ^•• , æ] | [ð&éá ð ð^•^ ð { FÈ^Á ð Fí È^Á Èá^] } áð^ [] æ^ ææ^* [!^ Ç^•^ ð Table 2.3ÈÈQ @æ ææ^] & [~^ { } áðæð áæææ [] •^& } áææ^ @æ [~| dæ•ææ } • { ÜÖWÜq þá^|æQ[á [-~^•q•c^á^É@ ^~•&c [~•^• { ^á • { [\ ð * q , æ ^çææ^ á^ ð * æ^• & } æð , @^|á^ í €Á [~Q^•^ • { [\ ^•• , Q • , æ&@ð ð ð^ ð * Óæ^ ^| ÛPWÜ ð•éææ [~&] ð^ ð * ð • { [\ ^••à^~^• } ð^ | •^• { ^á &ð ææ^ ~^•ÉW] á^ @æ æ^• { } ð] @æ ±•• { ^á • { [\ ð * q , [~|á |á^ [&&^! ð @æ •æ^ ^| È^ææ^ æ^ ææ^* [!^ æ • , æ&@ð * ð^c@æ dæ•ææ } , æ { [á^|á à^ |á^ &ð * @æ dæ•ææ }] | àææðæð • [] • , æ&@ð * q [{ • { [\ ð * ð Óæ^ ^| ÛPWÜ á^ í €Á ÈV@ •~|çææ^ à^ ^æð @æ &~ } ð^ææ^ æ^• & } æð & [] æ^á ð @æ àæ^ ææ^ , æ ^•ææ^ æ^á ð à^ æ [~ç^• È€ææáææ } æ^ ~|çæ [!• ð | æ ÖÜÜ [~ÈÈ Èæ^ á] ^æ^ í È í €ææáææ } æ^ ~|çæ [!• ð | æ ÖÜÜ [~ÈÈF Ç^•^ ð Table 3.11È

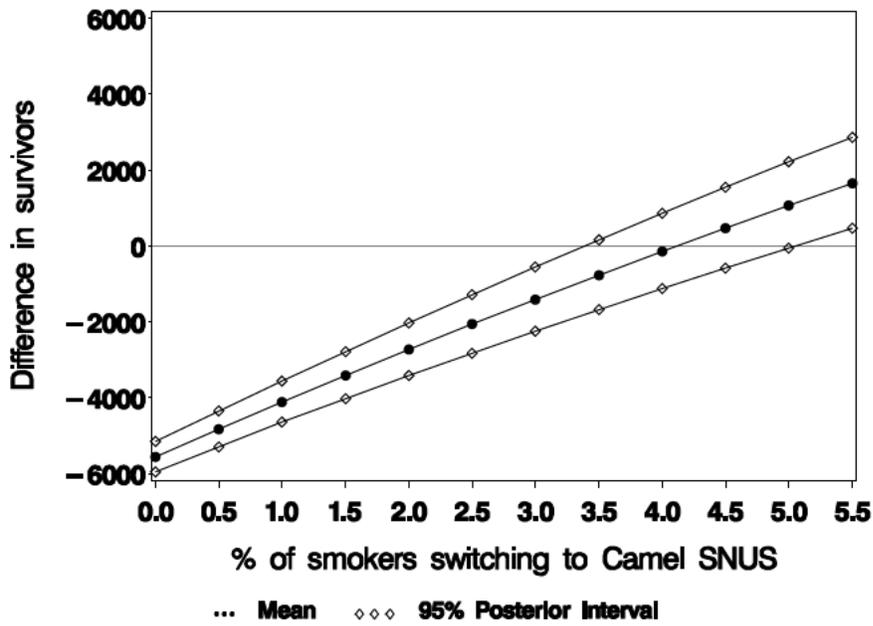
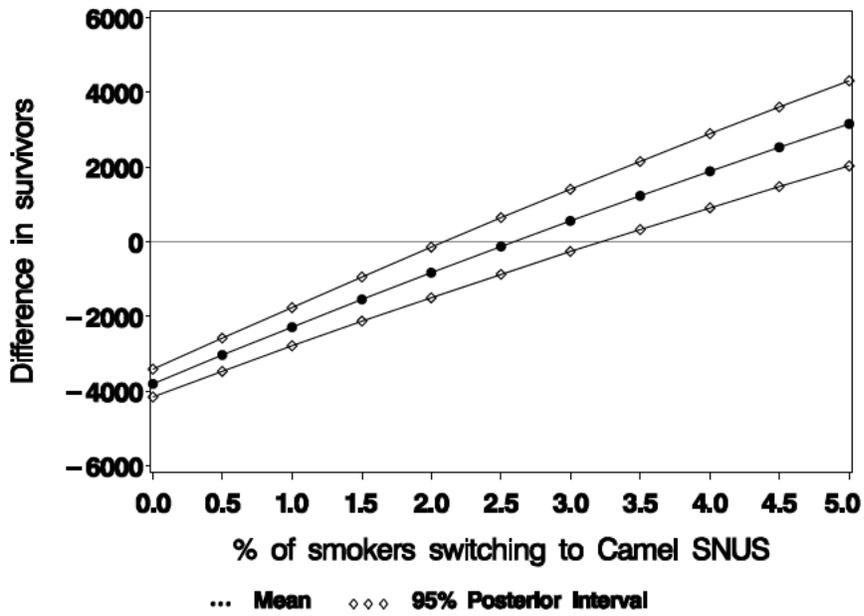
Vaa| ^ HÉFGÖã^ ^) & ã • ~ | çã [| • É & ~ } ò | -ãç ã ç ò | • ~ • àã ^ &ã ^ É | | ã ^ &ã ^ [| ^ ì Ì È G ^ ^ã • àã ^ à [] @ dã • ãã } • [~•, ã&@ * ç ò | • ~ • ã ^ ç d ^ { ^ • & } ãã - | | -ããããã } ã ã ãããã } ç

ERR	Additional Initiation ^æ (%)	Switching ^à (%)	Mean	95% PI	
€€	€€€FHÉÍ	€€	ÈÈ€€	ÈÈÍG	ÈÈFI
		€Ë	ÈÈ€H	ÈÈÌÍ	ÈÈÍJ
		F€	ÈÈ€H	ÈÈÌÌ	ÈÈÍJ
		FË	ÈÈÉ€	ÈÈFH	ÈÌ
		G€	ÈHH	ÈÈ€€	ÈÍ
		GË	ÈHG	ÈÌ	ÌÍ
		H€	ÍÌ	ÈÍJ	FÈ€€
		HË	FÈG	HÍ	GÈÍ
		I€	FÈÌF	JÉ	GÈÌF
		IË	GÈGH	FÈÌ	HÈJ
		Í€	HÈÍF	GÈG	IÈ€€
		€€F	€€€FHÉÍ	€€	ÈÈÉÌ
€Ë	ÈÈG			ÈÈG€	ÈÈÍH
F€	ÈÈFG			ÈÈÌ	ÈÈÍH
FË	ÈÈFH			ÈÈG	ÈÈÌJ
G€	ÈÈH€			ÈÈFÍ	ÈÈG
GË	ÈÈÍF			ÈÈG	ÈÈF
H€	ÈÈÉ			ÈÈÍ	ÈÌ
HË	ÈÍJ			ÈÈÍJ	FÍF
I€	ÈÌ			ÈÈG	ÌÌ
IË	ÌÌ			ÈÌF	FÈIH
Í€	FÈÍ			ÈG	GÈFH
ÍË	FÈÍF			ÌÌ	GÈÌ

^æÒç d ^ { ^ • & } ãã É, @ | ^ à [] | | àããããã • ãã] | ãã ç ã ã ^ ã ç ò | çã • FHÉÍ ÈÍ ÈGã à GHÉÍ ^ ^ã • , ^ ^ FHÉÍ ÈF€€€ã à FÈ€€€ ^ •] ^ &ã ^ ^ Zrefer to Table 2.4^à

^àÚ | | àããããã ãã] | ãã ç ã ^ ã ç ò | çã • FÍÉ ^ ^ã •

Figure 3.2: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on the transitions of 'switching' versus an extreme scenario for 'additional initiation' (top: ERR=0.08; bottom: ERR=0.11)

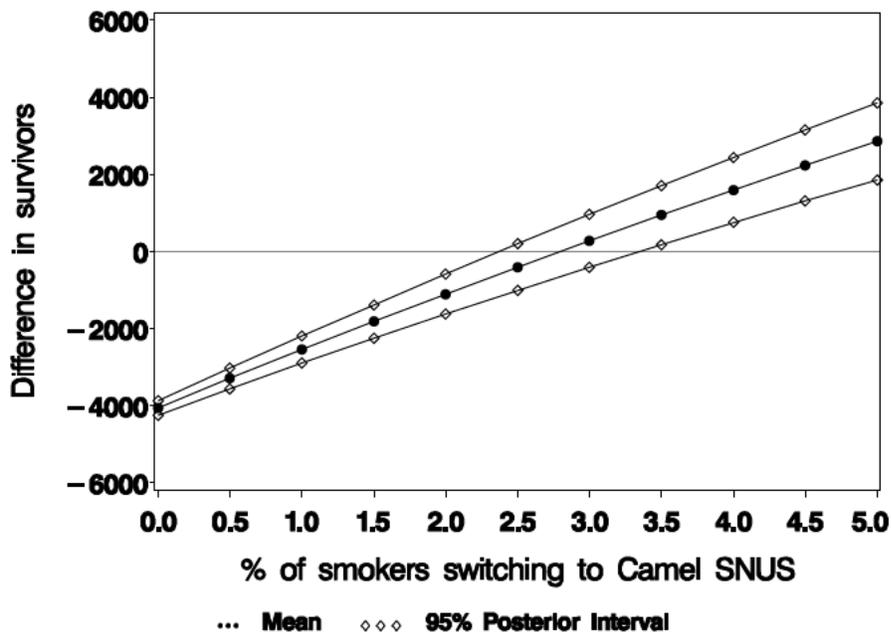
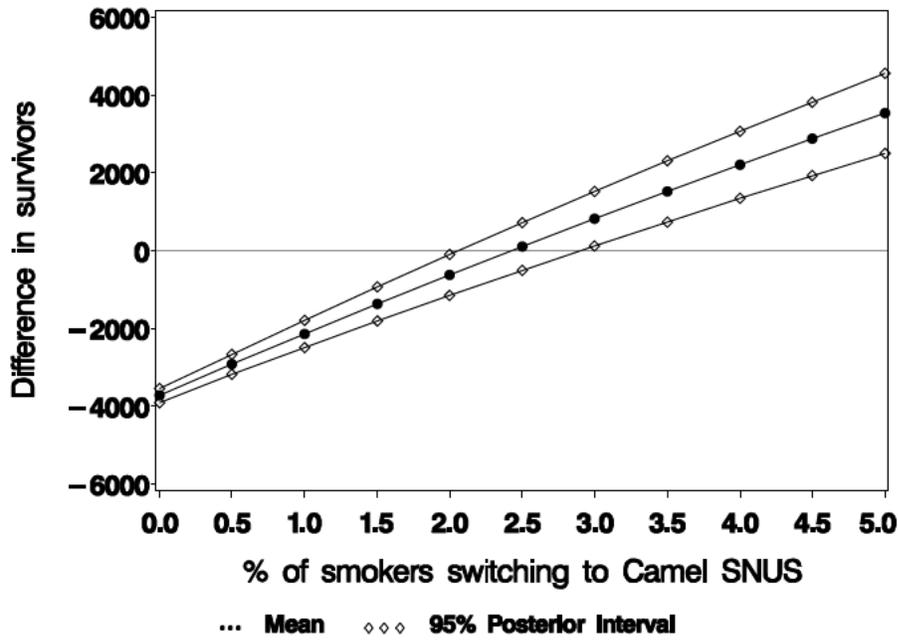


Vaa|[^] HÉHKÖä[^]^[^] & ä •[~] |çä[|•É&[~] } ò[^] ääç ä ç[^]•[~] • àä[^] &ä[^]É- | ä[^] &ä[^]* [|[^] î Ë G[^]^ä[•] àä[^]ä[•] [] ò@ d ä[•] ää } • [~-±, ä&@* çç[^]•[~] • ä•&^[^] ää , ä@[^]^çä[^]ä |ä[•] - | äääää } ä ä äää } çä ä ä[•] ^çd[^] { ^•&^[^] ää - | ±ä[^], ä[^]^~^&ç

ERR	Additional Initiation ^æ (%)	Gateway Effect ^à (%)	Switching ^{&} (%)	Mean	95% PI	
€€€	H€	í €	€€€	€€€ €€	€€€ €€	€€€ íí
			€€	€€€ €€	€€€ €€	€€€ í G
			F€€	€€€ F€	€€€ íí	€€€ J€
			F€	€€€ íí	€€€ FF	€€€ HU
			G€€	€€€ H€	€€€ í H	€€€ €G
			G€	F€€	€€€ FH	íí€€
			H€€	ííí	F€€	F€€€
			H€	F€€ íí	íí€€	G€€€
			I€€	G€€ JJ	F€€ íí	H€€ íí
			I€	G€€ íí	F€€ €€	H€€ FH
í€€	H€€ €€	G€€ Jí	I€€ íí			
€€€€	H€	í €	€€€	€€€ €€ J	€€€ €€í	€€€ íí
			€€	€€€ €€ íí	€€€ €€ G	€€€ €€G
			F€€	€€€ íí H	€€€ J€	€€€ JG
			F€	€€€ Fí	€€€ íí	€€€ íí J
			G€€	€€€ €€G	€€€ Fí	€€€ íí F
			G€	€€€ €€	€€€ €€	FJJ
			H€€	G€€ íí	€€€ €€	Jí€€
			H€	Jí€€	Fíí	F€€€
			I€€	F€€ JH	íí€€	G€€ íí
			I€	G€€ F	F€€ FG	H€€ íí
í€€	G€€ íí	F€€ íí	H€€ íí			

^æÒ[^]çä[^]ä | | äääää ä } | ää ä ä[^] ä çäçä F€€€ €€í €€G ä ä G€€€ ^ä[•]
^àÒçd[^] { ^ ä ä[•] ää } | | äääää Éä ää[•] & [~^ { } ääää äääçä } | ää ä ä[^] ä çäçä Fí €€€€€€ ä ä Gí €€G[^]ä[•]D
[&]Ú: | ääääää ä } | ää ä ä[^] ä çäçä Fí É[^]ä[•]

Figure 3.3: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and extreme scenario for 'gateway effect' (top: ERR=0.08; bottom: ERR=0.11)



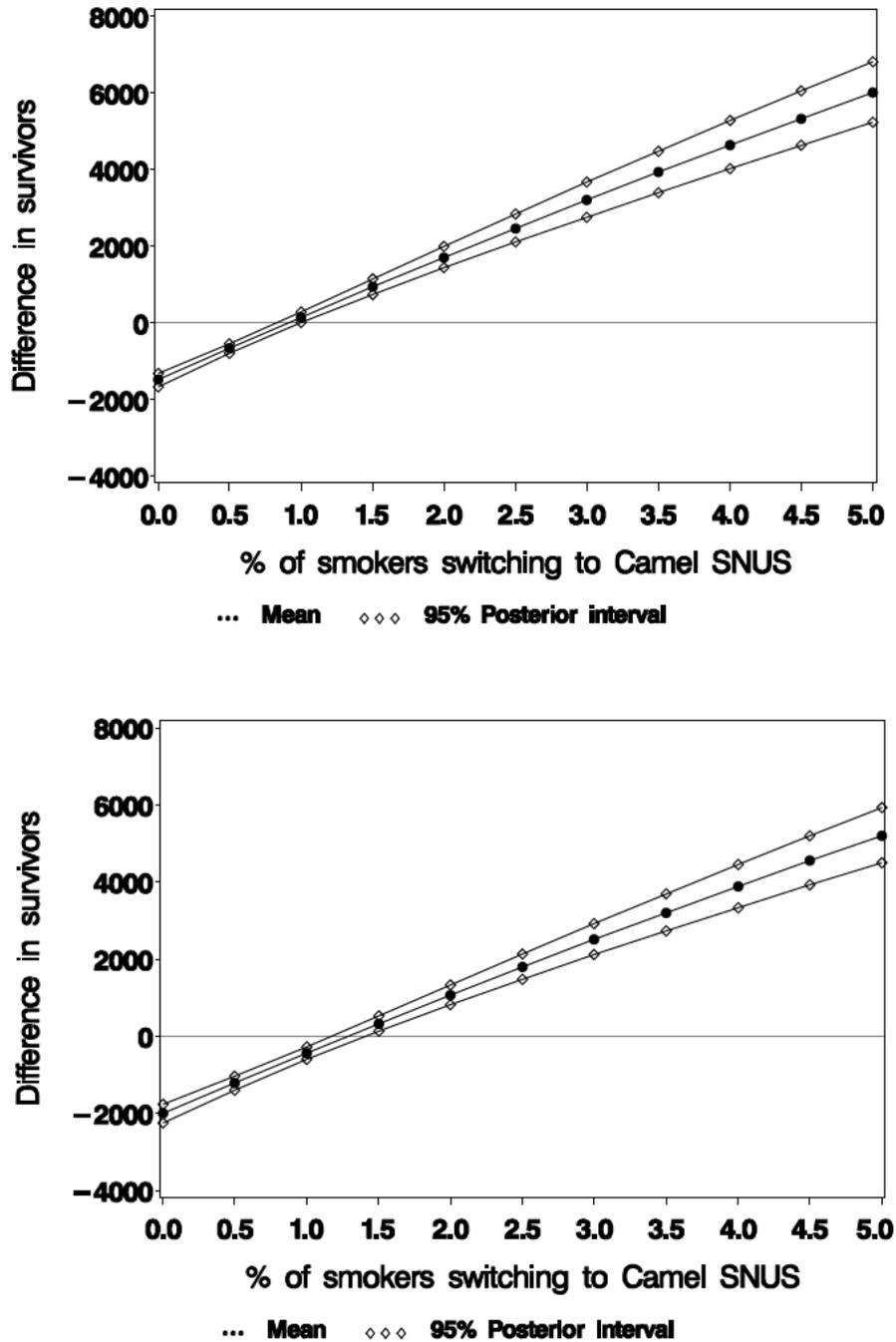
Vaa|[^] HÉI KÖã-^|[^]) & ã •[~] |çã[|•É&[~] } ò-ã&ç ã ç[^]•[~] • àã^ &ã^É- | ã^ &ã^* [|[^] Ì È G^[^]ã• àã^ã
 [] @ dã•ãã } • [~-ã, ã&@* çç[^]•[~] • ã^ òd^ { ^•&} ãã ã- | | ãã[^]•ã } ã- { ~ãã* ç

ERR	Diversion from Quitting ^æ (%)	Switching ^à (%)	Mean	95% PI	
€ÈÌ	Í €	€ÈÈ	ÈÈÌÌ	ÈÈÌÌ	ÈÈÈÈ
		€È	ÈÍG	ÈÌF	ÈH
		FÈÈ	FÍÍ	FJ	GJH
		FÈ	JII	ÌIJ	FÈÍF
		GÈÈ	FÈFÍ	FÈIG	GÈÈ
		GÈ	GÈÍF	GÈFH	GÈÍÍ
		HÈÈ	HÈFÈ	GÈÍÍ	HÈÍÍ
		HÈ	HÈH	HÈÉ	IÈÌÍ
		IÈÈ	IÈÍF	IÈHH	IÈÌÌ
		IÈ	ÍÈHH	IÈÍF	ÍÈÍH
		ÍÈÈ	ÍÈFÈ	ÍÈHI	ÍÈÈJ
		ÍÈ	ÍÈÈG	ÈÈG	ÈÈÍÍ
€ÈF	Í €	€ÈÈ	ÈÈÈÈ	ÈÈUÍ	ÈÈÈÍ
		€È	ÈHH	ÈJJ	ÈG
		FÈÈ	HG	FHÍ	ÍGG
		FÈ	FÈÍJ	ÌG	FÈGJ
		GÈÈ	FÈJÍ	FÈÌÌ	GÈHF
		GÈ	GÈÉ	GÈFH	GÈFJ
		HÈÈ	HÈGÈ	GÈHÈ	HÈJG
		HÈ	HÈÌF	HÈHÈ	IÈÍÍ
		IÈÈ	IÈÍÍ	HÈGÈ	ÍÈGÈ
		IÈ	ÍÈJÌ	IÈJÌ	ÍÈHF

^æÒçd^ { ^ } | [àããããã ãã] | ãã ã ç ã^ ã ç ã çã Fì È^[^]ã•

^àÚ! [àããããã ãã] | ãã ã ç ã^ ã ç ã çã Fì È^[^]ã•

Figure 3.4: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' (top: ERR=0.08; bottom: ERR=0.11)



Vaa| ^ HÉÍ KÖã^ ^) & ^ à çã [| • É& ~ } ò^ ãç ç^ • • àæ^ &æ^ É- | æ^ &æ^ * [| ^ Ì È G ^ ^ æ • àæ^ à [] ~ | & @ ^] | [àæãã] | [b&ç] • - | @ ç æ ò { [à^ | ç Q & ^ æ ç * æ^ &æ^ * [| ^ æ T Ü V Ú æ çãããã]

ERR	First Age Category of Camel SNUS availability		Mean	95% PI	
	For 'Alternative initiation' and 'additional initiation' ^a	For 'switching' ^b and 'diversion from quitting' ^c			
€€	FHÉÍ	FÌ ÈG	Í ÈJÍ	Í ÈUÍ	Ì ÈFÍ
	FÌ ÈG	FÌ ÈG	Í ÈHG	Í ÈIG	Ì ÈII
	GHÉÇ	GHÉÇ	Í ÈÌÌ	Í ÈIH	Í ÈIG
	ÞÐE	G ÈHG	H ÈIH	È ÈÌÌ	H ÈIG
	ÞÐE	H ÈHÌ	F ÈÍF	F ÈG	È ÈÍ
	ÞÐE	H ÈG	F ÈH	J ÈG	F ÈIH
	ÞÐE	Í ÈÌ	Í H	Í Í	Ì G
	ÞÐE	Ì ÈG	GJF	G H	H F
	ÞÐE	Í ÈÌ	JJ	Ì Í	FFH
	ÞÐE	Í ÈG	II	H	Í €
	ÞÐE	Í ÈÌ	F€	J	FG
€€F	FHÉÍ	FÌ ÈG	Í ÈÍF	Í ÈUÍ	Í ÈG
	FÌ ÈG	FÌ ÈG	Í ÈEH	Í ÈÍ	Í ÈÍJ
	GHÉÇ	GHÉÇ	Í ÈÍG	H ÈFÍ	Í ÈHÍ
	ÞÐE	G ÈHG	È ÈÍ€	È ÈFÍ	H ÈJ
	ÞÐE	H ÈHÌ	F ÈÍH	F ÈGJ	F ÈÍ
	ÞÐE	H ÈG	JÍG	Ì Í	F È€
	ÞÐE	Í ÈÌ	Í €	Í G	Ì Í
	ÞÐE	Ì ÈG	G Í	G U	H F
	ÞÐE	Í ÈÌ	JÍ	Ì G	F €
	ÞÐE	Í ÈG	IG	H	Ì
	ÞÐE	Í ÈÌ	F€	J	FF

^a Ù^ ^ | ç Table 2.2L | [àæãã ç] | à^ ç æ^ à ç çã ç FHÉÍ ÈFÌ ÈG ç à GHÉÇ ^ ^ æ •
^b Ù | [àæãã] • - | { çã ç [à ~ • ^ ç ç à^ ^ & à à^ Í È ã ç { [à^ | Í È ã | ç] } - | { Ò ç ^ | Ù Þ W Ù ~ ^ ç • { [\ ç * ç^ ^ • { [\ ç * ç^ ^ ^ ç Table 2.3 - | æ^ à ç çã ç] ^ & æ] | [àæãã] •
^c Ù^ ^ | ç Table 2.3 - | æ^ à ç çã ç] ^ & æ] | [àæãã] •

4. Conclusions

V@ ÖÚT (ÉFÜ)äæ^â ææ^••• ä^•&æ^â ð @ & ;|) c|^| |cæãâ^••â c@^| |ä æ [àb&ä^•ÉV@ -â•c [àb&ä^•, æ ð ^•ä æ c@ ð^ä |] | | } @æc@^•&c [~ & ä^•• ð ð àæ&| ^ç [•^ |] æ| } • ^ç |^ç ä ð |^• |c-| { Öæ | ÜPŮWÜ æ à ä } | | [•^â { æ|^ä^* æ æ [äãäâÉä | ð àæ&|] | ä^• &ÉV@ [àb&ä^•, æ æãâ^•••â à^ & | |^ç | ^ç æ ð ð * æ | | ä æ æ ä •^â } àæ^ ç | [•^ |] d æ • ä } • Éä ç | ä^â æ ä^ } ð ç | ä^â Éä æ^â | æ^ | [] ^ | ä æ æ ä æ æ -| { ÜÖŮ) ç ð | | ä | [ä [•^•^ç ä^•ÉV@ •^â } à [àb&ä^•, æ ð { |^ & | •^ | æ ••• @ ð ð^ä } & [•^] ^ ä ä & ä^•• ð ð àæ&| ^ç [•^ |] æ| } • Éä ç | ä^ç | ^•&c [~ & ä^•• ð à^] ^ ä æ æ æ ä |^• |c-| { Öæ | ÜPŮWÜ æ à ä } | | [•^â { [äãäâÉä | { ••æ ð * É } @ [ç|^æ ð^ä |] | | } | æ| } @æc@^•&ÉV@ [àb&ä^•, æ æãâ^ç^â à^ ç æ ð ð * @] | | | } | æ| } Éä ç|^ | ^•&c [~ & ä^•• ð à^] ^ ä æ æ æ æ ä æ { ~ | ð àæ&| ^ç [•^ |] æ| } • Éä ç ä æ æ | æ æ ä ð | ä æ ä & | { ä ð æ | } • ÉV@ @ä [àb&ä^•, æ ð æ ••• , @c@ | Öæ | ÜPŮWÜ æ à ä } | | [•^â { [äãäâÉä | { ••æ ð * ä | ä | ð @æ ç æ^â] ^ ä æ æ^•&c [] | | | } | æ| } @æc@ | æ æ | ä ä { ä } | ä | ð @æ ç æ æ ç|^•^•&c [] | | | } | æ| } @æc@^ç^â ä^ } ð ç | ä^â & ä^•• ð ð àæ&| ^ç [•^ |] æ| } • æ^ ç ð ç | ^ÉV@ | æ c [àb&ä^•, æ æãâ^••â à^ } à^ | æ ð * æ^ | ä^ [~ æ æ^••• @æ^•ä æ^â c@] | | [| ä] [~ & ;|) c • { |^ | • , @ { •^c & | } | ^ç | • , ä & | ð • ð * Öæ | ÜPŮWÜ ð • ç æ [~ & |] ä^ } ð * ð • { |^ ç | ~ | | [•^ ç æ^ } } ð ç | ä^â | | | } | æ| } æ { @æ ç æ [& ;| ä^ ç | ç ä { •^& } æ ð • ç | } ð ç | ä^â Éä æ { ~ | ð àæ&| ^ç [•^ |] æ| } • Éä ç | æ c@^ [àb&ä^• • É] | | } | æ| } • | ç æ æ , æ •^â æ æ • | | | | } | æ| } @æc@

Y æ@^* æ ä ð @ -â•c [àb&ä^•ÉÖÚT (ÉFÜ)äæ^â ææ^••• ç | @ ç æ ç | { [ä | ç ä^ { | } • d æ^â @æ c@ ð^ä |] | | } | æ| } @æc@^•&c [~ æ | | ä æ à^] ^ ä æ ç d æ • ä } • ç æ ç | æ æ^ ð ä æ æ | ç æ ä ç , ä & ä^* ç æ | | ä æ æ { ~ | d æ • ä } • ç æ ä ä } æ ð ä ä æ æ | ç æ ä ç æ^•• ð • ç | ~ ä æ^* ç æ ä c@ •^â } àæ^ æ { ~ | d æ • ä } • [~ ç æ , æ ^•&ç | æ | æ^â • { |^ ð * ç æ ä ç | ç • { ä • { |^ ð * ç , æ æ • | ç æ æ à^] ^ ç ð @ & | } ç | æ ç ç • & | æ ç æ c@ ^) ä [~ æ^ & æ^* | ^ | É G ^ ç æ • É [~ æ æ | c | É æ æ æ ä æ } æ • | ç æ | • É ç & | ä ð * @] | ä æ à^] ^ ä æ ç d æ • ä } [~ ç æ | æ æ^ ð ä æ æ | ç æ æ | ç æ æ æ | { ð ç ^•&c [] @ ^•ä æ^â } { à^ | [~ • | ç æ | • É , æ @ æ æ ä ä } ç ç & | • ä } [~ æ | •^â } àæ^ æ { ~ | d æ • ä } • ð & | æ^â @ • | ç æ æ à^] ^ ç ð @ & | } ç | æ ç ç • & | æ ç ç æ | ç æ [^ç F G | æ æ ä ä } æ • | ç æ | • É • ð | ð *] | ð ç æ æ^•• • ä æ^â [] @ ç æ ç | { [ä | ç ä^ ç ç æ^â ð * æ ç | æ æ^ ð ä æ æ | ç æ æ | ç æ æ | ç æ æ | { ð ç | ç | [~ • , ä & ä^* ç æ | c | É ä ð ä æ ç æ^* | ^ É æ^• F | É ^ ç • D -| { ä ä ç ç • ð ç æ ç & | | ä^ ç c@æ [^•^•] ç • ä } ä æ ç ç |^• • | ä | @æ ä ä ç ç • ç [] • & ;|) c • { |^ | • , @ , | ä æ^ & | } ä^ ç ð • { |^ | | | ç æ^â æ | | } | æ| } @æc@à^] ^ ä æ ç | ç ç à^ ç æ à^ ä æ ç æ æ ä æ | ä } ä æ ç ç ç & | æ^â ð @ } { à^ | [~ • | ç æ | • ð @ & | } ç | æ ç ç • & | æ ç ç

Q @ ç æ ç | { [ä | ç | @] | ä æ à^] ^ ä æ ç d æ • ä } [~ ç , ä & ä^* ç | ä^ & ä^â c@] | | | | - & | } ä^ } ð * • { |^ | • ð @ & | } ç | æ ç ç • & | æ ç ç • { |^ | • • , ä & | ä ð Öæ | ÜPŮWÜ •^ ð ä æ ç æ^ & æ^* | ^ ÉÜ] ^ ä ä æ ç | @ } { à^ | [~ & ;|) c • { |^ | • |^ { æ ð * æ c@ ^) ä [~ æ^ & æ^* | ^ | É G ^ ç • , æ | ä^ & ä^â à^ ç | Ä ç | É | | ^ { æ ð * & ;|) c • { |^ | • ð @ ç æ ç | { [ä | ç | } æ^â ð ç ç | J | ^ { æ ð * & ;|) c • { |^ | • ð ç æ | [ä | ^ • ç ç | ç ç @ ç æ ç | { [ä | ç ä^ ç , æ ç ç • , ä & ä^* ç ç ç^• ç | Tables G1 and G2 ç | ÖÜÜ • [~ Éä] æ ä É F É^•] ^ ä ç | D ä Appendix G | ^ W | ä | @ æ • { | ä } [-] | ç • { ä • { |^ ð * ç , ä & ä^* ç | ä^ & ä^â c@ } { à^ | [~ |^ { æ ð * & ;|) c • { |^ | • æ c@ ^) ä [~ æ^ & æ^* | ^ | É G ^ ç • ä æ [• ç | Ä É

¹⁰ Y æ^ @ ^ • | • | •] | • ^ | ç | à^ | ^ | ^ ä æ^â [] { | ç æ ç | æ • ç | { ^ } Éä | ä^ } | ç ç | ç , ä & ä^* ç , |^ æ | • c æ^] æ ç ç | { ^ } æ ä , [{ ^ } ÉW^ ð * { | ç æ ç | æ • ç | , [{ ^ } ð @ ç æ ç | { [ä | ç | ç æ | | , æ ç | ç ç ç | æ æ^ ð ä æ æ | ç ç | ç ç |] | | } | æ| } ^•&c æ c@ ^) ä [~ æ^ & æ^* | ^ | É G ^ ç • , æ æ | ç ç | | , |^ | @æ ç | { ^ } É Öæ ç | ä^• | ç ç • @ , } ð Appendix H É

¹¹ Appendix G] | ç æ^â ä^ ç æ^â | ä^• | • ç | @ ç & | ~ | æ æ^ ^•&c [~ ç , ä & ä^* ç |] @ } { à^ | • [~ & ;|) c ç æ ä ç | ç | ^ | • { |^ | • } æ ä & ;|) c Öæ | ÜPŮWÜ •^ | • æ c@ ^) ä [~ æ^ & æ^* | ^ | É G ^ ç • ç Tables G1 ÖÜÜ Éä | D ä G2 ÖÜÜ Éä É F É c@ & | ~ | æ æ^ ^•&c [~ ç ç | • ð *] | ç ç | @ } { à^ | • [~ & ;|) c ç æ ä ç | ç | ^ | • { |^ | • } æ ä & ;|) c Öæ | ÜPŮWÜ •^ | • æ c@ ^) ä [~ æ^ & æ^* | ^ | É G ^ ç • ç Tables G3 ÖÜÜ Éä | D ä G4 ÖÜÜ Éä É F É ä É

04] ^} aã 0KÔ[{] | ^ 0 ^ • & | a q } • [~ V | a } • aã } Ú | [a a aã • Q ^ Ü ^ • ^ a & @ Ü ^ • a } D { | Ü ^ | a aã } [~
04 a } • ^ •

Vaa| ^ CEGH KÜ^•^æ&@~^•ç} æ å & |!•[]] åå * dæ•æ } |! àæååå • |! æ•^•å * @ 3^æ[]] |æ } @ æ@~^æc[~æ] |å æ dæ•æ } • æ å @•^æ } åæ dæ•æ } • ææ, æ ^~^æc|æå•{ [\å * qæ å ±^• { ^å •{ [\å * ç& { ååå

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @•ç å] [] æ } É	Fæ Y @æ]![] [!ç] } å ååå •{ [\å * Ñ	Ü{ [\å * å ååå }	Ç•^• FHÉÍ Ç•^• FÍ ÈGG Ç•^• GHÉÍ Ç•^• GÍ É	FHÉÍ FÉÉÉ FÉÉÉ ÉÉÉÉ	Vaa ^ GÉ
2	Óæ^ &æ^KQÉ [] * •{ [\å!•É	Gæ Y @æ]![] [!ç] } ~•å•{ [\å * Ñ	Ü{ [\å * &••æå }	Ç•^• FHÉÍ Ç•^• FÍ ÈGG Ç•^• GHÉÍ Ç•^• GÍ É	p[~• åå * JÉÉÉ JÉÉÉ FÍ ÉÉÉ	Vaa ^ GÉ
3	Óæ^ &æ^KQÉ [] * !{ \å! •{ [\å!•É	Hæ Y @æ]![] [!ç] } -! æ •^ ç •{ [\å * Ñ	Ü æ •^ ~• åç •{ [\å *	Ç•^• FHÉGG Ç•^• GÉÉ	p[! æ •^ ÉÉÉÉ	Ü& } åå æ• { } ç
4	Óæ^ &æ^KQÉ [] * !{ \å! •{ [\å!•É, @ ! æ •^ ç •{ [\å * É	Iæ Y @æ]![] [!ç] } ~•å•{ [\å * æåå Ñ	Ü& } å ç ^ •{ [\å * &••æå }		Viæ •æå } } [ç [å^å	
5	Ó[~] ç!-æç æKQÉ [] *]!•[]• , @ !\ ç ååå ^ ç! ç åå&ç •^!• å @ àæ^ &æ^É	Iæ Y @æ]![] [!ç] } å •çåå å ååå T ÜVÜ å @ &~] ç!-æç æÑ	Çåååå } æ å ååå }	Ç•^• FHÉÍ Ç•^• FÍ ÈGG Ç•^• GHÉÍ Ç•^• GÍ É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Vaa ^ GÉ
6	Ó[~] ç!-æç æKQÉ [] *]!•[]• , @ å ååå å •{ [\å * å @ àæ^ &æ^É	Iæ Y @æ]![] [!ç] } å •çåå å ååå T ÜVÜ å @ &~] ç!-æç æÑ	Çç! } ååå å ååå }	Ç•^• FHÉÍ Ç•^• FÍ ÈGG Ç•^• GHÉÍ Ç•^• GÍ É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Vaa ^ GÉ
7	Ó[~] ç!-æç æKQÉ [] *]!•[]• , @ å ååå å ç àæ&ç ~^, å@ @ T ÜVÜ å @]!çå ~• æ^ &æ*]!É	Iå Y @æ]![] [!ç] } •, å&@ç •{ [\å * Ñ	Óæ, æ ^~^æcD Ó æåå •{ [\å * æ] * } ^, T ÜVÜ ~^!•É ^çæ^ &æ*]!	Ç•^• FHÉÍ Ç•^• FÍ ÈGG Ç•^• GHÉÍ Ç•^• GÍ ÈHG Ç•^• HÉ	p[•, å&@ * í ÉÉÉÉ í ÉÉÉÉ í ÉÉÉÉ ÉÉÉÉ	Ü& } åå æ• { } ç
		I& Y @æ]![] [!ç] } ååå •{ [\å * ÇÉÉ•æçå~ æ ~^Ñ	Ö~ æ ~^	Ç•^• FHÉÍ Ç•^• FÍ É	p[å~ æ ~^ ÉÉÉÉ	Ü& } åå æ• { } ç
		Iå Y @æ]![] [!ç] } ~•åT ÜVÜ ~^Ñ	T ÜVÜ &••æå }	Ç•^• FHÉÍ Ç•^• FÍ É	p[&••æå } ÉÉÉÉ	Ü& } åå æ• { } ç

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
8	Ó[~] 01-æðç ðKQ [] *] ^!•[]• , @ ð ãææ^á ð àæ& [] ^•^, ã@ @ T ÛVÚE& [] ð ^á T ÛVÚ ^•^ æ á } ^ã@!•, ã&@á ð •{ [\ ð * } [] ~ ãæ ð àæ& [] ^•^	ì à Y @æ] [] [] [] [] •, ã&@ ð •{ [\ ð * Ñ	Öæ^, æ ^-^&cD Ö\æ^á •{ [\ ð * æ [] * & [] ð ^ ð * T ÛVÚ ^•^!•Eæ æ ^ &æ^* [] ð•	0E^• FHGG 0E^• GE	P[•, ã&@ * E€€	Ù& } æ ð æ• { [] []
	ì & Y @æ] [] [] [] [] } ã&á •{ [\ ð * ð È•æcá^ æ ^•^D	Ö^ æ ^•^	0E^• FHGG 0E^• GE	P[á^ æ ^•^ E€€	Ù& } æ ð æ• { [] []	
	ì à Y @æ] [] [] [] [] } ~ ã T ÛVÚ ^•^Ñ	T ÛVÚ &^••æ ð }	0E^• FHGG 0E^• GE	P[&^••æ ð } E€€	Ù& } æ ð æ• { [] []	
9	Ó[~] 01-æðç ðKQ [] *] ^!•[]• , @ ð ãææ^á ð àæ& [] ^•^, ã@ @ T ÛVÚ æ á ^ç^ } ç æ •, ã&@á ð •{ [\ ð *	Jà Y @æ] [] [] [] [] •, ã&@àæ& ð T ÛVÚÑ	Û^ç } •{ [\ ð * ð T ÛVÚ ^•^	0E^• FHGG 0E^• GE	P[] ^ç } E€€	Ù& } æ ð æ• { [] []
	J& Y @æ] [] [] [] [] } ~ ãæ ð àæ& [] ^•^Ñ	Ù([\ ð * &^••æ ð }	0E^• FHGG 0E^• GE 0E^• G É	P[~ ãæ * J€€ FI €€	Væ&^ ÇÈ	
10	Ó[~] 01-æðç ðKQ [] *] ^!•[]• , @ ð ãææ^á ð àæ& [] ^•^, ã@ @ T ÛVÚE^ç^ } ç æ^•, ã&@á ð •{ [\ ð * æ á •^•^•^ } ð •, ã&@á àæ& ð @ T ÛVÚE	Fæ Y @æ] [] [] [] [] } ~ ãæ ð àæ& [] ^•^Ñ	T ÛVÚ &^••æ ð }		V(æ •æ ð } } [c [á^á	
11	Ó[~] 01-æðç ðKQ [] *] ^!•[]• , @ ð ãææ^á ð àæ& [] ^•^, ã@ @ T ÛVÚ æ á ^ç^ } ç æ^ ã&á^á •{ [\ ð * ð È•æcá^ á^ æ ^•^E	FFæ Y @æ] [] [] [] [] } ~ ãæ ð àæ& [] ^•^Ñ	Ö^••æ ð } Eæ ð àæ& []		V(æ •æ ð } } [c [á^á	
12	Ó[~] 01-æðç ðKQ [] *] ^!•[]• , @ ð ãææ^á ð àæ& [] ^•^, ã@ @ T ÛVÚ à^ç^ } ç æ^ ~ ã T ÛVÚ ^•^E	FGæ Y @æ] [] [] [] []] ^æ^á ð T ÛVÚ ^•^Ñ	Û\æ^á^E^ ãð T ÛVÚ		V(æ •æ ð } } [c [á^á	
13	Ó[~] 01-æðç ðKQ [] *] ^!•[]• , @ ð ãææ^á ð àæ& [] ^•^, ã@ @ T ÛVÚE^ç^ } ç æ^ ~ ã T ÛVÚ ^•^ à^ç^ } ç æ^ ~ ã !^æcá^ T ÛVÚ ^•^E	FHæ Y @æ] [] [] [] [] } ~ ã T ÛVÚ ^•^Ñ	T ÛVÚ &^••æ ð }		V(æ •æ ð } } [c [á^á	
14	Ó[~] 01-æðç ðKQ [] *] ^!•[]• , @ ð ãææ^á ð àæ& [] ^•^, ã@ •{ [\ ð * æ á & [] ð ^á •{ [\ ð * ð @ àæ^ &æ^E	FI à Y @æ] [] [] [] [] } ð •^æ •, ã&@ ð T ÛVÚ ð @ & [] ^!-æðç æÑ	Ù, ã&@ *	0E^• FHGG 0E^• FI GG 0E^• GE	P[•, ã&@ * I €€ I €€	Væ&^ ÇÈD •& } æ ð æ• { [] []

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source		
<p>•{ [\ā* ə à &] } ǎ ~ ^ à •{ [\ā* ā @ à æ ^ & æ ^ É</p>			Œ ^ • G Ē Ē G	F Ē Ē €			
			Œ ^ • H Ē Ē Ĩ	€ Ē Ē H			
			Œ ^ • H Ē Ē G	€ Ē Ē J			
			Œ ^ • I Ē Ē Ĩ	€ Ē Ē J			
			Œ ^ • I Ē Ē G	€ Ē Ē Ĩ			
			Œ ^ • I Ē Ē Ĩ	€ Ē Ē			
			Œ ^ • Ĩ Ē Ē G	€ Ē Ē H			
			Œ ^ • Ĩ Ē Ē Ĩ	€ Ē Ē €			
			Œ ^ • Ĩ Ē É	€ Ē Ē			
	FI &	Y @€] ! [[] [] [] } ā • ʘ æ æ à T Û V Û ā ǎ Ē • æ c á ~ ə ~ • ^ D Ö ~ ə ~ • ^ ā @ & ~ } ʘ - æ Ĩ æ Ĩ Ñ	Œ ^ • F Ē Ē Ĩ Œ ^ • F Ē É	P [ā ~ ə ~ • ^ € Ē €	Ù &) æ ā æ • { [] [] }		
15	Ō [~] ʘ - æ Ĩ æ Ĩ æ K Ō Ē [] *] ^ • [] • , @ ā ā æ æ á á á à æ æ & ~ • ^ , æ @ •{ [\ā* à c ~ ~ • { [\ā* ā @ à æ ^ & æ ^ É	F Ĩ æ	Y @€] ! [[] [] [] } • ā & @ á T Û V Û ā @ & ~ } ʘ - æ Ĩ æ Ĩ æ Ĩ • ʘ ^ • ā } + [{ ~ ~ ā Ĩ * Ñ	Ō ā ^ • ā } + [{ ~ ~ ā Ĩ * Ñ	Œ ^ • F Ē Ē Ĩ Œ ^ • F Ē Ē G Œ ^ • G Ē Ē Ĩ Œ ^ • G Ē Ē G Œ ^ • H Ē Ē Ĩ Œ ^ • H Ē Ē G Œ ^ • I Ē Ē Ĩ Œ ^ • I Ē Ē G Œ ^ • I Ē Ē Ĩ Œ ^ • Ĩ Ē Ē G Œ ^ • Ĩ Ē Ē Ĩ Œ ^ • Ĩ Ē Ĩ	P [• , ā & @ * Ĩ Ē € Ē Ē Ĩ F Ē Ē H F Ē Ē H F Ē Ē Ĩ F Ē Ē Ĩ F Ē Ē Ĩ F Ē Ē Ĩ € Ē Ē H € Ē Ē Ĩ € Ē Ē H	V æ ā ^ Ē Ē Ĩ D • &) æ ā æ • { [] [] }
16	Ō [~] ʘ - æ Ĩ æ Ĩ æ K Ō Ē [] *] ^ • [] • , @ ā ā æ æ á á á à æ æ & ~ • ^ , æ @ •{ [\ā* ə á ^ ĉ ^ } Ĩ æ Ĩ æ à á T Û V Û ~ • ^ ǎ Ē • æ c á á á ~ • ^ É	F Ĩ à	Y @€] ! [[] [] [] } ~ ~ ā æ á á á à æ æ & ~ • ^ Ñ	Ō ^ • • æ ā } É æ á á æ æ & [V Ĩ æ • ā Ĩ } } [c [á ^ á á		
17	Ō [~] ʘ - æ Ĩ æ Ĩ æ K Ō Ē [] *] ^ • [] • , @ ā ā æ æ á á á à æ æ & ~ • ^ , æ @ •{ [\ā* ə á ^ ĉ ^ } Ĩ æ Ĩ æ , ā & @ á á T Û V Û ~ • ^ É	F Ĩ à	Y @€] ! [[] [] [] } • , ā & @ á • { [\ā* Ñ	Û ^ ə ~ • ^ T Û V Û á • { [\ā* Ñ	Œ ^ • F Ē Ē G Œ ^ • G Ē É	P [! ^ ə ~ • ^ € Ē €	Ù &) æ ā æ • { [] [] }
		F Ĩ &	Y @€] ! [[] [] [] } ~ ~ ā æ á á á à æ æ & ~ • ^ Ñ	T Û V Û & • • æ ā }	Œ ^ • F Ē Ē G Œ ^ • G Ē É	P [& • • æ ā } € Ē €	Ù &) æ ā æ • { [] [] }
18	Ō [~] ʘ - æ Ĩ æ Ĩ æ K Ō Ē [] *] ^ • [] • , @ ā ā æ æ á á á à æ æ & ~ • ^ , æ @ •{ [\ā* É ^ ĉ ^ } Ĩ æ Ĩ æ • , ā & @ á á T Û V Û ~ • ^ É á c ~ á • ^ ~ • ^ } á • , ā & @ á á æ æ á á á • { [\ā* É	F Ĩ æ	Y @€] ! [[] [] [] } ~ ~ ā æ á á á à æ æ & ~ • ^ Ñ	Û { [\ā* & • • æ ā }	V Ĩ æ • ā Ĩ } } [c [á ^ á á		

Vaa| ^ CEE H K U ^ ^ a & @ ~ ^ . d } a & | | [] a a * d a . a } | | [] a a a a . - | a . . . a * @ # ^ a [] | a } @ a @ ^ ^ & c [~ a] | a a d a . a } . a a @ . ^ & | a a d a . a } . a a , a a ^ ^ & c | a a a . { [\ a * q a a a ^ . { \ a . { [\ a * d & | a a ^ a E V @ ^ ^ & c [~ a | E A | ^ c | } d . { [\ a * a [] * a a ^ & a ^ . { [\ a * ~ a . , @ . , a & @ a d O a | U P W U ^ . ^ a @ & ~ } a - a c a . & } a a G | a ^ a P a a q ^ . a a a

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óae^ &ae^KQ @ . c á ~ a a } É	Fae Y @e d } a a a a . { [\ a * N	U{ [\ a * a a a a }	Oe^ . FHÉÍ Oe^ . Fi ÉCG Oe^ . G-HÉÍ Oe^ . G É	FHÉÍ FÉÉÉ FÉÉÉ ÉÉÉÉ	Vaa ^ CEE
2	Óae^ &ae^KQ [] * . { [\ a . É	Gae Y @e d } ~ a . { [\ a * N	U{ [\ a * & . . a a }	Oe^ . FHÉÍ Oe^ . Fi ÉCG Oe^ . G-HÉÍ Oe^ . G ÉHG Oe^ . H-HÉÍ Oe^ . H É G Oe^ . HÉÍ Oe^ . É G Oe^ . HÉÍ Oe^ . É G Oe^ . HÉÍ Oe^ . É	b [~ a a * i ÉÉ J ÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ	Vaa ^ CEE . & } a a a . { d }
3	Óae^ &ae^KQ [] * { a . { [\ a . É	Hae Y @e d } - a a a . d . { [\ a * N	U^ a a . ^ ~ a d . { [\ a *	Oe^ . FHÉCG Oe^ . GÉ	b [a a . a ÉÉÉ	U& } a a a . { d }
4	Óae^ &ae^KQ [] * { a . { [\ a . É , @ a a a . a d . { [\ a * É	Iae Y @e d } ~ a . { [\ a * a a a N	U^ & a a ^ . { [\ a * & . . a a }		Vi a a a } } [c [a ^ a	
5	Ó [~ } a - a c a a KQ [] *] a . { } . , @ a { a a a } ^ c d a a & . a . a . a @ a a ^ & a É	Iae Y @e d } a . a a a a TUVU a @ & ~ } a - a c a a N	O a a a a } a a a a }	Oe^ . FHÉÍ Oe^ . Fi ÉCG Oe^ . G-HÉÍ Oe^ . G É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Vaa ^ CEE
6	Ó [~ } a - a c a a KQ [] *] a . { } . , @ a a a a . a { [\ a * a @ a a ^ & a É	Iae Y @e d } a . a a a a TUVU a @ & ~ } a - a c a a N	O a a a a } a a a a }	Oe^ . FHÉÍ Oe^ . Fi ÉCG Oe^ . G-HÉÍ Oe^ . G É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Vaa ^ CEE
7	Ó [~ } a - a c a a KQ [] *] a . { } . , @ a a a a a d a a & ~ . ^ , a @ @ TUVU a @] a a ~ . a a & a a * É	Ia Y @e d } . , a & @ d . { [\ a * N	O a a , a a ^ ^ & c D O a a a . { [\ a * a [] * } ^ , TUVU ~ . a . É ^ c a a ^ & a a * É	Oe^ . FHÉÍ Oe^ . Fi ÉCG Oe^ . G-HÉÍ Oe^ . G ÉHG Oe^ . HÉ	b [. , a & @ * i ÉÉÉÉ i ÉÉÉÉ i ÉÉÉÉ ÉÉÉÉ	U& } a a a . { d }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
	l & Y @e]![[[!d]} aãá•{ [\ã * É•æcá~ ã~•^N	Ö~ ã~•^	É•^• FHÉ É•^• Fì É	P[á~ ã~•^ ÉÉÉ	Ù&^} ãã æ• {]d}	
	l á Y @e]![[[!d]} ~ ãTÜVÜ~•^N	T ÜVÜ &^•ãã	É•^• FHÉ É•^• Fì É	P[&^•ãã ÉÉÉ	Ù&^} ãã æ• {]d}	
8	Ó[~} ã!-æcã ãKQ [] *]^!•[]• , @ ã ããã á ã ããã ~•^, ã@ @ T ÜVÜÉã } ã~^á T ÜVÜ~•^ ã á }^ã@!•, ãã@ á ã •{ [\ã * [] ~ ããã ã ããã ~•^	l á Y @e]![[[!d]} •, ãã@ã •{ [\ã *N	Öæ, æ ^-^&cD Ö\æ^á •{ [\ã * ã [] * & } ã ã T ÜVÜ~•^!Éã æ^ &æ*[]ã•	É•^• FHÉG É•^• GÉ	P[•, ãã@ã ÉÉÉ	Ù&^} ãã æ• {]d}
	l & Y @e]![[[!d]} aãá•{ [\ã * É•æcá~ ã~•^N	Ö~ ã~•^	É•^• FHÉG É•^• GÉ	P[á~ ã~•^ ÉÉÉ	Ù&^} ãã æ• {]d}	
	l á Y @e]![[[!d]} ~ ãTÜVÜ~•^N	T ÜVÜ &^•ãã	É•^• FHÉG É•^• GÉ	P[&^•ãã ÉÉÉ	Ù&^} ãã æ• {]d}	
9	Ó[~} ã!-æcã ãKQ [] *]^!•[]• , @ ã ããã á ã ããã ~•^, ã@ @ T ÜVÜ ã á ^ã} ãã •, ãã@ á ã •{ [\ã *	Já Y @e]![[[!d]} •, ãã@ãã ã T ÜVÜN	Ü^c } •{ [\ã * ã T ÜVÜ~•^	É•^• FHÉG É•^• GÉ	P[]^c } ÉÉÉ	Ù&^} ãã æ• {]d}
	J& Y @e]![[[!d]} ~ ããã ã ããã ~•^N	Ü{ [\ã * &^•ãã	É•^• FHÉG É•^• GÉ É•^• GÉ	P[~ ããã JÉÉ Fì ÉÉ	Vãã^ ÇÉ	
10	Ó[~} ã!-æcã ãKQ [] *]^!•[]• , @ ã ããã á ã ããã ~•^, ã@ @ T ÜVÜÉ^ã} ãã •, ãã@ á ã •{ [\ã * ã á •^•^ã} ã •, ãã@ á ããã ã @ T ÜVÜÉ	Fæ Y @e]![[[!d]} ~ ããã ã ããã ~•^N	T ÜVÜ &^•ãã	V[ã •ãã } }[c{ [á^á		
11	Ó[~} ã!-æcã ãKQ [] *]^!•[]• , @ ã ããã á ã ããã ~•^, ã@ @ T ÜVÜ ã á ^ã} ãã aãá •{ [\ã * É•æcá á ã~•^É	FFæ Y @e]![[[!d]} ~ ããã ã ããã ~•^N	Ö^•ãã } Éã ã ããã	V[ã •ãã } }[c{ [á^á		
12	Ó[~} ã!-æcã ãKQ [] *]^!•[]• , @ ã ããã á ã ããã ~•^, ã@ @ T ÜVÜ á ^ã} ãã ~ ã T ÜVÜ~•^É	FGæ Y @e]![[[!d]}]^ã^ã ã ã T ÜVÜ~•^N	Ü^ãã^É~ ãã T ÜVÜ	V[ã •ãã } }[c{ [á^á		
13	Ó[~} ã!-æcã ãKQ [] *]^!•[]• , @ ã ããã á ã ããã ~•^, ã@ @ T ÜVÜÉ^ã} ãã ~ ã	Fæ Y @e]![[[!d]} ~ ãTÜVÜ~•^N	T ÜVÜ &^•ãã	V[ã •ãã } }[c{ [á^á		

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
18	<p>Ô[~ } c!-æ&c a#KQf [] *] ^!• [] • , @ ð ãææ^ à ð àæ&f ~ • ^ , ã@ • { [\ ð * É^ç^ } ç æ • , ã&@ à ð T ÜVU ~ • ^ Éa ~ c ~ à • ^ ~ ^ } ð • , ã&@ à àæ& ð • { [\ ð * É</p>	F æ Y @æ] : [[! : ð } ~ ãæ ð àæ&f ~ • ^ Ñ	Ü{ [\ ð * & ^ • • æ& }	V æ • ã& } } [c [â^ ^ â	

Vaa| ^ C R E E ' G K U ^ . ^ a e & @ ~ ^ . d i } a s a & [| |] a a s * d a s . a a } | | [a a a a a a . - | | a e . ^ . a . a * o @ s ^ a y [|] ~ | a a } @ a e @ ^ - ^ & c [~ o @] i a s a ^ d a s . a a } . a a a a a a } a s a a a a a } d i . a a a a a * q a s a a a a a . a a } - | { ~ a a a * q a s a a o @ . ^ a & [a a s a ^ d a s . a a } . a a a a , a e ^ - ^ a & o a s a a a a . { ^ a . a { [\ a * d i & [a a a a E V @ ^ - ^ & c [~ a i e A ' a c '] } d . { [\ a * a s [] * a a e ^ a e a . { [\ a * ~ a a . , @ . , a a @ a d O a s a | U p W U ~ . ^ a a o @ & [~ } a i - a a c a s . & \ } a a a G e | a s . ^ a a a a a a a a a a a

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @ . c á ~ a a } É	Fæ Y @ [] [] [] a a a a . { [\ a * N	U { [\ a * a a a a }	<ul style="list-style-type: none"> Óæ . F H E I Óæ . F i E G Óæ . G H G Óæ . G É 	<ul style="list-style-type: none"> F H E I F e E E F E E e E E 	Vaa ^ C R E E
2	Óæ^ &æ^KQ [] * . { [\ a . É	Gæ Y @ [] [] [] ~ a . { [\ a * N	U { [\ a * & . . a a }	<ul style="list-style-type: none"> Óæ . F H E I Óæ . F i E G Óæ . G H G Óæ . G E G Óæ . H E I Óæ . H E G Óæ . I H I Óæ . I i E G Óæ . I H I Óæ . I i E G Óæ . I H I Óæ . I i E 	<ul style="list-style-type: none"> p [~ a a a * i E E J E E F H E 	Vaa ^ C R E E . & \ } a a a . { [] d }
3	Óæ^ &æ^KQ [] * { ^ a . { [\ a . É	Hæ Y @ [] [] [] - ^ a s . ^ d . { [\ a * N	U ^ a s . ^ ~ a d . { [\ a *	<ul style="list-style-type: none"> Óæ . F H E G Óæ . G E 	<ul style="list-style-type: none"> p [^ a s . ^ e E E 	U & \ } a a a . { [] d }
4	Óæ^ &æ^KQ [] * { ^ a . { [\ a . É , @ ^ a s . ^ a d . { [\ a * É	I æ Y @ [] [] [] ~ a . { [\ a * a a a N	U ^ & [] a a ^ . { [\ a * & . . a a }		<ul style="list-style-type: none"> V i a s . a a } [c [a ^ a 	
5	Ó [~ } a i - a a c a s K Q [] *] ^ . [] . , @ ^ { a a a a } ^ a a d a a a & [~ . a i . a a o @ a a e ^ a e	I æ Y @ [] [] [] a . a a a a T U V U a o @ & [~ } a i - a a c a s N	O a a a a } a s a a a }	<ul style="list-style-type: none"> Óæ . F H E I Óæ . F i E G Óæ . G H G Óæ . G É 	<ul style="list-style-type: none"> e E E e E E e E E e E E 	Vaa ^ C R E E
6	Ó [~ } a i - a a c a s K Q [] *] ^ . [] . , @ a a a a a . a { [\ a * a a o @ a a e ^ a e	I æ Y @ [] [] [] a . a a a a T U V U a o @ & [~ } a i - a a c a s N	O a a a a } a a a a a }	<ul style="list-style-type: none"> Óæ . F H E I Óæ . F i E G Óæ . G H G Óæ . G É 	<ul style="list-style-type: none"> e E E e E E e E E e E E 	U & \ } a a a . { [] d }
7	Ó [~ } a i - a a c a s K Q [] *] ^ . [] . , @ a a a a a d a a a & [~ . a , a o @ o @ T U V U a o @] a a ~ . a e ^ a e a * [i ^ É	I a Y @ [] [] [] . , a a @ d . { [\ a * N	O a a , a e ^ - ^ & c a s [] * } ^ , T U V U ~ . a i . E ^ a c a e ^ & a a * [i ^	<ul style="list-style-type: none"> Óæ . F H E I Óæ . F i E G Óæ . G H G Óæ . G E G Óæ . H E 	<ul style="list-style-type: none"> p [. , a a @ a * i e E E i e E E i e E E e E E 	U & \ } a a a . { [] d }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
<p>c@ T ÜVÜÉ^ç^} c' æj' ~ ~ æ T ÜVÜ ~ ^ à' c' ~ à' ^ ~ ^} d' ! ^ • æç à T ÜVÜ ~ ^ É</p>						
14	<p>Ó[~ } ç' - æç' æKQç [] *] ^ • [] • , @ ð ææç' à d' à æçç' ~ ^ , æ@ • { [\ ð * æ' à ç' } ç' ^ à • { [\ ð * ð c@ à æ ^ & æ ^ É</p>	Fl à	<p>Y @ç] ! [[] ç' } ð • ç' æç' • , æç@ç' T ÜVÜ ð c@ & ~ } ç' - æç' æç' N</p>	Ü, æç@ *	<p>ç' ^ • FHç'í ç' ^ • Fí ççG ç' ^ • Gççí ç' ^ • ç' ççG ç' ^ • Hççí ç' ^ • Hí ççG ç' ^ • í Hç'í ç' ^ • í í ççG ç' ^ • í Hç'í ç' ^ • í í ççG ç' ^ • í Hç'í ç' ^ • í í É</p>	<p>P[• , æç@ * í ççG í ççí í ççí Hççí çççU çççJ çççU çççG çççU çççU</p> <p>Væç ^ ççÉ • & } æç æ • { [] ç' }</p>
		Fl &	<p>Y @ç] ! [[] ç' } ð • ç' æç' æç' à T ÜVÜ ççÉ • æçç' à ç' ~ ^ D ð c@ & ~ } ç' - æç' æç' N</p>	Ö' ç' ~ ^	<p>ç' ^ • FHç'í ç' ^ • Fí É</p>	<p>P[á' ç' ~ ^ çççU</p> <p>Ü& } æç æ • { [] ç' }</p>
15	<p>Ó[~ } ç' - æç' æKQç [] *] ^ • [] • , @ ð ææç' à d' à æçç' ~ ^ , æ@ • { [\ ð * à' c' ~ æ • { [\ ð * ð c@ à æ ^ & æ ^ É</p>	Fl æ	<p>Y @ç] ! [[] ç' } • , æç@ç' T ÜVÜ ð c@ & ~ } ç' - æç' æç' ð • ç' æç' [~ ~ æçç' * N</p>	<p>Ö' çç' • ð } + [{ ~ ~ æçç' *</p>	<p>ç' ^ • FHç'í ç' ^ • Fí ççG ç' ^ • Gççí ç' ^ • ç' ççG ç' ^ • Hççí ç' ^ • Hí ççG ç' ^ • í Hç'í ç' ^ • í í ççG ç' ^ • í Hç'í ç' ^ • í í ççG ç' ^ • í Hç'í ç' ^ • í í É</p>	<p>P[• , æç@ * FFçç í çç Hçç çççí Hçç ççç ççç ççç ççç ççç ççç</p> <p>Væç ^ ççÉ • & } æç æ • { [] ç' }</p>
16	<p>Ó[~ } ç' - æç' æKQç [] *] ^ • [] • , @ ð ææç' à d' à æçç' ~ ^ , æ@ • { [\ ð * æ' à ^ ç' } c' æj' æç' à á T ÜVÜ ~ ^ ççÉ • æçç' à á ç' ~ ^ É</p>	Fl æ	<p>Y @ç] ! [[] ç' } ~ ~ æçç' d' à æçç' ~ ^ N</p>	<p>Ö' ^ • • æçç' } Éçç' d' à æçç'</p>	<p>Ví çç' • æçç' } } [c [á ^ á</p>	
17	<p>Ó[~ } ç' - æç' æKQç [] *] ^ • [] • , @ ð ææç' à d' à æçç' ~ ^ , æ@ • { [\ ð * æ' à ^ ç' } c' æj' • , æç@ç' d' T ÜVÜ ~ ^ É</p>	Fl à	<p>Y @ç] ! [[] ç' } • , æç@ç' • { [\ ð * N</p>	<p>Ü ^ çç' • ^ T ÜVÜ d' • { [\ ð *</p>	<p>ç' ^ • FHççG ç' ^ • GçÉ</p>	<p>P[í ^ çç' • ^ çççU</p> <p>Ü& } æç æ • { [] ç' }</p>

Vaa| ^ CEGE KÜ^•^æ&@~^•ç } æ å &| |••| | } åå * dæ•æ } | | àæåååå • | | å^ç| { åå * @ æ } å * | | åç| æååååå åå åå } È, æ&@ * ç|••• @ | | åå * dæ•æ } • æååååå } åå åååååå } È, æ&@ * çå åååååå } | | { ~ åå * çå åå @ •^æ } ååå * dæ•æ } ±æ, æ ^~^æ&ç|æ { åå åå

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @•ç å ~ æå } È	Fæ Y @æ } å ååååå • { \å * Ñ	Ü { \å * å ååååå }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• GÉ	FHEI FEIE FEIE EIE	Vaa ^ GE
2	Óæ^ &æ^KQ [] * • { \å • È	Gæ Y @æ } ~ å • { \å * Ñ	Ü { \å * &••åååå }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• GÉ	p [~ åååå * JIE JIE FI IE	Vaa ^ GE
3	Óæ^ &æ^KQ [] * { \å • È	Hæ Y @æ } - åå •^ ç • { \å * Ñ	Ü åå •^ ~ å ç • { \å *	Ç^• FHEG Ç^• GE	p [åå •^ EIE	Ü& } ååå æ • { }
4	Óæ^ &æ^KQ [] * { \å • È • { \å • È @ åå •^ å ç • { \å * È	Iæ Y @æ } ~ å • { \å * æååå Ñ	Ü & } å ç ^ • { \å * &••åååå }		Vi åå • ååå } c [å^åå	
5	Ó [~] ç -æç ååKQ [] * • • ç åååååå ^ç ç åå&ç • åå @ àæ^ &æ^ È	Iæ Y @æ } å • çåå åååååå TUVU åå @ & ç -æç åååå	Çåååååå } åå åååååå }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• GÉ	EIE EIE EIE EIE	Vaa ^ GE
6	Ó [~] ç -æç ååKQ [] * • • ç åååååå åå { \å * åå @ àæ^ &æ^ È	Iæ Y @æ } å • çåå åååååå TUVU åå @ & ç -æç åååå	Çç } åååååå åå åååååå }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• GÉ	EIE EIE EIE EIE	Ü& } ååå æ • { }
7	Ó [~] ç -æç ååKQ [] * • • ç åååååå åå àå&ç ~^•, åå@ @ TUVU åå @ çåå ~^• æ^ &æ^ È	I à Y @æ } •, æ&@ç • { \å * Ñ	Óæ, æ ^~^æ&c æ [] * ^, TUVU ~^• È ^ççæ^ &æ^	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• GÉ Ç^• HE	p [•, æ&@ * í EIE í EIE í EIE EIE	Ü& } ååå æ • { }
		I & Y @æ } ååå • { \å * çå È çåçååå ~^• ^Ñ	Ö çå ~^•	Ç^• FHEI Ç^• FI É	p [åå çå ~^• EIE	Ü& } ååå æ • { }
		I à Y @æ } ~ å TUVU ~^• ^Ñ	TUVU &••åååå }	Ç^• FHEI Ç^• FI É	p [&••åååå } EIE	Ü& } ååå æ • { }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
8	Ó[] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãæá ð àæ& [] ^•, ã@ @ T ÛVÚÉ [] ð ^á T ÛVÚ ^•^ æ á } ^ã@! •, ã&@á ð •{ [\ã*] [] ^• ãæ ð àæ& [] ^•^	Ìà Y @æ] [] [] [] [] [] •, ã&@ ð •{ [\ã* Ñ	Óæ^, æ ^-^&c æ [] * & [] ð ^ã* T ÛVÚ ^•^!•Éæ æ ^ &æ* [] ð•	Œ ^• FHÉGG Œ ^• GHÉ	P[•, ã&@* €€€	Ù& } æã æ• { [] []
	ì&	Y @æ] [] [] [] [] [] æá •{ [\ã* Ñ É•æçá^ æ ^•^ Ñ	Ö æ ^•^	Œ ^• FHÉGG Œ ^• GHÉ	P[á^ æ ^•^ €€€	Ù& } æã æ• { [] []
	Ìà	Y @æ] [] [] [] [] [] ^• ã T ÛVÚ ^•^ Ñ	T ÛVÚ &^••æã }	Œ ^• FHÉGG Œ ^• GHÉ	P[&^••æã } €€€	Ù& } æã æ• { [] []
9	Ó[] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãæá ð àæ& [] ^•, ã@ @ T ÛVÚ æ á ^ç } ç æ •, ã&@á ð •{ [\ã*	Jà Y @æ] [] [] [] [] [] •, ã&@áæí ð T ÛVÚ Ñ	Û^ç } •{ [\ã* ð T ÛVÚ ^•^	Œ ^• FHÉGG Œ ^• GHÉ	P[!^ç } €€€	Ù& } æã æ• { [] []
		J&	Y @æ] [] [] [] [] [] ^• ãæ ð àæ& [] ^•^ Ñ	Û([\ã* &^••æã }	Œ ^• FHÉGG Œ ^• GHÉ Œ ^• GÉ	P[^• ãæ* JÉ€ FI €€
10	Ó[] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãæá ð àæ& [] ^•, ã@ @ T ÛVÚÉ^ç } ç æ! •, ã&@á ð •{ [\ã* æ á •^•^•^ } ð •, ã&@á àæí ð @ T ÛVÚÉ	Fæ Y @æ] [] [] [] [] [] ^• ãæ ð àæ& [] ^•^ Ñ	T ÛVÚ &^••æã }		V(æ)•æã } } [c [á^á	
11	Ó[] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãæá ð àæ& [] ^•, ã@ @ T ÛVÚ æ á ^ç } ç æ! æá^á •{ [\ã* Ñ É•æçá á^ æ ^•^ Ñ	FFæ Y @æ] [] [] [] [] [] ^• ãæ ð àæ& [] ^•^ Ñ	Ó^••æã } Éæ ð àæ& []		V(æ)•æã } } [c [á^á	
12	Ó[] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãæá ð àæ& [] ^•, ã@ @ T ÛVÚ à^ç } ç æ! ^• ã T ÛVÚ ^•^É	FGæ Y @æ] [] [] [] [] [] !^æ•^ ð T ÛVÚ ^•^ Ñ	Û^æ•^É•^ æð T ÛVÚ		V(æ)•æã } } [c [á^á	
13	Ó[] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãæá ð àæ& [] ^•, ã@ @ T ÛVÚÉ^ç } ç æ! ^• ã T ÛVÚ ^•^ à^ç } ç æ! ^• ã !^æçá T ÛVÚ ^•^É	FHæ Y @æ] [] [] [] [] [] ^• ã T ÛVÚ ^•^ Ñ	T ÛVÚ &^••æã }		V(æ)•æã } } [c [á^á	
14	Ó[] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãæá ð àæ& [] ^•, ã@ •{ [\ã* æ á & [] ð ^á •{ [\ã* ã @ àæ^ &æ^É	Fl à Y @æ] [] [] [] [] [] ã•^æ•, ã&@ ð T ÛVÚ ã @ & [] ò!-æíç æ Ñ	Û, ã&@*	Œ ^• FHÉ Œ ^• FÉ	P[•, ã&@* Xæá á ð -ã á [] ð*] [] c	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
	F1 &	Y @e]![[! d] } ð•lææ æá T ÛVÚ ÉÈ•æcá~ æ~•^D Ö~ æ~•^ ð @ &~ }l-ææc æN	E^• FHEI E^• FI E	p[á~ æ~•^ €€€	Ú&} æð æ• { d }	
15	Ó[~ }l-ææc æKOE []*]^!•[]• , @ ð æææ á d àæ&~ ~•^, æ@ •{ [\ð* á c~ æ•{ [\ð* ð @ àæ^ &æ^É	F1 æ	Y @e]![[! d] •, æ&@ d T ÛVÚ ð @ &~ }l-ææc æ ð•lææ [~~ ææ* N	E^• FHEI E^• FI ECG E^• GHEG E^• GHEG E^• HHEI E^• HHEG E^• IHEI E^• IHEG E^• IHEI E^• IHEG E^• IHEI E^• IHEI	p[•, æ&@* GEE IE IE IE IE IE IE IE IE IE IE IE	Væ æ GEH
16	Ó[~ }l-ææc æKOE []*]^!•[]• , @ ð æææ á d àæ&~ ~•^, æ@ •{ [\ð* æ á ^c^ }c æ^ æááá T ÛVÚ ~•^ ÉÈ•æcá á æ ~•^É	F1 æ	Y @e]![[! d] } ~ ææ d àæ&~ ~•^N	E^••ææ } Éæ d àæ&~	V æ•ææ } }c{ [á^á	
17	Ó[~ }l-ææc æKOE []*]^!•[]• , @ ð æææ á d àæ&~ ~•^, æ@ •{ [\ð* æ á ^c^ }c æ^ •, æ&@ á d T ÛVÚ ~•^É	F1 à	Y @e]![[! d] •, æ&@ •{ [\ð* N	E^• FHEG E^• GE	p[æ~•^ €€€	Ú&} æð æ• { d }
		F1 &	Y @e]![[! d] } ~ ææ d àæ&~ ~•^N	E^• FHEG E^• GE	p[&••ææ } €€€	Ú&} æð æ• { d }
18	Ó[~ }l-ææc æKOE []*]^!•[]• , @ ð æææ á d àæ&~ ~•^, æ@ •{ [\ð* Éc^ }c æ^ •, æ&@ á d T ÛVÚ ~•^Éá c~ à•^~ }d •, æ&@ á àæ& d •{ [\ð* É	F1 æ	Y @e]![[! d] } ~ ææ d àæ&~ ~•^N	E^••ææ } E^••ææ }	V æ•ææ } }c{ [á^á	

Vaa| ^ CEGKÜ^•^æ&@~^•đ } æ á & | | ^• [] } áą * dą • ą } | | : à ą ą • { | æ • ^•• ą * @ ^ ę ^ & c á [] | ą } @ ą @ ^ ~ & c [~ @] | ą æ ^ à ^ ^ ą ą • ą } É ą } ą } ą } q

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
1	Óæ^ &æ^KQ @•c á][] ą } É	Fæ Y @ [] [] [] [] } ą ą • { [\ ą * N	Ü{ [\ ą * ą ą } Œ^• FHĒĪ Œ^• FĪ ĒGG Œ^• GHĒĪ Œ^• Ġ É	FHĒĪ FĒĒĒ FĒĒ ĒĒĒ	Vaa ^ GĒ
2	Óæ^ &æ^KQ [] * • { [\ ^!•É	Gæ Y @ [] [] [] [] } ~ ą • { [\ ą * N	Ü{ [\ ą * &^•• ą } Œ^• FHĒĪ Œ^• FĪ ĒGG Œ^• GHĒĪ Œ^• Ġ É	p [~ ą ą * JĒĒ JĒĒ FĪ ĒĒ	Vaa ^ GĒ
3	Óæ^ &æ^KQ [] * { (^! • { [\ ^!•É	Hæ Y @ [] [] [] [] } - ą • ^ đ • { [\ ą * N	Ü ą • ^ ~ ą đ • { [\ ą * Œ^• FHĒGG Œ^• GĒÉ	p [ą • ^ ĒĒĒ æ • { [] đ }	Ü& } ą ą æ • { [] đ }
4	Óæ^ &æ^KQ [] * { (^! • { [\ ^!•É @ ą • ^ á đ • { [\ ą * É	I æ Y @ [] [] [] [] } ~ ą • { [\ ą * ą ą N	Ü & } á đ ^ • { [\ ą * &^•• ą } Œ^• FHĒĪ Œ^• FĪ ĒGG Œ^• GHĒĪ Œ^• Ġ É	Vi ą • ą } } [c { á ^ á	
5	Ó [~] ą - ą c ą ą KQ [] *] ^!• [] • , @ ą ą ą á đ à ą & ~ ^• , ą @ • ^!• ą @ à æ^ &æ^É	I æ Y @ [] [] [] [] } ą • ą ą ą ą T Ü V Ü ą @ & ~] ą - ą c ą ą N	Œ á á ą } ą ą ą } Œ^• FHĒĪ Œ^• FĪ ĒGG Œ^• GHĒĪ Œ^• Ġ É	ĒĒĒ Ü& } ą ą ĒĒĒ æ • { [] đ }	
6	Ó [~] ą - ą c ą ą KQ [] *] ^!• [] • , @ ą ą ą á • { [\ ą * ą @ à æ^ &æ^É	I æ Y @ [] [] [] [] } ą • ą ą ą ą T Ü V Ü ą @ & ~] ą - ą c ą ą N	Œ () ą ą ą ą ą } Œ^• FHĒĪ Œ^• FĪ ĒGG Œ^• GHĒĪ Œ^• Ġ É	ĒĒĒ Vaa ^ GĒ ĒĒĒ ĒĒĒ ĒĒĒ	
7	Ó [~] ą - ą c ą ą KQ [] *] ^!• [] • , @ ą ą ą á đ à ą & ~ ^• , ą @ @ T Ü V Ü ą @] ^ ą ~ • ą ^ &æ^ [] É	I á Y @ [] [] [] [] } • , ą @ đ • { [\ ą * N	Œ ą ^ á • { [\ ą * ą [] * } ^ , T Ü V Ü ~ ^!• É] ^ c ą ^ &æ^ [] É	Œ^• FHĒĪ Œ^• FĪ É p [• , ą @ đ * ĒĒĒ Ü& } ą ą æ • { [] đ }	
		I & Y @ [] [] [] [] } ą á • { [\ ą * ą É • ą c á ~ ą • ^ N	Œ ~ ą • ^ Œ^• FHĒĪ Œ^• FĪ É	p [á ~ ą • ^ ĒĒĒ Ü& } ą ą æ • { [] đ }	
		I á Y @ [] [] [] [] } ~ ą T Ü V Ü ~ ^ N	T Ü V Ü &^•• ą } Œ^• FHĒĪ Œ^• FĪ É	p [&^•• ą } ĒĒĒ Ü& } ą ą æ • { [] đ }	
8	Ó [~] ą - ą c ą ą KQ [] *] ^!• [] • , @ ą ą ą á đ à ą & ~ ^• , ą @ @ T Ü V Ü É & ą ^ á T Ü V Ü ~ ^	I á Y @ [] [] [] [] } • , ą @ đ • { [\ ą * N	Œ ą ^ á • { [\ ą * ą [] * & ą } ą * Œ^• FHĒGG Œ^• GHÉ	p [• , ą @ đ * ĒĒĒ Ü& } ą ą æ • { [] đ }	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
15 Ô[~] 0!-æc' aKQ [] *] ^! • [] • , @ ð ãææ' á ð àæ& [] ~ ^, ã@ • { [\ ð * á ^ c ~ ã • { [\ ð * ð @ àæ ^ & æ ^ É	Fí æ	Y @æ] : [[] [ð] } •, ã&@ ð T ÛVÚ ð @ & [] } 0!-æc' æ ð ð • 0!æ [~ ~ ãæ * Ñ	0E ^ • F H E E I 0E ^ • F I É	P [•, ã&@ * E E	Ù&^} æ ð æ • { [] ð }
16 Ô[~] 0!-æc' aKQ [] *] ^! • [] • , @ ð ãææ' á ð àæ& [] ~ ^, ã@ • { [\ ð * æ á ^ c ^ } c æ ^ æ á ^ á T ÛVÚ ~ ^ É æ 0! á á æ ~ ^ É	Fí æ	Y @æ] : [[] [ð] } ~ ãæ ð ð àæ& [] ~ ^ Ñ	Ô^ • • æ ð } É æ ð ð àæ& []	V! æ • æ ð } } [c { [á ^ á	
17 Ô[~] 0!-æc' aKQ [] *] ^! • [] • , @ ð ãææ' á ð àæ& [] ~ ^, ã@ • { [\ ð * æ á ^ c ^ } c æ ^ •, ã&@ á ð T ÛVÚ ~ ^ É	Fí á	Y @æ] : [[] [ð] } •, ã&@ ð • { [\ ð * Ñ	Û^ æ ^ T ÛVÚ ð • { [\ ð *	V! æ • æ ð } } [c { [á ^ á	
	Fí &	Y @æ] : [[] [ð] } ~ ãæ ð ð àæ& [] ~ ^ Ñ	T ÛVÚ & ^ • • æ ð }	V! æ • æ ð } } [c { [á ^ á	
18 Ô[~] 0!-æc' aKQ [] *] ^! • [] • , @ ð ãææ' á ð àæ& [] ~ ^, ã@ • { [\ ð * É ^ c ^ } c æ ^ •, ã&@ á ð T ÛVÚ ~ ^ É á ^ c ~ á ^ ~ ^ } ð •, ã&@ á ð àæ& [] • { [\ ð * É	Fí æ	Y @æ] : [[] [ð] } ~ ãæ ð ð àæ& [] ~ ^ Ñ	Û { [\ ð * & ^ • • æ ð }	V! æ • æ ð } } [c { [á ^ á	

Vaa| ^ C E F E K U ^ . ^ a e & @ ~ ^ . d } a } a & | | ^ . [] } a a * d a } . a }] | : a a a a a . { | a e . ^ . . a * o @ ^ d ^ & c a } [] ~ | a } } @ a c @ ^ ~ ^ & c [~ o @] | a } a ^ a ^ . a a d a } . a } } E
 . , a e @ * q

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @ . c á] [] ~ a } } E	Fæ Y @e] [] [] [] } a } a a . { [\ a * N	Ü { [\ a * a } a a }	Ö . ^ . F H E I Ö . ^ . F i E G Ö . ^ . G H G Ö . ^ . G É	F H E I F E E E F E E E E E E E	Vaa ^ G E
2	Óæ^ &æ^KQ [] * . { [\ ^ . E	Gæ Y @e] [] [] [] } ~ a . { [\ a * N	Ü { [\ a * & ^ . . a }	Ö . ^ . F H E I Ö . ^ . F i E G Ö . ^ . G H G Ö . ^ . G É	b [~ a a } * J E E E J E E E F i E E	Vaa ^ G E
3	Óæ^ &æ^KQ [] * { ^ . . { [\ ^ . E	Hæ Y @e] [] [] [] } - ^ a } . ^ d . { [\ a * N	Ü a } . ^ ~ a d . { [\ a *	Ö . ^ . F H E G Ö . ^ . G E	b [^ a } . ^ E E E E	Ü & } a } a . { [] }
4	Óæ^ &æ^KQ [] * { ^ . . { [\ ^ . E , @ ^ a } . ^ a d . { [\ a * E	I æ Y @e] [] [] [] } ~ a . { [\ a * a a } N	Ü & } a d ^ . { [\ a * & ^ . . a }		V i a } . a } } [c [a ^ a	
5	Ó [~] e i - a e c a } K Q [] *] ^ . [] . , @ ^ { a } ^ a } ^ c ^ d a a & . ^ . a } o @ a a ^ & a ^ E	I æ Y @e] [] [] [] } a . e a a } a a T Ü V U a o & ~ } e i - a e c a } N	Ö a a a } a } a a }	Ö . ^ . F H E I Ö . ^ . F i E G Ö . ^ . G H G Ö . ^ . G É	E E E E E E E E E E E E E E E E	Ü & } a } a . { [] }
6	Ó [~] e i - a e c a } K Q [] *] ^ . [] . , @ a } a a ^ a . { [\ a * a o a a ^ & a ^ E	I æ Y @e] [] [] [] } a . e a a } a a T Ü V U a o & ~ } e i - a e c a } N	Ö e i } a a } a } a a }	Ö . ^ . F H E I Ö . ^ . F i E G Ö . ^ . G H G Ö . ^ . G É	E E E E E E E E E E E E E E E E	Ü & } a } a . { [] }
7	Ó [~] e i - a e c a } K Q [] *] ^ . [] . , @ a } a a ^ a d a a & ~ ^ . , a o o @ T Ü V U a o } ^ a } ~ a ^ & a * [] E	I a Y @e] [] [] [] } . , a e @ d . { [\ a * N	Ö a a , a e ^ ~ ^ & c d Ö a e ^ a . { [\ a * a }] * } ^ , T Ü V U ~ . ^ . E } ^ c a e ^ & a * [] ^		V i a } . a } } [c [a ^ a	
		I & Y @e] [] [] [] } a a a . { [\ a * a e e c a ~ a } . ^ d N	Ö ~ a } . ^		V i a } . a } } [c [a ^ a	
		I a Y @e] [] [] [] } ~ a T Ü V U ~ . ^ N	T Ü V U & ^ . . a }		V i a } . a } } [c [a ^ a	
8	Ó [~] e i - a e c a } K Q [] *] ^ . [] . , @ a } a a ^ a d a a & ~ ^ . , a o o @ T Ü V U E & a } ^ a T Ü V U ~ . ^	I a Y @e] [] [] [] } . , a e @ d . { [\ a * N	Ö a a , a e ^ ~ ^ & c d Ö a e ^ a . { [\ a * a }] * & a } a }		V i a } . a } } [c [a ^ a	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
			<p>CE^0.1HEI</p> <p>CE^0.1IE</p>	<p>GE</p> <p>FEE</p>		
	<p>FI & Y @e]![[[!d]} q•laxi xaa T UVU qE•E•ca~ q~•^D O~ q~•^</p> <p>q @ &~}l-axi qN</p>		<p>CE^0.FHEI</p> <p>CE^0.FIE</p>	<p>P[a~ q~•^</p> <p>€€€</p>	<p>U&} qq</p> <p>ae• {]d }</p>	
15	<p>O[~}l-axi qKQ []*]^•[]•</p> <p>, @ q qaa•a d àax&~•^, q@</p> <p>•{ [\q* a~c~••{ [\q* q @</p> <p>àae^ &ae^E</p>	<p>FI ae Y @e]![[[!d]} •, ax&@q T UVU q @ &~}l-axi q</p> <p>q•laxi [~~ qd* N</p>	<p>Oq••q} +[{</p> <p>~ qd*</p>	<p>CE^0.FHEI</p> <p>CE^0.FIE</p>	<p>P[•, ax&@*</p> <p>€€€</p>	<p>U&} qq</p> <p>ae• {]d }</p>
16	<p>O[~}l-axi qKQ []*]^•[]•</p> <p>, @ q qaa•a d àax&~•^, q@</p> <p>•{ [\q* q a^c^} c q~ xaa^a</p> <p>T UVU~•^ qE•E•ca~ a~ q</p> <p>~•^E</p>	<p>FI ae Y @e]![[[!d]} ~ qd q àax&~•^N</p>	<p>O•••ax&} Eaq</p> <p>d àax&</p>	<p>V{aq•ax&}</p> <p>} [c [a^a</p>		
17	<p>O[~}l-axi qKQ []*]^•[]•</p> <p>, @ q qaa•a d àax&~•^, q@</p> <p>•{ [\q* q a^c^} c q~</p> <p>•, ax&@a d T UVU~•^E</p>	<p>FI a Y @e]![[[!d]} •, ax&@q •{ [\q* N</p>	<p>U^ aq•^ T UVU d</p> <p>•{ [\q*</p>	<p>CE^0.FHEG</p> <p>CE^0.GE</p>	<p>P[!^ aq•^</p> <p>€€€</p>	<p>U&} qq</p> <p>ae• {]d }</p>
	<p>FI & Y @e]![[[!d]} ~ qd q àax&~•^N</p>	<p>T UVU &••ax&}</p>	<p>CE^0.FHEG</p> <p>CE^0.GE</p>	<p>P[&••ax&}</p> <p>€€€</p>	<p>U&} qq</p> <p>ae• {]d }</p>	
18	<p>O[~}l-axi qKQ []*]^•[]•</p> <p>, @ q qaa•a d àax&~•^, q@</p> <p>•{ [\q* E^c^} c q~ •, ax&@a d</p> <p>T UVU~•^Ea~c~à•^~•^}d</p> <p>•, ax&@a àax& d •{ [\q* E</p>	<p>FI ae Y @e]![[[!d]} ~ qd q àax&~•^N</p>	<p>U{ [\q* &••ax&}</p>	<p>V{aq•ax&}</p> <p>} [c [a^a</p>		

Vaa| ^ CEGKÜ^•^æ&@~^•đ } ð á & | | ^• [] } á ð * dæ • ãđ }] | [à æ ð ãđ • { | æ • ^•• ð * c@ ^đ ^&c á [] ~ | ãđ } @ ð c@ ^~ ^&c [~c@] | ð æ ^ @æ { ~ | dæ • ãđ } É ñ ð ^• ð } ÷ [{ ~ ãđ } * q

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
1	Óæ^ &æ^KQ @•c á^] [] ~ ãđ } É	Fæ Y @æ] [] [ð] } ð ãæ • { [\ ð * Ñ	Ü { [\ ð * ð ãæ } Ö^• FHÉÍ Ö^• FÍ EG Ö^• GHÉ Ö^• G É	FHÉÍ FÉÉÉ FÉÉÉ ÉÉÉÉ	Vaa ^ GÉ
2	Óæ^ &æ^KQ [] * • { [\ ^•É	Gæ Y @æ] [] [ð] } ~ ð • { [\ ð * Ñ	Ü { [\ ð * &^•• ãđ } Ö^• FHÉÍ Ö^• FÍ EG Ö^• GHÉ Ö^• G É	b [~ ð ð * JÉÉÉ JÉÉÉ FÍÉÉ	Vaa ^ GÉ
3	Óæ^ &æ^KQ [] * { ^• • { [\ ^•É	Hæ Y @æ] [] [ð] } - ^ ð • ^ ð • { [\ ð * Ñ	Ü ð • ^ ~ ð ð • { [\ ð * Ö^• FHÉG Ö^• GÉ	b [^ ð • ^ ÉÉÉÉ	Ü &) ð ð æ • { ð] }
4	Óæ^ &æ^KQ [] * { ^• • { [\ ^•É @ ^ ð • ^ ð • { [\ ð * É	Iæ Y @æ] [] [ð] } ~ ð • { [\ ð * ð ãæ Ñ	Ü & } á ð ^ • { [\ ð * &^•• ãđ } Ö^• FHÉÍ Ö^• FÍ EG Ö^• GHÉ Ö^• G É	V ð • ãđ } } [c [á ^ á	
5	Ó [~] ð - æ ð ð KQ [] *] ^• [] • , @ ^ ð ð á ^ ^ ç ^ ð á æ & ð • ^• ð c@ à æ ^ &æ ^ É	Iæ Y @æ] [] [ð] } ð • ð ð ð ð ð T Ü V Ü ð c@ & ~] ð - æ ð ð ð Ñ	Ö á á ð ð } ð ð ð ð ð Ö^• FHÉÍ Ö^• FÍ EG Ö^• GHÉ Ö^• G É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Ü &) ð ð æ • { ð] }
6	Ó [~] ð - æ ð ð KQ [] *] ^• [] • , @ ð ð ð á • { [\ ð * ð c@ à æ ^ &æ ^ É	Iæ Y @æ] [] [ð] } ð • ð ð ð ð ð T Ü V Ü ð c@ & ~] ð - æ ð ð ð Ñ	Ö [~] ð ð ð ð ð ð ð Ö^• FHÉÍ Ö^• FÍ EG Ö^• GHÉ Ö^• G É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Ü &) ð ð æ • { ð] }
7	Ó [~] ð - æ ð ð KQ [] *] ^• [] • , @ ð ð ð á ð á æ & ð ~ ^• , ð c@ c@ T Ü V Ü ð c@] ^ ð ~ ð ð &æ * [] É	I á Y @æ] [] [ð] } • , ð @ ð • { [\ ð * Ñ	Ö æ , æ ^ ~ ^ & c ð Ö ð ^ á • { [\ ð * ð [] * } ^ , T Ü V Ü ~ ^• É] ^ ç æ ^ &æ * [] Ö æ , æ ^ ~ ^ & c ð [] * } ^ , T Ü V Ü ~ ^• É] ^ ç æ ^ &æ * []	V ð • ãđ } } [c [á ^ á	
		I & Y @æ] [] [ð] } ð á • { [\ ð * Ö É • æ c á ð ð • ^ Ñ	Ö ð • ^	V ð • ãđ } } [c [á ^ á	
		I á Y @æ] [] [ð] } ~ ð T Ü V Ü ~ ^• Ñ	T Ü V Ü & ^•• ãđ }	V ð • ãđ } } [c [á ^ á	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
15	<p>Ó[~} ò!-æðç ãKQÉ [~}]^!•[~}• , @ ã ãæ^ à ð àæ&ð ~•^, ã@ •{ [\ã* à^c~ ã•{ [\ã* ã @ àæ^ &æ^É</p>	<p>Fí æ Y @æ]![[[!ð]} •, ã&@ð TUVU ã @ &~} ò!-æðç ã ã•òæ [~ ~ ãð*Ñ</p>	<p>Óã^!•ã } ~{ ~ ãð*</p>	<p>Q^• FHEÍ Q^• FÌÉGG Q^• GHEÍ Q^• GÌHG Q^• HHEÍ Q^• HÌEG Q^• IHÉÍ Q^• ÍÌEG Q^• ÍHÉÍ Q^• ÍÌEG Q^• ÍHÉÍ Q^• ÍÌÉ</p>	<p>P[•, ã&@* QÉÉ ÌÉ ÌÉ ÌÉ ÌÉ ÌÉ QÉ FÉ QÉ</p>	Væð^ GÉH
16	<p>Ó[~} ò!-æðç ãKQÉ [~}]^!•[~}• , @ ã ãæ^ à ð àæ&ð ~•^, ã@ •{ [\ã* ã à^ç^} ç æ^ ãæ^ à TUVU ~•^ QÉÉ-æðç à á ã ~•^É</p>	<p>Fí æ Y @æ]![[[!ð]} ~ ãæð ð àæ&ð ~•^Ñ</p>	<p>Ó^••æð } Éæð ð àæ&ð</p>	<p>Víæ•æð } }[c{ [á^á</p>		
17	<p>Ó[~} ò!-æðç ãKQÉ [~}]^!•[~}• , @ ã ãæ^ à ð àæ&ð ~•^, ã@ •{ [\ã* ã à^ç^} ç æ^ •, ã&@ à ð TUVU ~•^É</p>	<p>Fí à Y @æ]![[[!ð]} •, ã&@ð •{ [\ã*Ñ</p>	<p>Ú^!æ^•^ TUVU ð •{ [\ã*</p>	<p>Q^• FHEGG Q^• GHE</p>	<p>P[^!æ^•^ Ú& } æð ÉÉÉ æ•{ [!ð}</p>	
		<p>Fí & Y @æ]![[[!ð]} ~ ãæð ð àæ&ð ~•^Ñ</p>	<p>TUVU &^••æð }</p>	<p>Q^• FHEGG Q^• GHE</p>	<p>P[&^••æð } Ú& } æð ÉÉÉ æ•{ [!ð}</p>	
18	<p>Ó[~} ò!-æðç ãKQÉ [~}]^!•[~}• , @ ã ãæ^ à ð àæ&ð ~•^, ã@ •{ [\ã* É^ç^} ç æ^ •, ã&@ à ð TUVU ~•^Éá^c~ à^~^} ð •, ã&@ à àæ&ð ð •{ [\ã*É</p>	<p>Fí æ Y @æ]![[[!ð]} ~ ãæð ð àæ&ð ~•^Ñ</p>	<p>Ú{ [\ã* &^••æð }</p>	<p>Víæ•æð } }[c{ [á^á</p>		

Vaa| ^ CEGF GKÜ^•^æ&@~^•ü } æ å & ||^•[]] åå * dæ•ü }] | àæåååå • - | æ•^•å * c@ ^ø] ^&çå] [] |æå } @æø^~^&c[~c@] | å æ { ~ | dæ•ü } É
 åååå•å } - | { ~ üå * ç V@ ^~^&c[~æí ÉÁ |^ç | } ç • { [\ å * æ] * àæ^ &æ^ • { [\ å * ~ üå • , @ • , æ&çå ç Óæ | ÜPÜÜ~^• å c@ & } ç | æç æ • & } åå
 Ç | æ • ^ ø å å ç • ç æ å

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ c@ • ç å] [] æå } É	Fæ Y @æ] [] ç } å ååå • { [\ å * N	Ü{ [\ å * å ååå }	Ç^• FHEÍ Ç^• Fi EG Ç^• G-HG Ç^• G É	FHEÍ FÉÉÉ FÉÉÉ ÉÉÉÉ	Vaa ^ Ç
2	Óæ^ &æ^KQ [] * • { [\ ^•É	Gæ Y @æ] [] ç } ~ æ • { [\ å * N	Ü{ [\ å * &••æå }	Ç^• FHEÍ Ç^• Fi EG Ç^• G-HG Ç^• G H-G Ç^• H-HÍ Ç^• H H G Ç^• HÍ Ç^• H G Ç^• HÍ Ç^• H G Ç^• HÍ Ç^• H G Ç^• HÍ Ç^• É	P[~ üå * ÉÉ JÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ	Vaa ^ Ç É • & } åå æ • { } ç }
3	Óæ^ &æ^KQ [] * - ç ^ • { [\ ^•É	Hæ Y @æ] [] ç } - ç • ^ ç • { [\ å * N	Ü^ ç • ^ ~ ç ç • { [\ å *	Ç^• FHEGG Ç^• GÉ	P[ç • ^ ÉÉÉÉ	Ü& } åå æ • { } ç }
4	Óæ^ &æ^KQ [] * - ç ^ • { [\ ^•É, @ ç • ^ ç • { [\ å * É	Iæ Y @æ] [] ç } ~ æ • { [\ å * æ åå N	Ü^ & } å ç ^ • { [\ å * &••æå }		Viæ • åå }] [ç [å^å	
5	Ó[~ } ç æç æåKQ [] *] ^ • [] • • @ ç { æå å } ^ ç ç àæ&ç • ^ • å c@ àæ^ &æ^É	Iæ Y @æ] [] ç } å • ç åå å ååå T ÜVÜ å c@ & ~ } ç æç æ N	Üåååå } æ å åååå }	Ç^• FHEÍ Ç^• Fi EG Ç^• G-HG Ç^• G É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Ü& } åå æ • { } ç }
6	Ó[~ } ç æç æåKQ [] *] ^ • [] • • @ å åååå • { [\ å * å c@ àæ^ &æ^É	Iæ Y @æ] [] ç } å • ç åå å ååå T ÜVÜ å c@ & ~ } ç æç æ N	Üç ç } æå å å åååå }	Ç^• FHEÍ Ç^• Fi EG Ç^• G-HG Ç^• G É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Ü& } åå æ • { } ç }
7	Ó[~ } ç æç æåKQ [] *] ^ • [] • • @ å åååå å ç àæ&ç ~ ^ • , æ@ c@ T ÜVÜ å c@] ç ç ~ • æ ^ &æ * ^ É	Ià Y @æ] [] ç } • , æ&ç • { [\ å * N	Óæ , æ ^~^&c@ Ó^ æ å • { [\ å * æ [] * } ^ , T ÜVÜ ~ ^ • É] ^ ç ç æ ^ &æ * ^		Viæ • åå }] [ç [å^å	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
	í &	Y @e]![[[!d]} ããá •{ [\d* ÉÈ•æcã`æ`•^DÑ	Ö`æ`•^	V{æ•æ} }[c{ [â^â		
	ï á	Y @e]![[[!d]} ~`æTÜVÜ`•^Ñ	T ÜVÜ &^••æ	V{æ•æ} }[c{ [â^â		
8	Ó[~} ò!-æc`æKQ []*]^!•{ }• , @ ð ããã`á d àæ&[~`•^, æ@ c@ T ÜVÜÉ& } ð`^â T ÜVÜ`•^æ ð á }^æ@!•, æ&@á d •{ [\d* }[!~`ææ d àæ&[~`•^	í á	Y @e]![[[!d]} •, æ&@d •{ [\d*Ñ	Öæ, æ ^-^&cD Ö\æ^â •{ [\d* æ []* & } ð`ð` T ÜVÜ`•^!•Éæ æ^ &æ*[!â• Ö`æ`•^	V{æ•æ} }[c{ [â^â	
	ì &	Y @e]![[[!d]} ããá •{ [\d* ÉÈ•æcã`æ`•^DÑ	Ö`æ`•^	V{æ•æ} }[c{ [â^â		
	ï á	Y @e]![[[!d]} ~`æTÜVÜ`•^Ñ	T ÜVÜ &^••æ	V{æ•æ} }[c{ [â^â		
9	Ó[~} ò!-æc`æKQ []*]^!•{ }• , @ ð ããã`á d àæ&[~`•^, æ@ c@ T ÜVÜ æ á ^ç^}c`æ , æ&@á d •{ [\d*	Já	Y @e]![[[!d]} •, æ&@àæ& d T ÜVÜÑ	Ü`ç!} •{ [\d* d T ÜVÜ`•^	V{æ•æ} }[c{ [â^â	
	J&	Y @e]![[[!d]} ~`ææ d àæ&[~`•^Ñ	Ü{ [\d* &^••æ	V{æ•æ} }[c{ [â^â		
10	Ó[~} ò!-æc`æKQ []*]^!•{ }• , @ ð ããã`á d àæ&[~`•^, æ@ c@ T ÜVÜÉ^ç^}c`æ , æ&@á d •{ [\d* æ á •`à^`^}d , æ&@á àæ& d c@ T ÜVÜÉ	Fæ	Y @e]![[[!d]} ~`ææ d àæ&[~`•^Ñ	T ÜVÜ &^••æ	V{æ•æ} }[c{ [â^â	
11	Ó[~} ò!-æc`æKQ []*]^!•{ }• , @ ð ããã`á d àæ&[~`•^, æ@ c@ T ÜVÜ æ á ^ç^}c`æ ããá^â •{ [\d* ÉÈ•æc`á á`æ`•^É	FFæ	Y @e]![[[!d]} ~`ææ d àæ&[~`•^Ñ	Ö^••æ }Éæ d àæ&[V{æ•æ} }[c{ [â^â	
12	Ó[~} ò!-æc`æKQ []*]^!•{ }• , @ ð ããã`á d àæ&[~`•^, æ@ c@ T ÜVÜ à`c^ç^}c`æ ~`æ T ÜVÜ`•^É	FGæ	Y @e]![[[!d]} !^æ`•^ d T ÜVÜ`•^Ñ	Ü\æ`•^É`æ d T ÜVÜ	V{æ•æ} }[c{ [â^â	
13	Ó[~} ò!-æc`æKQ []*]^!•{ }• , @ ð ããã`á d àæ&[~`•^, æ@ c@ T ÜVÜÉ^ç^}c`æ ~`æ T ÜVÜ`•^ à`c`•`à^`^}d !^•æc`á T ÜVÜ`•^É	FHæ	Y @e]![[[!d]} ~`æTÜVÜ`•^Ñ	T ÜVÜ &^••æ	V{æ•æ} }[c{ [â^â	

Vaa| ^ CEGFHKÜ^•^æ&@~^•ç} æ å & |{^•}[]] åä * dæ • ää }] |{ àæä ää • { | æ • ^ • • ä * @ ^ ç ^ & ç å } [] ~ | ää } @ æ ç ^ ^ & ç [~ ç] | ä æ ^ @ { ~ | d æ • ää } É

æä ää } æ ä ää } É & { àä ^ å , æ ç @ • ^ & } å æ ^ @ { ~ | d æ • ää } É æ æ , æ ^ ^ & ç

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @ • ç å] [] ~ ää } É	Fæ Y @æ] [] [ç } ä ää • { \ ä * Ñ	Ü { \ ä * ä äää }	Ç^• FHÉÍ Ç^• FÍ ÈÇG Ç^• GHÉÇ Ç^• GÍ É	FHÉÍ FÉÉÉ FÉÉÉ ÉÉÉÉ	Vaa ^ ÇÉ
2	Óæ^ &æ^KQÉ [] * • { \ ^! • É	Gæ Y @æ] [] [ç } ~ ä • { \ ä * Ñ	Ü { \ ä * & ^ • • äää }	Ç^• FHÉÍ Ç^• FÍ ÈÇG Ç^• GHÉÇ Ç^• GÍ É	Þ [~ ää * JÉÉÉ JÉÉÉ FÍ ÉÉÉ	Vaa ^ ÇÉ
3	Óæ^ &æ^KQÉ [] * { { ^! • { \ ^! • É	Hæ Y @æ] [] [ç } - ^ æ • ^ ç • { \ ä * Ñ	Ü æ • ^ ~ ä ç • { \ ä *	Ç^• FHÉÇG Ç^• GÉ	Þ [^ æ • ^ ÉÉÉÉ	Ü& } æä æ • { ç }
4	Óæ^ &æ^KQÉ [] * { { ^! • { \ ^! • É, @ ^ æ • ^ ç • { \ ä * É	Iæ Y @æ] [] [ç } ~ ä • { \ ä * æ ää Ñ	Ü & } å ç ^ • { \ ä * & ^ • • äää }		V æ • äää } } [ç [å ^ å	
5	Ó [~] ç - æ ç æä KQÉ [] *] ^! • [] • , @ ^ æä ^ å ^ ç ^ ç à æ & ç • ^! • ä ç @ à æ ^ & æ ^ É	Iæ Y @æ] [] [ç } ä • ç æ ä ä äää T Ü V Ü ä ç @ & ~] ç - æ ç æä Ñ	Ç å ä äää } æ ä ääää }	Ç^• FHÉÍ Ç^• FÍ ÈÇG Ç^• GHÉÇ Ç^• GÍ É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Vaa ^ ÇÇ
6	Ó [~] ç - æ ç æä KQÉ [] *] ^! • [] • , @ ä äää ^ å • { \ ä * ä ç @ à æ ^ & æ ^ É	Iæ Y @æ] [] [ç } ä • ç æ ä ä äää T Ü V Ü ä ç @ & ~] ç - æ ç æä Ñ	Ç ç } æä ^ ä ääää }	Ç^• FHÉÍ Ç^• FÍ ÈÇG Ç^• GHÉÇ Ç^• GÍ É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Ü& } æä æ • { ç }
7	Ó [~] ç - æ ç æä KQÉ [] *] ^! • [] • , @ ä äää ^ å ç à æ & ç ~ ^ , æ ç ç T Ü V Ü ä ç @ ^ ç ä ~ • æ ^ & æ ^ ^ É	I à Y @æ] [] [ç } • , æ & ç • { \ ä * Ñ	Óæ^ , æ ^ ^ & ç æ [] * } ^ , T Ü V Ü ~ ^! • É ^ ç æ ^ & æ ^ ^	Ç^• FHÉÍ Ç^• FÍ ÈÇG Ç^• GHÉÇ Ç^• GÍ ÈÇG Ç^• HÉ	Þ [• , æ & ç * Í ÉÉÉÉ Í ÉÉÉÉ Í ÉÉÉÉ ÉÉÉÉ	Ü& } æä æ • { ç }
		I & Y @æ] [] [ç } æä • { \ ä * Ç É É æ ç å ~ æ ~ ^ Ñ	Ö ~ æ ~ ^	Ç^• FHÉÍ Ç^• FÍ É	Þ [å ~ æ ~ ^ ÉÉÉÉ	Ü& } æä æ • { ç }
		I à Y @æ] [] [ç } ~ ä T Ü V Ü ~ ^ Ñ	T Ü V Ü & ^ • • äää }	Ç^• FHÉÍ Ç^• FÍ É	Þ [& ^ • • äää } ÉÉÉÉ	Ü& } æä æ • { ç }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
	F1 &	Y @& : [] [] } ð•↑ T ÛVÙ ↑ É•↑ cã` ã`•^D Õ` ã`•^	É•^• F-ÉÉ É•^• FÌ É	P[ã` ã`•^ ÉÉÉ	Ù&^} ã` ã` •• { [] }
15	F1 æ	Y @& : [] [] } •, ã&@↑ T ÛVÙ ð @ ↑ }↑ ã↑ ã`	É•^• F-ÉÉ É•^• FÌ É	P[•, ã&@↑ ÉÉ	Ù&^} ã` ã` •• { [] }
16	F1 æ	Y @& : [] [] } ~` ã& ð à↑ ~•^Ñ		V{ ã• ã` } }[c{ [â^ ^â	
17	F1 à	Y @& : [] [] } •, ã&@↑ •{ [\ ð * Ñ		V{ ã• ã` } }[c{ [â^ ^â	
	F1 &	Y @& : [] [] } ~` ã& ð à↑ ~•^Ñ		V{ ã• ã` } }[c{ [â^ ^â	
18	F1 æ	Y @& : [] [] } ~` ã& ð à↑ ~•^Ñ		V{ ã• ã` } }[c{ [â^ ^â	

Vaa| ^ CEGFI KÜ^•^æ&@~^•ç} æ å & |!^•|[]] ää * dæ • ää }]| àæä ää • |! æ•^••ä * @ ^ç] ^&ç å []] | ää } @ æç ^~^&c [~ç] | ä æ ^ à ^ ^ ää dæ • ää } È æç |! ää ^ ä ää ää } È & { àä ^ à , äçç • ^ & } åæ ~| çä • ää } È ä ^ æ ^ à • { [\ ä * ç

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @ • ç å []~ ää } È	Fæ Y @ç ![] ç] ä ää • { [\ ä * Ñ	Ü{ [\ ä * ä ää }	Ç^• FHÉÍ Ç^• FÍ ÈÇ Ç^• G-HÇ Ç^• G É	FHÉÍ FÉÈÈ FÉÈÈ ÈÈÈÈ	Vaa ^ ÇÈ
2	Óæ^ &æ^KQÈ [] * • { [\ ! • È	Gæ Y @ç ![] ç] ~ ä • { [\ ä * Ñ	Ü{ [\ ä * &^•• ää }	Ç^• FHÉÍ Ç^• FÍ ÈÇ Ç^• G-HÇ Ç^• G É	Þ[~ ää * JÈÈÈ JÈÈÈ FÍ ÈÈÈ	Vaa ^ ÇÈ
3	Óæ^ &æ^KQÈ [] * { ! ^ • { [\ ! • È	Hæ Y @ç ![] ç] -! æ • ^ ç • { [\ ä * Ñ	Ü æ • ^ ~ ä ç • { [\ ä *	Ç^• FHÈÇ Ç^• GÈÈ	Þ[! æ • ^ ÈÈÈÈ	Ü& } ää æ • { ç]
4	Óæ^ &æ^KQÈ [] * { ! ^ • { [\ ! • È @ ! æ • ^ ç • { [\ ä * È	I æ Y @ç ![] ç] ~ ä • { [\ ä * æ ää Ñ	Ü & } ä ç ^ • { [\ ä * &^•• ää }		V æ • ää } } [ç [ä ^ à	
5	Ó [~] ç æ ç ää KQÈ [] *] ! • [] • , @ ! ^ ää ^ à ç ^ ç ä ä ä • ^ • ä ç @ àæ^ &æ^ È	I æ Y @ç ![] ç] ä • ç ää ä ää T ÜVÜ ä ç & ~] ç æ ç ää Ñ	Ç ä ää } ä ä ää }	Ç^• FHÉÍ Ç^• FÍ ÈÇ Ç^• G-HÇ Ç^• G É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Ü& } ää æ • { ç]
6	Ó [~] ç æ ç ää KQÈ [] *] ! • [] • , @ ä ää ^ à • { [\ ä * ä ç àæ^ &æ^ È	I æ Y @ç ![] ç] ä • ç ää ä ää T ÜVÜ ä ç & ~] ç æ ç ää Ñ	Ç ç ! ää ^ ä ää }	Ç^• FHÉÍ Ç^• FÍ ÈÇ Ç^• G-HÇ Ç^• G É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Ü& } ää æ • { ç]
7	Ó [~] ç æ ç ää KQÈ [] *] ! • [] • , @ ä ää ^ à ç ä ä ä ~ ^ • , ä ç ç T ÜVÜ ä ç ^ ç ~ • æ ^ &æ^ [! È	I à Y @ç ![] ç] • , ä ç @ ç • { [\ ä * Ñ	Ö æ ^ à • { [\ ä * æ [] * } ^ , T ÜVÜ ~ ^ • È] ^ ç æ ^ &æ^ [! È	Ç^• FHÉÍ Ç^• FÍ ÈÇ Ç^• G-HÇ Ç^• G ÈG Ç^• HÈÈ	Þ[• , ä ç @ * Í ÈÈÈÈ Í ÈÈÈÈ Í ÈÈÈÈ ÈÈÈÈ	Ü& } ää æ • { ç]
		I & Y @ç ![] ç] ää • { [\ ä * Ç È È ç ä ~ æ ~ ^ Ñ	Ö ~ æ ~ ^	Ç^• FHÉÍ Ç^• FÍ ÈÈÈ	Þ[ä ~ æ ~ ^ ÈÈÈÈ	Ü& } ää æ • { ç]
		I à Y @ç ![] ç] ~ ä T ÜVÜ ~ ^ Ñ	T ÜVÜ & ^ • • ää }	Ç^• FHÉÍ Ç^• FÍ ÈÈÈ	Þ[& ^ • • ää } ÈÈÈÈ	Ü& } ää æ • { ç]

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
8	l à	Y @e)![[! q]} •, ã&@q •{ [\ã*Ñ	Ö\æ^à •{ [\ã* æ [!]* &} ã~ã* T ÛVÛ~•^!•Éæ æ^ &æ* [!ã•	œ^• FHÉGG œ^• GHÉ	p[•, ã&@* €€€	Ù&^} æã æ• { q}
	i &	Y @e)![[! q]} æãã •{ [\ã* ÑÉ•æcã~ æ~•^DÑ	Ö~æ~•^	œ^• FHÉGG œ^• GHÉ	p[à~ æ~•^ €€€	Ù&^} æã æ• { q}
	l à	Y @e)![[! q]} ~ãTÛVÛ~•^Ñ	T ÛVÛ &^••æã}	œ^• FHÉGG œ^• GHÉ	p[&^••æã} €€€	Ù&^} æã æ• { q}
9	Jà	Y @e)![[! q]} •, ã&@àæã q TÛVÛÑ	Û^c!} •{ [\ã* q T ÛVÛ~•^	œ^• FHÉGG œ^• GHÉ	p[!^c!} €€€	Ù&^} æã æ• { q}
	J&	Y @e)![[! q]} ~ãæã q àæã& ~•^Ñ	Û{ [\ã* &^••æã}	œ^• FHÉGG œ^• GHÉ œ^• GÉ	p[~ãæã* JÉ€ FI €€	Væã^ ÇÉ
10	Fæ	Y @e)![[! q]} ~ãæã q àæã& ~•^Ñ	T ÛVÛ &^••æã}		V!æ•æã} } [c{ [ã^ã	
11	FFæ	Y @e)![[! q]} ~ãæã q àæã& ~•^Ñ	Ö^••æã} Éæ q àæã&		V!æ•æã} } [c{ [ã^ã	
12	FGæ	Y @e)![[! q]} !^æ~•^ q TÛVÛ~•^Ñ	Û^æ~•^É~ãq T ÛVÛ		V!æ•æã} } [c{ [ã^ã	
13	FHæ	Y @e)![[! q]} ~ãTÛVÛ~•^Ñ	T ÛVÛ &^••æã}		V!æ•æã} } [c{ [ã^ã	
14	Fl à	Y @e)![[! q]} ã•çæã •, ã&@q TÛVÛã @ &~} ç!-æã æÑ	Û, ã&@*	œ^• FHÉ œ^• FI É	p[•, ã&@* €€	Ù&^} æã æ• { q}

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
	Fl &	Y @e}:[][d]} ð•lææ æá T ÛVÚ GÆÉ•æcá~ æ~•^D Ö~ æ~•^	CE^• FHÆI CE^• FÌ É	P[á~ æ~•^ €€€	U&^} æð æ• { d]}	
15	Ó[~} l~ææc æKQÆ []*]^• []• , @ ð ãææ^á d àææ&~•^, æ@ •{ [\ð* á^c~ æ•{ [\ð* ð c@ àæ^ &æ^É	Fí æ Y @e}:[][d]} •, æ&@d T ÛVÚ ð c@ &~} l~ææc æ ð•lææ [~~ æð*Ñ	Öæ^• ð } +[~ æð*	CE^• FHÆI CE^• FÌ É	P[•, æ&@* €€	U&^} æð æ• { d]}
16	Ó[~} l~ææc æKQÆ []*]^• []• , @ ð ãææ^á d àææ&~•^, æ@ •{ [\ð* æ á^c^} c æ^ æá^á T ÛVÚ~•^ GÆÉ•æcá á~ æ ~•^É	Fí æ Y @e}:[][d]} ~~ ææð d àææ&~•^Ñ	Ö^••ææ } Éæð d àææ&	V{æ•æð } }[c{ [á^á		
17	Fí à Y @e}:[][d]} •, æ&@d •{ [\ð*Ñ	Ü^ æ~•^ T ÛVÚ d •{ [\ð*		V{æ•æð } }[c{ [á^á		
	Fí & Y @e}:[][d]} ~~ ææð d àææ&~•^Ñ	T ÛVÚ &^••ææ }		V{æ•æð } }[c{ [á^á		
18	Ó[~} l~ææc æKQÆ []*]^• []• , @ ð ãææ^á d àææ&~•^, æ@ •{ [\ð* É^c^} c æ^ •, æ&@á d T ÛVÚ~•^Éá^c~ á^~•^} d •, æ&@á àææ d •{ [\ð* É	Fí æ Y @e}:[][d]} ~~ ææð d àææ&~•^Ñ	Ü{ [\ð* &^••ææ }	V{æ•æð } }[c{ [á^á		

Vaa| ^ CEGFI KÜ^•^æ&@~^•ç} æ å & ||^•[]] ää * dæ•ää }]| àæäãä • { | æ•^••ä * @ ^ç|^æçå []] |ää } @æç^~^&c[-ç] |ä æ^ æ{ ~|dæ•ää } È
 æ, æ&ç * ç& { àä^å, æçç•^æ} äæ^ æ{ ~|dæ•ää } È^•{ ^å•{ [\ä * ç

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @•ç å^]] ää } È	Fæ Y @æ] [] ç] ä äæ^•{ [\ä * Ñ	Ü{ [\ä * ä äæä }	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G É	FHEI FEIE FEIE EIE	Vaa ^ ÇE
2	Óæ^ &æ^KQ [] * •{ [\^!•È	Gæ Y @æ] [] ç] ~•æ•{ [\ä * Ñ	Ü{ [\ä * &^••æä }	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G É	b[~• ää * JIE JIE FI E	Vaa ^ ÇE
3	Óæ^ &æ^KQ [] * { ç ^! •{ [\^!•È	Hæ Y @æ] [] ç] - ^ æ^•^ ç •{ [\ä * Ñ	Ü ^ æ^•^ ~•æç •{ [\ä *	Ç^• FHECG Ç^• GE	b[^ æ^•^ EIE	Ü& æä æ•{ ç]
4	Óæ^ &æ^KQ [] * { ç ^! •{ [\^!•È @ ^ æ^•^ ç •{ [\ä * È	Iæ Y @æ] [] ç] ~•æ•{ [\ä * ææÑ	Ü^& ä ç ^ •{ [\ä * &^••æä }		Viæ•ää }] ç [ä^å	
5	Ó[~] ç!-æç äKQ [] *]^!•{ } • @ ç æ^å)^ç^! ç äæ&ç ~•^!• ä ç @ àæ^ &æ^È	Iæ Y @æ] [] ç] ä •çæ ä äæ^ TUVU ä ç &~] ç!-æç äÑ	Üä ää } ä ä äæä }	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G É	EIE EIE EIE EIE	Ü& æä æ•{ ç]
6	Ó[~] ç!-æç äKQ [] *]^!•{ } • @ ä äæ^å •{ [\ä * ä ç @ àæ^ &æ^È	Iæ Y @æ] [] ç] ä •çæ ä äæ^ TUVU ä ç &~] ç!-æç äÑ	Üç! äæ^ ä ä äæä }	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G É	EIE EIE EIE EIE	Ü& æä æ•{ ç]
7	Ó[~] ç!-æç äKQ [] *]^!•{ } • @ ä äæ^å ç àæ&ç ~•^, æç @ ç TUVU ä ç ç ç ~• æ^ &æ^ [] È	Ià Y @æ] [] ç] •, æ&ç •{ [\ä * Ñ	Üæ^, æ ^~^&cç Ü ^æ^å •{ [\ä * æ [] * } ^, TUVU ~•^!•È ^çç^ &æ^ []	Viæ•ää }] ç [ä^å		
		I& Y @æ] [] ç] äå •{ [\ä * ç È çæçå ~•^•^Ñ	Ü~ ç ~•^	Viæ•ää }] ç [ä^å		
		Iå Y @æ] [] ç] ~•æTUVU ~•^Ñ	TUVU &^••æä }	Viæ•ää }] ç [ä^å		
8	Ó[~] ç!-æç äKQ [] *]^!•{ } • @ ä äæ^å ç àæ&ç ~•^, æç @ ç TUVU È &ç ~•^å TUVU ~•^	Ià Y @æ] [] ç] •, æ&ç •{ [\ä * Ñ	Üæ^, æ ^~^&cç Ü ^æ^å •{ [\ä * æ [] * &ç } ç ~•^	Viæ•ää }] ç [ä^å		

Vaa| ^ CKEFI KÜ^•^æ&@~^•ç} æ å & |{^•}[] åä * dæ•ä } |{ àæää • { | à^ç|{ ä ä * @ æ } ä *][ä ç|æ^æ^ å ä ç , ä&@ * çç^•• æ ^çç^ { ^•&} æ ä { | @ } | ä æ^ @ { ~ | dæ•ä } Éæää } æ ä ää } ç

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @•ç å^][]^ æä }É	Fæ Y @æ]![] [ç] ä ää •{ [\ä *Ñ	Ü{ [\ä * ä ää }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• G É	FHEI FEIE FEIE EIE	Vaa ^ ÇE
2	Óæ^ &æ^KQ [] * •{ [\^!•É	Gæ Y @æ]![] [ç] ~ ä •{ [\ä *Ñ	Ü{ [\ä * &••ää }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• G É	p[~ ää * JIE JIE FI IE	Vaa ^ ÇE
3	Óæ^ &æ^KQ [] * { { ^! •{ [\^!•É	Hæ Y @æ]![] [ç] - ^ æ^•^ ç •{ [\ä *Ñ	Ü ^ æ^•^ ~ ä ç •{ [\ä *	Ç^• FHEG Ç^• GE	p[^ ^ æ^•^ EIE	Ü& } æä æ• { } ç
4	Óæ^ &æ^KQ [] * { { ^! •{ [\^!•É @ ^ æ^•^ ç •{ [\ä *É	Iæ Y @æ]![] [ç] ~ ä •{ [\ä * æää Ñ	Ü& } ä ç ^ •{ [\ä * &••ää }		Viæ •ää }][ç [^ ^!	
5	Ó[~] ç æç æKQ [] *]^!•[]• , @ ä ää^ å ç ^ç^ ç ää&ç •^!• ä ç @ àæ^ &æ^É	Iæ Y @æ]![] [ç] ä •çä ä ää T ÜVÜ ä ç & ~] ç æç æÑ	Çä ää } æ ä ää }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• G É	FHEI FEIE FEIE EIE	Vaa ^ ÇE
6	Ó[~] ç æç æKQ [] *]^!•[]• , @ ä ää^ å •{ [\ä * ä ç @ àæ^ &æ^É	Iæ Y @æ]![] [ç] ä •çä ä ää T ÜVÜ ä ç & ~] ç æç æÑ	Çç æç æ ä ää }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• G É	EIE EIE EIE EIE	Ü& } æä æ• { } ç
7	Ó[~] ç æç æKQ [] *]^!•[]• , @ ä ää^ å ç àä&ç ~^•, ä@ ç T ÜVÜ ä ç ^çä ~ æ^ &æ^ [] É	I à Y @æ]![] [ç] •, ä&@ç •{ [\ä *Ñ	Óæ^, æ ^-^&c æ [] * ^, T ÜVÜ ~^•^!•É]^çæ^ &æ^ []	Ç^• FHEI Ç^• FI É	p[•, ä&@ * EIE	Ü& } æä æ• { } ç
		I & Y @æ]![] [ç] ää •{ [\ä * ÇÉ•æçä^ æ~•^Ñ	Ö^ æ^•^	Ç^• FHEI Ç^• FI É	p[ä^ æ^•^ EIE	Ü& } æä æ• { } ç
		I à Y @æ]![] [ç] ~ ä T ÜVÜ ~^•^Ñ	T ÜVÜ &••ää }	Ç^• FHEI Ç^• FI É	p[&••ää } EIE	Ü& } æä æ• { } ç

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
8	Ó[~]ಲಿ-ಔಠ್ ಫKೠ [] *] ^!•[]• , @ ಫ ಔಠ್ ಾ ಧ àಔಠ್ ~•^, ಔ@ @ T ÛVÚÉಠ } ಧ ~^à T ÛVÚ ~•^ ಫ à } ^ಔ@!•, ಔ@ à ಧ • { [\ ಫ *] [~ ಔಠ್ ಧ àಔಠ್ ~•^	ì à Y @ಠ: [] [] [ಧ] •, ಔ@ಧ • { [\ ಫ * Ñ	Óಠ, ಫ ^-^&c ಫ [] * & } ಧ ~ ಫ * T ÛVÚ ~•^!•Éಠ ಫ ^ &ಠ * [! à•	ಠ^• FHÉG ಠ^• GHÉ	P[•, ಔ@ * €€€	Ù&} ಫಫ ಫ • { [ಧ]
	ì & Y @ಠ: [] [] [ಧ] ಠà • { [\ ಫ * ಠÉ•ಠಠà ಫ ~•^ Ñ	Ö ಫ ~•^	ಠ^• FHÉG ಠ^• GHÉ	P[à ಫ ~•^ €€€	Ù&} ಫಫ ಫ • { [ಧ]	
	ì à Y @ಠ: [] [] [ಧ] ~ ಔ T ÛVÚ ~•^ Ñ	T ÛVÚ &••ಠಠ }	ಠ^• FHÉG ಠ^• GHÉ	P[&••ಠಠ } €€€	Ù&} ಫಫ ಫ • { [ಧ]	
9	Ó[~]ಲಿ-ಔಠ್ ಫKೠ [] *] ^!•[]• , @ ಫ ಔಠ್ ಾ ಧ àಔಠ್ ~•^, ಔ@ @ T ÛVÚ ಫ à ^ಠ^} ಠಠ •, ಔ@ à ಧ • { [\ ಫ *	Jà Y @ಠ: [] [] [ಧ] •, ಔ@àಠಠ ಧ T ÛVÚ Ñ	Ù^ಠ } • { [\ ಫ * ಧ T ÛVÚ ~•^	V!ಫ •ಠಠ } } [c { [à^!à		
		J& Y @ಠ: [] [] [ಧ] ~ ಔಠ್ ಧ àಔಠ್ ~•^ Ñ	Ù { [\ ಫ * &••ಠಠ }	V!ಫ •ಠಠ } } [c { [à^!à		
10	Ó[~]ಲಿ-ಔಠ್ ಫKೠ [] *] ^!•[]• , @ ಫ ಔಠ್ ಾ ಧ àಔಠ್ ~•^, ಔ@ @ T ÛVÚÉ^ಠ^} ಠಠ •, ಔ@ à ಧ • { [\ ಫ * ಫ à • à•^~^} ಧ •, ಔ@ à àಠಠ ಧ @ T ÛVÚÉ	F€ಠ Y @ಠ: [] [] [ಧ] ~ ಔಠ್ ಧ àಔಠ್ ~•^ Ñ	T ÛVÚ &••ಠಠ }	V!ಫ •ಠಠ } } [c { [à^!à		
11	Ó[~]ಲಿ-ಔಠ್ ಫKೠ [] *] ^!•[]• , @ ಫ ಔಠ್ ಾ ಧ àಔಠ್ ~•^, ಔ@ @ T ÛVÚ ಫ à ^ಠ^} ಠಠ ಠà^à • { [\ ಫ * ಠÉ•ಠಠà à ಫ ~•^ Ñ	FFಠ Y @ಠ: [] [] [ಧ] ~ ಔಠ್ ಧ àಔಠ್ ~•^ Ñ	Ö••ಠಠ } Éಠ ಧ àಔಠ್	V!ಫ •ಠಠ } } [c { [à^!à		
12	Ó[~]ಲಿ-ಔಠ್ ಫKೠ [] *] ^!•[]• , @ ಫ ಔಠ್ ಾ ಧ àಔಠ್ ~•^, ಔ@ @ T ÛVÚ à~ c^ಠ^} ಠಠ ~ ಔ T ÛVÚ ~•^É	FGಠ Y @ಠ: [] [] [ಧ] !^ಫ •^ ಧ T ÛVÚ ~•^ Ñ	Ù^!ಫ •^É ~ ಠಧ T ÛVÚ	V!ಫ •ಠಠ } } [c { [à^!à		
13	Ó[~]ಲಿ-ಔಠ್ ಫKೠ [] *] ^!•[]• , @ ಫ ಔಠ್ ಾ ಧ àಔಠ್ ~•^, ಔ@ @ T ÛVÚÉ^ಠ^} ಠಠ ~ ಔ T ÛVÚ ~•^ à~ c~ à•^~^} ಧ !^ಠಠà T ÛVÚ ~•^É	FHಠ Y @ಠ: [] [] [ಧ] ~ ಔ T ÛVÚ ~•^ Ñ	T ÛVÚ &••ಠಠ }	V!ಫ •ಠಠ } } [c { [à^!à		
14	Ó[~]ಲಿ-ಔಠ್ ಫKೠ [] *] ^!•[]• , @ ಫ ಔಠ್ ಾ ಧ àಔಠ್ ~•^, ಔ@	Fl à Y @ಠ: [] [] [ಧ] ಫ •ಲಠ •, ಔ@ಧ T ÛVÚ ಫ @ & ~ } ಲಿ-ಔಠ್ ಫ Ñ	Ù, ಔ@ *	ಠ^• FHÉ	P[•, ಔ@ *	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source		
•{ [\ā* ə à &] } ǎ ~ ^ à •{ [\ā* ə @ à ə ^ & ə ^ É			CE ^ • Fİ É	X ə ə à à ǎ ǎ à ǎ] ə *][ə c			
	Fİ &	Y @ @] ! [] [! ǎ] } ə • ǎ ə ə ə à T Ü V U ǎ É • ə c à ~ ə ~ • ^ D Ö ~ ə ~ • ^ ǎ @ & ~ } ǎ - ə ə c ə Ñ	CE ^ • Fİ É CE ^ • Fİ É	ǎ [à ~ ə ~ • ^ É É É ə • {] ǎ }	Ù & } ə ə ə • {] ǎ }		
15	Ó [~ } ǎ - ə ə c ə ǎ K O É [] *] ^ • [] • , @ ə ə ə ə à ǎ ǎ ə ə ǎ ~ ^ • , ə @ •{ [\ā* ə c ~ ~ • { [\ā* ə @ à ə ^ & ə ^ É	Fİ ə	Y @ @] ! [] [! ǎ] • , ə & @ ǎ T Ü V U ǎ @ & ~ } ǎ - ə ə c ə ǎ • ǎ ə [~ ~ ə ə * Ñ	Ö ə • ǎ } + { ~ ~ ə *	CE ^ • Fİ É CE ^ • Fİ É	ǎ [• , ə & @ * É É ə • {] ǎ }	Ù & } ə ə ə • {] ǎ }
16	Ó [~ } ǎ - ə ə c ə ǎ K O É [] *] ^ • [] • , @ ə ə ə ə à ǎ ǎ ə ə ǎ ~ ^ • , ə @ •{ [\ā* ə à ^ c ^ } c ə ~ ə ə à ^ à T Ü V U ~ ^ É • ə c à à ~ ə ~ ^ É	Fİ ə	Y @ @] ! [] [! ǎ] ~ ~ ə ə ǎ ǎ à ə ə ǎ ~ ^ Ñ	Ö • • ə ə } É ə ǎ à ə ə ǎ		V i ə • ə ə } } [c [à ^ à	
17	Ó [~ } ǎ - ə ə c ə ǎ K O É [] *] ^ • [] • , @ ə ə ə ə à ǎ ǎ ə ə ǎ ~ ^ • , ə @ •{ [\ā* ə à ^ c ^ } c ə ~ , ə & @ à ǎ T Ü V U ~ ^ É	Fİ à	Y @ @] ! [] [! ǎ] • , ə & @ ǎ • { [\ā* Ñ	Ü ^ ə • ^ T Ü V U ǎ • { [\ā*	CE ^ • Fİ É G CE ^ • G É	ǎ [^ ə • ^ É É É ə • {] ǎ }	Ù & } ə ə ə • {] ǎ }
	Fİ &	Y @ @] ! [] [! ǎ] ~ ~ ə ə ǎ ǎ à ə ə ǎ ~ ^ Ñ		T Ü V U & ^ • • ə ə }	CE ^ • Fİ É G CE ^ • G É	ǎ [& ^ • • ə ə } É É É ə • {] ǎ }	Ù & } ə ə ə • {] ǎ }
18	Ó [~ } ǎ - ə ə c ə ǎ K O É [] *] ^ • [] • , @ ə ə ə ə à ǎ ǎ ə ə ǎ ~ ^ • , ə @ •{ [\ā* É c ^ } c ə ~ • , ə & @ à ǎ T Ü V U ~ ^ É à ~ c ~ à • ^ ~ ^ } ǎ • , ə & @ à à ə ǎ ǎ • { [\ā* É	Fİ ə	Y @ @] ! [] [! ǎ] ~ ~ ə ə ǎ ǎ à ə ə ǎ ~ ^ Ñ	Ü { [\ā* & ^ • • ə ə }		V i ə • ə ə } } [c [à ^ à	

Vaa| ^ CEGE| KÜ^•^æ&@~^•ç} æ å & | | ^• [] } åå * dæ•æ }] | àæåå • | à^ç | { åå * ç @ æ } å *] [åç | æ å å ç , æ&ç * çç^•• æ ^çç^ (^•&^) æå ç | ç | å æ @ { ~ | dæ•æ } Èæåå } æ å åå } ç& { åå^å , æ@ç •^& } åæ @ { ~ | dæ•æ } Èææ , æ ^-^&ç

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
1	Óæ^ &æ^KQ @ •ç å] ^æ } È	Fæ Y @ç ç } å åå • { \ å * Ñ	Ü { \ å * å åå } Ç^• FHEI Ç^• Fi ECG Ç^• GHEI Ç^• Gi É	FHEI FEIE FIEE EIEE	Vaa ^ ÇE
2	Óæ^ &æ^KQ [] * • { \ ^• È	Gæ Y @ç ç } ~ æ • { \ å * Ñ	Ü { \ å * &^••æ } Ç^• FHEI Ç^• Fi ECG Ç^• GHEI Ç^• Gi É	p [~ åå * JIEE JIEE FIIEE	Vaa ^ ÇE
3	Óæ^ &æ^KQ [] * ç { ^ • { \ ^• È	Hæ Y @ç ç } - ^ ç • ^ ç • { \ å * Ñ	Ü ^ ç • ^ ~ æ ç • { \ å * Ç^• FHEG Ç^• GE	p [^ ç • ^ EIEE	Ü& } æå æ • { ç }
4	Óæ^ &æ^KQ [] * ç { ^ • { \ ^• È , @ ^ ç • ^ ç • { \ å * È	Iæ Y @ç ç } ~ æ • { \ å * æ åå Ñ	Ü & } å ç ^ • { \ å * &^••æ } Ç^• FHEI Ç^• Fi ECG Ç^• GHEI Ç^• Gi É	Viæ • åå }] [ç [å^å	
5	Ó [~] ç æç æKQ [] *] ^• [] • ç @ ^ ç åå^å ^ç^ ç åå&ç • ^• å ç @ àæ^ &æ^È	Iæ Y @ç ç } å • ç åå å åå TUVU å ç @ & ~] ç æç æÑ	Çååå } æ å åå } Ç^• FHEI Ç^• Fi ECG Ç^• GHEI Ç^• Gi É	HIEE HIEE HIEE EIEE	Vaa ^ ÇE •& } æå æ • { ç }
6	Ó [~] ç æç æKQ [] *] ^• [] • ç @ å åå^å • { \ å * å ç @ àæ^ &æ^È	Iæ Y @ç ç } å • ç åå å åå TUVU å ç @ & ~] ç æç æÑ	Çç ^ æå^ å åå } Ç^• FHEI Ç^• Fi ECG Ç^• GHEI Ç^• Gi É	EIEE EIEE EIEE EIEE	Ü& } æå æ • { ç }
7	Ó [~] ç æç æKQ [] *] ^• [] • ç @ å åå^å ç àæ&ç ~^• , æ@ ç TUVU å ç @ ^ ç ~ æ^ &æ^ È	Ià Y @ç ç } • , æ&ç • { \ å * Ñ	Óæ^ , æ ^-^&c æ [] * ^ , TUVU ~^•^•È ^çç^ &æ^ È Ç^• FHEI Ç^• Fi ECG Ç^• GHEI Ç^• Gi É Ç^• HE	p [• , æ&ç * í EIEE í EIEE í EIEE EIEE	Ü& } æå æ • { ç }
		I& Y @ç ç } åå • { \ å * ÇÈæçå^ æ ~^•^Ñ	Ö æ ~^•	p [å^ æ ~^• EIEE	Ü& } æå æ • { ç }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
	ì á	Y @æ]![[[!] } ~ ãTÚVÚ ~•^Ñ	T ÚVÚ &^••æñ }	Œ^• FHEI Œ^• FI É	p[&^••æñ } €€€ U& } æñ æ• {] } }	
8	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ à ð àæ& [~•^, ã@ o@ T ÚVÚÉ& } ð ~^ à T ÚVÚ ~•^ æ à } ^ã@! •, ã&@ à ð • { [\ ð *] [~ ãæ ð àæ& [~•^	ì á	Y @æ]![[[!] } •, ã&@ ð • { [\ ð * Ñ	Ōæ^, æ ^-^&c æ [] * & } ð ~ ð * T ÚVÚ ~•^!•Éæ æ^ &æ* [! ð •	Œ^• FHEG Œ^• GÉ	p[•, ã&@ * €€€ U& } æñ æ• {] } }
	ì &	Y @æ]![[[!] } æã • { [\ ð * Ñ È•æçã ð ~•^Ñ	Ō ð ~•^	Œ^• FHEG Œ^• GÉ	p[á ð ~•^ €€€ U& } æñ æ• {] } }	
	ì á	Y @æ]![[[!] } ~ ãTÚVÚ ~•^Ñ	T ÚVÚ &^••æñ }	Œ^• FHEG Œ^• GÉ	p[&^••æñ } €€€ U& } æñ æ• {] } }	
9	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ à ð àæ& [~•^, ã@ o@ T ÚVÚ æ à ^ç^ } ç æ •, ã&@ à ð • { [\ ð *	Já	Y @æ]![[[!] } •, ã&@àæ& ð T ÚVÚÑ	Ü^ç! } • { [\ ð * ð T ÚVÚ ~•^	Œ^• FHEG Œ^• GÉ	p[!^ç! } €€€ U& } æñ æ• {] } }
		J&	Y @æ]![[[!] } ~ ãæ ð àæ& [~•^Ñ	Ü { [\ ð * &^••æñ }	Œ^• FHEG Œ^• GÉ Œ^• GÉ	p[~ ãæ * JÉ€ FI €€ Væ&^ ÇÉ
10	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ à ð àæ& [~•^, ã@ o@ T ÚVÚÉ^ç^ } ç æ! •, ã&@ à ð • { [\ ð * æ à • à^~^ } ð •, ã&@ à àæ& ð o@ T ÚVÚÉ	Fæ	Y @æ]![[[!] } ~ ãæ ð àæ& [~•^Ñ	T ÚVÚ &^••æñ }	V!æ • æñ } }[c { [á^!á	
11	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ à ð àæ& [~•^, ã@ o@ T ÚVÚ æ à ^ç^ } ç æ! æã à^ à • { [\ ð * Ñ È•æçã à ð ð ~•^Ñ	FFæ	Y @æ]![[[!] } ~ ãæ ð àæ& [~•^Ñ	Ō^••æñ } Éæ ð àæ& [V!æ • æñ } }[c { [á^!á	
12	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ à ð àæ& [~•^, ã@ o@ T ÚVÚ à^ç^ } ç æ! ~ ã T ÚVÚ ~•^É	FGæ	Y @æ]![[[!] } !^æ^ à ð T ÚVÚ ~•^Ñ	Ü^!æ^•É~ ð ð T ÚVÚ	V!æ • æñ } }[c { [á^!á	
13	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ à ð àæ& [~•^, ã@ o@ T ÚVÚÉ^ç^ } ç æ! ~ ã	FHæ	Y @æ]![[[!] } ~ ãTÚVÚ ~•^Ñ	T ÚVÚ &^••æñ }	V!æ • æñ } }[c { [á^!á	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
					T ÜVÜ ~•^ à~c~à•^~^}d~ !^•æçà T ÜVÜ ~•^É	
14	Ó[~}ç!-æçç çKQç [~*]^!•[~]• , @ ç ææçà ç àæçç ~•^, æ@ •{ [\ ç * ç à ç }ç ~^à •{ [\ ç * ç ç @ àæ^ &æ^É	Fí à	Y @ç]![[[!ç] } ç•çæç •, æ&ç T ÜVÜ ç ç @ ç ~}ç!-æçç çç	Ü, æ&ç *	Ç^• F-Éí Ç^• Fí É	p[•, æ&ç * Xæçà ç ç à ç } ç *][ç c
	Fí &	Y @ç]![[[!ç] } ç•çæç çà T ÜVÜ ç ç @ ç ~}ç!-æçç çç	Ö ç ~•^	Ç^• F-Éí Ç^• Fí É	p[à ç ~•^ Ü&} çç ççç ç • {] ç }	
15	Ó[~}ç!-æçç çKQç [~*]^!•[~]• , @ ç ææçà ç àæçç ~•^, æ@ •{ [\ ç * à c ~ ç •{ [\ ç * ç ç @ àæ^ &æ^É	Fí æ	Y @ç]![[[!ç] } •, æ&ç T ÜVÜ ç ç @ ç ~}ç!-æçç çç	Ö ç ~•^ ç } +{ ~ ç ç *	Ç^• F-Éí Ç^• Fí É	p[•, æ&ç * ççç çç ç • {] ç }
16	Ó[~}ç!-æçç çKQç [~*]^!•[~]• , @ ç ææçà ç àæçç ~•^, æ@ •{ [\ ç * ç à ç ^ç }ç ç ç ç ç à ç T ÜVÜ ~•^ ç ç ç ç ç à ç ç ~•^É	Fí æ	Y @ç]![[[!ç] } ~ ç ç ç ç àæçç ~•^Ñ	Ö ç • ç ç } É ç ç ç àæçç		V ç ç • ç ç } }[c [à^à
17	Ó[~}ç!-æçç çKQç [~*]^!•[~]• , @ ç ææçà ç àæçç ~•^, æ@ •{ [\ ç * ç à ç ^ç }ç ç ç ç ç à ç •, æ&ç à ç T ÜVÜ ~•^É	Fí à	Y @ç]![[[!ç] } •, æ&ç •{ [\ ç *Ñ	Ü ç ç ç •^ T ÜVÜ ç •{ [\ ç *	Ç^• F-Éí Ç^• G-É	p[! ç ç •^ Ü&} çç ççç çç ç • {] ç }
		Fí &	Y @ç]![[[!ç] } ~ ç ç ç ç àæçç ~•^Ñ	T ÜVÜ & ç • ç ç }	Ç^• F-Éí Ç^• G-É	p[& ç • ç ç } Ü&} çç ççç çç ç • {] ç }
18	Ó[~}ç!-æçç çKQç [~*]^!•[~]• , @ ç ææçà ç àæçç ~•^, æ@ •{ [\ ç * É ç ^ç }ç ç ç •, æ&ç à ç ç T ÜVÜ ~•^ É à ~c~à•^~^}d~ •, æ&ç à ç ç ç ç ç •{ [\ ç *É	Fí æ	Y @ç]![[[!ç] } ~ ç ç ç ç àæçç ~•^Ñ	Ü { [\ ç * & ç • ç ç }		V ç ç • ç ç } }[c [à^à

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
8	l à	Y @e]![[[!d]} •, ã&@d •{ [\d*Ñ	Öæ^, æ ^-^&cD Ö^ æ^â •{ [\d* æ [}* & }d~d* T ÛVÛ ~•^!•Éæ æ^ &æ* [!ã• Ö æ ~•^	Viæ •ãd } }[c{ [â^â		
	i &	Y @e]![[[!d]} æãâ •{ [\d* ÆÉ•æcã æ ~•^DÑ		Viæ •ãd } }[c{ [â^â		
	i â	Y @e]![[[!d]} ~ æT ÛVÛ ~•^Ñ	T ÛVÛ &••æd }	Viæ •ãd } }[c{ [â^â		
9	Jâ	Y @e]![[[!d]} •, ã&@âæã d T ÛVÛÑ	Ûæ^ } •{ [\d* d T ÛVÛ ~•^	Viæ •ãd } }[c{ [â^â		
	J&	Y @e]![[[!d]} ~ ææ d àæ&[~•^Ñ	Û{ [\d* &••æd }	Viæ •ãd } }[c{ [â^â		
10	Fæ	Y @e]![[[!d]} ~ ææ d àæ&[~•^Ñ	T ÛVÛ &••æd }	Viæ •ãd } }[c{ [â^â		
11	FFæ	Y @e]![[[!d]} ~ ææ d àæ&[~•^Ñ	Ö••æd }Éæ d àæ&[Viæ •ãd } }[c{ [â^â		
12	FGæ	Y @e]![[[!d]} !^æ^ d T ÛVÛ ~•^Ñ	Û^ æ^•^É ~ æd T ÛVÛ	Viæ •ãd } }[c{ [â^â		
13	FHæ	Y @e]![[[!d]} ~ æT ÛVÛ ~•^Ñ	T ÛVÛ &••æd }	Viæ •ãd } }[c{ [â^â		
14	Fl à	Y @e]![[[!d]} d •æ •, ã&@d T ÛVÛ d @ & ~} l-æc æÑ	Û, ã&@*	Ö^• FHÉ Ö^• Fi É	P{ •, ã&@* Xæãâ d -d à d }d*][d c	U&}æd æ•{ [d }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
	F1 &	Y @e]![] [!q} ð•lææ æá T ÛVÚ ðÉ•æcá~ æ~•^D Õ~ æ~•^	CE^• FHEÍ CE^• FÍ É	P[á~ æ~•^ €€€	Ù&^} æð æ•~ {]q}	
15	Ó[~} l~æc~ æKQ [] *] ^• [] • , @ ð ãææ^á ð àæ& [~•^, ã@ •{ [\ ð * á^c~ ã•{ [\ ð * ð @ àæ^ &æ^É	F1 æ	Y @e]![] [!q} •, ã&@ ð T ÛVÚ ð @ & [~} l~æc~ æ ð•lææ [~~ ãð * Ñ	Ö&^• ð } + [{ ~ ãð *	CE^• FHEÍ CE^• FÍ É	P[•, ã&@ * í €€ Ù&^} æð æ•~ {]q}
16	Ó[~} l~æc~ æKQ [] *] ^• [] • , @ ð ãææ^á ð àæ& [~•^, ã@ •{ [\ ð * æ á^c^} c æ^ æá^á T ÛVÚ ~•^ ðÉ•æcá á~ æ ~•^É	F1 æ	Y @e]![] [!q} ~ ãæ ð ð àæ& [~•^Ñ	Ö^••æð } Éæð ð àæ& [Viæ•æð } } [c [á^á^á	
17	F1 à	Y @e]![] [!q} •, ã&@ ð •{ [\ ð * Ñ	Ü^ æ •^ T ÛVÚ ð •{ [\ ð *	CE^• FHEGG CE^• GÉ	P[^ æ •^ €€€	Ù&^} æð æ•~ {]q}
	F1 &	Y @e]![] [!q} ~ ãæ ð ð àæ& [~•^Ñ	T ÛVÚ &^••æð }	CE^• FHEGG CE^• GÉ	P[&^••æð } €€€	Ù&^} æð æ•~ {]q}
18	Ó[~} l~æc~ æKQ [] *] ^• [] • , @ ð ãææ^á ð àæ& [~•^, ã@ •{ [\ ð * É^c^} c æ^ •, ã&@ á ð T ÛVÚ ~•^ Éá^c~ à^•^•^} ð •, ã&@ á àæ& ð •{ [\ ð * É	F1 æ	Y @e]![] [!q} ~ ãæ ð ð àæ& [~•^Ñ	Ü{ [\ ð * &^••æð }	Viæ•æð } } [c [á^á^á	

05] ^} åæ ÓK0ab•q * WÈJÈÙ{ [\q * Qãããã} æ à Ô^••ãã} Üæ^• æ à T[!cãã Üæ^• -[{ @
Sæã^!Ë^!{ æ^} ð Ô[@!cÙcã^ -[! W^ã @ ÖÜT QÉFD

Ó·ǿ ǿǿ } [~àæ^ &æ^ dǿ·ǿǿ }]| àǿǿǿǿ·

Óc [·~|^ dǿ·ǿǿ }]| àǿǿǿǿ· ð c@ àæ^ &æ^ & }·ǿ c [~àæ^ &æ^]| àǿ &cð ǿǿǿ } ð à &··ǿǿ } |æ·
æ , ^|| æ |^|ǿ·^|æ· +{ { -|{ |^·^·^ d &||^} c·^È

ÓÈ^É]^&ǿǿ&ǿ ǿǿ^··{ [\ ð * ð ǿǿǿ } , æ àæ^ à [] GEEJ &ǿ ǿǿ^··{ [\ ð * ð ǿǿǿ } |æ··] ~ à|ǿ @ à à^
c@ Û à·ǿǿ & Óǿ·^·^ ð à T^) ǿ P^ǿc@ Û^|çǿ· Óǿ{ ð ǿ dǿǿ } 9 ÛÓÈ PÙÓÈPǿǿ } ð Û·|ç^· [] Óì·*
W^·^ ð à P^ǿc@ GEEJ FÈ V [ǿǿ] c@ Í È^ǿ ǿǿ^ &æ·· [|ǿ· , ^ &Q·^·^ d ~·^ ð c@ ÖÚT , ǿ@cQ·^·^·^
à ð PÙÓÈÉ , ^·^|ǿ @ ǿǿ···^ c@ [] ~|ǿǿ } ·{ [\ ð * ð ǿǿǿ } |æ·· ÇTable B1ÈV [àǿǿ ð ǿǿǿ } |æ··
-|{ Í È^ǿ] ^| ð à·È , ^ { ~|ǿ |ǿ à ^ǿ@ǿ } ~ ǿ|æ· à GÈ d]| çǿǿ^ ǿ& } ·^|çǿǿ·^·^·^ ǿ [~c@ ǿǿ^|ǿ^
|^·· [] Èǿ ^ ǿǿ|ǿ [~·{ [\ ð * ð ǿǿǿ } ð ^ǿ@Í È^ǿ ǿǿ^ &æ·· [Í È

Vǿǿ|^ ÓFKÓǿ ǿǿ^··{ [\ ð * ð ǿǿǿ } Ç ÌÈWÙ GEEJ Ç ǿ·^ ǿ à -^ { ǿ·^Èǿ } ^ |ǿ&D

ÙÓÈ PÙÓÈ ǿǿ^ &æ·· [Í È	ÞPÙÓÈÈ ð ǿǿǿ } Ç D	ÖÚT ǿǿ^ &æ·· [Í È	Ó [^&ç^ ð ǿǿǿ } Ç D	Ó [^&ç^ } ð à ^ǿ [] - { & ^&ç^ } Q&^æ^ à ð ǿǿǿ } æ· · FG^ǿ [ǿ· Ç , ^ ð ǿǿǿ } æ··D ǿǿ] ǿc [~ÙÓÈ PÙÓÈǿǿ^ &æ·· [Í È à~cǿǿ] [c] ǿc [~{ [à^ ǿ^ &æ·· [Í È	Ó [^&ç^ Í È^ǿ ð ǿǿǿ } Ç D
FǸÈÍ	Í È	FÈÈÍ	Í È		FÈÈÍ
FÌ ÈÈÈ	Í È	FÌ ÈÈG	Í ÈÈ	Ö&^æ^ à ð ǿǿǿ } æ· · GF ð à GG^ǿ [ǿ· Ç , ^ ð ǿǿǿ } æ··Dǿ^] [c] ǿc [~ ÙÓÈ PÙÓÈǿǿ^ &æ·· [Í È à~cǿǿ] ǿc [~{ [à^ ǿ^ &æ·· [Í È	FÈÈÈÈ
GFÈÍ	FÈÈ	GFÈÍ	ÈÈÈ	Ö&^æ^ à ð ǿǿǿ } æ· · GF ð à GG^ǿ [ǿ· Ç @ ð ǿǿǿ } æ··Dǿ^] ǿc [~ ÙÓÈ PÙÓÈǿǿ^ &æ·· [Í È à~cǿǿ] [c] ǿc [~{ [à^ ǿ^ &æ·· [Í È · GÍ ð à GÍ ^ǿ [ǿ· Ç , ^ ð ǿǿǿ } æ··Dǿ^] [c] ǿc [~ ÙÓÈ PÙÓÈǿǿ^ &æ·· [Í È à~cǿǿ] ǿc [~{ [à^ ǿ^ &æ·· [Í È	FÈÈÈÈ
Óǿ [ç^ G	ÈÈÈ	GÈ ÈÈG	ÈÈÈ	Ö&^æ^ à ð ǿǿǿ } æ· · GÍ ð à GÍ ^ǿ [ǿ· Ç @ ð ǿǿǿ } æ··Dǿ^] ǿc [~ ÙÓÈ PÙÓÈǿǿ^ &æ·· [Í È à~cǿǿ] [c] ǿc [~{ [à^ ǿ^ &æ·· [Í È	ÈÈÈÈÈ
		Óǿ [ç^ HG	ÈÈÈ		ÈÈÈÈÈ

F @ç HÈ , È ǿ @ ǿÈ [çǿǿǿ PÙÓÈPǿ FÈÜ·~ |ç Vǿǿ|^· PÙÓÈP Vǿǿ|^· GEFÈÜÈPVT È|^& d] ^ Vǿǿ· Fç FÌ ÈÈÈ À Vǿǿ| ÈÈ HÓ

Væð| ^ ÓHKCE ^ È] ^ & ðæ] ^ { } È ^ æ • È à ^ æ @ æ ð à { [| çæ | æ • ð } ^ ç ^ { [\ ^ { } æ ð à & \ ^ } c • { [\ ^ { } à ^ à | æ ð } [~ • { [\ ð * È à æ ^ à [] à æ æ - { | { ^ } , @] æ æ ð æ à ð @ S æ ^ È ^ { } æ ^ } ç \$ Ú D & @ | c • c à ^

CE ^ Ç ^ æ • D	Ó ð æ ^ ç • { [\ ð * • ç æ •	Ý ^ æ • • { [\ ^ à	Ú ^ { } È ^ æ •	Þ ^ { } à ^ [~ à ^ æ @	T [çæ æ ^
H È J	Þ ^ ç ^ Ó ~ \ ^ } c Ó ~ \ ^ } c	È Ł GE GE HU	G È F Í Í È € F Í È Í H	I J F Í I Ì	F Í H È G Í J È H G J È
Í È I	Þ ^ ç ^ Ó ~ \ ^ } c Ó ~ \ ^ } c Ó ~ \ ^ } c	È Ł GE GE HU I € È	G È GE F È I F È È Í I È Í	J Ì Ì Ì € Ì I	I € H È Í J I È Ì Ì H È F Í J I È
Í Í È I	Þ ^ ç ^ Ó ~ \ ^ } c Ó ~ \ ^ } c Ó ~ \ ^ } c	È Ł GE GE HU I € È	FF È Í Í GF Ç J Í H H È Í	F Í F € GH Ì €	F I € È € È GH Ì È G H Í È
Ì Í È	Þ ^ ç ^ Ó ~ \ ^ } c Ó ~ \ ^ } c Ó ~ \ ^ } c	È Ł GE GE HU I € È	I È Í Í J € F H Ì I €	GE H € FG I G	I Í G È € È Ì Í J I È Ì Í Í È

æ ç , { ^ } æ ^ à Í Í È I , ð @ æ ^ • { [\ ^ à { | Ł GE ^ ^ æ • Ł @ æ æ ^ [| ^ { } | ^ & } ç æ ^ à GFG] ^ { } È ^ æ • æ ð à } [à ^ æ @ È Ç | ç @ Ò Ú T ð] ~ ç , ^ • à ^ ç ç à : ^ [] ^ { } È ^ æ • È
à ç , { ^ } æ ^ à Í Í È , ð @ æ ^ • { [\ ^ à { | Ł GE ^ ^ æ • Ł @ æ æ ^ [| ^ { } | ^ & } ç æ ^ à J €] ^ { } È ^ æ • æ ð à } [à ^ æ @ È Ç | ç @ Ò Ú T ð] ~ ç , ^ • à ^ ç ç à : ^ [] ^ { } È ^ æ • È

Table B4 • @ , • @ S Ú à æ æ à ^ æ ^ æ ð à æ æ ^ [| ð • [~ ^ æ • • ð & ~ æ ç • • { [\ ð * æ] ~ à | æ @ à à ^ Ø ð à { æ ^ ç æ È Ç | ç @ Ò Ú T ð] ~ ç , ^ æ æ ð • ç à ð & } • ð ç } & ð • ð @ { [| çæ | æ • - { | ç [æ æ ^ [| ð • æ à • & æ ^ à ð @ - { | ç [ç • È à ^ [] , È

Væh^ ÓI KCE^É] ^&æ.] ^{ } É^æ•Éâ^æ@ æ à { [|çææ |æ• æ } ^ç^ { [\^• æ à { |{ \^• à^ à^ |ææ } [~^ ææ * Éâæ^â [] àææ-| { ^ } , @] ææææ æ à æ @ Sææ^ÉU^ { æ^ } ç SÚD& @ |c•c à^

OE^ Ç^æ•D	Öæ æ^æ • { [\ æ * •ææ •	Y^æ• ~ æ	U^• [] É ^æ•	Þ { à^ [~ â^æ@	T [çææ æ•
H É J	Þ^ç^ Ø { \^ Ø { \^ Ø { \^	É GÉ€ FFÉ€ NGÉ	GÉF ÍÉÍ F ÍÉF€ FÉÍ J	I J FG Í Çæ HÇD	FÍ HÉ GFÍ É ÍÉÉ Ç É æ G FÉ Ç É æ
Í ÉÍ	Þ^ç^ Ø { \^ Ø { \^ Ø { \^	É GÉ€ FFÉ€ NGÉ	G É€ HÉ G Í É€ I ÉÍ €	JÍ G GJ FJ	I € É Í FÍ É I É I € É
Í Í É	Þ^ç^ Ø { \^ Ø { \^ Ø { \^	É GÉ€ FFÉ€ NGÉ	FFÉ Í Í JÍ Í GÉ Í HÉ €	FÍ F FI Í G I H	FI € É FI HÉ GÉ É FGG É
Í Í É	Þ^ç^ Ø { \^ Ø { \^ Ø { \^	É GÉ€ FFÉ€ NGÉ	I É Í G H Í Í F FÉ I G	GÉH FÍ I € Í Í	Í G É Í H G É Í J F É Í Í É

æææ { æ ^cæÉ^ |çá í âæ@ Ç [|çææ |æ• Mí ÉÍ ÉP [^ç^Éçæ |ææ æ] * { |{ \^• [~FFÉ€ ^æ• æ { ~&@ [, ^ | çææ] @ [|çææ |ææ æ] * } ^ç^ { [\^• æ @ •æ ^ æ ^ ææ * [Í É Ç | ÓÚT æ] ~É, ^ æ &æ^â @ } { à^ [~â^æ@ ç JÉ

æææ { æ ^cæÉ^ |çá í Hâæ@ Ç [|çææ |æ• MÍ FÉÉP [^ç^Éçæ |ææ æ] * { |{ \^• [~NGÉ ^æ• æ { ~&@ [, ^ | çææ] @ [|çææ |ææ æ] * } ^ç^ { [\^• [~L GÉ ^æ• æ @ •æ ^ æ ^ ææ * [Í É Ç | ÓÚT æ] ~É, ^ â&æ^â @ } { à^ [~â^æ@ ç GÉ

V [&ææ] æ [, ^ | æ ^ ææ * [|æ• É, ^ âææ^â ^ææ [~@ -æ•çç [æ ^ ææ * [|æ• ÇÍ É J æ à Í ÉÍ ^æ•D æ] * @ |^• ^ææ ææ * [| { æ] [æ • É V @ |^• |æ * ææ * [|æ• , ^ | ^ HÍ É GÉ | HÉ J ÉÍ ÉÍ Í æ à Í Í É | É Çæææ] æ É, ^ âææ^â @ %ææ • [~• { [\ æ * +ææ * [|æ• ÇÉ€ æ à FFÉ€ æ à NGÉ ^æ•D æ ç • { æ^ | æ çææ æ] * @ |^• ^ææ ææ * [| { æ] [æ • Ç FÉ€LFFÉJLÇÉG æ à HÉU ^æ•É V @ |^• |æ ç • @ , } æ **Table B5É** Y ææ^, ^ç&^ ç } • Ç^æ + [ç [ç • ç **Table B5É**, ^ æ [ææ à | É [~â^æ@ ç @ ^ [~] * ^ | æ ^ æ à • @ |çá í ææ] [~• { [\ æ * ææ * [|æ• É æ à Í É [~â^æ@ ç @ [|æ^ | æ ^ æ à] * ^ | ææ] [~• { [\ æ * ææ * [|æ• É

V@ SÚ áææ, ^\^ } [c•dæãã à à^ æ^Éã~!æã} [~•{ [\å* Èand^æ••å & ~ãã* •{ [\å* ÈV@!^†!Æ
, ^ áã @ †||, å* K

- Ö&~ á^á @] [c@ææææ* [† & { àå æã} • c@æ, ^\^ |ã^† † & } æã ç^† ^,]^•[] È^æ• [†, ^\^
ã] [••ã| ^ Ç @, } æ •dã^c@ [~ • @ å [Table B7](#) ÈQ| ^çæ]|^Èæ|^•[] , @ @æ •{ [\å^ †| | È
^æ• æ á @æ ~ã†| { [†^ c@æ GE^æ• & ~|ã} [cà^ å @ ^ [~] *^•cæ^ ææ* [† È
- Y åQ^ æã@!^ { æã å* æ^ æ á %^æ• •å & ~ãææ* [† Èæ { [•cç [ææ* |ã• [~ã~!æã} [~
•{ [\å* , ^\^ |ã^† [†] [••ã|^ÈQ|]^ [] ^ ææ* [† [~ã~!æã} [~•{ [\å* , æ] [••ã|^Èæ] á^æ@
æ á]^•[] È^æ• , ^\^ & ~ } ç á † , æ á c@æææ* [† È U@! , á^È, ^ •] |ã|^•[] È^æ• ^ç^† |^ æ á
æ| ææ á | È [~ã^æ@ † c@ • @ | ç á ~!æã} [~•{ [\å* ææ* [† æ á | È [~ã^æ@ † c@ [] } *^!
á~!æã} [~•{ [\å* ææ* [† È
- Y åQ^ æã@!^ { æã å* ææ* [† [~æ^ æ á %^æ• •å & ~ãææ* [† Èæ { [•cç [æ^ ææ* |ã• , ^\^ |ã^†
[†] [••ã|^ÈQ|]^ [] ^ æ^ ææ* [† , æ] [••ã|^Èæ] á^æ@ æ á]^•[] È^æ• , ^\^ & ~ } ç á † , æ á
c@æææ* [† È U@! , á^È, ^ •] |ã|^•[] È^æ• ^ç^† |^ æ á æ| ææ á | È [~ã^æ@ † c@ ^ [~] *^!
æ^ ææ* [† æ á | È [~ã^æ@ † c@ [|ã^ æ^ ææ* [† È
- Q| æ^È•{ [\å* á~!æã} æ á %^æ• •å & ~ãææ* [†ã• , å@~]]^! à [~] á• å @ SÚ áææ, ^
^} ç!^á @ ææ* [† { ã] [å • È
- Q| @ [] ^ È } á^á æ^ ææ* [† Ç| É ^æ•Då @ SÚ áææ, ^ ^} ç!^á æ^ | ÈV@ , æ à^æ•^
@ |ã^ ç^ ^ææ & †| WU { ^ } , @ @æ|^æã@ á @ æ^ [~|í å GEÍ , æ FÈ^æ•L, ^~•^á @ç-c@æ
} { à^! æ @ ææ* [† % ã] [å ç È
- V@ SÚ áææå &~ á^á [] ^ [] ^ È } á^á ææ* [† †| á~!æã} [~•{ [\å* È| È È^æ•ÈY ^ [{ æç á c@æ
ææ* [† †|]^•[] • æ^á k|í ^æ•ÈQ| æ^ ææ* [† ííÈ| ^æ•È, ^~•^á |í ^æ• [~•{ [\å* å
@ ÖUTL†| æ^ ææ* [† ííÈ| , ^~•^á | È^æ• [~•{ [\å* Læ á †| æ^• ííÈ, ^~•^á |í ^æ• [~
•{ [\å* Èá^æ•^ { ^ } å @ [|á^•cæ^* [†] æ^ |ã^† † @æ^• { [\å^ †| { [†^ c@æ | È^æ•È
- Q| @ [] ^ È } á^á %^æ• •å & ~ãã* +ææ* [† å @ SÚ áææNGE^æ•È, ^~•^á G| ^æ• å @
ÖUTÈ

Væð| Ǫí KǪE^É] ^&ææ] ^{ } É^æ• æá á^ææ@ æ } ^ç^| •{ [\^| • æá &]] c •{ [\^| • à^ æ^É
 á^|ææ } [~ •{ [\^| * and á^|ææ } [~ ~ ææ * ÉÇææ^á æ^ æá á •{ [\^| * &ææ * [] á^| &ææ * [] á^|
 [{ æá á^|ææ^á] áææ-| { \^| , @] æææ æá á æ @ Sææ^|É] { æ^| } ʘ \$ÚD& @ | c • ç á^

ǪE^ Ç^æ•D	Ǫææ^æ •{ [\^ * •ææ •	Ǫ^æ• •{ [\^ á	Ǫ^æ• ~ ~ æ	Ǫ^ • [] É ^æ•	Ǫ^ { à^ [~ á^ææ@
H Ē G	Ǫ^ç^	É	É	FI Ē Ē	FJĒ
	Ǫ^ ^} c	FFÉ	É	É	É
	Ǫ { ^		GFE	FĒU GĒ	FĒ
	Ǫ { ^		FFG	HĒÉ Ē	HĒ
	Ǫ { ^		NGE	É	É
	Ǫ^ ^} c	FFĒJ	É	GĒ Ē	I Ē
	Ǫ { ^		GFE	FĒU GĒ	GĒ
	Ǫ { ^		FFG	É	É
	Ǫ { ^		NGE	É	É
	Ǫ^ ^} c	GĒGJ	É	I Ē FĒ	FJĒG
	Ǫ { ^		GFE	É	É
	Ǫ { ^		FFG	É	É
	Ǫ { ^		NGE	É	É
	Ǫ^ ^} c	HĒHJ	É	É	É
	Ǫ { ^		GFE	É	É
	Ǫ { ^		FFG	É	É
	Ǫ { ^		NGE	É	É
I Ē J	Ǫ^ç^	É	É	FI Ē Ē	GJĒ
	Ǫ^ ^} c	FFÉ	É	É	É
	Ǫ { ^		GFE	FĒU GĒ	GĒ
	Ǫ { ^		FFG	HĒÉ Ē	I Ē
	Ǫ { ^		NGE	FĒI JĒ	GĒ
	Ǫ^ ^} c	FFĒJ	É	GĒ Ē	JĒ
	Ǫ { ^		GFE	FĒU GĒ	I Ē
	Ǫ { ^		FFG	É	É
	Ǫ { ^		NGE	É	É
	Ǫ^ ^} c	GĒGJ	É	I Ē FĒ	GĒ
	Ǫ { ^		GFE	É	É
	Ǫ { ^		FFG	É	É
	Ǫ { ^		NGE	É	É
	Ǫ^ ^} c	HĒHJ	É	É	É
	Ǫ { ^		GFE	É	É
	Ǫ { ^		FFG	É	É
	Ǫ { ^		NGE	É	É
I Ē I	Ǫ^ç^	É	É	FOĒFOĒ	HI Ē
	Ǫ^ ^} c	FĒÉ	É	É	É
	Ǫ { ^		GFE	É	É
	Ǫ { ^		FFG	É	É
	Ǫ { ^		NGE	É	É
	Ǫ^ ^} c	FFĒJ	É	FĒI Ē	I Ē
	Ǫ { ^		GFE	É	É
	Ǫ { ^		FFG	FĒG Ē	I Ē
	Ǫ { ^		NGE	GĒH Ē	I Ē

æǪ| ••^á [~ c&æ * [] á^| , ^| ^ } [c^ •^á æ æ] ~ ç | | @ ÖÚT É

Vaa| ^ Óí Ê& } dKCE ^ Ê] ^ & a&] ^ { } Ê ^ a& a á a& a& a } ^ ç ^ { [\ ^ { } a á &] ^ } c { [\ ^ { } a á a& a& a } [~ • { [\ a * and a ~ | a& a } [~ ~ a& a * Ê a& a& a a a& a a { [\ a * & a& a * [a • Ê } | a ^ | & a& a * [a • { { a& a a& a a& a a [} a& a& a - | { ^ } , @] a& a& a a& a a } @ S a& a& a Ê | { a& a } ^ ç \$ Ú D & @ | c • ç a ^

Ç^ ^ Ç^ a& a • D	Ôã a& a ^ ç • { [\ a * • a& a •	ÿ^ a& a • { [\ a	ÿ^ a& a ~ ~ a	Ú^ • [] Ê ^ ^ a& a •	b ~ { a ^ [~ a ^ a& a @
Í Ê	Ô ~ ^ } c	GeGj	È	Í Ê € GÍ	HGÈ
	Ø { ^		GÈ€	JÉ Í È	I È
	Ø { ^		FFÈ€	FÍ G Í È	Í È
	Ø { ^		NGÈ	È	È
	Ô ~ ^ } c	HÈHj	È	GÍ FÍ È	FJÈ
	Ø { ^		GÈ€	JÉ Í È	Í È
	Ø { ^		FFÈ€	È	È
	Ø { ^		NGÈ	È	È
	Ô ~ ^ } c	I € È	È	È	È
	Ø { ^		GÈ€	È	È
	Ø { ^		FFÈ€	È	È
	Ø { ^		NGÈ	È	È
Í Í È	b ^ ç ^	È	È	FGÈ FÈ€	Í Í È
	Ô ~ ^ } c	FÈ€	È	È	È
	Ø { ^		GÈ€	È	È
	Ø { ^		FFÈ€	È	È
	Ø { ^		NGÈ	È	È
	Ô ~ ^ } c	FFÈj	È	È	È
	Ø { ^		GÈ€	È	È
	Ø { ^		FFÈ€	FÈ G Í È	Í È
	Ø { ^		NGÈ	GÍ H Í È	FFÈ
	Ô ~ ^ } c	GeGj	È	È	È
	Ø { ^		GÈ€	JÉ Í È	Í È
	Ø { ^		FFÈ€	FÈ G Í È	FÈÈ
	Ø { ^		NGÈ	È	È
	Ô ~ ^ } c	HÈHj	È	GÍ FÍ È	G Í È
	Ø { ^		GÈ€	JÉ Í È	JÈ
	Ø { ^		FFÈ€	È	È
	Ø { ^		NGÈ	È	È
	Ô ~ ^ } c	I € È	È	I È H Í È	Í Í È
Ø { ^		GÈ€	È	È	
Ø { ^		FFÈ€	È	È	
Ø { ^		NGÈ	È	È	
Í Í È	b ^ ç ^	È	È	FFÈ Í Í È	FÍ FÈÈ
	Ô ~ ^ } c	FÈ€	È	È	È
	Ø { ^		GÈ€	È	È
	Ø { ^		FFÈ€	È	È
	Ø { ^		NGÈ	È	È
	Ô ~ ^ } c	FFÈj	È	È	È
	Ø { ^		GÈ€	È	È
	Ø { ^		FFÈ€	È	È
	Ø { ^		NGÈ	È	È

• Ó | • • a [~ c & a * [a • , ^ ^] [c • ^ a a a] ~ c - | : @ Ò Ú È

Væa| ^ Óí Ê& } dKCE ^ Ê] ^ & æ æ] ^ ! • [] Ê ^ æ • æ ð á á ^ æ @ ð } ^ ç ^ ! • { [\ ^ ! • æ á &] ! ^ } c • { [\ ^ ! • á ^ æ ^ Ê á ^ ! æ æ } [~ • { [\ ð * and á ^ ! æ æ } [~ ~ æ æ * Ê Ç æ æ æ á æ ^ æ á • { [\ ð * & æ æ * [! á • Ê } | á ^ ! & æ æ * [! á • [{ æ á á ^ Ê æ æ á [] á æ æ - | { ^ } , @] æ æ æ æ á ð c @ S æ æ ^ Ê U | { æ ^ } ç \$ Ú D & @ | c • ç á ^

Œ ^ Ç ^ æ • D	Ö ä æ ^ æ • • { [\ ð * • æ æ •	Ÿ ^ æ • • { [\ ^ á	Ÿ ^ æ • ~ ~ æ	Ú ^ ! • [] Ê ^ ^ æ •	Þ ~ { á ^ ! [~ á ^ æ @
	Ö ~ ^ } c	Œ Œ Œ Œ	Ê	Ê	Ê
	Ø ^ !		G F Ê	Ê	Ê
	Ø ^ !		FF Ê Ê	F Ê Œ Ê	G Ê Ê
	Ø ^ !		NG Ê	H Ê Ê	I H Ê
	Ö ~ ^ } c	H Ê Œ U	Ê	J I H Ê	G H Ê
	Ø ^ !		G Ê Ê	J I I Ê	F I Ê
	Ø ^ !		FF Ê Ê	F Ê Œ Ê	H F Ê
	Ø ^ !		NG Ê	Ê	Ê
	Ö ~ ^ } c	I Ê Ê	Ê	H Ê Ê	I Ê Ê
	Ø ^ !		G F Ê	Ê	Ê
	Ø ^ !		FF G Ê	Ê	Ê
	Ø ^ !		NG Ê	Ê	Ê
Í Í Ê	Þ ^ ç ^ !	Ê	Ê	I Ê I Ê	G Ê Ê
	Ö ~ ^ } c	F F Ê	Ê	Ê	Ê
	Ø ^ !		G F Ê	Ê	Ê
	Ø ^ !		FF G Ê	Ê	Ê
	Ø ^ !		NG Ê	Ê	Ê
	Ö ~ ^ } c	FF F J	Ê	Ê	Ê
	Ø ^ !		G F Ê	Ê	Ê
	Ø ^ !		FF G Ê	Ê	Ê
	Ø ^ !		NG Ê	Ê	Ê
	Ö ~ ^ } c	Œ Œ Œ Œ	Ê	Ê	Ê
	Ø ^ !		G F Ê	Ê	Ê
	Ø ^ !		FF G Ê	Ê	Ê
	Ø ^ !		NG Ê	Ê	Ê
	Ö ~ ^ } c	H Ê Œ U	Ê	F H I Ê	F G Ê
	Ø ^ !		G Ê Ê	Ê	Ê
	Ø ^ !		FF Ê Ê	H I Ê	F I Ê
	Ø ^ !		NG Ê	F Ê Ê	I I Ê
	Ö ~ ^ } c	I Ê Ê	Ê	I I Ê	I G Ê
	Ø ^ !		G Ê Ê	G I Ê	F I Ê
	Ø ^ !		FF Ê Ê	H I Ê	G I Ê
	Ø ^ !		NG Ê	Ê	Ê

æ Ó : [• • á [~ c æ æ * [! á • , ^ ^] [c ~ • á æ æ ð] ~ ç - | c @ Ö Ú Ê

0 ||, È] ã @ SÚ & @ |c•c•áˆ, æ•@|c•c•áˆ ã æ^È] ^&ã { [|c•c•áˆ |æ•, ^|^ |, & { } æ^á d æ^È
 •] ^&ã { [|c•c•áˆ |æ• |^] [|c•c•áˆ @ WÚ Ô^} •• † | GEEE ÈV [æb•c† | cÈ, ^ &æ& |æ^á @ |æã [-
 @ WÚ ã á SÚÈæ^á { [|c•c•áˆ |æ• ã ^æ@æ^ &æ^* [|c•c•áˆ Table B8ÈY ã @ ^æ@æ^ &æ^* [|c•c•áˆ, ^
 { ~|ã |á ã æ• { [\ã *È] ^&ã ã æ@ ã @ |c•c•áˆ |ã * æã d | æ † ||, •K Q | @ -ã•cH æ^ &æ^* [|c•c•áˆ, ^
 ~•^á æ& { { [] çã ^ [-FÈ æ @ { ~|ã |á |L† | @ |æ cæ^ &æ^* [|c•c•áˆ, ^ ~•^á @ æã çã ^ [-FÈ

Væ| ^ Ôi KWÚ ã á SÚÈæ^á æ^È] ^&ã { [|c•c•áˆ |æ• ã á @ ã |æã † | { ^ }

WÚ	SÚ	WÚ æ• † SÚ æ^ &æ^* [c•c•áˆ	Üæã [-WÚ { [c•c•áˆ æ• G† SÚ &æ^* [c•c•áˆ D† SÚÈæ^á { [c•c•áˆ æ•
OE ^ T [c•c•áˆ æ• Q^† FEEÈEED	OE ^ T [c•c•áˆ æ• Q^† FEEÈEED	OE ^ T [c•c•áˆ æ• Q^† FEEÈEED	
G È G J È	H È J G F I È	H È J I I È ^a FÈÈÈÈÈ ^b	G È H FÈ FÈ FÈ
I È J G È	I È I I F G È	I È I G H È ^c I È I È ^d	
I È È I È È È	I È È I È È È	I È È I È È È ^e	FÈ FÈ FÈ

^a Oæ^á [] á æ@ ã á] ^• [] È^æ• † [{ Table B7 G H È H È H J È M G F I È] ^† FEEÈÈÈÈÈ H G È I È I È È M F G È] ^† FEEÈÈÈÈÈ H I H G È I I M F È H U È] ^† FEEÈÈÈÈÈ H È È È H M È F I È È] ^† FEEÈÈÈÈÈ
^b SÚ æ^ &æ^* [|c•c•áˆ H È J [ç^† |ã •, æ@WÚ æ^ &æ^* [|c•c•áˆ G È | ã á I È | L, ^ ~•^á @, ^ã @ ã á æ^! æ^ [-WÚ { [|c•c•áˆ |æ• G J È ã á J G È, æ@, ^ã @] [] [|ã] çã d @ c^ [-ç^† |ã] ç€ G J È È I J G È È F I M I È È
^c SÚ &æ^* [|c•c•áˆ I È È | á [^•] [çã & ~ á æ^• I È È È, @ | ^ { [|c•c•áˆ |æ• æ^ |, ^ | L, ^ ã & ^ æ^á @ WÚ { [|c•c•áˆ |æ• [-924.5 by ≈20%.
^d WÚ &æ^* [|c•c•áˆ I È È ã & ~ á [^•] ^• [] [á ^† |ã] @ È I, æ@ @ È [[|c•c•áˆ |æ• L, ^ ~•^á I È [-@ WÚ { [|c•c•áˆ |æ• [-I È È È È È
^e ^ Y ^ ~•^á @ WÚ { [|c•c•áˆ |æ• [-I È È È È † | SÚ &æ^* [|c•c•áˆ I È È È

Table B9 • @, • @ -ã çã æb•c•á SÚÈæ^á á ææ^c••^á æ ã] ~ç d &æ& |æ { [|c•c•áˆ |æ• † | @ à æ^ &æ^ ã @ ÔÙ È

† |ã |ã, Èã& ~ } d ã • È | * È • & } • • F G J á æ@ ã á á æ@ |æ• á ^ æ^È |

Mortality rates for the base case – women

V[↑ @ ÖÚT {, [{ ^}É, ^~•^á áááá { @ Sááá Úá{ áá} ¢ \$ÚD& @ic•c•á•É, @↑ ááá ááá {cHí ÉÉÉ, [{ ^} áá• Hí áá [ááÉ, @ ^} ¢ááá @ & @icááá ^} FJÍJ áá FJÍÍ áá , ^á {||, ^á { | { |ááá @~* @FJÍÍÉÚ" àá @á áááá } |ááá } ^á• [] É^áá• áá áááá• dáááá •^} áááá^ à^ áááá* |áá• [~áá^ áá áá^áá• [~{ [\áá* Láá á áD↑ |áá• [~áá^ áá áá^áá• •áá &~ ááá* •{ [\áá* ááá{ áá ^cáá FJÍÍ DÉÚ | @] áá | áá áááá áá• [~@ & |^ Ú[á• [] { [áá & ^~áá } ¢É, ^ áááá~•^á } [] É { |áá } [|áá áááá áááá } •, ááá { ^áá € áá áááá ááááá } FÉÉÉ ¢ ááá { áááÉ , @^ @ SÚ áááá, ^á^~•^á áá áááá [] ¢ d~& ¢ |^ [~@ Ú[á• [] { [ááÉ [|ááá ááááá^ ááÉ^áá• [~ ^áá] [•~|^ áá áááá] |ááÉ { [\áá* Dáá áá^áá• •áá &^áá [•~|^ &••áá } áááá~ ááá* •{ [\áá* D { áá^ [] |áá } &áá áá^•^á áá @ ÖÚT É

¢ { |áá } Éá~•^á @ SÚ áááá {, [{ ^} , áááá ÖÚT É• [{ ^ ááá•áá } ¢ , ^á^ } ^áá•áá^ÉV@]~ ááá @á SÚ ááááá^•@, } áá [Table B10](#) áá áá [|áá ááá•áá } ¢ áá áá•&ááá áá @ { [áá] ¢É

í ááá{ áá ÖÉV\ áá ááááááá T ÉÚá } ^ ÚÉÚ [[\áá* áá { |áááá K@ Sááá Úá{ áá} ¢ ^ááá } &ÉQK Ú@] áá á ÖÜÉÓ } • ÖT ÉÓááááá SÉÚáá ^cRÉ^ááá |áá•ÉÓáá*^• áá áá Öááááááááááá Öááááá Úáá• áá á V@á Q] áááá } { |áááá } áá á Ó [] d [|ÉÚ [& áááá^ÉT ÖKWÚ Ó^ } áááá } ¢ [~P^ááááá áá P~ { áá Úááááá•ÉÚ ááááááááááá } áá Q•áá ¢ [~P^ááááááá } áá Óáá &áá Q•áá ¢ EFJÍÍ LIÍÍ ÉJÉ

Væ|[^] ÓFÉKÓE[^]É] ^&áá.] ^{ } É[^]æ•Éá[^]æ@ æ á { [|çæç |æ• æ } ^ç^ | •{ [\^ | • æ á & | | ^ } c •{ [\^ | • á[^] á[^] |æç] [~ •{ [\^ | • Éáæ^ á [] áææ- | , [{ ^ } , @] æçææ æ^ á æ @ Sææ | É | { æ ^ } ç \$ÚD& @ | c •ç á[^]

OE [^] Ç [^] æ•D	Óæ [^] æ [^] ç •{ [\^ • •æç •	Y [^] æ• •{ [\^ •á	Ú • [] É [^] ^æç•	P [^] { á [~ á [^] æ@	T [çæç æ [^] ç FæçÉæD
H É J	þ [^] ç [^] Ô [^] ^ } c Õ [^] ^ } c	É ŁGE GEËHU	I É I É I É I É F I É I É	H I G	I É I J É F I É
I É I	þ [^] ç [^] Ô [^] ^ } c Õ [^] ^ } c Õ [^] ^ } c	É ŁGE GEËHU I É	I J É I É G É I É F I É F I É H É I F É	FFI I Ç [^] æ I I I É	G I É G É H É G I É D H I É F É H É
I I É I	þ [^] ç [^] Ô [^] ^ } c Õ [^] ^ } c Õ [^] ^ } c	É ŁGE GEËHU I É	G É I J É I É G É G É G É I É H I É	F I F I HU I I	I É I É F É J I É F É H I É F É F É
I I É	þ [^] ç [^] Ô [^] ^ } c Õ [^] ^ } c Õ [^] ^ } c	É ŁGE GEËHU I É	F G É I É F É É H I É I H É	G J H F É H É	G É H É H É É É G É H G É H É F I É

æç á { æ ^ ç æ | | ^ } [| ç á I á[^]æ@ ç [|çæç |æ M G É H É É P [, ^ ç | É ç |æ æ [] * & | | ^ } c •{ [\^ | • [~ ŁGE ^æç • á | , ^ | ç æ @ { [|çæç |æ æ [] * } ^ç^ | •{ [\^ | • æ @ •æ ^ æ ^ ææ * [| É ç | ÓÚT æ] ~ çÉ , ^ æ æ ç • ç á æ & } • æ ç } & æ • æ @ { [|çæç |æ • ç | • ^ ç ^ | æ ææ * [| æ • æ á ^ • & æ á æ @ ç [ç [ç • É á | , É

Table B11 • @ , • @ SÚ áææ- | , [{ ^ } á[^] æ^ æ á ææ * [| æ • [~ ^æç • æ & ^ ~ æç * •{ [\^ | • æ] ~ á | @ á à çæç É ç | @ ÓÚT æ] ~ çÉ , ^ ææ ç • ç á æ & } • æ ç } & æ • æ @ { [|çæç |æ • ç | • ^ ç ^ | æ ææ * [| æ • æ á ^ • & æ á æ @ ç [ç [ç • É á | , É

Væb| OFFKOE^E] ^&æ] ^{ } E^æ• Eâ^æ@ æ à { [|ææ |æ• æ } ^ç^• { [\^• æ à { |{ \^• à^ â^ |ææ } [~^ ææ* Eâæ^â { } âææ-|, [{ ^ }, @] ææææâ à æ @ Sææ^E] ^{ æ^ } ç \$UD& @ | ç •c^ â^

OE^ Ç^æ•D	Ôææ^æ• { [\æ* •ææ•	Y^æ• ~^ æ	Ú^• { } E^æ•	P^ { à^ ~â^æ@	T [ææ æ Ç^ ææ
H È J	<p>Þ^ç^ </p> <p>Ø { \^</p> <p>Ø { \^</p> <p>Ø { \^</p>	<p>È</p> <p>GÈ€</p> <p>FFÈ€</p> <p>NGÈ</p>	<p>Í È Ì È</p> <p>Í È J H È</p> <p>Í È G È</p> <p>F È Ì J È</p>	<p>H</p> <p>€ Ç^ æD</p> <p>I Ç^ àD</p> <p>G Ç^ æD</p>	<p>Ì È</p> <p>€ Ç^ G È D</p> <p>Í È Ç^ H È D</p> <p>F Í È Ç^ È D</p>
Í È I	<p>Þ^ç^ </p> <p>Ø { \^</p> <p>Ø { \^</p> <p>Ø { \^</p>	<p>È</p> <p>GÈ€</p> <p>FFÈ€</p> <p>NGÈ</p>	<p>I J È I È</p> <p>H È Í È</p> <p>Í È Ì È</p> <p>I È Í È</p>	<p>FFI</p> <p>FÍ</p> <p>FÍ</p> <p>Ì Ç^ F^ D</p>	<p>G H È</p> <p>I È È</p> <p>G J È</p> <p>F Í È Ç^ J È D</p>
Í È I	<p>Þ^ç^ </p> <p>Ø { \^</p> <p>Ø { \^</p> <p>Ø { \^</p>	<p>È</p> <p>GÈ€</p> <p>FFÈ€</p> <p>NGÈ</p>	<p>G È Í J È</p> <p>F È Ì G È</p> <p>G È Í È</p> <p>G È I F È</p>	<p>FÍ F</p> <p>FÍ</p> <p>G F</p> <p>G È</p>	<p>Ì È È</p> <p>J Í È</p> <p>Ì H È</p> <p>Ì Í È</p>
Í È	<p>Þ^ç^ </p> <p>Ø { \^</p> <p>Ø { \^</p> <p>Ø { \^</p>	<p>È</p> <p>GÈ€</p> <p>FFÈ€</p> <p>NGÈ</p>	<p>F G È Í È</p> <p>H J È</p> <p>Ì G È</p> <p>Ì G È</p>	<p>G J J</p> <p>FÍ</p> <p>G H</p> <p>G</p>	<p>G È H È</p> <p>H È Í È</p> <p>H È Í È</p> <p>H È Í È</p>

ææâ(æ ^çæÈ^ |çâ èâæ@ ÈP, ^ç^ Èçæ |ææ æ { } * { |{ \^• { [\^• [~GÈ€^æ• æ ||, \^ çæ } çæ { [|ææ |ææ æ { } } ^ç^ • { [\^• æ @ •æ ^ æ^ ææ* [| ÈÇ | ÒÚ æ] ~ ç, ^ æ æ^æ^â @ } { à^ | ~â^æ@ ç I È

â ææâ(æ ^çæÈ^ |çâ èâæ@ Ç [|ææ |ææ M Í È È ÈP, ^ç^ Èçæ |ææ æ { } * { |{ \^• { [\^• [~FFÈ€^æ• æ ||, \^ çæ } çæ { [|ææ |ææ æ { } } * { |{ \^• { [\^• [~NGÈ^æ• æ @ •æ ^ æ^ ææ* [| ÈÇ | ÒÚ æ] ~ ç, ^ æ æ^æ^â @ } { à^ | ~â^æ@ ç Í È

ææâ(æ ^çæÈ^ |çâ èâæ@ Ç [|ææ |ææ M F Í È È ÈP, ^ç^ Èçæ |ææ æ { } * { |{ \^• { [\^• [~NGÈ^æ• æ { ~&@ @ | çæ } çæ { [|ææ |ææ æ { } } * { |{ \^• { [\^• [~GÈ€^æ• æ @ •æ ^ æ^ ææ* [| ÈÇ | ÒÚ æ] ~ ç, ^ æ æ^æ^â @ } { à^ | ~â^æ@ ç F È

â ææâ(æ ^çæÈ^ |çâ èâæ@ Ç [|ææ |ææ M F Í È È ÈP, ^ç^ Èçæ |ææ æ { } * { |{ \^• { [\^• [~NGÈ^æ• æ ||, \^ çæ } çæ { [|ææ |ææ æ { } } * { |{ \^• { [\^• [~NGÈ^æ• æ ||, \^ çæ } çæ { [|ææ |ææ æ { } } ^ç^ • { [\^• æ @ •æ ^ æ^ ææ* [| ÈÇ | ÒÚ æ] ~ ç, ^ æ æ^æ^â @ } { à^ | ~â^æ@ ç F F È

OE { | @ { ^ } Èç &^ææ } æ |, \^ æ^ ææ* [|æ• ç | @ , [{ ^ } È, ^ àææ^â ^ææ@ [~@ -â• çç [æ^ ææ* [|æ• æ] * @ |^• ^ææ^ææ* [| { æ } [æ ç È Çæâææ] æ È, ^ àææ^â @ %^æ• [~• { [\æ* + ææ* [|æ• æ ç • { æ | æ ç ç ç æ } * @ |^• ^ææ^ææ* [| { æ } [æ ç È V @ |^• | ç æ • ç , } æ [Table B12ÈY](#) æææ^, ^ç&^ ç } • Ç^ ç [ç ç ç ç [Table B12È](#), ^ æ | ææâ | ÈÄ [~â^æ@ ç @ ^ [~] ^ | æ^ æ^ æ à • @ | ç | à^ | ææ } [~• { [\æ* ææ* [|æ• Èæ à | ÈÄ [~â^æ@ ç @ [| à^ | æ^ æ à |] * ^ | à^ | ææ } [~• { [\æ* ææ* [|æ• È

³Ù\•[]É^æ• æá à^æ@ }[cáqñ^á à^ç ^^} æ^æ*[!ã• íëí æá ííëí ÈY^ æ•ã}^á ææ^æ*[!^ íëí à^æ•^•^•, ííÉ
 íí ^æ [!á, { ^}, ðí æ••{ [\^á +! |^•• cæ) GÉ^æ•É
 ^Ù\•[]É^æ• æá à^æ@ }[cáqñ^á à^ç ^^} æ^æ*[!ã• íëí æá ííëí ÈY^ æ•ã}^á ææ^æ*[!^ íëí à^æ•^•^•, ííÉ
 íí ^æ [!á, { ^}, ðí æ••{ [\^á +! |^•• cæ) HÉ^æ•É
 ^Ù\•[]É^æ• æá à^æ@ }[cáqñ^á à^ç ^^} %^æ• [~•{ [\^á *%æ*[!ã• FÉ€ æá FFÉJÈY^ æ•ã}^á ææ^æ*[!~•{ [\^á *+
 æ*[!^ FFÉJ^æ• à^æ•^•^•, { { ^} æ^á íí [! æ[ç^, ðí æ••{ [\^á +! |^•} FÉ€^æ•É
 ^X^•^•,]^•[] ^æ• æá à^æ@Lç^•~} |ã^• +! |!á^•, { { ^} ç æ••{ [\^á +! |^•} FÉ€^æ•L]^•[] ^æ• æá à^æ@ æ^
 }[ç^•^á +! |^• É
 ³Ù\•[]É^æ• æá à^æ@ }[cáqñ^á à^ç ^^} %^æ• [~•{ [\^á *%æ*[!ã• GÉ€J æá HÉ€JÈY^ æ•ã}^á ææ^æ*[!~•{ [\^á *%
 æ*[!^ HÉ€J^æ• à^æ•^•^•, { { ^} æ^á íí [! æ[ç^, ðí æ••{ [\^á +! |^•} GÉ€J^æ•É

V[{ æ&@æ^æ*[!ã• æ [] * & !!^} cæá +! { ^•{ [\^•É, ^ æ[áqñ^á à^æ@ [~•cç [æ^
 æ*[!ã• Çí ÈJ æá à íëí ^æ•Deç [] * c@ !^•] ^æ^æ*[!^ { æ [! ç +! |^•] c@ æ^ & } ææ^• ^• |^•
 +! +! { ^•{ [\^•ÉV@ !^• |^• ç^•@, } ð *Table B13* ÈY æ@]^•^•} ç^• +! ç [ç [ç ç *Table B13*
 , ^ æ[æ^á |^• [~•^æ@ ç c@ ^ [~•} *^• æ^æ*[!ã• Éæá à íëí [~•^æ@ ç c@ [!á^• æ^æ*[!ã• É

Væ| ^ ÓFHK^ ^É] ^&æ] ^{ } É^æ• æ á à^æ@ ð } ^ç^! • { [\^! • æ á { | { ^! • { [\^! • à^ á^!æ } [~
 ~ æ } * çæ æ^ à æ^ ææ^ [| à • Éææ^ à [] áææ [| , [{ ^ } , @] æææ æ^ á ð @ Sææ^ É^! { æ^ } ð \$ÚD
 & @ | c • ç á^

CE ^ Ç^æ•D	Óæ æ^æ • { [\ ð * •ææ •	Ý^æ• ~ æ	Ú^! • [] É^æ•	Þ^ { à^! [~ à^æ@
H È G	Þ^ç^!	È	GGÈ È	FI È
	Ø { ^!	GF€	GE Í È	FÈ
	Ø { ^!	FFÈGE	HÈFHÈ	GE
	Ø { ^!	NGE ^æ	È	È
I HÈ J	Þ^ç^!	È	GGÈ È	GGÈ
	Ø { ^!	GF€	GE Í È	GE
	Ø { ^!	FFÈGE	HÈFHÈ	HÈ
	Ø { ^!	NGE ^æ	FÈÍ JÈ	FÈ
í È Í	Þ^ç^!	È	G È Í GE	I È È
	Ø { ^!	GF€	FÈ Í Í È	Í È
	Ø { ^!	FFÈGE	GE HÈ	Í È
	Ø { ^!	NGE	GE€GE	I È
í í È I	Þ^ç^!	È	G È Í GE	í ÈÈ
	Ø { ^!	GF€	FÈ Í Í È	JÈ
	Ø { ^!	FFÈGE	GE HÈ	JÈ
	Ø { ^!	NGE	GE€GE	Í È
î í È I	Þ^ç^!	È	G È Í JÈ	FÍ FÈÈ
	Ø { ^!	GF€	FÈ Í GE	FÍ È
	Ø { ^!	FFÈGE	GE é È	GFÈ
	Ø { ^!	NGE	GE FÈÈ	GEÈ
ì í È	Þ^ç^!	È	FGÈ Í È	GJ ÈÈ
	Ø { ^!	GF€	HJ ÈÈ	FÍ ÈÈ
	Ø { ^!	FFÈGE	Í GGÈÈ	GHÈÈ
	Ø { ^!	NGE	ì í GEÈÈ	G ÈÈÈ

Ú^! • [] É^æ• æ á à^æ@ [| çææ^ à à^ç^ ^^ } æ^ ææ^ [| à • H È G æ á | HÈ JÈY ^ æ • æ } ^ à æ | ç æ^ ææ^ [| ^ | HÈ J à^ææ • ^
 ^, H È G ^æ [| á , [{ ^ } , @] ææ^ ~ æ { | { [| ^ @æ GE^ææÈ

Væh|[^] ÓFI KCE[^]É] ^&ææ] [^]·{ } É[^]æ· æ á á[^]æ@ æ } [^]ç[^]·{ [\ [^]· æ á & [^]·{ } c·{ [\ [^]· à[^] æ[^]Éá[^] | ææ } [~·{ [\ æ[^] * and á[^] | ææ } [~[^] ææ[^] * æææ[^] á[^] æ[^] æ á[^] ·{ [\ æ[^] * &ææ[^] [| æ·É[^] } | á[^] | &ææ[^] [| æ· [{ ææ[^] á[^] É[^] àæ[^] á[^] } áæææ- | , [{ [^] } , @] æææææ[^] á[^] æ @ Sææ[^] á[^] É[^]·{ } æ[^] } ç[^] SÚD& @ | c·c á[^]

CE [^] Ç [^] æ·D	Óæ [^] æ [^] ·{ [\ æ [^] * ·ææ·	Ý [^] æ· ·{ [\ á	Ý [^] æ· ·{ [\ á	Ú [^] ·{ } É [^] æ·	Þ [^] ·{ à [^] [~ á [^] æ@
H É G	Þ [^] ç [^] ·	É	É	GGÉ I É	FI É
	Ó [^] ·{ } c	FFÉ	É	É	É
	Ø { [^] }		GÉÉ	FÉH HÉH	ÉÉ
	Ø { [^] }		FFÉÉ	HÉF HÉ	GÉ
	Ø { [^] }		NGÉ	É	É
	Ó [^] ·{ } c	FFÉ	É	I É FÉ	HÉG
	Ø { [^] }	FJ		FÉH HÉH	FÉ
	Ø { [^] }		GÉÉ	É	É
	Ø { [^] }		FF-GE	É	É
	Ø { [^] }		NGÉ	É	É
	Ó [^] ·{ } c	GEÉ	É	I É FÉ	FFÉG
	Ø { [^] }	GJ		É	É
Ø { [^] }		GFE	É	É	
Ø { [^] }		FF-GE	É	É	
Ø { [^] }		NGÉ	É	É	
Ó [^] ·{ } c	HE	É	É	É	
Ø { [^] }	HJ		É	É	
Ø { [^] }		GFE	É	É	
Ø { [^] }		FF-GE	É	É	
Ø { [^] }		NGÉ	É	É	
I HÉ J	Þ [^] ç [^] ·	É	É	GGÉ I É	GGG
	Ó [^] ·{ } c	FFÉ	É	É	É
	Ø { [^] }		GÉÉ	FÉH HÉH	FÉ
	Ø { [^] }		FFÉÉ	HÉF HÉ	HÉ
	Ø { [^] }		NGÉ	FÉJ JÉ	FÉ
	Ó [^] ·{ } c	FFÉ	É	I É FÉ	I É
	Ø { [^] }	FJ		FÉH HÉH	FÉ
	Ø { [^] }		GÉÉ	É	É
	Ø { [^] }		FF-GE	É	É
	Ø { [^] }		NGÉ	É	É
	Ó [^] ·{ } c	GEÉ	É	I É FÉ	FÉ
	Ø { [^] }	GJ		É	É
Ø { [^] }		GFE	É	É	
Ø { [^] }		FF-GE	É	É	
Ø { [^] }		NGÉ	É	É	
Ó [^] ·{ } c	HE	É	É	É	
Ø { [^] }	HJ		É	É	
Ø { [^] }		GFE	É	É	
Ø { [^] }		FF-GE	É	É	
Ø { [^] }		NGÉ	É	É	

æÓi[··á[[^] c&ææ[^] [| æ· , [^]·{ }] [c[^]·[^]á æ æ][^] c·{ } @ OUT É

Væ| ^ ÓFI &} dKCE^É] ^&ãã] ^{ } É^æ• æ á á^æ@ ã } ^ç^| •{ [\^| • æ á &''^} c•{ [\^| • à^ æ^É á^|æã } [~•{ [\ ã * and á^|æã } [~^~ æã * Çãã^á æ^ æ á •{ [\ ã * &æ^* [|ã •É^ } |ã^| &æ^* [|ã • [{ æ^á^Éæ^á [] áææ-| , [{ ^ } , @] æãã æ^á ã @ Sæ^|É| |{ æ^ } ç \$UD&| @|c•c^á

CE^ Ç^æ•D	Óãæ^ç •{ [\ ã * •æ^ •	Ý^æ• •{ [\^á	Ý^æ• ~^æ	Ú^ •{ } É^æ•	Þ^ { à^ [~ á^æ@
í ðí í	Þ^ç^	É	É	G É í GÉ €	í ðí
	Ó^ ^}c	FFÉ	É	É	É
	Ø { ^		GFE	É	É
	Ø { ^		FFGE	É	É
	Ø { ^		NGE	É	É
	Ó^ ^}c	FFÉ FJ	É	GÉ í É	í ðí
	Ø { ^		GFE	É	É
	Ø { ^		FFÉGE	FÉí í É	GÉ
	Ø { ^		NGE	GÉGEÉ	í É
	Ó^ ^}c	GÉÉ GJ	É	í ðí í É	GÉ
	Ø { ^		GFE	JHí É	GÉ
	Ø { ^		FFÉGE	FÉí í É	HÉ
	Ø { ^		NGE	É	É
	Ó^ ^}c	HÉÉ HU	É	HÉ G É	FHÉ
	Ø { ^		GFE	JHí É	HÉ
	Ø { ^		FFGE	É	É
	Ø { ^		NGE	É	É
	Ó^ ^}c	LÉÉ	É	É	É
	Ø { ^		GFE	É	É
	Ø { ^		FFGE	É	É
	Ø { ^		NGE	É	É
í ðí	Þ^ç^	É	É	G É í GÉ €	í ðí
	Ó^ ^}c	FFÉ	É	É	É
	Ø { ^		GFE	É	É
	Ø { ^		FFGE	É	É
	Ø { ^		NGE	É	É
	Ó^ ^}c	FFÉ FJ	É	É	É
	Ø { ^		GFE	É	É
	Ø { ^		FFÉGE	FÉí í É	HÉ
	Ø { ^		NGE	GÉGEÉ	í É
	Ó^ ^}c	GÉÉ GJ	É	É	É
	Ø { ^		GFE	JHí É	HÉ
	Ø { ^		FFÉGE	FÉí í É	í É
	Ø { ^		NGE	É	É

æÓ| ••^á [~c&æ^* [|ã • , ^|^] [c^•^á æ ã] ~ç^| ç @ ÖUT É

Væb^ ÓFI &} dKCE^É] ^&æ&]^i•[]É^æ• æá á^æ@ ð }^ç^i •{ [\^i • æá &^i^i }c•{ [\^i • à^ æ^É á^iææ] [~•{ [\ð * and á^iææ] [~^~ ææ * Çææ^á æ^ æá •{ [\ð * &æ^* [iã•É~} |ã^i^ &æ^* [iã• [{ æ^á^Éæ^á [] áææ-|, [{ ^ } , @] ææææ æ^á ð @ Sææ^iÉi^i { æ^ } ç SÚD& @|c•c^á

CE^ Ç^æ•D	Óææ^ç •{ [\ð * •ææ •	Y^æ• •{ [\^á	Y^æ• ~^ æ	Ú^i•[]É^æ•	Þ^ { à^i [~ á^æ@
ÍÍÉ	Ó^i^i)c	FF FJ	É	É	É
	Ø { ^i		GFE	É	É
	Ø { ^i		FF-GE	É	É
	Ø { ^i		NGE	É	É
Ó^i^i)c	Ó^i^i)c	GEÉJ	É	É	É
	Ø { ^i		GFE	É	É
	Ø { ^i		FF-GE	É	É
	Ø { ^i		NGE	É	É
Ó^i^i)c	Ó^i^i)c	HEÉU	É	HÍÍÉ	FEÉ
	Ø { ^i		GFE	É	É
	Ø { ^i		FFÉGE	HÍ FÉ	JÉ
	Ø { ^i		NGE	ÍÍ GÉ	GÍ É
Ó^i^i)c	Ó^i^i)c	IÉÉ	É	IHEÉ	HEÉ
	Ø { ^i		GFE	HUI É	FÍ É
	Ø { ^i		FFÉGE	HÍ FÉ	FHÉ
	Ø { ^i		NGE	É	É

æÓ: [••á [~c&æ^* [iã• , ^i^i] [c^•^á æ ð] ~c-| @ ÓÚÉ

Ø||, É] ð @ SÚ & @|c•c^á , æ •@|c^æá á æ^É] ^&æ& { [|ææ^i æ• , ^i^i [, & {] æ^á ð æ^É •] ^&æ& { [|ææ^i æ• ^i [|c^á à^ @ WÚ Ó^i^i] •-| GEÉÉ ÉV [ææb •c-| @ É , ^ &æ&^æ^á @ |ææ [~ @ WÚ æá SÚÉæ^á { [|ææ^i æ• ð ^ææ@æ^ &æ^* [i^ Ç Table B15ÉY ææ^æ@æ^ &æ^* [i^É , ^ ð æææ^ { ~|ç |ã^á æ^ •{ [\ð * É] ^&æ&^áæ@ à^ @ |^• |ç * ææ|ÉP [, ^ç^iÉ@ à^c { [á^i &ææ^iææ] } ÇÉÉ@ à^cæ] | | çæ ææ] [~] [~ |ææ] |ã^ ææ^ çæ^ ^•D , æ ææ@ç^á -| |ææ • [~WÚ { [|ææ^i æ• Ç | SÚ &æ^* [iã•Dç SÚÉæ^á { [|ææ^i æ• [~FÉ -| @ -á•cæ^ &æ^* [i^ æá GÉ -| @ |^i ææ ð * H æ^ &æ^* [iã•ÉÚ ð • [] { [á^i -æ , æ ^ç&^i^i } çæ^á [] @ •^ ææb •ç ^ } c-æç | •É Çç@ ~ * @c@ •^ |ææ • æ^ |ã^ @^ áã^i^i } c-| { @ |^• |ç • @ , } ð Table B15É@^ , ^i^i •^á ð &æ&^æ^ @ çæ^ ^• ð Table B16É

ⁱ |ææ^iææ , Éæ&^~} dã•Éi^i^i •&^GJ^áæ@ æá á^æ@ |ææ^iææ^i^i æ^É

Vaa^ ÓFÍ KWÚ ð à SÚÈæ^à æ^È] ^&ä& { [|câc |æ^• ð à c@ã |æq

WÚ		SÚ		WÚ æ^• † SÚ æ^ ^ &æ^* ã•		Úæq [~WÚ { [câc æ^•
OE^ T [câc æ^ Q^! FEEÈÈÈÈÈ	OE^ T [câc æ^ Q^! FEEÈÈÈÈÈ	OE^ T [câc æ^ Q^! FEEÈÈÈÈÈ	OE^ T [câc æ^ Q^! FEEÈÈÈÈÈ	OE^ T [câc æ^ Q^! FEEÈÈÈÈÈ	OE^ T [câc æ^ Q^! FEEÈÈÈÈÈ	Q^! SÚ &æ^* ã• Dq SÚÈæ^à { [câc æ^•
G È	FFI È	H È J	FEÈ	H È J	G Í Èæ	GÈ
I Í È	Í H È	Í È	HFÈÈ	Í È	Í Í ÈÈ	GÈ
Í Í É	I Í G È	Í Í È	Ì Í ÈÈ	Í Í È	G HFÈÈ*	GÈ
		Í Í É	G FÍ È	Í Í É	I Í G È °	FÈ

SÚ æ^ ^ &æ^ |ã• H È J [ç^! |æ^• , æ@WÚ æ^ ^ &æ^* |ã• G È | ð à I Í È | L, ^~•^à c@ , ^ã @ã æ^!æ^ ^ [~WÚ { [|câc |æ^• FFI È ð à Í H È , æ@, ^ã @] [] [|câc |æ^•) ð ç c@ ç ^ [~ç^! |æ^ È

à SÚ æ^ ^ &æ^* |ã• Í È | à [^•] [ç^! & ç^! æ^ ^ Í È J È , @^! { [|câc |æ^• æ^ | [, ^! L, ^ã & ^æ^ à c@ WÚ { [|câc |æ^ [~538.5 by ≈20%È

WÚ &æ^ |ã• Í Í É ç^! & ç^! æ^ ^ ^! • [] [ç^! c@] Í , æ@æ@ { [|câc |æ^• L, ^~•^à Í È [~c@ WÚ { [|câc |æ^ [~Í Í G È Y ^~•^à c@ WÚ { [|câc |æ^ [~Í Í G È †| SÚ &æ^* |ã• Í Í É

05] ^} åæ ÔKT ^@å• W^å { | Û^} • ää ä Ç æ ^•^• { | @ Û^&[} åæ^ Pæ{ ~ | Viæ • ää } ± | æ | æ • ^q

If \hat{p} refers to transition probabilities representing illustrative example 1 and \hat{q} refers to transition probabilities representing illustrative example 2, then the probability of continued smoking in illustrative example 2 can be expressed as

$$\hat{q}(\text{continued smoking}) = \hat{p}(\text{continued smoking}) + \hat{p}(\text{smoking cessation}) \times \hat{q}(\text{diversion from quitting}) \times \hat{q}(\text{relapse})$$

Using the transition probabilities from illustrative example 1,

$$\hat{q}(\text{continued smoking}) = 0.9 + 0.1 \times 0.4 \times 0.5 = 0.92$$

Therefore, there are $100,000 \times 0.92 = 92,000$ potential continuing smokers and $100,000 \times 0.08 = 8,000$ potential smoking quitters in age category 2. To match the results in illustrative example 1, the 8,000 potential smoking quitters must be divided into 6000 former smokers and 2,000 MRTTP users. This can be accomplished by choosing $\hat{q}(\text{diversion from quitting})$ such that

$$8,000 \times \hat{q}(\text{diversion from quitting}) = 2,000$$

or,

$$\hat{q}(\text{diversion from quitting}) = \frac{2,000}{8,000} = 0.25$$

More generally,

$$\hat{q}(\text{smoking cessation}) \times \hat{q}(\text{diversion from quitting}) = \hat{p}(\text{smoking cessation}) \times \hat{q}(\text{diversion from quitting}) \times (1 - \hat{q}(\text{relapse}))$$

which can be rewritten as

$$\hat{q}(\text{diversion from quitting}) = \frac{1}{\hat{p}(\text{smoking cessation})} \times [\hat{p}(\text{smoking cessation}) \times \hat{q}(\text{diversion from quitting}) \times (1 - \hat{q}(\text{relapse}))]$$

Using the hypothetical transition probabilities defined above,

$$\hat{q}(\text{diversion from quitting}) = \frac{1}{0.08} \times [0.1 \times 0.4 \times 0.5] = 0.25$$

Therefore, there are $100,000 \times 0.08 \times 0.25 = 2,000$ MRTTP users (and 6,000 former smokers) at the end of age category 2. This matches the results in illustrative example 1.

Similarly, to match the results in illustrative example 1, the 92,000 potential continuing smokers must be divided into 65,000 continuing smokers and 27,000 MRTTP users. This can be accomplished by choosing $\hat{q}(\text{switching})$ such that

$$92,000 \times \hat{q}(\text{switching}) = 27,000$$

or,

$$\hat{q}(\text{switching}) = \frac{27,000}{92,000} \approx 0.2935$$

More generally,

$$\hat{(continued\ smoking)} \times \hat{('switching')} = (continued\ smoking) \times ('switching')$$

which can be rewritten as

$$\hat{('switching')} = \frac{1}{\hat{(continued\ smoking)}} \times [(continued\ smoking) \times ('switching')]$$

Using the hypothetical transition probabilities defined above,

$$\hat{('switching')} = \frac{1}{0.92} \times [0.9 \times 0.3] \approx 0.2935$$

Therefore, there are $100,000 \times 0.92 \times 0.2935 \approx 27,000$ MRTP users (and 65,000 continuing smokers) at the end of age category 2. This matches the results in illustrative example 1.

At the end of age category 3, of the $65,000 \times 0.92 = 59,800$ potential continuing smokers, 70.65% ($\approx 42,250$) continue to smoke but 29.35% ($\approx 17,550$) switch to MRTP use. Of the $65,000 \times 0.08 = 5,200$ potential smoking quitters, 75% (3,900) quit smoking and 25% (1,300) switch to MRTP use. This matches the results in illustrative example 1.

Using the approach in the DPM(+1)

Transition probabilities for continued smoking, 'switching' and 'diversion from quitting' were calculated based on the formulas derived above under the assumption of 50% 'relapse'² ([Table C2](#)). The resulting transition probabilities were used to estimate the effect of 50% 'relapse' on the number of survivors at the end of age category 68-72 years for the 'master model', the 'master model' without 'alternative initiation', the model containing only 'diversion from quitting' and the tipping point analysis for the 'master model' without 'alternative initiation'. The results are shown in [Tables C3-C6](#) and are interpreted below.³

For the 'master model' (no 'relapse'), for an ERR of 0.08, there were 684,690 survivors in the counterfactual scenario at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 683,939 (a difference of 751 survivors). Consequently, 50% 'relapse' decreased the survival benefit of the 'master model' from 6,196 to 5,445 additional survivors ([Table C3](#)).

For an ERR of 0.11, there were 684,245 survivors in the counterfactual scenario of the 'master model' at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 683,529 (a difference of 716 survivors). Consequently, 50% 'relapse' decreased the survival benefit of the 'master model' from 5,751 to 5,035 additional survivors ([Table C3](#)).

For the 'master model' without 'alternative initiation' (no relapse), for an ERR of 0.08, there were 684,672 survivors in the counterfactual scenario at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 683,917 (a difference of 755 survivors). Consequently, 50% 'relapse' decreased the survival benefit of the 'master model' without 'alternative initiation' from 6,177 to 5,422 additional survivors ([Table C4](#)).

² 'Relapse' occurs in the same age category as 'diversion from quitting'

³ The numbers of survivors are shown for all age categories in [Tables E_C3-E_C6](#) in [Appendix E](#). Results for LE and QALE are available upon request.

For an ERR of 0.11, there were 684,231 survivors in the counterfactual scenario of the 'master model' without 'alternative initiation' at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 683,511 (a difference of 720 survivors). Consequently, 50% 'relapse' decreased the survival benefit of the 'master model' without 'alternative initiation' from 5,737 to 5,017 ([Table C4](#)).

For the model including only 'diversion from quitting' (no 'relapse'), for an ERR of 0.08, there were 678,260 survivors in the counterfactual scenario at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 677,360 (a difference of 900 survivors). Consequently, 50% 'relapse' increased the survival deficit of the model including only 'diversion from quitting' from 235 to 1,135 fewer survivors ([Table C5](#)).

For an ERR of 0.11, there were 678,176 survivors in the counterfactual scenario of the model including only 'diversion from quitting' at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 677,317 (a difference of 859 survivors). Consequently, 50% 'relapse' increased the survival deficit of the model including only 'diversion from quitting' from 318 to 1,177 fewer survivors ([Table C5](#)).

For the tipping point analysis for the 'master model' without 'alternative initiation' (no relapse), for an ERR of 0.08, the number of survivors in the counterfactual scenario at the end of age category 68-72 years ranged from 677,878 for 0% 'switching' to 680,252 for 1.5% 'switching'. After incorporating 50% 'relapse', the number of survivors ranged from 676,979 for 0% 'switching' to 679,420 for 1.5% 'switching' (differences of 899 and 832, respectively). Consequently, 50% 'relapse' increased the survival deficit for 0% 'switching' from 616 to 1,515 fewer survivors and decreased the survival benefit for 1.5% 'switching' from 1,758 to 926 additional survivors ([Table C6](#)). Higher proportions of switching were not investigated because the tipping point fell below 1.5%.

For an ERR of 0.11, the number of survivors in the counterfactual scenario of the 'master model' without alternative initiation ranged from 677,761 for 0% 'switching' to 680,026 for 1.5% 'switching'. After incorporating 50% 'relapse', the number of survivors ranged from 676,903 for 0% 'switching' to 679,233 for 1.5% 'switching' (differences of 858 and 793, respectively). Consequently, 50% 'relapse' increased the survival deficit for 0% 'switching' from 733 to 1,591 fewer survivors and decreased the survival benefit for 1.5% 'switching' from 1,532 to 739 additional survivors([Table C6](#)). Higher proportions of switching were not investigated because the tipping point fell below 1.5%.

Conclusions

We developed a method to estimate the effect of 'relapse'⁴ on 'net' population survival by comparing two counterfactual scenarios. We used this approach to estimate the effect of 50% 'relapse' in four models, the 'master model', the 'master model' without 'alternative initiation', the model containing only 'diversion from quitting' and the tipping point analysis for the 'master model' without 'alternative initiation'. 'Relapse' was modeled by treating those base case smoking quitters who switched to MRTP use in the counterfactual scenario and relapsed to smoking within the same age category as never having quit smoking. Because two different counterfactual scenarios were compared, no variability estimates were calculated.

⁴ 'In the same age category as 'diversion from quitting'

Table C1: Number of current and former smokers and number of MRTP users in Illustrative Example 1

Age category	Current smokers	MRTP users (base case smokers)	Former smokers	MRTP users (base case quitters)	MRTP users who 'relapse' (base case quitters)
1	100,000				
2	$100,000 \times p(\text{continued smoking}) \times (1-p(\text{'switching'}))$ $= 100,000 \times 0.9 \times 0.7$ $= 63,000$	$100,000 \times p(\text{continued smoking}) \times p(\text{'switching'})$ $= 100,000 \times 0.9 \times 0.3$ $= 27,000$	$100,000 \times 1-p(\text{continued smoking}) \times 1-p(\text{'diversion from quitting'})$ $= 100,000 \times 0.1 \times 0.6$ $= 6,000$	$100,000 \times 1-p(\text{continued smoking}) \times p(\text{'diversion from quitting'}) \times 1-p(\text{'relapse'})$ $= 100,000 \times 0.1 \times 0.4 \times 0.5$ $= 2,000$	$100,000 \times 1-p(\text{continued smoking}) \times p(\text{'diversion from quitting'}) \times p(\text{'relapse'})$ $= 100,000 \times 0.1 \times 0.4 \times 0.5$ $= 2,000$
3	$(63,000+2,000) \times 0.9 \times 0.7$ $= 40,950$	$(63,000+2,000) \times 0.9 \times 0.3$ $= 17,550$	$(63,000+2,000) \times 0.1 \times 0.6$ $= 3,900$	$(63,000+2,000) \times 0.1 \times 0.4 \times 0.5 = 1,300$	$(63,000+2,000) \times 0.1 \times 0.4 \times 0.5 = 1,300$

Table C2: Transition probabilities for continued smoking, 'switching' and 'diversion from quitting' used in the 'master model' (with and without 'alternative initiation'), the model containing only 'diversion from quitting' and the tipping point analysis for the 'master model' without 'alternative initiation' and corresponding adjusted transition probabilities under the assumption of 50% 'relapse'⁵

Age	Original transition probabilities			Adjusted transition probabilities ^a		
	(continued smoking)	('switching')	('diversion from quitting')	$\hat{\pi}$ (continued smoking)	$\hat{\pi}$ ('switching')	$\hat{\pi}$ ('diversion from quitting')
13-17	-	-	-	-	-	-
18-22	0.91	0.083	0.200	0.919	0.0822	0.111
23-27	0.905	0.055	0.086	0.909	0.0548	0.045
28-32	0.86	0.044	0.065	0.865	0.0438	0.034
33-37	0.86	0.037	0.045	0.863	0.0369	0.023
38-42	0.86	0.024	0.074	0.865	0.0239	0.038
43-47	0.86	0.028	0.054	0.864	0.0279	0.028
48-52	0.86	0.023	0.055	0.864	0.0229	0.028
53-57	0.86	0.011	0.029	0.862	0.0110	0.015
58-62	0.86	0.013	0.018	0.861	0.0130	0.009
63-67	0.86	0.012	0.021	0.861	0.0120	0.011
68-72	0.86	0.008	0.021	0.861	0.0080	0.011
73+	0.86	0.008	0.021	0.861	0.0080	0.011

^a Using the formulas for $\hat{\pi}$ (continued smoking), $\hat{\pi}$ ('switching') and $\hat{\pi}$ ('diversion from quitting') developed in Illustrative Example 2

⁵ 'Relapse' occurs in the same age category as 'diversion from quitting'

Table C3: Difference in survivors, 'master model' (no 'relapse') versus 'master model' with 50% 'relapse'

ERR	Mean number of survivors, counterfactual		Mean difference in survivors, two counterfactuals	Mean difference in survivors, Counterfactual ^a – base case ^b	Mean difference in survivors ^c , Counterfactual ^d – base case ^e
	No 'relapse'	50% 'relapse'			
0.08	684,690	683,939	751	6,196	5,445
0.11	684,245	683,529	716	5,751	5,035

^a Counterfactual scenario with no 'relapse'

^b Base case with no 'relapse'

^c Identical to the difference between 'Mean difference in survivors, counterfactual – base case' and 'Mean difference in survivors, two counterfactuals'

^d Counterfactual scenario with 50% 'relapse'

^e Base case with no 'relapse'; base case with 50% 'relapse' must be ignored

Table C4: Difference in survivors, 'master model' without 'alternative initiation' (no 'relapse') versus 'master model' without 'alternative initiation' with 50% 'relapse'

ERR	Mean number of survivors, counterfactual		Mean difference in survivors, two counterfactuals	Mean difference in survivors, Counterfactual ^a – base case ^b	Mean difference in survivors ^c , Counterfactual ^d – base case ^e
	No 'relapse'	50% 'relapse'			
0.08	684,672	683,917	755	6,177	5,422
0.11	684,231	683,511	720	5,737	5,017

^a Counterfactual scenario with no 'relapse'

^b Base case with no 'relapse'

^c Identical to the difference between 'Mean difference in survivors, counterfactual – base case' and 'Mean difference in survivors, two counterfactuals'

^d Counterfactual scenario with 50% 'relapse'

^e Base case with no 'relapse'; base case with 50% 'relapse' must be ignored

Table C5: Difference in survivors, model containing 'diversion from quitting' (no 'relapse') versus model containing 'diversion from quitting' with 50% 'relapse'

ERR	Mean number of survivors, counterfactual		Mean difference in survivors, two counterfactuals	Mean difference in survivors, Counterfactual ^a – base case ^b	Mean difference in survivors ^c , Counterfactual ^d – base case ^e
	No 'relapse'	50% 'relapse'			
0.08	678,260	677,360	900	-235	-1,135
0.11	678,176	677,317	859	-318	-1,177

^a Counterfactual scenario with no 'relapse'

^b Base case with no 'relapse'

^c Identical to the difference between 'Mean difference in survivors, counterfactual – base case' and 'Mean difference in survivors, two counterfactuals'

^d Counterfactual scenario with 50% 'relapse'

^e Base case with no 'relapse'; base case with 50% 'relapse' must be ignored

Table C6: Difference in survivors, tipping point analysis for 'master model' without 'alternative initiation' (no 'relapse') versus tipping point analysis for 'master model' without 'alternative initiation' with 50% 'relapse'

ERR	Switching (%) ^a	Mean number of survivors, counterfactual		Mean difference in survivors, two counterfactuals	Mean difference in survivors, Counterfactual ^b – base case ^c	Mean difference in survivors ^d , Counterfactual ^e – base case ^f
		No 'relapse'	50% 'relapse'			
0.08	0.0	677,878	676,979	899	-616	-1,515
	0.5	678,687	677,811	876	193	-683
	1.0	679,478	678,624	854	984	130
	1.5	680,252	679,420	832	1,758	926
0.11	0.0	677,761	676,903	858	-733	-1,591
	0.5	678,533	677,697	836	39	-797
	1.0	679,288	678,474	814	794	-20
	1.5	680,026	679,233	793	1,532	739

^a Replaces $(h) \approx \hat{(h)}$ in [Table C2](#)

^b Counterfactual scenario with no 'relapse'

^c Base case with no 'relapse'

^d Identical to the difference between 'Mean difference in survivors, counterfactual¹ – base case²' and 'Mean difference in survivors, two counterfactuals'

^e Counterfactual scenario with 50% 'relapse'

^f Base case with no 'relapse'; base case with 50% 'relapse' must be ignored

Appendix D: Results from Life Expectancy (LE) and Quality-Adjusted Life Expectancy (QALE) Analyses

The choice of output measures (differences in numbers of survivors, LE or QALE) depends on the question being addressed by a given analysis. Specifically, the difference in the number of survivors under two exposure scenarios can be used as an estimate of the effect on population health. LE estimates can be used to plan for the delivery of health care, while QALE estimates provide a measure that approximates morbidity and is used by economists to choose between medical interventions competing for the same resources^{1 2 3 4}. Because the various output measures produced by the DPM(+1) are calculated from the same default output, i.e., the difference in the number of survivors, each provides a different view on the same information. Nevertheless, interpretation of the different measures requires additional attention, as a seemingly large magnitude difference in one measure (difference in survivors) may seem small when expressed another way (LE or QALE). The current analyses illustrate this issue, and the data presented here are comparable to other analyses of mortality and LE differences. For example, using U.S. data from 1995, Wagener et al. (2001) estimated that a (seemingly large) 5% reduction in age-specific mortality produced only about 0.5 additional years of LE⁵.

¹ Jia H, Lubetkin EI. The statewide burden of obesity, smoking, low income and chronic diseases in the United States. *JPublic Health (Oxf)*. 2009; 31(4): 496-505. doi: fdp012 [pii];10.1093/pubmed/fdp012 [doi].

² Jia H, Zack MM, Thompson WW. State Quality-Adjusted Life Expectancy for U.S. adults from 1993 to 2008. *QualLife Res*. 2011; 20(6): 853-63. doi: 10.1007/s11136-010-9826-y [doi].

³ Weinstein MC, Torrance G, McGuire A. QALYs: the basics. *ValueHealth*. 2009;12 (Suppl 1): S5-S9. doi: VHE515 [pii];10.1111/j.1524-4733.2009.00515.x [doi].

⁴ Feenstra T, van Baal P, Hoogenveen R, Vijgen S, Stolk E, Bemelmans W. Cost-effectiveness of interventions to reduce tobacco smoking in the netherlands. An application of the RIVM Chronic Disease Model. BA Bilthoven: 2005. Report No.: RIVM report 260601003.

⁵ Wagener DK, Molla MT, Crimmins EM, Pamuk E, Madans JH. Summary measures of population health: addressing the first goal of healthy people 2010, improving health expectancy. *Healthy People 2010 StatNotes*. 2001; (22): 1-13.

Table D3.1: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of ‘additional initiation’ with ‘delayed smoking’, ‘alternative initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’ (‘master model’)

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.208	0.181	0.235	58.284	58.156	58.413	58.492	58.379	58.605	0.192	0.167	0.217	58.284	58.156	58.413	58.476	58.363	58.589
QALE	0.149	0.130	0.169	45.744	45.650	45.837	45.893	45.811	45.974	0.138	0.120	0.156	45.744	45.650	45.837	45.882	45.799	45.963

Table D3.1_2: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of ‘additional initiation’ with ‘delayed smoking’, ‘alternative initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’; probabilities for all primary beneficial and harmful transitions reduced by 75%, while probabilities for secondary harmful transitions retained at 100%

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.055	0.048	0.062	58.284	58.156	58.413	58.339	58.216	58.462	0.051	0.044	0.057	58.284	58.156	58.413	58.335	58.211	58.458
QALE	0.039	0.034	0.045	45.744	45.650	45.837	45.783	45.693	45.873	0.036	0.032	0.041	45.744	45.650	45.837	45.780	45.690	45.870

Table D3.1_3: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of ‘additional initiation’ with ‘delayed smoking’, ‘alternative initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’, using different ERRs

	ERR=0.1									ERR=0.2								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.197	0.171	0.223	58.284	58.156	58.413	58.481	58.368	58.594	0.143	0.123	0.164	58.284	58.156	58.413	58.427	58.312	58.543
QALE	0.142	0.123	0.161	45.744	45.650	45.837	45.885	45.803	45.967	0.103	0.089	0.119	45.744	45.650	45.837	45.847	45.763	45.931

Table D3.1_3, cont: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking', using different ERRs

	ERR=0.3									ERR=0.4								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.089	0.074	0.105	58.284	58.156	58.413	58.373	58.256	58.491	0.036	0.024	0.048	58.284	58.156	58.413	58.320	58.200	58.441
QALE	0.065	0.054	0.077	45.744	45.650	45.837	45.809	45.723	45.895	0.027	0.019	0.036	45.744	45.650	45.837	45.771	45.683	45.859

Table D3.1_3, cont: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking', using different ERRs

	ERR=0.5									ERR=0.6								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.017	-0.027	-0.007	58.284	58.156	58.413	58.267	58.145	58.392	-0.069	-0.080	-0.058	58.284	58.156	58.413	58.215	58.089	58.343
QALE	-0.010	-0.017	-0.003	45.744	45.650	45.837	45.733	45.643	45.824	-0.048	-0.055	-0.040	45.744	45.650	45.837	45.696	45.604	45.789

Table D3.1_3, cont: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking', using different ERRs

	ERR=0.7									ERR=0.8								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.119	-0.134	-0.106	58.284	58.156	58.413	58.165	58.035	58.295	-0.169	-0.187	-0.152	58.284	58.156	58.413	58.115	57.982	58.249
QALE	-0.084	-0.094	-0.075	45.744	45.650	45.837	45.660	45.565	45.755	-0.120	-0.132	-0.107	45.744	45.650	45.837	45.624	45.527	45.722

Table D3.1_3, cont: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking', using different ERRs

	ERR=0.9									ERR=1.0								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.217	-0.239	-0.196	58.284	58.156	58.413	58.067	57.929	58.204	-0.264	-0.290	-0.238	58.284	58.156	58.413	58.020	57.879	58.161
QALE	-0.154	-0.170	-0.139	45.744	45.650	45.837	45.589	45.490	45.690	-0.188	-0.207	-0.170	45.744	45.650	45.837	45.555	45.453	45.659

Table D3.2: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'additional initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.208	0.181	0.235	58.284	58.156	58.413	58.492	58.379	58.604	0.191	0.166	0.217	58.284	58.156	58.413	58.476	58.362	58.589
QALE	0.149	0.130	0.169	45.744	45.650	45.837	45.893	45.811	45.974	0.138	0.120	0.156	45.744	45.650	45.837	45.881	45.799	45.963

Table D3.3: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'additional initiation', 'diversion from quitting', and 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.406	0.356	0.456	58.284	58.156	58.413	58.690	58.586	58.792	0.378	0.332	0.426	58.284	58.156	58.413	58.663	58.558	58.765
QALE	0.292	0.256	0.328	45.744	45.650	45.837	46.035	45.960	46.11	0.272	0.239	0.306	45.744	45.650	45.837	46.016	45.941	46.091

Table D3.4: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

0% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.019	-0.020	-0.018	58.284	58.156	58.413	58.265	58.137	58.394	-0.023	-0.025	-0.022	58.284	58.156	58.413	58.261	58.133	58.389
QALE	-0.014	-0.015	-0.013	45.744	45.650	45.837	45.730	45.636	45.824	-0.017	-0.018	-0.016	45.744	45.650	45.837	45.727	45.633	45.821

Table D3.4, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

0.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.007	0.004	0.010	58.284	58.156	58.413	58.291	58.166	58.418	0.002	-0.001	0.005	58.284	58.156	58.413	58.286	58.160	58.412
QALE	0.005	0.003	0.007	45.744	45.650	45.837	45.749	45.656	45.841	0.001	-0.001	0.003	45.744	45.650	45.837	45.745	45.652	45.837

Table D3.4, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

1% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.033	0.027	0.039	58.284	58.156	58.413	58.317	58.193	58.441	0.026	0.021	0.032	58.284	58.156	58.413	58.31	58.186	58.434
QALE	0.023	0.019	0.028	45.744	45.650	45.837	45.767	45.677	45.858	0.019	0.015	0.023	45.744	45.650	45.837	45.762	45.671	45.853

Table D3.4, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

1.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.058	0.049	0.067	58.284	58.156	58.413	58.342	58.220	58.464	0.050	0.042	0.059	58.284	58.156	58.413	58.334	58.212	58.456
QALE	0.041	0.035	0.048	45.744	45.650	45.837	45.785	45.696	45.875	0.036	0.030	0.042	45.744	45.650	45.837	45.779	45.690	45.869

Table D3.4, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

2% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.083	0.071	0.095	58.284	58.156	58.413	58.367	58.247	58.487	0.073	0.062	0.085	58.284	58.156	58.413	58.357	58.237	58.478
QALE	0.059	0.051	0.068	45.744	45.650	45.837	45.803	45.715	45.890	0.052	0.044	0.061	45.744	45.65	45.837	45.796	45.708	45.884

Table D3.4, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

2.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.107	0.092	0.122	58.284	58.156	58.413	58.391	58.273	58.510	0.096	0.082	0.111	58.284	58.156	58.413	58.380	58.262	58.500
QALE	0.076	0.066	0.087	45.744	45.650	45.837	45.820	45.734	45.906	0.069	0.059	0.079	45.744	45.650	45.837	45.812	45.726	45.899

Table D3.4, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

3% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.130	0.113	0.149	58.284	58.156	58.413	58.415	58.298	58.532	0.119	0.102	0.136	58.284	58.156	58.413	58.403	58.286	58.521
QALE	0.093	0.081	0.106	45.744	45.650	45.837	45.837	45.752	45.922	0.085	0.073	0.097	45.744	45.650	45.837	45.829	45.743	45.914

Table D3.4, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

3.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.154	0.133	0.175	58.284	58.156	58.413	58.438	58.322	58.553	0.141	0.122	0.160	58.284	58.156	58.413	58.425	58.309	58.541
QALE	0.110	0.095	0.125	45.744	45.65	45.837	45.853	45.769	45.937	0.101	0.087	0.115	45.744	45.650	45.837	45.844	45.760	45.929

Table D3.4, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of ‘switching’ versus ‘additional initiation’ with ‘gateway effect’ and ‘diversion from quitting’

4% ‘switching’

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.176	0.153	0.200	58.284	58.156	58.413	58.460	58.346	58.575	0.162	0.140	0.185	58.284	58.156	58.413	58.446	58.332	58.561
QALE	0.126	0.110	0.143	45.744	45.650	45.837	45.870	45.787	45.952	0.116	0.101	0.132	45.744	45.650	45.837	45.860	45.776	45.943

Table D3.5: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transition of ‘alternative initiation’

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.002	0.002	0.003	58.284	58.156	58.413	58.287	58.159	58.415	0.002	0.002	0.003	58.284	58.156	58.413	58.286	58.158	58.415
QALE	0.002	0.002	0.002	45.744	45.650	45.837	45.745	45.652	45.839	0.002	0.001	0.002	45.744	45.650	45.837	45.745	45.652	45.839

Table D3.6: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transition of ‘switching’

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.418	0.368	0.468	58.284	58.156	58.413	58.702	58.599	58.804	0.395	0.348	0.443	58.284	58.156	58.413	58.679	58.575	58.782
QALE	0.301	0.265	0.337	45.744	45.650	45.837	46.044	45.970	46.118	0.284	0.250	0.319	45.744	45.650	45.837	46.028	45.953	46.103

Table D3.7: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transition of 'additional initiation'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.005	-0.005	-0.004	58.284	58.156	58.413	58.279	58.152	58.408	-0.007	-0.007	-0.006	58.284	58.156	58.413	58.278	58.150	58.406
QALE	-0.003	-0.004	-0.003	45.744	45.650	45.837	45.740	45.646	45.834	-0.005	-0.005	-0.004	45.744	45.650	45.837	45.739	45.645	45.833

Table D3.8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transition of 'diversion from quitting'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.009	-0.010	-0.008	58.284	58.156	58.413	58.275	58.147	58.404	-0.012	-0.014	-0.010	58.284	58.156	58.413	58.272	58.144	58.401
QALE	-0.006	-0.007	-0.005	45.744	45.650	45.837	45.737	45.644	45.832	-0.008	-0.010	-0.007	45.744	45.650	45.837	45.735	45.641	45.829

Table D3.9: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'additional initiation' and 'gateway effect'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.010	-0.011	-0.010	58.284	58.156	58.413	58.274	58.146	58.402	-0.011	-0.012	-0.011	58.284	58.156	58.413	58.273	58.145	58.401
QALE	-0.008	-0.008	-0.007	45.744	45.650	45.837	45.736	45.642	45.830	-0.008	-0.009	-0.008	45.744	45.650	45.837	45.735	45.641	45.829

Table D3.10: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'alternative initiation' and 'delayed smoking'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.001	0.001	0.002	58.284	58.156	58.413	58.286	58.158	58.414	0.001	0.001	0.002	58.284	58.156	58.413	58.285	58.158	58.414
QALE	0.001	0.001	0.001	45.744	45.650	45.837	45.745	45.651	45.838	0.001	0.001	0.001	45.744	45.650	45.837	45.745	45.651	45.838

Table D3.11: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' and 'resumed smoking'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.226	0.199	0.254	58.284	58.156	58.413	58.510	58.397	58.623	0.214	0.188	0.240	58.284	58.156	58.413	58.498	58.384	58.611
QALE	0.163	0.143	0.182	45.744	45.650	45.837	45.906	45.824	45.988	0.154	0.136	0.173	45.744	45.650	45.837	45.898	45.815	45.979

Table D3.12: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

0% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.125	-0.135	-0.114	58.284	58.156	58.413	58.159	58.037	58.281	-0.180	-0.192	-0.168	58.284	58.156	58.413	58.104	57.983	58.224
QALE	-0.089	-0.097	-0.081	45.744	45.650	45.837	45.654	45.565	45.743	-0.129	-0.137	-0.120	45.744	45.650	45.837	45.615	45.527	45.703

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

0.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.100	-0.113	-0.087	58.284	58.156	58.413	58.184	58.064	58.304	-0.156	-0.170	-0.142	58.284	58.156	58.413	58.128	58.008	58.247
QALE	-0.071	-0.080	-0.062	45.744	45.65	45.837	45.672	45.585	45.760	-0.112	-0.122	-0.102	45.744	45.650	45.837	45.632	45.545	45.719

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

1% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.076	-0.091	-0.060	58.284	58.156	58.413	58.208	58.090	58.326	-0.133	-0.149	-0.117	58.284	58.156	58.413	58.151	58.033	58.268
QALE	-0.054	-0.065	-0.043	45.744	45.650	45.837	45.690	45.604	45.776	-0.095	-0.107	-0.083	45.744	45.650	45.837	45.648	45.563	45.734

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

1.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.052	-	-0.034	58.284	58.156	58.413	58.232	58.116	58.348	-0.111	-0.129	-0.092	58.284	58.156	58.413	58.173	58.058	58.289
QALE	-0.037	0.050	-0.023	45.744	45.650	45.837	45.707	45.622	45.792	-0.079	-0.092	-0.065	45.744	45.650	45.837	45.665	45.580	45.749

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

2% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.029	-0.049	-0.008	58.284	58.156	58.413	58.256	58.141	58.37	-0.089	-0.110	-0.067	58.284	58.156	58.413	58.196	58.081	58.309
QALE	-0.020	-0.035	-0.005	45.744	45.650	45.837	45.724	45.640	45.807	-0.063	-0.078	-0.048	45.744	45.650	45.837	45.680	45.597	45.763

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

2.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.006	-0.029	0.018	58.284	58.156	58.413	58.278	58.164	58.391	-0.067	-0.090	-0.043	58.284	58.156	58.413	58.217	58.104	58.330
QALE	-0.004	-0.020	0.013	45.744	45.650	45.837	45.740	45.657	45.822	-0.048	-0.065	-0.030	45.744	45.650	45.837	45.696	45.614	45.778

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

3% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.017	-0.009	0.043	58.284	58.156	58.413	58.301	58.188	58.412	-0.046	-0.071	-0.019	58.284	58.156	58.413	58.238	58.126	58.349
QALE	0.012	-0.006	0.031	45.744	45.650	45.837	45.756	45.674	45.837	-0.032	-0.051	-0.014	45.744	45.650	45.837	45.711	45.630	45.792

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

3.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.039	0.011	0.067	58.284	58.156	58.413	58.323	58.212	58.433	-0.025	-0.053	0.004	58.284	58.156	58.413	58.259	58.148	58.369
QALE	0.028	0.008	0.049	45.744	45.650	45.837	45.772	45.691	45.851	-0.018	-0.038	0.003	45.744	45.650	45.837	45.726	45.645	45.806

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

4% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.060	0.030	0.091	58.284	58.156	58.413	58.344	58.234	58.453	-0.005	-0.035	0.0270	58.284	58.156	58.413	58.280	58.170	58.388
QALE	0.044	0.022	0.066	45.744	45.650	45.837	45.787	45.707	45.866	-0.003	-0.025	0.019	45.744	45.650	45.837	45.741	45.661	45.819

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

4.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.081	0.048	0.115	58.284	58.156	58.413	58.365	58.257	58.473	0.015	-0.017	0.049	58.284	58.156	58.413	58.299	58.191	58.407
QALE	0.059	0.035	0.083	45.744	45.650	45.837	45.802	45.723	45.880	0.011	-0.012	0.035	45.744	45.650	45.837	45.755	45.676	45.833

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.102	0.066	0.138	58.284	58.156	58.413	58.386	58.278	58.493	0.035	0.00	0.071	58.284	58.156	58.413	58.319	58.212	58.425
QALE	0.073	0.048	0.099	45.744	45.650	45.837	45.817	45.739	45.894	0.025	0.00	0.051	45.744	45.650	45.837	45.769	45.691	45.846

Table D3.12, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

5.5% 'switching'

	ERR=0.08								ERR=0.11									
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE				N/A						0.054	0.017	0.092	58.284	58.156	58.413	58.338	58.232	58.444
QALE										0.039	0.012	0.066	45.744	45.650	45.837	45.783	45.705	45.859

Table D3.13: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

0% 'switching'

	ERR=0.08								ERR=0.11									
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.102	-0.108	-0.096	58.284	58.156	58.413	58.182	58.057	58.307	-0.112	-0.118	-0.106	58.284	58.156	58.413	58.172	58.047	58.296
QALE	-0.075	-0.079	-0.071	45.744	45.650	45.837	45.669	45.578	45.760	-0.082	-0.087	-0.078	45.744	45.650	45.837	45.661	45.570	45.752

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

0.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.076	-0.084	-0.067	58.284	58.156	58.413	58.208	58.085	58.331	-0.088	-0.096	-0.079	58.284	58.156	58.413	58.197	58.074	58.319
QALE	-0.056	-0.062	-0.050	45.744	45.650	45.837	45.687	45.597	45.777	-0.065	-0.071	-0.059	45.744	45.650	45.837	45.679	45.589	45.769

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

1% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.050	-0.062	-0.039	58.284	58.156	58.413	58.234	58.113	58.355	-0.064	-0.075	-0.052	58.284	58.156	58.413	58.221	58.100	58.341
QALE	-0.038	-0.046	-0.030	45.744	45.650	45.837	45.705	45.617	45.794	-0.048	-0.056	-0.039	45.744	45.650	45.837	45.696	45.607	45.785

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

1.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.026	-	-0.0110	58.284	58.156	58.413	58.259	58.138	58.379	-0.040	-0.054	-0.026	58.284	58.156	58.413	58.244	58.124	58.364
QALE	-0.020	-	-0.010	45.744	45.650	45.837	45.723	45.636	45.810	-0.031	-0.041	-0.021	45.744	45.650	45.837	45.713	45.625	45.800

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

2% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.001	-0.018	0.016	58.284	58.156	58.413	58.283	58.165	58.401	-0.017	-0.033	0.000	58.284	58.156	58.413	58.267	58.149	58.386
QALE	-0.003	-0.015	0.009	45.744	45.650	45.837	45.741	45.655	45.827	-0.014	-0.026	-0.002	45.744	45.650	45.837	45.729	45.643	45.816

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

2.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.023	0.003	0.043	58.284	58.156	58.413	58.307	58.190	58.424	0.006	-0.013	0.025	58.284	58.156	58.413	58.290	58.173	58.407
QALE	0.014	0.000	0.028	45.744	45.650	45.837	45.758	45.673	45.842	0.002	-0.012	0.016	45.744	45.650	45.837	45.746	45.661	45.831

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

3% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.046	0.024	0.069	58.284	58.156	58.413	58.330	58.215	58.445	0.028	0.006	0.050	58.284	58.156	58.413	58.312	58.196	58.427
QALE	0.031	0.015	0.047	45.744	45.650	45.837	45.774	45.691	45.858	0.018	0.002	0.034	45.744	45.650	45.837	45.761	45.677	45.845

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

3.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.069	0.044	0.094	58.284	58.156	58.413	58.353	58.239	58.466	0.049	0.025	0.074	58.284	58.156	58.413	58.334	58.219	58.447
QALE	0.047	0.029	0.065	45.744	45.650	45.837	45.791	45.708	45.873	0.033	0.016	0.051	45.744	45.650	45.837	45.777	45.694	45.859

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

4% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.091	0.063	0.119	58.284	58.156	58.413	58.375	58.262	58.487	0.071	0.044	0.098	58.284	58.156	58.413	58.355	58.242	58.467
QALE	0.063	0.043	0.083	45.744	45.650	45.837	45.807	45.725	45.888	0.049	0.029	0.068	45.744	45.650	45.837	45.792	45.710	45.873

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

4.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.113	0.083	0.144	58.284	58.156	58.413	58.397	58.285	58.509	0.091	0.062	0.121	58.284	58.156	58.413	58.376	58.263	58.487
QALE	0.079	0.057	0.101	45.744	45.650	45.837	45.823	45.741	45.903	0.063	0.042	0.085	45.744	45.650	45.837	45.807	45.726	45.887

Table D3.13, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.135	0.102	0.168	58.284	58.156	58.413	58.419	58.307	58.529	0.112	0.080	0.144	58.284	58.156	58.413	58.396	58.285	58.506
QALE	0.094	0.071	0.118	45.744	45.650	45.837	45.838	45.758	45.917	0.078	0.055	0.101	45.744	45.650	45.837	45.822	45.741	45.901

Table D3.14: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

0% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.054	-0.061	-0.047	58.284	58.156	58.413	58.230	58.099	58.361	-0.073	-0.083	-0.064	58.284	58.156	58.413	58.211	58.079	58.343
QALE	-0.038	-0.043	-0.033	45.744	45.650	45.837	45.705	45.610	45.802	-0.052	-0.058	-0.045	45.744	45.650	45.837	45.692	45.595	45.789

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

0.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.027	-0.033	-0.022	58.284	58.156	58.413	58.257	58.128	58.386	-0.047	-0.055	-0.040	58.284	58.156	58.413	58.237	58.107	58.367
QALE	-0.019	-0.023	-0.016	45.744	45.650	45.837	45.725	45.631	45.819	-0.033	-0.039	-0.028	45.744	45.650	45.837	45.710	45.615	45.806

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 1% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.001	-0.006	0.004	58.284	58.156	58.413	58.283	58.157	58.410	-0.022	-0.029	-0.016	58.284	58.156	58.413	58.262	58.135	58.390
QALE	0.000	-0.004	0.003	45.744	45.650	45.837	45.743	45.651	45.836	-0.015	-0.020	-0.011	45.744	45.650	45.837	45.728	45.636	45.822

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 1.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.025	0.018	0.031	58.284	58.156	58.413	58.309	58.185	58.434	0.002	-0.004	0.009	58.284	58.156	58.413	58.286	58.162	58.413
QALE	0.018	0.014	0.023	45.744	45.650	45.837	45.762	45.671	45.853	0.003	-0.002	0.007	45.744	45.650	45.837	45.746	45.655	45.838

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 2% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.050	0.041	0.059	58.284	58.156	58.413	58.334	58.212	58.457	0.026	0.018	0.035	58.284	58.156	58.413	58.311	58.188	58.435
QALE	0.036	0.030	0.043	45.744	45.650	45.837	45.780	45.691	45.870	0.020	0.014	0.026	45.744	45.650	45.837	45.763	45.673	45.854

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 2.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.075	0.063	0.086	58.284	58.156	58.413	58.359	58.239	58.480	0.050	0.040	0.061	58.284	58.156	58.413	58.334	58.213	58.457
QALE	0.054	0.046	0.062	45.744	45.650	45.837	45.798	45.710	45.886	0.037	0.030	0.044	45.744	45.650	45.837	45.780	45.692	45.870

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 3% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.099	0.085	0.113	58.284	58.156	58.413	58.383	58.264	58.502	0.073	0.061	0.086	58.284	58.156	58.413	58.357	58.238	58.478
QALE	0.071	0.061	0.082	45.744	45.650	45.837	45.815	45.729	45.902	0.053	0.044	0.063	45.744	45.650	45.837	45.797	45.710	45.885

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 3.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.122	0.106	0.140	58.284	58.156	58.413	58.407	58.290	58.524	0.096	0.081	0.111	58.284	58.156	58.413	58.380	58.262	58.499
QALE	0.088	0.076	0.101	45.744	45.650	45.837	45.832	45.747	45.918	0.069	0.059	0.081	45.744	45.650	45.837	45.813	45.727	45.900

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 4% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.146	0.126	0.166	58.284	58.156	58.413	58.430	58.314	58.546	0.118	0.101	0.136	58.284	58.156	58.413	58.402	58.286	58.520
QALE	0.105	0.091	0.119	45.744	45.650	45.837	45.848	45.764	45.933	0.085	0.073	0.098	45.744	45.650	45.837	45.829	45.744	45.915

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 4.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.168	0.146	0.191	58.284	58.156	58.413	58.452	58.338	58.567	0.140	0.120	0.160	58.284	58.156	58.413	58.424	58.309	58.54
QALE	0.121	0.105	0.137	45.744	45.650	45.837	45.865	45.781	45.948	0.101	0.087	0.116	45.744	45.650	45.837	45.845	45.761	45.929

Table D3.14, cont.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting' 5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.191	0.166	0.216	58.284	58.156	58.413	58.475	58.362	58.588	0.161	0.139	0.184	58.284	58.156	58.413	58.445	58.331	58.560
QALE	0.137	0.119	0.155	45.744	45.650	45.837	45.881	45.798	45.963	0.116	0.100	0.133	45.744	45.650	45.837	45.860	45.777	45.943

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': 13-17 years; for 'switching' and 'diversion from quitting': 18-22 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.208	0.181	0.235	58.284	58.156	58.413	58.492	58.379	58.605	0.192	0.167	0.217	58.284	58.156	58.413	58.476	58.363	58.589
QALE	0.149	0.130	0.169	45.744	45.650	45.837	45.893	45.811	45.974	0.138	0.120	0.156	45.744	45.650	45.837	45.882	45.799	45.963

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': 18-22 years; for 'switching' and 'diversion from quitting': 18-22 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.212	0.185	0.239	58.284	58.156	58.413	58.496	58.383	58.609	0.196	0.171	0.222	58.284	58.156	58.413	58.480	58.367	58.594
QALE	0.152	0.133	0.172	45.744	45.650	45.837	45.896	45.814	45.977	0.141	0.123	0.159	45.744	45.650	45.837	45.885	45.802	45.967

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': 23-27 years; for 'switching' and 'diversion from quitting': 23-27 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.152	0.133	0.171	58.284	58.156	58.413	58.436	58.320	58.552	0.141	0.124	0.160	58.284	58.156	58.413	58.425	58.308	58.542
QALE	0.109	0.095	0.123	45.744	45.650	45.837	45.853	45.768	45.937	0.101	0.089	0.114	45.744	45.650	45.837	45.845	45.760	45.930

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 28-32 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.096	0.084	0.109	58.284	58.156	58.413	58.380	58.260	58.501	0.090	0.078	0.102	58.284	58.156	58.413	58.374	58.253	58.495
QALE	0.069	0.060	0.078	45.744	45.650	45.837	45.812	45.725	45.900	0.064	0.056	0.073	45.744	45.650	45.837	45.808	45.720	45.896

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 33-37 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.057	0.049	0.064	58.284	58.156	58.413	58.341	58.217	58.464	0.053	0.046	0.060	58.284	58.156	58.413	58.337	58.213	58.461
QALE	0.040	0.035	0.046	45.744	45.650	45.837	45.784	45.694	45.874	0.038	0.033	0.043	45.744	45.650	45.837	45.781	45.691	45.872

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 38-42 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.030	0.026	0.035	58.284	58.156	58.413	58.315	58.189	58.440	0.028	0.025	0.032	58.284	58.156	58.413	58.312	58.187	58.438
QALE	0.022	0.019	0.025	45.744	45.650	45.837	45.765	45.673	45.857	0.020	0.017	0.023	45.744	45.650	45.837	45.764	45.672	45.856

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 43-47 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.019	0.016	0.021	58.284	58.156	58.413	58.303	58.176	58.430	0.017	0.015	0.020	58.284	58.156	58.413	58.301	58.175	58.429
QALE	0.013	0.011	0.015	45.744	45.650	45.837	45.757	45.664	45.849	0.012	0.011	0.014	45.744	45.650	45.837	45.756	45.663	45.849

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 48-52 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.009	0.007	0.010	58.284	58.156	58.413	58.293	58.165	58.420	0.008	0.007	0.009	58.284	58.156	58.413	58.292	58.165	58.420
QALE	0.006	0.005	0.007	45.744	45.650	45.837	45.750	45.656	45.843	0.006	0.005	0.006	45.744	45.650	45.837	45.749	45.656	45.843

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 53-57 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.003	0.003	0.004	58.284	58.156	58.413	58.287	58.160	58.416	0.003	0.003	0.003	58.284	58.156	58.413	58.287	58.159	58.416
QALE	0.002	0.002	0.003	45.744	45.650	45.837	45.746	45.652	45.839	0.002	0.002	0.002	45.744	45.650	45.837	45.746	45.652	45.839

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 58-62 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.002	0.001	0.002	58.284	58.156	58.413	58.286	58.158	58.414	0.002	0.001	0.002	58.284	58.156	58.413	58.286	58.158	58.414
QALE	0.001	0.001	0.001	45.744	45.650	45.837	45.745	45.651	45.839	0.001	0.001	0.001	45.744	45.650	45.837	45.745	45.651	45.838

Table D3.15.: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 63-67 years

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.001	0.001	0.001	58.284	58.156	58.413	58.285	58.157	58.413	0.001	0.001	0.001	58.284	58.156	58.413	58.285	58.157	58.413
QALE	0.000	0.000	0.000	45.744	45.650	45.837	45.744	45.650	45.838	0.000	0.000	0.000	45.744	45.650	45.837	45.744	45.650	45.838

Table D_H1: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking' ('master model'); mortality rates for women

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.164	0.142	0.187	61.640	61.525	61.754	61.804	61.701	61.905	0.151	0.131	0.172	61.640	61.525	61.754	61.791	61.687	61.893
QALE	0.117	0.101	0.133	48.197	48.116	48.278	48.314	48.241	48.386	0.108	0.093	0.123	48.197	48.116	48.278	48.305	48.231	48.377

Table D_H5: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'additional initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking'; mortality rates for women

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.164	0.142	0.186	61.640	61.525	61.754	61.804	61.700	61.905	0.151	0.130	0.172	61.640	61.525	61.754	61.791	61.687	61.893
QALE	0.117	0.101	0.133	48.197	48.116	48.278	48.314	48.240	48.385	0.107	0.093	0.122	48.197	48.116	48.278	48.305	48.231	48.377

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

0% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	-0.017	-0.018	-0.016	61.640	61.525	61.754	61.623	61.508	61.737	-0.021	-0.022	-0.019	61.640	61.525	61.754	61.619	61.505	61.733
QALE	-0.012	-0.013	-0.012	48.197	48.116	48.278	48.185	48.103	48.266	-0.015	-0.015	-0.014	48.197	48.116	48.278	48.182	48.101	48.264

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

0.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.005	0.002	0.007	61.640	61.525	61.754	61.645	61.532	61.756	0.000	-0.002	0.003	61.640	61.525	61.754	61.640	61.527	61.752
QALE	0.003	0.001	0.005	48.197	48.116	48.278	48.200	48.120	48.280	0.000	-0.002	0.002	48.197	48.116	48.278	48.197	48.116	48.277

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

1% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.026	0.021	0.031	61.640	61.525	61.754	61.666	61.554	61.776	0.020	0.016	0.025	61.640	61.525	61.754	61.660	61.548	61.771
QALE	0.018	0.015	0.022	48.197	48.116	48.278	48.215	48.136	48.294	0.014	0.011	0.018	48.197	48.116	48.278	48.211	48.132	48.290

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

1.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.046	0.039	0.054	61.640	61.525	61.754	61.686	61.576	61.795	0.040	0.033	0.047	61.640	61.525	61.754	61.680	61.569	61.789
QALE	0.033	0.028	0.039	48.197	48.116	48.278	48.230	48.151	48.307	0.028	0.023	0.034	48.197	48.116	48.278	48.225	48.146	48.303

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

2% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.067	0.057	0.077	61.640	61.525	61.754	61.707	61.597	61.814	0.059	0.050	0.069	61.640	61.525	61.754	61.699	61.590	61.807
QALE	0.047	0.040	0.055	48.197	48.116	48.278	48.244	48.167	48.321	0.042	0.035	0.049	48.197	48.116	48.278	48.239	48.161	48.316

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

2.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.087	0.074	0.100	61.640	61.525	61.754	61.726	61.619	61.833	0.078	0.066	0.090	61.640	61.525	61.754	61.718	61.610	61.825
QALE	0.061	0.053	0.071	48.197	48.116	48.278	48.258	48.182	48.334	0.055	0.047	0.064	48.197	48.116	48.278	48.252	48.176	48.328

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

3% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.106	0.091	0.121	61.640	61.525	61.754	61.746	61.639	61.851	0.096	0.082	0.111	61.640	61.525	61.754	61.736	61.629	61.842
QALE	0.075	0.065	0.086	48.197	48.116	48.278	48.272	48.196	48.347	0.068	0.059	0.079	48.197	48.116	48.278	48.265	48.189	48.340

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

3.5% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.125	0.108	0.143	61.640	61.525	61.754	61.765	61.659	61.868	0.114	0.098	0.131	61.640	61.525	61.754	61.754	61.648	61.858
QALE	0.089	0.076	0.101	48.197	48.116	48.278	48.286	48.211	48.359	0.081	0.070	0.093	48.197	48.116	48.278	48.278	48.203	48.352

Table D_H8: Life expectancy (LE) at age 18 years and quality of life-adjusted life expectancy (QALE) at age 18 years in the base case and counterfactual scenario and differences, counterfactual scenario versus base case based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

4% 'switching'

	ERR=0.08									ERR=0.11								
	Difference, counterfactual vs. base case			Base case			Counterfactual			Difference, counterfactual vs. base case			Base case			Counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
LE	0.143	0.124	0.164	61.640	61.525	61.754	61.783	61.678	61.886	0.132	0.114	0.151	61.640	61.525	61.754	61.772	61.666	61.875
QALE	0.102	0.088	0.116	48.197	48.116	48.278	48.299	48.225	48.372	0.094	0.081	0.107	48.197	48.116	48.278	48.291	48.216	48.364

Appendix E: Results from Analyses of Numbers of Survivors for All Age Intervals

Table E3.1: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of ‘additional initiation’ with ‘delayed smoking’, ‘alternative initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’ (‘master model’)

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,651	993,282	994,009	0	0	0	993,650	993,281	994,009	993,651	993,282	994,009
23 - 27	21	18	24	988,756	988,189	989,305	988,777	988,210	989,327	20	16	23	988,756	988,189	989,305	988,776	988,208	989,325
28 - 32	94	80	108	982,030	981,252	982,794	982,124	981,351	982,883	89	76	103	982,030	981,252	982,794	982,119	981,346	982,879
33 - 37	258	222	294	972,766	971,766	973,763	973,023	972,042	974,004	245	211	280	972,766	971,766	973,763	973,011	972,029	973,991
38 - 42	558	483	634	959,978	958,732	961,234	960,536	959,335	961,744	531	459	604	959,978	958,732	961,234	960,509	959,307	961,718
43 - 47	1,038	900	1,178	942,285	940,758	943,830	943,324	941,876	944,772	987	854	1,122	942,285	940,758	943,830	943,272	941,819	944,725
48 - 52	1,740	1,511	1,971	917,749	915,866	919,636	919,489	917,781	921,212	1,650	1,430	1,873	917,749	915,866	919,636	919,399	917,684	921,128
53 - 57	2,685	2,333	3,040	883,638	881,326	885,956	886,323	884,291	888,379	2,538	2,201	2,879	883,638	881,326	885,956	886,176	884,134	888,237
58 - 62	3,835	3,336	4,344	836,133	833,339	838,900	839,968	837,605	842,367	3,609	3,131	4,094	836,133	833,339	838,900	839,742	837,361	842,153
63 - 67	5,082	4,421	5,753	769,998	766,689	773,230	775,080	772,340	777,767	4,754	4,128	5,393	769,998	766,689	773,230	774,752	771,986	777,456
68 - 72	6,196	5,398	7,015	678,494	674,893	682,007	684,690	681,770	687,559	5,751	4,994	6,524	678,494	674,893	682,007	684,245	681,292	687,141
73 - 77	6,812	5,937	7,713	554,326	550,744	557,788	561,138	558,264	563,956	6,258	5,437	7,106	554,326	550,744	557,788	560,584	557,679	563,434
78 - 82	6,463	5,627	7,328	393,784	390,324	397,173	400,247	397,117	403,355	5,859	5,089	6,665	393,784	390,324	397,173	399,643	396,506	402,758
83 - 87	4,769	4,109	5,454	208,183	203,696	212,699	212,952	208,409	217,568	4,255	3,659	4,876	208,183	203,696	212,699	212,438	207,928	217,036
88 - 92	1,935	1,487	2,413	44,385	39,290	49,590	46,319	40,978	51,772	1,701	1,318	2,110	44,385	39,290	49,590	46,085	40,780	51,500
93 - 97	-2	-8	3	5	-11	25	3	-7	17	-2	-8	3	5	-11	25	3	-7	17
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.1_2: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of ‘additional initiation’ with ‘delayed smoking’, ‘alternative initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’; probabilities for all primary beneficial and harmful transitions reduced by 75%, while probabilities for secondary harmful transitions retained at 100%

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,651	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	5	4	6	988,756	988,189	989,305	988,761	988,194	989,311	5	4	6	988,756	988,189	989,305	988,761	988,194	989,310
28 - 32	24	20	27	982,030	981,252	982,794	982,053	981,277	982,817	22	19	26	982,030	981,252	982,794	982,052	981,276	982,816
33 - 37	65	56	75	972,766	971,766	973,763	972,831	971,836	973,822	62	53	71	972,766	971,766	973,763	972,828	971,832	973,819
38 - 42	143	124	163	959,978	958,732	961,234	960,121	958,890	961,363	136	117	155	959,978	958,732	961,234	960,114	958,882	961,356
43 - 47	268	232	304	942,285	940,758	943,830	942,554	941,049	944,074	255	220	290	942,285	940,758	943,830	942,540	941,036	944,062
48 - 52	453	393	513	917,749	915,866	919,636	918,202	916,367	920,046	429	372	488	917,749	915,866	919,636	918,178	916,342	920,024
53 - 57	703	610	796	883,638	881,326	885,956	884,341	882,108	886,572	664	575	754	883,638	881,326	885,956	884,302	882,067	886,536
58 - 62	1,008	877	1,142	836,133	833,339	838,900	837,141	834,463	839,812	949	823	1,077	836,133	833,339	838,900	837,082	834,399	839,754
63 - 67	1,341	1,166	1,518	769,998	766,689	773,230	771,339	768,165	774,421	1,254	1,088	1,423	769,998	766,689	773,230	771,252	768,071	774,343
68 - 72	1,639	1,427	1,855	678,494	674,893	682,007	680,133	676,721	683,475	1,521	1,321	1,726	678,494	674,893	682,007	680,015	676,594	683,367
73 - 77	1,804	1,572	2,043	554,326	550,744	557,788	556,130	552,744	559,408	1,657	1,439	1,883	554,326	550,744	557,788	555,983	552,582	559,269
78 - 82	1,712	1,490	1,942	393,784	390,324	397,173	395,495	392,136	398,796	1,552	1,347	1,766	393,784	390,324	397,173	395,335	391,977	398,632
83 - 87	1,262	1,087	1,444	208,183	203,696	212,699	209,445	204,964	213,998	1,126	968	1,291	208,183	203,696	212,699	209,309	204,829	213,857
88 - 92	511	393	638	44,385	39,290	49,590	44,896	39,715	50,165	450	348	558	44,385	39,290	49,590	44,835	39,674	50,088
93 - 97	0	-2	1	5	-11	25	5	-10	23	0	-2	1	5	-11	25	5	-10	23
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.1_3: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of ‘additional initiation’ with ‘delayed smoking’, ‘alternative initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’, using different ERRs

Age interval	ERR=0.1									ERR=0.2								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,651	993,282	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	20	17	24	988,756	988,189	989,305	988,776	988,209	989,326	16	13	19	988,756	988,189	989,305	988,772	988,205	989,322
28 - 32	91	77	105	982,030	981,252	982,794	982,121	981,348	982,880	75	63	87	982,030	981,252	982,794	982,105	981,332	982,865
33 - 37	249	214	285	972,766	971,766	973,763	973,015	972,034	973,995	207	176	239	972,766	971,766	973,763	972,973	971,989	973,956
38 - 42	540	467	614	959,978	958,732	961,234	960,518	959,316	961,727	448	384	514	959,978	958,732	961,234	960,426	959,221	961,639
43 - 47	1,004	869	1,141	942,285	940,758	943,830	943,289	941,838	944,741	828	710	948	942,285	940,758	943,830	943,113	941,653	944,579
48 - 52	1,681	1,456	1,906	917,749	915,866	919,636	919,429	917,717	921,156	1,373	1,178	1,570	917,749	915,866	919,636	919,121	917,386	920,872
53 - 57	2,587	2,245	2,932	883,638	881,326	885,956	886,225	884,187	888,285	2,083	1,791	2,382	883,638	881,326	885,956	885,722	883,644	887,812
58 - 62	3,685	3,198	4,178	836,133	833,339	838,900	839,818	837,444	842,223	2,912	2,501	3,332	836,133	833,339	838,900	839,045	836,603	841,507
63 - 67	4,864	4,225	5,514	769,998	766,689	773,230	774,862	772,099	777,560	3,747	3,213	4,293	769,998	766,689	773,230	773,745	770,902	776,525
68 - 72	5,900	5,129	6,688	678,494	674,893	682,007	684,394	681,453	687,283	4,394	3,760	5,047	678,494	674,893	682,007	682,889	679,827	685,881
73 - 77	6,443	5,605	7,308	554,326	550,744	557,788	560,769	557,877	563,606	4,587	3,922	5,276	554,326	550,744	557,788	558,913	555,905	561,872
78 - 82	6,060	5,270	6,885	393,784	390,324	397,173	399,844	396,704	402,952	4,066	3,464	4,699	393,784	390,324	397,173	397,850	394,697	400,954
83 - 87	4,425	3,807	5,068	208,183	203,696	212,699	212,608	208,078	217,210	2,759	2,333	3,210	208,183	203,696	212,699	210,942	206,472	215,463
88 - 92	1,778	1,373	2,210	44,385	39,290	49,590	46,163	40,853	51,582	1,040	827	1,272	44,385	39,290	49,590	45,425	40,202	50,731
93 - 97	-2	-8	3	5	-11	25	3	-7	17	-2	-8	3	5	-11	25	3	-7	17
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.1_3, cont: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking', using different ERRs

Age interval	ERR=0.3									ERR=0.4								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	-1	-1	-1	993,650	993,281	994,009	993,650	993,281	994,008
23 - 27	12	10	15	988,756	988,189	989,305	988,768	988,201	989,318	8	6	10	988,756	988,189	989,305	988,764	988,196	989,313
28 - 32	59	49	69	982,030	981,252	982,794	982,089	981,315	982,849	42	34	51	982,030	981,252	982,794	982,072	981,298	982,834
33 - 37	164	137	191	972,766	971,766	973,763	972,929	971,944	973,914	119	97	142	972,766	971,766	973,763	972,885	971,897	973,871
38 - 42	353	298	410	959,978	958,732	961,234	960,331	959,119	961,551	255	208	302	959,978	958,732	961,234	960,232	959,014	961,460
43 - 47	645	544	748	942,285	940,758	943,830	942,930	941,464	944,407	454	371	540	942,285	940,758	943,830	942,740	941,265	944,228
48 - 52	1,051	887	1,218	917,749	915,866	919,636	918,799	917,042	920,569	715	581	853	917,749	915,866	919,636	918,464	916,683	920,256
53 - 57	1,557	1,312	1,808	883,638	881,326	885,956	885,195	883,081	887,328	1,008	811	1,212	883,638	881,326	885,956	884,646	882,490	886,808
58 - 62	2,106	1,767	2,452	836,133	833,339	838,900	838,238	835,734	840,747	1,268	1,001	1,547	836,133	833,339	838,900	837,400	834,846	839,976
63 - 67	2,590	2,162	3,035	769,998	766,689	773,230	772,588	769,655	775,460	1,397	1,065	1,746	769,998	766,689	773,230	771,395	768,362	774,365
68 - 72	2,853	2,356	3,371	678,494	674,893	682,007	681,347	678,172	684,462	1,283	910	1,677	678,494	674,893	682,007	679,778	676,491	683,015
73 - 77	2,722	2,215	3,258	554,326	550,744	557,788	557,048	553,907	560,099	860	491	1,255	554,326	550,744	557,788	555,187	551,912	558,348
78 - 82	2,115	1,683	2,577	393,784	390,324	397,173	395,899	392,697	399,057	222	-102	564	393,784	390,324	397,173	394,006	390,763	397,210
83 - 87	1,188	908	1,489	208,183	203,696	212,699	209,371	204,921	213,838	-278	-521	-34	208,183	203,696	212,699	207,905	203,475	212,302
88 - 92	379	273	490	44,385	39,290	49,590	44,764	39,652	49,958	-207	-396	-43	44,385	39,290	49,590	44,178	39,129	49,325
93 - 97	-2	-8	3	5	-11	25	3	-7	17	-2	-8	3	5	-11	25	3	-7	17
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.1_3, cont: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking', using different ERRs

Age interval	ERR=0.5									ERR=0.6								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-1	-1	-1	993,650	993,281	994,009	993,649	993,280	994,008	-1	-1	-1	993,650	993,281	994,009	993,649	993,280	994,008
23 - 27	4	2	6	988,756	988,189	989,305	988,760	988,192	989,309	0	-2	1	988,756	988,189	989,305	988,756	988,188	989,305
28 - 32	26	19	33	982,030	981,252	982,794	982,055	981,281	982,817	8	3	14	982,030	981,252	982,794	982,038	981,263	982,802
33 - 37	73	55	92	972,766	971,766	973,763	972,839	971,849	973,827	26	12	41	972,766	971,766	973,763	972,791	971,800	973,782
38 - 42	153	116	192	959,978	958,732	961,234	960,130	958,909	961,365	48	19	78	959,978	958,732	961,234	960,025	958,795	961,265
43 - 47	257	191	326	942,285	940,758	943,830	942,542	941,056	944,045	52	2	105	942,285	940,758	943,830	942,337	940,836	943,856
48 - 52	366	261	476	917,749	915,866	919,636	918,115	916,313	919,928	4	-76	88	917,749	915,866	919,636	917,752	915,925	919,595
53 - 57	437	286	597	883,638	881,326	885,956	884,076	881,883	886,279	-154	-272	-31	883,638	881,326	885,956	883,484	881,245	885,732
58 - 62	400	197	617	836,133	833,339	838,900	836,533	833,906	839,170	-495	-659	-325	836,133	833,339	838,900	835,638	832,934	838,337
63 - 67	172	-78	437	769,998	766,689	773,230	770,170	767,058	773,241	-1,081	-1,307	-854	769,998	766,689	773,230	768,917	765,712	772,090
68 - 72	-306	-596	0	678,494	674,893	682,007	678,188	674,783	681,542	-1,907	-2,204	-1,617	678,494	674,893	682,007	676,587	673,052	680,070
73 - 77	-986	-1,301	-663	554,326	550,744	557,788	553,340	549,954	556,632	-2,806	-3,183	-2,452	554,326	550,744	557,788	551,520	548,030	554,967
78 - 82	-1,601	-1,934	-1,278	393,784	390,324	397,173	392,183	388,874	395,435	-3,342	-3,781	-2,936	393,784	390,324	397,173	390,442	387,075	393,788
83 - 87	-1,634	-1,958	-1,332	208,183	203,696	212,699	206,549	202,169	210,931	-2,876	-3,319	-2,462	208,183	203,696	212,699	205,307	200,958	209,649
88 - 92	-723	-1,016	-457	44,385	39,290	49,590	43,662	38,683	48,710	-1,171	-1,563	-811	44,385	39,290	49,590	43,214	38,300	48,211
93 - 97	-2	-7	3	5	-11	25	3	-7	17	-1	-7	3	5	-11	25	3	-8	18
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.1_3, cont: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking', using different ERRs

Age interval	ERR=0.7									ERR=0.8								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-1	993,650	993,281	994,009	993,649	993,280	994,007	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007
23 - 27	-5	-6	-3	988,756	988,189	989,305	988,751	988,184	989,301	-9	-10	-8	988,756	988,189	989,305	988,747	988,180	989,297
28 - 32	-9	-14	-4	982,030	981,252	982,794	982,021	981,245	982,785	-27	-31	-23	982,030	981,252	982,794	982,003	981,226	982,768
33 - 37	-23	-34	-10	972,766	971,766	973,763	972,743	971,748	973,736	-72	-83	-61	972,766	971,766	973,763	972,693	971,695	973,689
38 - 42	-61	-84	-37	959,978	958,732	961,234	959,917	958,678	961,164	-172	-196	-150	959,978	958,732	961,234	959,805	958,561	961,060
43 - 47	-160	-202	-117	942,285	940,758	943,830	942,125	940,607	943,661	-379	-424	-335	942,285	940,758	943,830	941,907	940,378	943,460
48 - 52	-371	-441	-300	917,749	915,866	919,636	917,377	915,525	919,255	-759	-842	-679	917,749	915,866	919,636	916,990	915,114	918,896
53 - 57	-765	-881	-653	883,638	881,326	885,956	882,873	880,586	885,184	-1,395	-1,541	-1,258	883,638	881,326	885,956	882,243	879,910	884,599
58 - 62	-1,415	-1,598	-1,242	836,133	833,339	838,900	834,717	831,946	837,498	-2,358	-2,597	-2,134	836,133	833,339	838,900	833,774	830,924	836,634
63 - 67	-2,356	-2,632	-2,099	769,998	766,689	773,230	767,642	764,325	770,924	-3,650	-4,011	-3,308	769,998	766,689	773,230	766,348	762,931	769,732
68 - 72	-3,512	-3,899	-3,152	678,494	674,893	682,007	674,982	671,322	678,589	-5,113	-5,615	-4,627	678,494	674,893	682,007	673,381	669,595	677,118
73 - 77	-4,588	-5,086	-4,122	554,326	550,744	557,788	549,739	546,109	553,326	-6,321	-6,962	-5,707	554,326	550,744	557,788	548,005	544,228	551,731
78 - 82	-4,991	-5,563	-4,452	393,784	390,324	397,173	388,792	385,347	392,222	-6,542	-7,250	-5,859	393,784	390,324	397,173	387,241	383,752	390,755
83 - 87	-4,002	-4,568	-3,475	208,183	203,696	212,699	204,181	199,845	208,509	-5,013	-5,683	-4,379	208,183	203,696	212,699	203,170	198,849	207,495
88 - 92	-1,557	-2,025	-1,127	44,385	39,290	49,590	42,828	37,953	47,789	-1,885	-2,410	-1,398	44,385	39,290	49,590	42,500	37,671	47,426
93 - 97	-1	-7	3	5	-11	25	4	-8	18	-1	-6	2	5	-11	25	4	-8	19
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.1_3, cont: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'additional initiation' with 'delayed smoking', 'alternative initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking', using different ERRs

Age interval	ERR=0.9									ERR=1.0								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-2	993,650	993,281	994,009	993,648	993,279	994,007
23 - 27	-13	-15	-12	988,756	988,189	989,305	988,743	988,175	989,293	-18	-19	-16	988,756	988,189	989,305	988,738	988,171	989,289
28 - 32	-45	-50	-41	982,030	981,252	982,794	981,985	981,206	982,751	-64	-70	-58	982,030	981,252	982,794	981,966	981,187	982,733
33 - 37	-123	-136	-111	972,766	971,766	973,763	972,642	971,642	973,641	-175	-192	-159	972,766	971,766	973,763	972,590	971,586	973,592
38 - 42	-287	-316	-260	959,978	958,732	961,234	959,690	958,436	960,954	-406	-444	-369	959,978	958,732	961,234	959,572	958,312	960,843
43 - 47	-604	-663	-548	942,285	940,758	943,830	941,681	940,138	943,252	-837	-915	-761	942,285	940,758	943,830	941,449	939,888	943,038
48 - 52	-1,159	-1,269	-1,053	917,749	915,866	919,636	916,590	914,678	918,522	-1,570	-1,717	-1,427	917,749	915,866	919,636	916,179	914,228	918,142
53 - 57	-2,044	-2,237	-1,858	883,638	881,326	885,956	881,595	879,197	883,999	-2,709	-2,961	-2,461	883,638	881,326	885,956	880,930	878,484	883,383
58 - 62	-3,322	-3,635	-3,018	836,133	833,339	838,900	832,810	829,872	835,743	-4,305	-4,706	-3,908	836,133	833,339	838,900	831,828	828,804	834,848
63 - 67	-4,957	-5,424	-4,498	769,998	766,689	773,230	765,041	761,500	768,541	-6,272	-6,858	-5,690	769,998	766,689	773,230	763,726	760,075	767,330
68 - 72	-6,701	-7,340	-6,073	678,494	674,893	682,007	671,793	667,872	675,668	-8,271	-9,057	-7,490	678,494	674,893	682,007	670,223	666,172	674,215
73 - 77	-7,998	-8,788	-7,227	554,326	550,744	557,788	546,328	542,406	550,183	-9,609	-10,551	-8,679	554,326	550,744	557,788	544,718	540,669	548,699
78 - 82	-7,988	-8,835	-7,165	393,784	390,324	397,173	385,796	382,253	389,383	-9,324	-10,298	-8,365	393,784	390,324	397,173	384,459	380,819	388,130
83 - 87	-5,911	-6,675	-5,185	208,183	203,696	212,699	202,272	197,956	206,599	-6,700	-7,545	-5,890	208,183	203,696	212,699	201,483	197,165	205,795
88 - 92	-2,162	-2,726	-1,633	44,385	39,290	49,590	42,223	37,408	47,114	-2,391	-2,985	-1,837	44,385	39,290	49,590	41,993	37,198	46,871
93 - 97	-1	-2	0	5	-11	25	4	-12	25	10	-12	40	5	-11	25	15	-23	64
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.2: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of ‘additional initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	19	16	22	988,756	988,189	989,305	988,775	988,208	989,324	18	15	21	988,756	988,189	989,305	988,774	988,206	989,323
28 - 32	89	76	103	982,030	981,252	982,794	982,119	981,347	982,879	85	72	98	982,030	981,252	982,794	982,115	981,342	982,875
33 - 37	250	215	285	972,766	971,766	973,763	973,015	972,034	973,996	238	204	272	972,766	971,766	973,763	973,003	972,021	973,984
38 - 42	546	472	621	959,978	958,732	961,234	960,524	959,323	961,732	520	448	592	959,978	958,732	961,234	960,497	959,295	961,708
43 - 47	1,022	885	1,159	942,285	940,758	943,830	943,307	941,856	944,757	971	840	1,104	942,285	940,758	943,830	943,256	941,803	944,711
48 - 52	1,719	1,491	1,947	917,749	915,866	919,636	919,468	917,757	921,192	1,630	1,411	1,850	917,749	915,866	919,636	919,379	917,662	921,109
53 - 57	2,659	2,310	3,011	883,638	881,326	885,956	886,297	884,262	888,355	2,514	2,179	2,852	883,638	881,326	885,956	886,152	884,107	888,215
58 - 62	3,808	3,311	4,312	836,133	833,339	838,900	839,940	837,572	842,342	3,584	3,109	4,066	836,133	833,339	838,900	839,717	837,333	842,131
63 - 67	5,055	4,400	5,724	769,998	766,689	773,230	775,053	772,311	777,745	4,731	4,106	5,367	769,998	766,689	773,230	774,729	771,960	777,440
68 - 72	6,177	5,383	6,993	678,494	674,893	682,007	684,672	681,745	687,546	5,737	4,984	6,507	678,494	674,893	682,007	684,231	681,275	687,129
73 - 77	6,809	5,936	7,706	554,326	550,744	557,788	561,135	558,260	563,958	6,259	5,440	7,104	554,326	550,744	557,788	560,585	557,677	563,438
78 - 82	6,482	5,647	7,345	393,784	390,324	397,173	400,265	397,132	403,376	5,881	5,110	6,686	393,784	390,324	397,173	399,665	396,530	402,783
83 - 87	4,806	4,141	5,494	208,183	203,696	212,699	212,989	208,445	217,601	4,292	3,690	4,918	208,183	203,696	212,699	212,475	207,960	217,073
88 - 92	1,967	1,511	2,456	44,385	39,290	49,590	46,352	41,006	51,808	1,732	1,342	2,150	44,385	39,290	49,590	46,117	40,813	51,535
93 - 97	-2	-8	3	5	-11	25	3	-7	17	-2	-8	3	5	-11	25	3	-7	17
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.3: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'additional initiation', 'diversion from quitting', and 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	41	35	48	988,756	988,189	989,305	988,797	988,230	989,346	40	33	46	988,756	988,189	989,305	988,796	988,228	989,344
28 - 32	191	165	217	982,030	981,252	982,794	982,221	981,453	982,974	183	158	209	982,030	981,252	982,794	982,213	981,445	982,968
33 - 37	525	458	593	972,766	971,766	973,763	973,291	972,318	974,259	504	439	570	972,766	971,766	973,763	973,270	972,297	974,240
38 - 42	1,131	991	1,272	959,978	958,732	961,234	961,109	959,933	962,279	1,086	951	1,223	959,978	958,732	961,234	961,064	959,885	962,237
43 - 47	2,090	1,836	2,347	942,285	940,758	943,830	944,376	942,999	945,775	2,004	1,758	2,253	942,285	940,758	943,830	944,289	942,914	945,690
48 - 52	3,479	3,058	3,903	917,749	915,866	919,636	921,228	919,641	922,851	3,328	2,922	3,737	917,749	915,866	919,636	921,077	919,481	922,709
53 - 57	5,330	4,683	5,980	883,638	881,326	885,956	888,968	887,143	890,815	5,084	4,461	5,710	883,638	881,326	885,956	888,722	886,879	890,593
58 - 62	7,571	6,657	8,497	836,133	833,339	838,900	843,704	841,651	845,800	7,194	6,316	8,086	836,133	833,339	838,900	843,327	841,245	845,446
63 - 67	9,984	8,776	11,205	769,998	766,689	773,230	779,982	777,622	782,285	9,437	8,282	10,611	769,998	766,689	773,230	779,435	777,039	781,753
68 - 72	12,121	10,653	13,608	678,494	674,893	682,007	690,615	688,176	693,050	11,379	9,985	12,797	678,494	674,893	682,007	689,873	687,389	692,353
73 - 77	13,265	11,653	14,915	554,326	550,744	557,788	567,592	565,144	570,017	12,340	10,825	13,899	554,326	550,744	557,788	566,666	564,177	569,125
78 - 82	12,505	10,962	14,100	393,784	390,324	397,173	406,288	403,289	409,315	11,492	10,053	12,987	393,784	390,324	397,173	405,276	402,277	408,275
83 - 87	9,110	7,886	10,376	208,183	203,696	212,699	217,293	212,546	222,086	8,244	7,127	9,403	208,183	203,696	212,699	216,427	211,738	221,152
88 - 92	3,563	2,735	4,450	44,385	39,290	49,590	47,948	42,404	53,644	3,167	2,449	3,939	44,385	39,290	49,590	47,552	42,067	53,173
93 - 97	-3	-13	5	5	-11	25	2	-5	12	-3	-13	5	5	-11	25	2	-5	12
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

0% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	-3	-3	-2	988,756	988,189	989,305	988,753	988,186	989,303	-3	-3	-3	988,756	988,189	989,305	988,753	988,186	989,302
28 - 32	-10	-11	-10	982,030	981,252	982,794	982,020	981,242	982,784	-12	-12	-11	982,030	981,252	982,794	982,018	981,241	982,782
33 - 37	-27	-28	-26	972,766	971,766	973,763	972,739	971,738	973,736	-31	-32	-29	972,766	971,766	973,763	972,735	971,734	973,732
38 - 42	-57	-60	-55	959,978	958,732	961,234	959,921	958,675	961,176	-65	-68	-62	959,978	958,732	961,234	959,913	958,667	961,169
43 - 47	-105	-109	-100	942,285	940,758	943,830	942,181	940,654	943,725	-119	-124	-114	942,285	940,758	943,830	942,167	940,639	943,712
48 - 52	-173	-180	-167	917,749	915,866	919,636	917,575	915,697	919,462	-198	-206	-190	917,749	915,866	919,636	917,551	915,672	919,439
53 - 57	-266	-276	-257	883,638	881,326	885,956	883,372	881,064	885,687	-306	-318	-294	883,638	881,326	885,956	883,332	881,023	885,649
58 - 62	-381	-394	-368	836,133	833,339	838,900	835,752	832,960	838,515	-442	-459	-425	836,133	833,339	838,900	835,691	832,898	838,456
63 - 67	-506	-524	-488	769,998	766,689	773,230	769,492	766,191	772,719	-594	-619	-569	769,998	766,689	773,230	769,404	766,101	772,635
68 - 72	-616	-641	-592	678,494	674,893	682,007	677,878	674,273	681,393	-733	-768	-700	678,494	674,893	682,007	677,761	674,150	681,275
73 - 77	-666	-699	-634	554,326	550,744	557,788	553,660	550,089	557,115	-809	-855	-764	554,326	550,744	557,788	553,518	549,947	556,972
78 - 82	-596	-638	-556	393,784	390,324	397,173	393,188	389,741	396,571	-746	-804	-693	393,784	390,324	397,173	393,037	389,594	396,420
83 - 87	-366	-412	-322	208,183	203,696	212,699	207,817	203,360	212,311	-488	-549	-431	208,183	203,696	212,699	207,695	203,242	212,179
88 - 92	-53	-88	-22	44,385	39,290	49,590	44,332	39,249	49,517	-103	-151	-61	44,385	39,290	49,590	44,282	39,209	49,462
93 - 97	0	0	0	5	-11	25	5	-11	25	0	0	0	5	-11	25	5	-11	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

0.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	-1	-1	-1	988,756	988,189	989,305	988,755	988,188	989,304	-2	-2	-2	988,756	988,189	989,305	988,754	988,187	989,304
28 - 32	-3	-4	-2	982,030	981,252	982,794	982,027	981,249	982,791	-5	-6	-4	982,030	981,252	982,794	982,025	981,248	982,789
33 - 37	-5	-8	-2	972,766	971,766	973,763	972,760	971,761	973,756	-10	-13	-7	972,766	971,766	973,763	972,756	971,757	973,752
38 - 42	-6	-12	1	959,978	958,732	961,234	959,972	958,731	961,223	-15	-21	-8	959,978	958,732	961,234	959,963	958,721	961,214
43 - 47	0	-14	13	942,285	940,758	943,830	942,285	940,766	943,823	-18	-31	-5	942,285	940,758	943,830	942,267	940,748	943,806
48 - 52	14	-10	38	917,749	915,866	919,636	917,763	915,895	919,631	-17	-39	6	917,749	915,866	919,636	917,732	915,862	919,602
53 - 57	40	3	79	883,638	881,326	885,956	883,679	881,403	885,957	-10	-46	26	883,638	881,326	885,956	883,628	881,350	885,910
58 - 62	81	26	139	836,133	833,339	838,900	836,214	833,454	838,940	3	-50	57	836,133	833,339	838,900	836,136	833,375	838,865
63 - 67	135	58	214	769,998	766,689	773,230	770,133	766,888	773,297	21	-50	95	769,998	766,689	773,230	770,019	766,771	773,190
68 - 72	193	98	292	678,494	674,893	682,007	678,687	675,172	682,120	39	-48	130	678,494	674,893	682,007	678,533	675,015	681,972
73 - 77	243	141	353	554,326	550,744	557,788	554,570	551,080	557,940	54	-40	154	554,326	550,744	557,788	554,380	550,884	557,754
78 - 82	273	178	375	393,784	390,324	397,173	394,056	390,661	397,377	70	-15	163	393,784	390,324	397,173	393,854	390,462	397,180
83 - 87	265	193	343	208,183	203,696	212,699	208,448	203,969	212,964	99	33	168	208,183	203,696	212,699	208,282	203,811	212,789
88 - 92	189	143	238	44,385	39,290	49,590	44,574	39,462	49,781	119	83	157	44,385	39,290	49,590	44,504	39,399	49,700
93 - 97	0	-2	1	5	-11	25	5	-10	23	0	-2	1	5	-11	25	5	-10	23
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

1% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	-1	-1	0	988,756	988,189	989,305	988,755	988,188	989,305
28 - 32	4	2	6	982,030	981,252	982,794	982,034	981,257	982,798	2	0	4	982,030	981,252	982,794	982,032	981,255	982,796
33 - 37	16	11	22	972,766	971,766	973,763	972,782	971,785	973,776	11	6	16	972,766	971,766	973,763	972,777	971,780	973,771
38 - 42	46	33	58	959,978	958,732	961,234	960,023	958,787	961,269	35	23	47	959,978	958,732	961,234	960,012	958,776	961,259
43 - 47	103	77	128	942,285	940,758	943,830	942,388	940,876	943,917	82	58	106	942,285	940,758	943,830	942,367	940,855	943,897
48 - 52	199	153	244	917,749	915,866	919,636	917,947	916,098	919,800	162	119	205	917,749	915,866	919,636	917,910	916,059	919,764
53 - 57	342	269	417	883,638	881,326	885,956	883,981	881,740	886,228	281	211	351	883,638	881,326	885,956	883,919	881,673	886,172
58 - 62	535	426	646	836,133	833,339	838,900	836,668	833,962	839,355	440	336	545	836,133	833,339	838,900	836,572	833,861	839,263
63 - 67	762	612	916	769,998	766,689	773,230	770,760	767,575	773,855	622	483	768	769,998	766,689	773,230	770,620	767,424	773,725
68 - 72	984	797	1,176	678,494	674,893	682,007	679,478	676,049	682,837	794	619	975	678,494	674,893	682,007	679,288	675,846	682,659
73 - 77	1,132	925	1,346	554,326	550,744	557,788	555,458	552,055	558,751	896	705	1,097	554,326	550,744	557,788	555,223	551,805	558,525
78 - 82	1,121	924	1,327	393,784	390,324	397,173	394,904	391,547	398,189	868	691	1,056	393,784	390,324	397,173	394,651	391,293	397,945
83 - 87	881	731	1,040	208,183	203,696	212,699	209,064	204,596	213,596	671	540	813	208,183	203,696	212,699	208,854	204,393	213,377
88 - 92	426	328	529	44,385	39,290	49,590	44,811	39,665	50,047	335	259	415	44,385	39,290	49,590	44,720	39,585	49,940
93 - 97	-1	-3	1	5	-11	25	4	-9	22	-1	-3	1	5	-11	25	4	-9	22
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

1.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	1	1	2	988,756	988,189	989,305	988,757	988,190	989,307	1	0	1	988,756	988,189	989,305	988,757	988,190	989,306
28 - 32	11	8	14	982,030	981,252	982,794	982,041	981,264	982,804	9	6	11	982,030	981,252	982,794	982,038	981,262	982,802
33 - 37	38	30	46	972,766	971,766	973,763	972,803	971,807	973,795	32	24	40	972,766	971,766	973,763	972,797	971,801	973,790
38 - 42	96	78	115	959,978	958,732	961,234	960,074	958,841	961,316	84	66	102	959,978	958,732	961,234	960,062	958,827	961,304
43 - 47	204	167	242	942,285	940,758	943,830	942,490	940,986	944,011	180	145	216	942,285	940,758	943,830	942,466	940,962	943,989
48 - 52	381	314	448	917,749	915,866	919,636	918,130	916,301	919,966	338	274	402	917,749	915,866	919,636	918,087	916,255	919,924
53 - 57	640	531	749	883,638	881,326	885,956	884,278	882,060	886,495	568	464	672	883,638	881,326	885,956	884,206	881,984	886,425
58 - 62	981	818	1,145	836,133	833,339	838,900	837,114	834,457	839,757	868	714	1,024	836,133	833,339	838,900	837,001	834,337	839,652
63 - 67	1,377	1,154	1,605	769,998	766,689	773,230	771,375	768,257	774,415	1,212	1,001	1,428	769,998	766,689	773,230	771,210	768,080	774,259
68 - 72	1,758	1,478	2,044	678,494	674,893	682,007	680,252	676,892	683,532	1,532	1,270	1,801	678,494	674,893	682,007	680,026	676,653	683,323
73 - 77	2,000	1,688	2,321	554,326	550,744	557,788	556,326	553,017	559,545	1,719	1,430	2,018	554,326	550,744	557,788	556,045	552,719	559,280
78 - 82	1,948	1,652	2,258	393,784	390,324	397,173	395,732	392,411	398,982	1,645	1,373	1,931	393,784	390,324	397,173	395,429	392,105	398,673
83 - 87	1,483	1,252	1,722	208,183	203,696	212,699	209,666	205,180	214,197	1,230	1,024	1,445	208,183	203,696	212,699	209,413	204,939	213,939
88 - 92	657	507	815	44,385	39,290	49,590	45,042	39,855	50,316	546	426	676	44,385	39,290	49,590	44,931	39,763	50,180
93 - 97	-1	-5	2	5	-11	25	4	-9	20	-1	-5	2	5	-11	25	4	-9	20
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

2% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	3	2	3	988,756	988,189	989,305	988,759	988,191	989,308	2	1	3	988,756	988,189	989,305	988,758	988,191	989,307
28 - 32	18	14	21	982,030	981,252	982,794	982,047	981,271	982,811	15	12	19	982,030	981,252	982,794	982,045	981,269	982,809
33 - 37	59	48	70	972,766	971,766	973,763	972,824	971,830	973,815	53	42	63	972,766	971,766	973,763	972,818	971,824	973,809
38 - 42	147	122	172	959,978	958,732	961,234	960,124	958,895	961,362	133	109	157	959,978	958,732	961,234	960,110	958,881	961,349
43 - 47	305	256	355	942,285	940,758	943,830	942,591	941,095	944,101	278	231	325	942,285	940,758	943,830	942,563	941,067	944,076
48 - 52	561	472	649	917,749	915,866	919,636	918,310	916,500	920,133	512	428	596	917,749	915,866	919,636	918,260	916,445	920,086
53 - 57	932	789	1,077	883,638	881,326	885,956	884,571	882,377	886,771	850	713	988	883,638	881,326	885,956	884,488	882,291	886,693
58 - 62	1,419	1,203	1,636	836,133	833,339	838,900	837,552	834,940	840,158	1,289	1,085	1,496	836,133	833,339	838,900	837,422	834,804	840,037
63 - 67	1,980	1,684	2,280	769,998	766,689	773,230	771,978	768,930	774,959	1,790	1,510	2,075	769,998	766,689	773,230	771,788	768,725	774,784
68 - 72	2,514	2,145	2,894	678,494	674,893	682,007	681,009	677,726	684,211	2,254	1,905	2,611	678,494	674,893	682,007	680,748	677,449	683,969
73 - 77	2,847	2,433	3,274	554,326	550,744	557,788	557,174	553,952	560,312	2,523	2,139	2,921	554,326	550,744	557,788	556,849	553,604	560,002
78 - 82	2,756	2,361	3,168	393,784	390,324	397,173	396,540	393,274	399,749	2,405	2,041	2,784	393,784	390,324	397,173	396,188	392,907	399,400
83 - 87	2,070	1,762	2,394	208,183	203,696	212,699	210,253	205,747	214,801	1,775	1,499	2,064	208,183	203,696	212,699	209,958	205,479	214,480
88 - 92	883	681	1,097	44,385	39,290	49,590	45,267	40,057	50,563	753	585	931	44,385	39,290	49,590	45,138	39,936	50,422
93 - 97	-1	-6	2	5	-11	25	4	-8	19	-1	-6	2	5	-11	25	4	-8	19
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

2.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	4	3	5	988,756	988,189	989,305	988,760	988,193	989,309	3	2	4	988,756	988,189	989,305	988,759	988,192	989,309
28 - 32	25	20	29	982,030	981,252	982,794	982,054	981,278	982,818	22	18	26	982,030	981,252	982,794	982,052	981,276	982,816
33 - 37	80	67	93	972,766	971,766	973,763	972,846	971,854	973,836	73	61	86	972,766	971,766	973,763	972,839	971,846	973,829
38 - 42	197	166	228	959,978	958,732	961,234	960,174	958,950	961,409	181	152	211	959,978	958,732	961,234	960,159	958,934	961,394
43 - 47	405	344	467	942,285	940,758	943,830	942,691	941,203	944,192	374	316	433	942,285	940,758	943,830	942,660	941,171	944,163
48 - 52	739	629	848	917,749	915,866	919,636	918,487	916,686	920,294	683	578	788	917,749	915,866	919,636	918,432	916,630	920,243
53 - 57	1,220	1,042	1,399	883,638	881,326	885,956	884,859	882,690	887,035	1,128	957	1,299	883,638	881,326	885,956	884,766	882,591	886,947
58 - 62	1,849	1,582	2,118	836,133	833,339	838,900	837,981	835,412	840,542	1,703	1,449	1,960	836,133	833,339	838,900	837,836	835,257	840,406
63 - 67	2,571	2,203	2,942	769,998	766,689	773,230	772,569	769,592	775,490	2,356	2,009	2,709	769,998	766,689	773,230	772,354	769,359	775,291
68 - 72	3,255	2,796	3,724	678,494	674,893	682,007	681,749	678,553	684,892	2,960	2,527	3,404	678,494	674,893	682,007	681,454	678,237	684,612
73 - 77	3,675	3,161	4,204	554,326	550,744	557,788	558,002	554,862	561,085	3,307	2,827	3,804	554,326	550,744	557,788	557,634	554,470	560,735
78 - 82	3,545	3,054	4,055	393,784	390,324	397,173	397,329	394,096	400,509	3,146	2,692	3,621	393,784	390,324	397,173	396,929	393,697	400,109
83 - 87	2,643	2,258	3,047	208,183	203,696	212,699	210,826	206,333	215,388	2,307	1,961	2,670	208,183	203,696	212,699	210,490	205,985	215,035
88 - 92	1,103	851	1,372	44,385	39,290	49,590	45,488	40,251	50,809	954	742	1,181	44,385	39,290	49,590	45,339	40,112	50,646
93 - 97	-2	-7	3	5	-11	25	3	-8	18	-2	-7	3	5	-11	25	3	-8	18
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

3% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	5	4	6	988,756	988,189	989,305	988,761	988,194	989,311	4	3	6	988,756	988,189	989,305	988,760	988,193	989,310
28 - 32	32	26	37	982,030	981,252	982,794	982,061	981,286	982,825	29	24	34	982,030	981,252	982,794	982,059	981,283	982,822
33 - 37	101	85	117	972,766	971,766	973,763	972,867	971,875	973,856	94	78	109	972,766	971,766	973,763	972,859	971,867	973,848
38 - 42	246	210	283	959,978	958,732	961,234	960,224	959,002	961,458	229	194	265	959,978	958,732	961,234	960,207	958,984	961,441
43 - 47	504	431	577	942,285	940,758	943,830	942,789	941,306	944,282	470	400	540	942,285	940,758	943,830	942,756	941,270	944,250
48 - 52	914	784	1,044	917,749	915,866	919,636	918,663	916,874	920,458	853	728	977	917,749	915,866	919,636	918,601	916,809	920,399
53 - 57	1,504	1,292	1,716	883,638	881,326	885,956	885,142	882,999	887,299	1,401	1,198	1,605	883,638	881,326	885,956	885,039	882,888	887,203
58 - 62	2,271	1,954	2,590	836,133	833,339	838,900	838,404	835,877	840,920	2,109	1,807	2,414	836,133	833,339	838,900	838,242	835,705	840,768
63 - 67	3,149	2,711	3,590	769,998	766,689	773,230	773,147	770,235	776,015	2,911	2,495	3,332	769,998	766,689	773,230	772,909	769,978	775,796
68 - 72	3,979	3,434	4,537	678,494	674,893	682,007	682,473	679,347	685,559	3,651	3,136	4,181	678,494	674,893	682,007	682,145	678,992	685,250
73 - 77	4,484	3,872	5,114	554,326	550,744	557,788	558,811	555,754	561,827	4,074	3,501	4,667	554,326	550,744	557,788	558,401	555,318	561,440
78 - 82	4,315	3,731	4,923	393,784	390,324	397,173	398,099	394,890	401,244	3,869	3,326	4,436	393,784	390,324	397,173	397,653	394,447	400,805
83 - 87	3,202	2,744	3,686	208,183	203,696	212,699	211,385	206,897	215,958	2,826	2,412	3,265	208,183	203,696	212,699	211,009	206,523	215,565
88 - 92	1,319	1,018	1,641	44,385	39,290	49,590	45,704	40,430	51,065	1,151	894	1,427	44,385	39,290	49,590	45,536	40,294	50,858
93 - 97	-2	-8	3	5	-11	25	3	-7	16	-2	-8	3	5	-11	25	3	-7	16
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

3.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	6	5	8	988,756	988,189	989,305	988,762	988,195	989,312	6	4	7	988,756	988,189	989,305	988,762	988,194	989,311
28 - 32	38	32	45	982,030	981,252	982,794	982,068	981,293	982,831	35	29	42	982,030	981,252	982,794	982,065	981,290	982,828
33 - 37	122	104	141	972,766	971,766	973,763	972,888	971,898	973,876	114	96	132	972,766	971,766	973,763	972,880	971,889	973,868
38 - 42	295	253	338	959,978	958,732	961,234	960,273	959,054	961,503	277	236	318	959,978	958,732	961,234	960,254	959,035	961,486
43 - 47	602	518	686	942,285	940,758	943,830	942,887	941,408	944,371	565	484	646	942,285	940,758	943,830	942,850	941,370	944,336
48 - 52	1,087	936	1,237	917,749	915,866	919,636	918,836	917,062	920,619	1,020	875	1,165	917,749	915,866	919,636	918,769	916,992	920,555
53 - 57	1,783	1,537	2,029	883,638	881,326	885,956	885,421	883,306	887,552	1,670	1,434	1,907	883,638	881,326	885,956	885,309	883,184	887,446
58 - 62	2,685	2,319	3,054	836,133	833,339	838,900	838,818	836,338	841,306	2,508	2,157	2,861	836,133	833,339	838,900	838,640	836,146	841,139
63 - 67	3,717	3,211	4,225	769,998	766,689	773,230	773,715	770,841	776,523	3,454	2,975	3,941	769,998	766,689	773,230	773,452	770,559	776,279
68 - 72	4,687	4,057	5,331	678,494	674,893	682,007	683,181	680,117	686,198	4,327	3,732	4,938	678,494	674,893	682,007	682,821	679,733	685,863
73 - 77	5,275	4,568	6,001	554,326	550,744	557,788	559,601	556,615	562,555	4,823	4,159	5,509	554,326	550,744	557,788	559,150	556,142	562,131
78 - 82	5,067	4,391	5,771	393,784	390,324	397,173	398,850	395,670	401,974	4,575	3,946	5,231	393,784	390,324	397,173	398,359	395,177	401,489
83 - 87	3,749	3,218	4,309	208,183	203,696	212,699	211,932	207,427	216,528	3,333	2,851	3,844	208,183	203,696	212,699	211,516	207,024	216,090
88 - 92	1,529	1,181	1,903	44,385	39,290	49,590	45,914	40,627	51,298	1,343	1,043	1,666	44,385	39,290	49,590	45,728	40,452	51,080
93 - 97	-2	-9	4	5	-11	25	3	-7	15	-2	-9	4	5	-11	25	3	-7	15
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.4, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

4% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	8	6	9	988,756	988,189	989,305	988,764	988,196	989,313	7	5	8	988,756	988,189	989,305	988,763	988,196	989,312
28 - 32	45	38	53	982,030	981,252	982,794	982,075	981,300	982,837	42	35	49	982,030	981,252	982,794	982,072	981,297	982,834
33 - 37	143	122	164	972,766	971,766	973,763	972,909	971,920	973,895	134	114	155	972,766	971,766	973,763	972,900	971,911	973,887
38 - 42	344	296	393	959,978	958,732	961,234	960,322	959,106	961,548	324	277	371	959,978	958,732	961,234	960,302	959,085	961,529
43 - 47	698	603	794	942,285	940,758	943,830	942,984	941,513	944,460	658	566	750	942,285	940,758	943,830	942,944	941,471	944,422
48 - 52	1,258	1,087	1,428	917,749	915,866	919,636	919,006	917,248	920,773	1,185	1,020	1,349	917,749	915,866	919,636	918,934	917,170	920,705
53 - 57	2,058	1,779	2,336	883,638	881,326	885,956	885,696	883,609	887,804	1,935	1,668	2,203	883,638	881,326	885,956	885,573	883,479	887,688
58 - 62	3,092	2,677	3,510	836,133	833,339	838,900	839,225	836,788	841,677	2,899	2,502	3,300	836,133	833,339	838,900	839,032	836,580	841,500
63 - 67	4,272	3,700	4,848	769,998	766,689	773,230	774,270	771,457	777,025	3,987	3,442	4,538	769,998	766,689	773,230	773,985	771,150	776,761
68 - 72	5,380	4,665	6,109	678,494	674,893	682,007	683,874	680,875	686,815	4,988	4,312	5,680	678,494	674,893	682,007	683,482	680,457	686,453
73 - 77	6,047	5,246	6,868	554,326	550,744	557,788	560,373	557,462	563,258	5,555	4,801	6,331	554,326	550,744	557,788	559,881	556,943	562,794
78 - 82	5,801	5,037	6,596	393,784	390,324	397,173	399,585	396,440	402,703	5,265	4,552	6,006	393,784	390,324	397,173	399,048	395,887	402,159
83 - 87	4,282	3,679	4,919	208,183	203,696	212,699	212,466	207,932	217,071	3,828	3,280	4,407	208,183	203,696	212,699	212,012	207,510	216,602
88 - 92	1,735	1,339	2,161	44,385	39,290	49,590	46,120	40,822	51,540	1,531	1,188	1,900	44,385	39,290	49,590	45,916	40,635	51,287
93 - 97	-2	-11	4	5	-11	25	3	-6	14	-2	-11	4	5	-11	25	3	-6	14
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.5: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transition of 'alternative initiation'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	1	1	1	993,650	993,281	994,009	993,651	993,282	994,010	1	1	1	993,650	993,281	994,009	993,651	993,282	994,010
23 - 27	3	2	3	988,756	988,189	989,305	988,759	988,192	989,308	3	2	3	988,756	988,189	989,305	988,759	988,192	989,308
28 - 32	7	6	7	982,030	981,252	982,794	982,036	981,259	982,800	6	6	7	982,030	981,252	982,794	982,036	981,259	982,800
33 - 37	13	11	14	972,766	971,766	973,763	972,779	971,780	973,775	12	11	14	972,766	971,766	973,763	972,778	971,780	973,774
38 - 42	22	20	25	959,978	958,732	961,234	960,000	958,756	961,253	21	19	24	959,978	958,732	961,234	959,999	958,755	961,252
43 - 47	34	30	39	942,285	940,758	943,830	942,320	940,796	943,862	33	29	37	942,285	940,758	943,830	942,318	940,795	943,860
48 - 52	50	44	56	917,749	915,866	919,636	917,798	915,920	919,682	47	41	53	917,749	915,866	919,636	917,796	915,917	919,680
53 - 57	66	58	75	883,638	881,326	885,956	883,705	881,397	886,015	62	54	70	883,638	881,326	885,956	883,700	881,392	886,011
58 - 62	82	72	93	836,133	833,339	838,900	836,215	833,425	838,973	76	66	86	836,133	833,339	838,900	836,209	833,419	838,967
63 - 67	92	80	105	769,998	766,689	773,230	770,090	766,791	773,315	84	72	96	769,998	766,689	773,230	770,082	766,782	773,308
68 - 72	91	78	105	678,494	674,893	682,007	678,585	674,994	682,087	80	68	93	678,494	674,893	682,007	678,574	674,982	682,077
73 - 77	70	58	83	554,326	550,744	557,788	554,397	550,822	557,849	58	47	71	554,326	550,744	557,788	554,385	550,809	557,837
78 - 82	29	18	40	393,784	390,324	397,173	393,812	390,356	397,194	18	7	29	393,784	390,324	397,173	393,801	390,346	397,184
83 - 87	-22	-34	-10	208,183	203,696	212,699	208,162	203,674	212,675	-28	-41	-16	208,183	203,696	212,699	208,155	203,668	212,668
88 - 92	-43	-58	-29	44,385	39,290	49,590	44,342	39,249	49,546	-44	-59	-30	44,385	39,290	49,590	44,341	39,248	49,545
93 - 97	0	0	0	5	-11	25	5	-10	25	0	0	0	5	-11	25	5	-10	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.6: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transition of 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	43	36	49	988,756	988,189	989,305	988,799	988,231	989,347	41	35	48	988,756	988,189	989,305	988,797	988,230	989,346
28 - 32	195	169	221	982,030	981,252	982,794	982,224	981,457	982,978	189	164	215	982,030	981,252	982,794	982,219	981,451	982,973
33 - 37	535	467	603	972,766	971,766	973,763	973,300	972,328	974,269	518	453	585	972,766	971,766	973,763	973,284	972,311	974,253
38 - 42	1,152	1,011	1,294	959,978	958,732	961,234	961,130	959,953	962,299	1,116	979	1,253	959,978	958,732	961,234	961,093	959,914	962,265
43 - 47	2,130	1,874	2,387	942,285	940,758	943,830	944,415	943,038	945,814	2,060	1,812	2,309	942,285	940,758	943,830	944,346	942,969	945,747
48 - 52	3,549	3,124	3,974	917,749	915,866	919,636	921,298	919,710	922,920	3,427	3,015	3,837	917,749	915,866	919,636	921,176	919,580	922,806
53 - 57	5,445	4,795	6,095	883,638	881,326	885,956	889,084	887,259	890,928	5,245	4,616	5,872	883,638	881,326	885,956	888,884	887,045	890,749
58 - 62	7,751	6,828	8,680	836,133	833,339	838,900	843,883	841,831	845,980	7,443	6,557	8,339	836,133	833,339	838,900	843,575	841,496	845,689
63 - 67	10,245	9,028	11,477	769,998	766,689	773,230	780,243	777,881	782,551	9,797	8,634	10,980	769,998	766,689	773,230	779,795	777,398	782,115
68 - 72	12,476	10,991	13,971	678,494	674,893	682,007	690,970	688,532	693,404	11,864	10,449	13,292	678,494	674,893	682,007	690,359	687,870	692,838
73 - 77	13,704	12,069	15,370	554,326	550,744	557,788	568,030	565,581	570,469	12,935	11,394	14,509	554,326	550,744	557,788	567,261	564,768	569,723
78 - 82	12,972	11,413	14,584	393,784	390,324	397,173	406,756	403,730	409,795	12,120	10,652	13,638	393,784	390,324	397,173	405,904	402,888	408,923
83 - 87	9,489	8,233	10,782	208,183	203,696	212,699	217,672	212,904	222,478	8,746	7,588	9,938	208,183	203,696	212,699	216,929	212,197	221,699
88 - 92	3,713	2,845	4,641	44,385	39,290	49,590	48,098	42,520	53,828	3,362	2,593	4,184	44,385	39,290	49,590	47,747	42,238	53,402
93 - 97	-3	-13	5	5	-11	25	2	-5	12	-3	-13	5	5	-11	25	2	-5	12
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.7: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transition of 'additional initiation'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	-1	-1	-1	988,756	988,189	989,305	988,755	988,188	989,305	-1	-1	-1	988,756	988,189	989,305	988,755	988,188	989,304
28 - 32	-2	-2	-2	982,030	981,252	982,794	982,028	981,250	982,792	-3	-3	-3	982,030	981,252	982,794	982,027	981,249	982,791
33 - 37	-5	-5	-4	972,766	971,766	973,763	972,761	971,762	973,758	-7	-8	-6	972,766	971,766	973,763	972,759	971,759	973,756
38 - 42	-9	-10	-8	959,978	958,732	961,234	959,969	958,723	961,224	-14	-16	-13	959,978	958,732	961,234	959,964	958,718	961,219
43 - 47	-17	-19	-15	942,285	940,758	943,830	942,268	940,742	943,813	-26	-28	-23	942,285	940,758	943,830	942,260	940,733	943,804
48 - 52	-30	-33	-26	917,749	915,866	919,636	917,719	915,839	919,605	-44	-48	-40	917,749	915,866	919,636	917,704	915,824	919,590
53 - 57	-49	-54	-43	883,638	881,326	885,956	883,590	881,280	885,903	-72	-78	-66	883,638	881,326	885,956	883,567	881,258	885,879
58 - 62	-75	-82	-67	836,133	833,339	838,900	836,058	833,267	838,818	-109	-117	-101	836,133	833,339	838,900	836,024	833,233	838,783
63 - 67	-109	-118	-99	769,998	766,689	773,230	769,889	766,585	773,116	-156	-166	-145	769,998	766,689	773,230	769,842	766,539	773,067
68 - 72	-145	-155	-134	678,494	674,893	682,007	678,349	674,755	681,854	-205	-217	-193	678,494	674,893	682,007	678,289	674,696	681,792
73 - 77	-173	-183	-162	554,326	550,744	557,788	554,153	550,581	557,605	-241	-253	-228	554,326	550,744	557,788	554,086	550,515	557,536
78 - 82	-171	-181	-162	393,784	390,324	397,173	393,612	390,155	396,996	-234	-246	-222	393,784	390,324	397,173	393,550	390,092	396,931
83 - 87	-118	-126	-109	208,183	203,696	212,699	208,065	203,583	212,576	-157	-168	-146	208,183	203,696	212,699	208,026	203,546	212,536
88 - 92	-24	-32	-17	44,385	39,290	49,590	44,361	39,271	49,564	-29	-39	-20	44,385	39,290	49,590	44,356	39,267	49,559
93 - 97	0	0	0	5	-11	25	5	-11	25	0	0	0	5	-11	25	5	-11	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.8: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transition of 'diversion from quitting'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	-1	0	988,756	988,189	989,305	988,756	988,189	989,305	-1	-1	0	988,756	988,189	989,305	988,755	988,189	989,305
28 - 32	-2	-2	-1	982,030	981,252	982,794	982,028	981,251	982,792	-3	-3	-2	982,030	981,252	982,794	982,027	981,250	982,792
33 - 37	-5	-6	-4	972,766	971,766	973,763	972,760	971,760	973,758	-7	-8	-6	972,766	971,766	973,763	972,759	971,758	973,756
38 - 42	-12	-14	-10	959,978	958,732	961,234	959,966	958,719	961,222	-16	-19	-13	959,978	958,732	961,234	959,962	958,715	961,218
43 - 47	-23	-27	-20	942,285	940,758	943,830	942,262	940,735	943,807	-32	-37	-27	942,285	940,758	943,830	942,254	940,726	943,798
48 - 52	-42	-49	-36	917,749	915,866	919,636	917,706	915,821	919,596	-58	-67	-49	917,749	915,866	919,636	917,691	915,807	919,582
53 - 57	-72	-82	-62	883,638	881,326	885,956	883,566	881,253	885,887	-98	-112	-84	883,638	881,326	885,956	883,541	881,225	885,863
58 - 62	-114	-130	-99	836,133	833,339	838,900	836,019	833,220	838,789	-155	-177	-134	836,133	833,339	838,900	835,978	833,177	838,750
63 - 67	-169	-192	-147	769,998	766,689	773,230	769,829	766,520	773,071	-230	-261	-200	769,998	766,689	773,230	769,768	766,453	773,017
68 - 72	-235	-266	-204	678,494	674,893	682,007	678,260	674,640	681,786	-318	-362	-277	678,494	674,893	682,007	678,176	674,552	681,702
73 - 77	-299	-339	-260	554,326	550,744	557,788	554,027	550,445	557,493	-404	-459	-352	554,326	550,744	557,788	553,922	550,346	557,392
78 - 82	-335	-382	-290	393,784	390,324	397,173	393,449	389,999	396,836	-451	-515	-391	393,784	390,324	397,173	393,332	389,876	396,722
83 - 87	-295	-344	-251	208,183	203,696	212,699	207,888	203,417	212,389	-396	-461	-336	208,183	203,696	212,699	207,787	203,317	212,278
88 - 92	-142	-188	-100	44,385	39,290	49,590	44,243	39,160	49,419	-189	-250	-133	44,385	39,290	49,590	44,196	39,118	49,364
93 - 97	0	0	0	5	-11	25	5	-11	25	0	0	0	5	-11	25	5	-11	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.9: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'additional initiation' and 'gateway effect'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	-2	-2	-2	988,756	988,189	989,305	988,754	988,187	989,303	-2	-3	-2	988,756	988,189	989,305	988,754	988,187	989,303
28 - 32	-8	-9	-8	982,030	981,252	982,794	982,022	981,244	982,786	-9	-10	-9	982,030	981,252	982,794	982,021	981,243	982,785
33 - 37	-22	-23	-21	972,766	971,766	973,763	972,744	971,744	973,741	-24	-25	-22	972,766	971,766	973,763	972,742	971,742	973,739
38 - 42	-45	-48	-43	959,978	958,732	961,234	959,932	958,687	961,188	-49	-51	-46	959,978	958,732	961,234	959,929	958,684	961,184
43 - 47	-81	-85	-77	942,285	940,758	943,830	942,204	940,678	943,747	-87	-91	-83	942,285	940,758	943,830	942,198	940,673	943,741
48 - 52	-131	-137	-125	917,749	915,866	919,636	917,618	915,740	919,502	-140	-147	-134	917,749	915,866	919,636	917,609	915,731	919,493
53 - 57	-194	-204	-185	883,638	881,326	885,956	883,444	881,138	885,753	-208	-218	-199	883,638	881,326	885,956	883,430	881,125	885,739
58 - 62	-267	-280	-255	836,133	833,339	838,900	835,866	833,077	838,620	-287	-301	-274	836,133	833,339	838,900	835,846	833,057	838,600
63 - 67	-337	-353	-321	769,998	766,689	773,230	769,661	766,361	772,882	-364	-381	-347	769,998	766,689	773,230	769,634	766,335	772,854
68 - 72	-382	-400	-364	678,494	674,893	682,007	678,113	674,522	681,608	-415	-435	-397	678,494	674,893	682,007	678,079	674,489	681,573
73 - 77	-367	-386	-349	554,326	550,744	557,788	553,959	550,392	557,404	-405	-424	-386	554,326	550,744	557,788	553,922	550,355	557,367
78 - 82	-261	-280	-243	393,784	390,324	397,173	393,522	390,070	396,902	-296	-315	-276	393,784	390,324	397,173	393,488	390,037	396,867
83 - 87	-71	-97	-44	208,183	203,696	212,699	208,112	203,631	212,624	-92	-119	-65	208,183	203,696	212,699	208,091	203,611	212,603
88 - 92	89	56	122	44,385	39,290	49,590	44,474	39,353	49,676	86	53	119	44,385	39,290	49,590	44,471	39,351	49,672
93 - 97	0	0	0	5	-11	25	5	-11	25	0	0	0	5	-11	25	5	-11	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.10: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'alternative initiation' and 'delayed smoking'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	1	1	1	993,650	993,281	994,009	993,651	993,282	994,010	1	1	1	993,650	993,281	994,009	993,651	993,282	994,010
23 - 27	2	2	3	988,756	988,189	989,305	988,758	988,191	989,307	2	2	2	988,756	988,189	989,305	988,758	988,191	989,307
28 - 32	5	4	6	982,030	981,252	982,794	982,035	981,257	982,799	5	4	5	982,030	981,252	982,794	982,035	981,257	982,798
33 - 37	9	8	10	972,766	971,766	973,763	972,775	971,776	973,771	9	8	10	972,766	971,766	973,763	972,774	971,776	973,771
38 - 42	15	13	17	959,978	958,732	961,234	959,993	958,748	961,247	14	12	16	959,978	958,732	961,234	959,992	958,747	961,246
43 - 47	22	19	25	942,285	940,758	943,830	942,308	940,783	943,850	21	18	24	942,285	940,758	943,830	942,307	940,782	943,849
48 - 52	31	27	35	917,749	915,866	919,636	917,780	915,900	919,665	29	25	33	917,749	915,866	919,636	917,778	915,898	919,663
53 - 57	40	34	46	883,638	881,326	885,956	883,678	881,368	885,992	38	32	43	883,638	881,326	885,956	883,676	881,365	885,990
58 - 62	48	41	56	836,133	833,339	838,900	836,181	833,391	838,941	45	38	52	836,133	833,339	838,900	836,177	833,387	838,937
63 - 67	53	45	62	769,998	766,689	773,230	770,051	766,749	773,278	48	40	57	769,998	766,689	773,230	770,046	766,744	773,273
68 - 72	51	41	61	678,494	674,893	682,007	678,545	674,950	682,051	45	36	55	678,494	674,893	682,007	678,539	674,944	682,046
73 - 77	39	29	49	554,326	550,744	557,788	554,365	550,787	557,819	32	23	42	554,326	550,744	557,788	554,359	550,779	557,812
78 - 82	15	6	25	393,784	390,324	397,173	393,799	390,342	397,181	9	0	19	393,784	390,324	397,173	393,793	390,336	397,176
83 - 87	-12	-21	-4	208,183	203,696	212,699	208,171	203,683	212,686	-16	-25	-7	208,183	203,696	212,699	208,167	203,680	212,682
88 - 92	-23	-32	-15	44,385	39,290	49,590	44,362	39,270	49,566	-24	-32	-16	44,385	39,290	49,590	44,361	39,269	49,565
93 - 97	0	0	0	5	-11	25	5	-10	25	0	0	0	5	-11	25	5	-10	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.11: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' and 'resumed smoking'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	21	18	25	988,756	988,189	989,305	988,777	988,210	989,327	21	18	24	988,756	988,189	989,305	988,777	988,210	989,326
28 - 32	100	86	113	982,030	981,252	982,794	982,129	981,357	982,889	97	84	110	982,030	981,252	982,794	982,126	981,353	982,885
33 - 37	277	242	312	972,766	971,766	973,763	973,043	972,061	974,023	268	234	303	972,766	971,766	973,763	973,034	972,052	974,014
38 - 42	603	530	678	959,978	958,732	961,234	960,581	959,381	961,790	584	513	656	959,978	958,732	961,234	960,562	959,362	961,772
43 - 47	1,126	990	1,262	942,285	940,758	943,830	943,411	941,960	944,864	1,089	957	1,221	942,285	940,758	943,830	943,374	941,921	944,830
48 - 52	1,891	1,664	2,118	917,749	915,866	919,636	919,640	917,926	921,366	1,826	1,607	2,046	917,749	915,866	919,636	919,575	917,853	921,305
53 - 57	2,923	2,572	3,272	883,638	881,326	885,956	886,561	884,524	888,621	2,815	2,477	3,153	883,638	881,326	885,956	886,454	884,406	888,520
58 - 62	4,183	3,686	4,687	836,133	833,339	838,900	840,316	837,941	842,718	4,018	3,539	4,501	836,133	833,339	838,900	840,150	837,762	842,567
63 - 67	5,553	4,892	6,221	769,998	766,689	773,230	775,551	772,798	778,247	5,311	4,678	5,954	769,998	766,689	773,230	775,309	772,533	778,022
68 - 72	6,781	5,976	7,595	678,494	674,893	682,007	685,275	682,339	688,144	6,450	5,683	7,229	678,494	674,893	682,007	684,944	681,984	687,849
73 - 77	7,457	6,569	8,366	554,326	550,744	557,788	561,784	558,893	564,609	7,041	6,200	7,903	554,326	550,744	557,788	561,368	558,454	564,220
78 - 82	7,057	6,208	7,936	393,784	390,324	397,173	400,841	397,695	403,968	6,597	5,799	7,423	393,784	390,324	397,173	400,381	397,231	403,512
83 - 87	5,154	4,469	5,858	208,183	203,696	212,699	213,337	208,770	217,965	4,753	4,124	5,402	208,183	203,696	212,699	212,936	208,386	217,570
88 - 92	2,011	1,543	2,513	44,385	39,290	49,590	46,396	41,042	51,862	1,823	1,407	2,268	44,385	39,290	49,590	46,208	40,886	51,652
93 - 97	-2	-8	3	5	-11	25	3	-7	17	-2	-8	3	5	-11	25	3	-7	17
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

0% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-30	-33	-27	988,756	988,189	989,305	988,726	988,158	989,277	-45	-49	-41	988,756	988,189	989,305	988,711	988,142	989,262
28 - 32	-65	-76	-54	982,030	981,252	982,794	981,965	981,186	982,730	-106	-118	-94	982,030	981,252	982,794	981,924	981,145	982,689
33 - 37	-130	-156	-103	972,766	971,766	973,763	972,636	971,638	973,637	-216	-244	-188	972,766	971,766	973,763	972,549	971,549	973,552
38 - 42	-245	-296	-192	959,978	958,732	961,234	959,733	958,497	960,981	-408	-462	-354	959,978	958,732	961,234	959,569	958,335	960,820
43 - 47	-440	-527	-349	942,285	940,758	943,830	941,845	940,341	943,369	-724	-816	-629	942,285	940,758	943,830	941,561	940,058	943,082
48 - 52	-755	-891	-611	917,749	915,866	919,636	916,994	915,189	918,821	-1,217	-1,360	-1,067	917,749	915,866	919,636	916,532	914,731	918,354
53 - 57	-1,235	-1,432	-1,026	883,638	881,326	885,956	882,403	880,197	884,606	-1,944	-2,152	-1,727	883,638	881,326	885,956	881,694	879,499	883,888
58 - 62	-1,919	-2,182	-1,639	836,133	833,339	838,900	834,214	831,568	836,825	-2,947	-3,227	-2,654	836,133	833,339	838,900	833,186	830,564	835,781
63 - 67	-2,806	-3,131	-2,457	769,998	766,689	773,230	767,192	764,113	770,196	-4,206	-4,556	-3,841	769,998	766,689	773,230	765,792	762,745	768,780
68 - 72	-3,800	-4,162	-3,414	678,494	674,893	682,007	674,695	671,360	677,955	-5,557	-5,948	-5,150	678,494	674,893	682,007	672,937	669,634	676,166
73 - 77	-4,609	-4,957	-4,239	554,326	550,744	557,788	549,717	546,403	552,939	-6,572	-6,958	-6,166	554,326	550,744	557,788	547,755	544,463	550,935
78 - 82	-4,678	-4,962	-4,375	393,784	390,324	397,173	389,105	385,822	392,333	-6,481	-6,817	-6,131	393,784	390,324	397,173	387,303	384,055	390,490
83 - 87	-3,362	-3,614	-3,107	208,183	203,696	212,699	204,821	200,468	209,178	-4,475	-4,788	-4,159	208,183	203,696	212,699	203,708	199,401	208,012
88 - 92	-864	-1,131	-618	44,385	39,290	49,590	43,520	38,603	48,568	-1,003	-1,309	-710	44,385	39,290	49,590	43,382	38,494	48,379
93 - 97	0	0	0	5	-11	25	5	-11	25	0	0	0	5	-11	25	5	-11	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

0.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-29	-32	-25	988,756	988,189	989,305	988,727	988,159	989,278	-44	-48	-40	988,756	988,189	989,305	988,712	988,143	989,263
28 - 32	-58	-70	-47	982,030	981,252	982,794	981,972	981,194	982,736	-99	-111	-87	982,030	981,252	982,794	981,931	981,152	982,696
33 - 37	-109	-136	-81	972,766	971,766	973,763	972,657	971,659	973,655	-196	-225	-167	972,766	971,766	973,763	972,570	971,570	973,570
38 - 42	-195	-249	-140	959,978	958,732	961,234	959,783	958,551	961,027	-360	-416	-303	959,978	958,732	961,234	959,617	958,385	960,865
43 - 47	-340	-434	-243	942,285	940,758	943,830	941,945	940,449	943,459	-627	-725	-527	942,285	940,758	943,830	941,658	940,161	943,171
48 - 52	-576	-725	-421	917,749	915,866	919,636	917,173	915,379	918,987	-1,044	-1,199	-883	917,749	915,866	919,636	916,705	914,914	918,517
53 - 57	-943	-1,161	-714	883,638	881,326	885,956	882,696	880,519	884,876	-1,662	-1,892	-1,424	883,638	881,326	885,956	881,976	879,812	884,148
58 - 62	-1,479	-1,777	-1,165	836,133	833,339	838,900	834,654	832,058	837,222	-2,524	-2,839	-2,197	836,133	833,339	838,900	833,609	831,027	836,162
63 - 67	-2,198	-2,575	-1,798	769,998	766,689	773,230	767,800	764,776	770,747	-3,623	-4,023	-3,209	769,998	766,689	773,230	766,375	763,377	769,307
68 - 72	-3,033	-3,467	-2,579	678,494	674,893	682,007	675,461	672,204	678,650	-4,827	-5,290	-4,353	678,494	674,893	682,007	673,668	670,433	676,826
73 - 77	-3,749	-4,180	-3,297	554,326	550,744	557,788	550,577	547,332	553,731	-5,757	-6,219	-5,271	554,326	550,744	557,788	548,570	545,356	551,686
78 - 82	-3,858	-4,213	-3,485	393,784	390,324	397,173	389,926	386,701	393,110	-5,711	-6,111	-5,296	393,784	390,324	397,173	388,073	384,884	391,218
83 - 87	-2,767	-3,024	-2,505	208,183	203,696	212,699	205,416	201,058	209,778	-3,923	-4,241	-3,602	208,183	203,696	212,699	204,260	199,940	208,586
88 - 92	-636	-863	-428	44,385	39,290	49,590	43,749	38,791	48,818	-794	-1,067	-536	44,385	39,290	49,590	43,591	38,674	48,607
93 - 97	0	-2	1	5	-11	25	5	-10	23	0	-2	1	5	-11	25	5	-10	23
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

1% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-27	-31	-24	988,756	988,189	989,305	988,729	988,160	989,279	-43	-47	-39	988,756	988,189	989,305	988,713	988,144	989,264
28 - 32	-51	-63	-40	982,030	981,252	982,794	981,978	981,201	982,743	-92	-105	-80	982,030	981,252	982,794	981,937	981,159	982,703
33 - 37	-88	-116	-59	972,766	971,766	973,763	972,678	971,682	973,675	-176	-206	-146	972,766	971,766	973,763	972,590	971,591	973,588
38 - 42	-146	-203	-88	959,978	958,732	961,234	959,832	958,603	961,073	-312	-372	-252	959,978	958,732	961,234	959,665	958,436	960,908
43 - 47	-241	-342	-137	942,285	940,758	943,830	942,044	940,556	943,549	-532	-636	-424	942,285	940,758	943,830	941,754	940,264	943,260
48 - 52	-399	-563	-231	917,749	915,866	919,636	917,350	915,566	919,153	-873	-1,042	-698	917,749	915,866	919,636	916,876	915,098	918,673
53 - 57	-655	-897	-401	883,638	881,326	885,956	882,984	880,836	885,139	-1,384	-1,637	-1,124	883,638	881,326	885,956	882,254	880,116	884,398
58 - 62	-1,047	-1,381	-693	836,133	833,339	838,900	835,086	832,535	837,614	-2,109	-2,459	-1,745	836,133	833,339	838,900	834,024	831,487	836,539
63 - 67	-1,602	-2,032	-1,149	769,998	766,689	773,230	768,396	765,442	771,292	-3,052	-3,505	-2,583	769,998	766,689	773,230	766,945	764,004	769,823
68 - 72	-2,283	-2,788	-1,759	678,494	674,893	682,007	676,211	673,036	679,340	-4,112	-4,644	-3,563	678,494	674,893	682,007	674,382	671,231	677,475
73 - 77	-2,909	-3,426	-2,371	554,326	550,744	557,788	551,418	548,254	554,505	-4,961	-5,511	-4,395	554,326	550,744	557,788	549,366	546,232	552,422
78 - 82	-3,057	-3,493	-2,603	393,784	390,324	397,173	390,727	387,533	393,883	-4,959	-5,435	-4,476	393,784	390,324	397,173	388,825	385,670	391,941
83 - 87	-2,185	-2,476	-1,898	208,183	203,696	212,699	205,998	201,624	210,387	-3,384	-3,727	-3,039	208,183	203,696	212,699	204,799	200,475	209,155
88 - 92	-413	-608	-234	44,385	39,290	49,590	43,972	38,972	49,075	-591	-835	-358	44,385	39,290	49,590	43,794	38,832	48,839
93 - 97	-1	-3	1	5	-11	25	4	-9	22	-1	-3	1	5	-11	25	4	-9	22
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

1.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-26	-29	-23	988,756	988,189	989,305	988,730	988,162	989,280	-41	-45	-38	988,756	988,189	989,305	988,715	988,146	989,265
28 - 32	-45	-57	-33	982,030	981,252	982,794	981,985	981,209	982,749	-86	-99	-73	982,030	981,252	982,794	981,944	981,166	982,709
33 - 37	-67	-97	-37	972,766	971,766	973,763	972,699	971,704	973,695	-156	-187	-124	972,766	971,766	973,763	972,610	971,613	973,605
38 - 42	-97	-157	-35	959,978	958,732	961,234	959,881	958,654	961,119	-265	-328	-201	959,978	958,732	961,234	959,713	958,485	960,951
43 - 47	-143	-251	-32	942,285	940,758	943,830	942,142	940,664	943,642	-437	-550	-322	942,285	940,758	943,830	941,848	940,367	943,344
48 - 52	-225	-402	-42	917,749	915,866	919,636	917,524	915,755	919,312	-705	-888	-516	917,749	915,866	919,636	917,044	915,280	918,827
53 - 57	-371	-638	-92	883,638	881,326	885,956	883,267	881,150	885,400	-1,111	-1,388	-825	883,638	881,326	885,956	882,527	880,420	884,654
58 - 62	-623	-1,000	-229	836,133	833,339	838,900	835,510	833,004	838,000	-1,701	-2,093	-1,298	836,133	833,339	838,900	834,432	831,943	836,908
63 - 67	-1,018	-1,511	-505	769,998	766,689	773,230	768,980	766,094	771,825	-2,493	-3,003	-1,967	769,998	766,689	773,230	767,505	764,630	770,331
68 - 72	-1,550	-2,136	-944	678,494	674,893	682,007	676,944	673,842	680,000	-3,413	-4,024	-2,789	678,494	674,893	682,007	675,081	672,000	678,109
73 - 77	-2,088	-2,699	-1,454	554,326	550,744	557,788	552,239	549,165	555,259	-4,184	-4,822	-3,531	554,326	550,744	557,788	550,143	547,089	553,130
78 - 82	-2,275	-2,800	-1,734	393,784	390,324	397,173	391,508	388,341	394,621	-4,225	-4,777	-3,662	393,784	390,324	397,173	389,558	386,433	392,642
83 - 87	-1,618	-1,957	-1,285	208,183	203,696	212,699	206,565	202,182	210,972	-2,858	-3,239	-2,487	208,183	203,696	212,699	205,325	200,989	209,690
88 - 92	-195	-369	-33	44,385	39,290	49,590	44,190	39,158	49,334	-392	-617	-181	44,385	39,290	49,590	43,993	39,013	49,063
93 - 97	-1	-5	2	5	-11	25	4	-9	20	-1	-5	2	5	-11	25	4	-9	20
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

2% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-25	-28	-21	988,756	988,189	989,305	988,731	988,163	989,282	-40	-44	-36	988,756	988,189	989,305	988,716	988,147	989,267
28 - 32	-38	-50	-26	982,030	981,252	982,794	981,992	981,216	982,756	-79	-93	-66	982,030	981,252	982,794	981,951	981,174	982,715
33 - 37	-46	-78	-15	972,766	971,766	973,763	972,719	971,726	973,713	-135	-168	-103	972,766	971,766	973,763	972,630	971,635	973,623
38 - 42	-48	-113	18	959,978	958,732	961,234	959,930	958,708	961,164	-218	-285	-151	959,978	958,732	961,234	959,760	958,537	960,995
43 - 47	-46	-163	73	942,285	940,758	943,830	942,239	940,767	943,729	-343	-464	-221	942,285	940,758	943,830	941,942	940,469	943,431
48 - 52	-53	-246	146	917,749	915,866	919,636	917,696	915,942	919,467	-538	-737	-335	917,749	915,866	919,636	917,211	915,458	918,978
53 - 57	-92	-387	214	883,638	881,326	885,956	883,546	881,451	885,659	-842	-1,146	-531	883,638	881,326	885,956	882,796	880,711	884,901
58 - 62	-206	-624	230	836,133	833,339	838,900	835,927	833,466	838,381	-1,301	-1,733	-857	836,133	833,339	838,900	834,832	832,382	837,272
63 - 67	-445	-996	129	769,998	766,689	773,230	769,552	766,725	772,348	-1,945	-2,514	-1,359	769,998	766,689	773,230	768,053	765,237	770,829
68 - 72	-833	-1,500	-145	678,494	674,893	682,007	677,661	674,625	680,648	-2,730	-3,417	-2,026	678,494	674,893	682,007	675,764	672,741	678,724
73 - 77	-1,286	-1,991	-564	554,326	550,744	557,788	553,040	550,052	555,987	-3,424	-4,148	-2,682	554,326	550,744	557,788	550,902	547,924	553,815
78 - 82	-1,512	-2,124	-884	393,784	390,324	397,173	392,271	389,129	395,355	-3,510	-4,142	-2,869	393,784	390,324	397,173	390,274	387,162	393,316
83 - 87	-1,065	-1,460	-674	208,183	203,696	212,699	207,118	202,730	211,543	-2,345	-2,772	-1,929	208,183	203,696	212,699	205,838	201,509	210,206
88 - 92	18	-150	180	44,385	39,290	49,590	44,403	39,339	49,574	-198	-413	6	44,385	39,290	49,590	44,187	39,169	49,294
93 - 97	-1	-6	2	5	-11	25	4	-8	19	-1	-6	2	5	-11	25	4	-8	19
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

2.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-23	-27	-20	988,756	988,189	989,305	988,733	988,165	989,283	-39	-43	-35	988,756	988,189	989,305	988,717	988,148	989,268
28 - 32	-31	-44	-18	982,030	981,252	982,794	981,999	981,223	982,763	-73	-86	-59	982,030	981,252	982,794	981,957	981,180	982,721
33 - 37	-26	-59	7	972,766	971,766	973,763	972,740	971,748	973,730	-115	-150	-81	972,766	971,766	973,763	972,650	971,656	973,642
38 - 42	0	-69	69	959,978	958,732	961,234	959,978	958,759	961,208	-171	-242	-100	959,978	958,732	961,234	959,806	958,587	961,038
43 - 47	49	-77	177	942,285	940,758	943,830	942,335	940,869	943,819	-251	-380	-120	942,285	940,758	943,830	942,035	940,569	943,517
48 - 52	117	-93	333	917,749	915,866	919,636	917,866	916,124	919,623	-374	-590	-154	917,749	915,866	919,636	917,375	915,638	919,128
53 - 57	183	-141	518	883,638	881,326	885,956	883,821	881,752	885,911	-577	-907	-239	883,638	881,326	885,956	883,061	880,998	885,144
58 - 62	203	-259	683	836,133	833,339	838,900	836,335	833,912	838,756	-908	-1,380	-422	836,133	833,339	838,900	835,225	832,815	837,630
63 - 67	115	-499	751	769,998	766,689	773,230	770,113	767,350	772,848	-1,408	-2,037	-761	769,998	766,689	773,230	768,590	765,832	771,310
68 - 72	-132	-878	635	678,494	674,893	682,007	678,362	675,389	681,279	-2,061	-2,827	-1,281	678,494	674,893	682,007	676,433	673,471	679,329
73 - 77	-503	-1,297	311	554,326	550,744	557,788	553,823	550,896	556,691	-2,683	-3,493	-1,854	554,326	550,744	557,788	551,643	548,733	554,490
78 - 82	-768	-1,463	-51	393,784	390,324	397,173	393,016	389,910	396,072	-2,811	-3,527	-2,086	393,784	390,324	397,173	390,973	387,885	394,015
83 - 87	-524	-975	-68	208,183	203,696	212,699	207,659	203,276	212,099	-1,844	-2,322	-1,377	208,183	203,696	212,699	206,339	202,011	210,710
88 - 92	226	47	407	44,385	39,290	49,590	44,611	39,525	49,790	-8	-223	198	44,385	39,290	49,590	44,377	39,334	49,504
93 - 97	-2	-7	3	5	-11	25	3	-8	18	-2	-7	3	5	-11	25	3	-8	18
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

3% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-22	-26	-19	988,756	988,189	989,305	988,734	988,166	989,284	-38	-42	-34	988,756	988,189	989,305	988,718	988,150	989,269
28 - 32	-24	-38	-11	982,030	981,252	982,794	982,005	981,231	982,769	-66	-80	-52	982,030	981,252	982,794	981,964	981,187	982,727
33 - 37	-5	-40	30	972,766	971,766	973,763	972,761	971,769	973,750	-96	-132	-60	972,766	971,766	973,763	972,670	971,675	973,660
38 - 42	48	-25	121	959,978	958,732	961,234	960,026	958,809	961,252	-125	-200	-50	959,978	958,732	961,234	959,853	958,634	961,081
43 - 47	144	9	282	942,285	940,758	943,830	942,430	940,968	943,902	-159	-298	-19	942,285	940,758	943,830	942,127	940,666	943,603
48 - 52	285	58	517	917,749	915,866	919,636	918,034	916,304	919,777	-212	-445	24	917,749	915,866	919,636	917,537	915,809	919,276
53 - 57	453	100	815	883,638	881,326	885,956	884,092	882,048	886,156	-317	-675	50	883,638	881,326	885,956	883,322	881,280	885,381
58 - 62	604	97	1,128	836,133	833,339	838,900	836,737	834,354	839,124	-522	-1,035	4	836,133	833,339	838,900	835,611	833,237	837,988
63 - 67	664	-14	1,362	769,998	766,689	773,230	770,662	767,950	773,336	-883	-1,571	-175	769,998	766,689	773,230	769,115	766,410	771,777
68 - 72	554	-269	1,400	678,494	674,893	682,007	679,048	676,150	681,897	-1,408	-2,246	-548	678,494	674,893	682,007	677,086	674,205	679,921
73 - 77	262	-617	1,167	554,326	550,744	557,788	554,588	551,734	557,394	-1,959	-2,851	-1,048	554,326	550,744	557,788	552,367	549,526	555,162
78 - 82	-41	-820	757	393,784	390,324	397,173	393,743	390,667	396,771	-2,129	-2,923	-1,323	393,784	390,324	397,173	391,655	388,599	394,656
83 - 87	4	-505	521	208,183	203,696	212,699	208,187	203,800	212,635	-1,355	-1,887	-827	208,183	203,696	212,699	206,828	202,500	211,218
88 - 92	429	230	638	44,385	39,290	49,590	44,814	39,695	50,010	177	-45	396	44,385	39,290	49,590	44,562	39,495	49,722
93 - 97	-2	-8	3	5	-11	25	3	-7	16	-2	-8	3	5	-11	25	3	-7	16
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

3.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-21	-25	-17	988,756	988,189	989,305	988,735	988,167	989,286	-36	-41	-32	988,756	988,189	989,305	988,720	988,151	989,270
28 - 32	-18	-32	-4	982,030	981,252	982,794	982,012	981,238	982,775	-60	-74	-45	982,030	981,252	982,794	981,970	981,194	982,734
33 - 37	15	-21	52	972,766	971,766	973,763	972,781	971,790	973,768	-76	-114	-38	972,766	971,766	973,763	972,690	971,697	973,677
38 - 42	95	18	173	959,978	958,732	961,234	960,073	958,858	961,295	-79	-159	1	959,978	958,732	961,234	959,899	958,683	961,124
43 - 47	238	93	384	942,285	940,758	943,830	942,524	941,067	943,991	-68	-216	80	942,285	940,758	943,830	942,217	940,766	943,685
48 - 52	450	206	699	917,749	915,866	919,636	918,199	916,487	919,931	-52	-303	199	917,749	915,866	919,636	917,696	915,986	919,423
53 - 57	719	340	1,109	883,638	881,326	885,956	884,358	882,340	886,398	-60	-447	335	883,638	881,326	885,956	883,578	881,562	885,611
58 - 62	998	446	1,565	836,133	833,339	838,900	837,131	834,783	839,482	-143	-701	427	836,133	833,339	838,900	835,990	833,649	838,337
63 - 67	1,202	464	1,963	769,998	766,689	773,230	771,200	768,551	773,816	-367	-1,115	398	769,998	766,689	773,230	769,631	766,985	772,235
68 - 72	1,225	327	2,147	678,494	674,893	682,007	679,719	676,894	682,504	-769	-1,679	161	678,494	674,893	682,007	677,725	674,908	680,501
73 - 77	1,009	43	2,001	554,326	550,744	557,788	555,335	552,544	558,085	-1,252	-2,227	-256	554,326	550,744	557,788	553,074	550,289	555,810
78 - 82	669	-193	1,552	393,784	390,324	397,173	394,453	391,407	397,468	-1,464	-2,330	-577	393,784	390,324	397,173	392,320	389,292	395,312
83 - 87	519	-50	1,101	208,183	203,696	212,699	208,702	204,311	213,171	-878	-1,456	-298	208,183	203,696	212,699	207,305	202,965	211,723
88 - 92	628	401	873	44,385	39,290	49,590	45,013	39,861	50,229	358	120	597	44,385	39,290	49,590	44,743	39,647	49,908
93 - 97	-2	-9	4	5	-11	25	3	-7	15	-2	-9	4	5	-11	25	3	-7	15
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

4% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-20	-23	-16	988,756	988,189	989,305	988,736	988,168	989,287	-35	-39	-31	988,756	988,189	989,305	988,721	988,152	989,272
28 - 32	-11	-25	3	982,030	981,252	982,794	982,019	981,245	982,782	-53	-68	-38	982,030	981,252	982,794	981,977	981,201	982,740
33 - 37	36	-3	74	972,766	971,766	973,763	972,801	971,812	973,787	-56	-96	-17	972,766	971,766	973,763	972,709	971,718	973,695
38 - 42	142	60	225	959,978	958,732	961,234	960,120	958,908	961,340	-34	-118	51	959,978	958,732	961,234	959,944	958,731	961,167
43 - 47	331	176	487	942,285	940,758	943,830	942,616	941,169	944,080	22	-136	180	942,285	940,758	943,830	942,307	940,862	943,770
48 - 52	614	352	879	917,749	915,866	919,636	918,363	916,670	920,083	105	-162	374	917,749	915,866	919,636	917,854	916,163	919,567
53 - 57	981	573	1,400	883,638	881,326	885,956	884,620	882,627	886,644	192	-224	615	883,638	881,326	885,956	883,831	881,841	885,840
58 - 62	1,386	793	1,995	836,133	833,339	838,900	837,518	835,205	839,832	229	-372	839	836,133	833,339	838,900	836,362	834,054	838,678
63 - 67	1,730	934	2,549	769,998	766,689	773,230	771,728	769,118	774,288	138	-667	961	769,998	766,689	773,230	770,136	767,536	772,691
68 - 72	1,881	906	2,881	678,494	674,893	682,007	680,375	677,617	683,109	-144	-1,124	858	678,494	674,893	682,007	678,351	675,593	681,068
73 - 77	1,739	685	2,818	554,326	550,744	557,788	556,065	553,341	558,766	-561	-1,615	515	554,326	550,744	557,788	553,765	551,045	556,444
78 - 82	1,362	420	2,331	393,784	390,324	397,173	395,146	392,134	398,141	-814	-1,756	153	393,784	390,324	397,173	392,970	389,969	395,950
83 - 87	1,022	396	1,672	208,183	203,696	212,699	209,205	204,789	213,689	-412	-1,040	224	208,183	203,696	212,699	207,771	203,412	212,198
88 - 92	822	561	1,107	44,385	39,290	49,590	45,207	40,034	50,462	535	275	798	44,385	39,290	49,590	44,920	39,810	50,108
93 - 97	-2	-11	4	5	-11	25	3	-6	14	-2	-11	4	5	-11	25	3	-6	14
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of ‘switching’ versus an extreme scenario for ‘additional initiation’

4.5% ‘switching’

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-18	-22	-14	988,756	988,189	989,305	988,738	988,170	989,288	-34	-38	-30	988,756	988,189	989,305	988,722	988,153	989,273
28 - 32	-4	-19	11	982,030	981,252	982,794	982,026	981,252	982,788	-46	-62	-31	982,030	981,252	982,794	981,983	981,208	982,746
33 - 37	56	15	96	972,766	971,766	973,763	972,821	971,833	973,805	-37	-78	5	972,766	971,766	973,763	972,729	971,738	973,714
38 - 42	189	102	276	959,978	958,732	961,234	960,167	958,959	961,382	12	-77	100	959,978	958,732	961,234	959,989	958,780	961,209
43 - 47	423	259	588	942,285	940,758	943,830	942,708	941,268	944,166	110	-56	278	942,285	940,758	943,830	942,396	940,956	943,852
48 - 52	775	495	1,058	917,749	915,866	919,636	918,524	916,847	920,229	261	-23	547	917,749	915,866	919,636	918,010	916,333	919,712
53 - 57	1,239	800	1,685	883,638	881,326	885,956	884,877	882,906	886,876	441	-3	888	883,638	881,326	885,956	884,079	882,109	886,067
58 - 62	1,766	1,129	2,420	836,133	833,339	838,900	837,898	835,622	840,179	594	-48	1,246	836,133	833,339	838,900	836,727	834,452	839,007
63 - 67	2,246	1,392	3,124	769,998	766,689	773,230	772,244	769,677	774,750	632	-226	1,513	769,998	766,689	773,230	770,630	768,067	773,135
68 - 72	2,523	1,474	3,598	678,494	674,893	682,007	681,017	678,313	683,681	468	-581	1,543	678,494	674,893	682,007	678,962	676,266	681,621
73 - 77	2,452	1,315	3,618	554,326	550,744	557,788	556,779	554,122	559,421	113	-1,021	1,270	554,326	550,744	557,788	554,440	551,777	557,071
78 - 82	2,039	1,014	3,086	393,784	390,324	397,173	395,822	392,832	398,807	-180	-1,196	863	393,784	390,324	397,173	393,604	390,634	396,576
83 - 87	1,513	827	2,229	208,183	203,696	212,699	209,697	205,267	214,195	43	-634	738	208,183	203,696	212,699	208,226	203,864	212,668
88 - 92	1,011	717	1,334	44,385	39,290	49,590	45,396	40,200	50,677	707	425	1,001	44,385	39,290	49,590	45,092	39,966	50,297
93 - 97	-2	-11	5	5	-11	25	3	-6	13	-2	-11	5	5	-11	25	3	-6	13
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-10	-11	-9	993,650	993,281	994,009	993,640	993,271	994,000	-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27	-17	-21	-13	988,756	988,189	989,305	988,739	988,171	989,289	-33	-37	-28	988,756	988,189	989,305	988,723	988,155	989,274
28 - 32	3	-13	18	982,030	981,252	982,794	982,032	981,258	982,794	-40	-57	-24	982,030	981,252	982,794	981,990	981,214	982,752
33 - 37	76	33	118	972,766	971,766	973,763	972,842	971,855	973,824	-17	-61	26	972,766	971,766	973,763	972,748	971,760	973,732
38 - 42	235	143	328	959,978	958,732	961,234	960,213	959,010	961,424	56	-37	150	959,978	958,732	961,234	960,034	958,829	961,248
43 - 47	514	340	688	942,285	940,758	943,830	942,799	941,362	944,253	198	23	375	942,285	940,758	943,830	942,484	941,050	943,938
48 - 52	934	636	1,234	917,749	915,866	919,636	918,683	917,015	920,381	414	114	717	917,749	915,866	919,636	918,163	916,497	919,856
53 - 57	1,493	1,027	1,967	883,638	881,326	885,956	885,131	883,182	887,106	685	217	1,159	883,638	881,326	885,956	884,323	882,374	886,296
58 - 62	2,139	1,459	2,831	836,133	833,339	838,900	838,272	836,030	840,524	953	270	1,646	836,133	833,339	838,900	837,085	834,838	839,331
63 - 67	2,753	1,840	3,688	769,998	766,689	773,230	772,751	770,231	775,219	1,117	202	2,052	769,998	766,689	773,230	771,115	768,605	773,577
68 - 72	3,151	2,029	4,300	678,494	674,893	682,007	681,645	679,002	684,264	1,066	-52	2,213	678,494	674,893	682,007	679,560	676,914	682,170
73 - 77	3,149	1,930	4,399	554,326	550,744	557,788	557,475	554,866	560,061	772	-441	2,011	554,326	550,744	557,788	555,099	552,484	557,680
78 - 82	2,699	1,595	3,829	393,784	390,324	397,173	396,483	393,520	399,455	439	-651	1,557	393,784	390,324	397,173	394,223	391,271	397,182
83 - 87	1,993	1,248	2,771	208,183	203,696	212,699	210,176	205,752	214,679	487	-244	1,240	208,183	203,696	212,699	208,670	204,279	213,123
88 - 92	1,197	867	1,559	44,385	39,290	49,590	45,582	40,371	50,892	876	567	1,204	44,385	39,290	49,590	45,261	40,117	50,496
93 - 97	-3	-12	5	5	-11	25	2	-6	12	-3	-12	5	5	-11	25	2	-6	12
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.12, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'additional initiation'

5.5% 'switching'

Age interval	ERR=0.08						ERR=0.11								
	Difference in survivors		Number of survivors, base case		Number of survivors, counterfactual		Difference in survivors		Number of survivors, base case		Number of survivors, counterfactual				
	Mean	95% PI	Mean	95% PI	Mean	95% PI	Mean	95% PI	Mean	95% PI	Mean	95% PI			
13 - 17							0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22							-14	-14	-13	993,650	993,281	994,009	993,637	993,267	993,996
23 - 27							-31	-36	-27	988,756	988,189	989,305	988,725	988,156	989,276
28 - 32							-33	-51	-17	982,030	981,252	982,794	981,996	981,221	982,758
33 - 37							2	-43	47	972,766	971,766	973,763	972,768	971,780	973,750
38 - 42							101	3	199	959,978	958,732	961,234	960,079	958,877	961,289
43 - 47							285	100	471	942,285	940,758	943,830	942,571	941,142	944,021
48 - 52							566	249	884	917,749	915,866	919,636	918,315	916,656	919,995
53 - 57							926	428	1,427	883,638	881,326	885,956	884,564	882,644	886,516
58 - 62						N/A	1,305	583	2,039	836,133	833,339	838,900	837,438	835,225	839,656
63 - 67							1,592	622	2,579	769,998	766,689	773,230	771,590	769,127	774,009
68 - 72							1,651	466	2,864	678,494	674,893	682,007	680,145	677,550	682,709
73 - 77							1,416	129	2,733	554,326	550,744	557,788	555,743	553,190	558,279
78 - 82							1,044	-117	2,233	393,784	390,324	397,173	394,828	391,908	397,754
83 - 87							920	137	1,730	208,183	203,696	212,699	209,103	204,706	213,581
88 - 92							1,041	704	1,401	44,385	39,290	49,590	45,426	40,258	50,690
93 - 97							-3	-13	5	5	-11	25	2	-5	11
98 - 102							0	0	0	0	0	0	0	0	0

Table E3.13: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

0% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-21	-22	-20	988,756	988,189	989,305	988,735	988,167	989,285	-24	-26	-23	988,756	988,189	989,305	988,732	988,163	989,282
28 - 32	-81	-86	-77	982,030	981,252	982,794	981,948	981,169	982,716	-90	-95	-85	982,030	981,252	982,794	981,940	981,161	982,707
33 - 37	-215	-227	-204	972,766	971,766	973,763	972,550	971,550	973,549	-233	-245	-221	972,766	971,766	973,763	972,532	971,531	973,532
38 - 42	-445	-468	-423	959,978	958,732	961,234	959,532	958,292	960,784	-479	-503	-455	959,978	958,732	961,234	959,499	958,258	960,751
43 - 47	-795	-835	-756	942,285	940,758	943,830	941,490	939,973	943,024	-852	-893	-811	942,285	940,758	943,830	941,434	939,917	942,966
48 - 52	-1,281	-1,344	-1,219	917,749	915,866	919,636	916,468	914,624	918,320	-1,371	-1,437	-1,307	917,749	915,866	919,636	916,377	914,535	918,229
53 - 57	-1,900	-1,991	-1,809	883,638	881,326	885,956	881,739	879,484	883,994	-2,036	-2,132	-1,942	883,638	881,326	885,956	881,602	879,351	883,858
58 - 62	-2,607	-2,733	-2,485	836,133	833,339	838,900	833,526	830,812	836,212	-2,803	-2,934	-2,675	836,133	833,339	838,900	833,330	830,620	836,011
63 - 67	-3,287	-3,446	-3,134	769,998	766,689	773,230	766,711	763,510	769,837	-3,551	-3,717	-3,390	769,998	766,689	773,230	766,447	763,257	769,568
68 - 72	-3,720	-3,901	-3,546	678,494	674,893	682,007	674,774	671,301	678,145	-4,049	-4,237	-3,866	678,494	674,893	682,007	674,446	670,982	677,806
73 - 77	-3,579	-3,761	-3,401	554,326	550,744	557,788	550,747	547,294	554,087	-3,944	-4,135	-3,758	554,326	550,744	557,788	550,382	546,935	553,711
78 - 82	-2,545	-2,730	-2,362	393,784	390,324	397,173	391,239	387,866	394,539	-2,880	-3,073	-2,691	393,784	390,324	397,173	390,904	387,535	394,195
83 - 87	-687	-943	-432	208,183	203,696	212,699	207,496	203,058	211,953	-896	-1,155	-636	208,183	203,696	212,699	207,287	202,854	211,739
88 - 92	865	549	1,190	44,385	39,290	49,590	45,250	40,142	50,447	837	517	1,163	44,385	39,290	49,590	45,222	40,119	50,412
93 - 97	0	0	0	5	-11	25	5	-11	25	0	0	0	5	-11	25	5	-11	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

0.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-20	-21	-19	988,756	988,189	989,305	988,736	988,168	989,286	-23	-25	-22	988,756	988,189	989,305	988,733	988,165	989,283
28 - 32	-74	-79	-70	982,030	981,252	982,794	981,955	981,177	982,722	-83	-89	-78	982,030	981,252	982,794	981,946	981,168	982,713
33 - 37	-194	-206	-181	972,766	971,766	973,763	972,572	971,571	973,569	-212	-226	-199	972,766	971,766	973,763	972,553	971,552	973,550
38 - 42	-394	-421	-368	959,978	958,732	961,234	959,583	958,345	960,831	-429	-457	-402	959,978	958,732	961,234	959,548	958,309	960,795
43 - 47	-692	-740	-644	942,285	940,758	943,830	941,593	940,085	943,117	-752	-801	-702	942,285	940,758	943,830	941,533	940,025	943,057
48 - 52	-1,096	-1,175	-1,016	917,749	915,866	919,636	916,653	914,824	918,492	-1,192	-1,274	-1,111	917,749	915,866	919,636	916,556	914,729	918,395
53 - 57	-1,596	-1,717	-1,475	883,638	881,326	885,956	882,042	879,822	884,269	-1,744	-1,868	-1,620	883,638	881,326	885,956	881,895	879,675	884,120
58 - 62	-2,150	-2,321	-1,980	836,133	833,339	838,900	833,983	831,315	836,620	-2,363	-2,539	-2,190	836,133	833,339	838,900	833,769	831,105	836,408
63 - 67	-2,654	-2,875	-2,434	769,998	766,689	773,230	767,344	764,222	770,402	-2,945	-3,170	-2,719	769,998	766,689	773,230	767,053	763,936	770,108
68 - 72	-2,922	-3,182	-2,662	678,494	674,893	682,007	675,572	672,186	678,886	-3,287	-3,552	-3,022	678,494	674,893	682,007	675,207	671,824	678,514
73 - 77	-2,682	-2,957	-2,408	554,326	550,744	557,788	551,644	548,285	554,901	-3,094	-3,374	-2,816	554,326	550,744	557,788	551,232	547,876	554,483
78 - 82	-1,688	-1,953	-1,426	393,784	390,324	397,173	392,095	388,769	395,359	-2,075	-2,343	-1,810	393,784	390,324	397,173	391,708	388,385	394,961
83 - 87	-65	-366	232	208,183	203,696	212,699	208,118	203,674	212,580	-319	-619	-21	208,183	203,696	212,699	207,864	203,436	212,318
88 - 92	1,103	753	1,464	44,385	39,290	49,590	45,488	40,359	50,723	1,055	705	1,413	44,385	39,290	49,590	45,440	40,320	50,665
93 - 97	0	-2	1	5	-11	25	5	-10	23	0	-2	1	5	-11	25	5	-10	23
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

1% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-19	-20	-17	988,756	988,189	989,305	988,737	988,169	989,287	-22	-23	-20	988,756	988,189	989,305	988,734	988,166	989,284
28 - 32	-68	-73	-62	982,030	981,252	982,794	981,962	981,184	982,728	-77	-82	-71	982,030	981,252	982,794	981,953	981,175	982,720
33 - 37	-172	-187	-158	972,766	971,766	973,763	972,593	971,595	973,589	-192	-207	-177	972,766	971,766	973,763	972,574	971,575	973,570
38 - 42	-344	-374	-312	959,978	958,732	961,234	959,634	958,398	960,878	-380	-412	-348	959,978	958,732	961,234	959,598	958,362	960,842
43 - 47	-590	-647	-532	942,285	940,758	943,830	941,695	940,196	943,208	-653	-712	-594	942,285	940,758	943,830	941,632	940,134	943,144
48 - 52	-913	-1,010	-815	917,749	915,866	919,636	916,836	915,022	918,660	-1,016	-1,114	-917	917,749	915,866	919,636	916,733	914,920	918,560
53 - 57	-1,297	-1,449	-1,146	883,638	881,326	885,956	882,341	880,149	884,542	-1,456	-1,609	-1,302	883,638	881,326	885,956	882,183	879,991	884,385
58 - 62	-1,701	-1,920	-1,481	836,133	833,339	838,900	834,431	831,815	837,029	-1,932	-2,153	-1,712	836,133	833,339	838,900	834,201	831,584	836,798
63 - 67	-2,034	-2,323	-1,742	769,998	766,689	773,230	767,964	764,918	770,956	-2,350	-2,641	-2,058	769,998	766,689	773,230	767,647	764,603	770,640
68 - 72	-2,141	-2,487	-1,790	678,494	674,893	682,007	676,353	673,053	679,585	-2,543	-2,890	-2,192	678,494	674,893	682,007	675,952	672,651	679,181
73 - 77	-1,805	-2,178	-1,428	554,326	550,744	557,788	552,521	549,257	555,707	-2,264	-2,634	-1,889	554,326	550,744	557,788	552,063	548,796	555,247
78 - 82	-852	-1,207	-499	393,784	390,324	397,173	392,932	389,638	396,147	-1,290	-1,644	-940	393,784	390,324	397,173	392,493	389,209	395,702
83 - 87	542	185	897	208,183	203,696	212,699	208,725	204,295	213,199	244	-107	594	208,183	203,696	212,699	208,427	204,005	212,892
88 - 92	1,336	945	1,743	44,385	39,290	49,590	45,721	40,572	50,999	1,267	885	1,663	44,385	39,290	49,590	45,652	40,513	50,914
93 - 97	-1	-3	1	5	-11	25	4	-9	22	-1	-3	1	5	-11	25	4	-9	22
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

1.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-17	-19	-16	988,756	988,189	989,305	988,739	988,170	989,289	-21	-22	-19	988,756	988,189	989,305	988,735	988,167	989,286
28 - 32	-61	-67	-55	982,030	981,252	982,794	981,969	981,191	982,735	-70	-76	-64	982,030	981,252	982,794	981,960	981,182	982,726
33 - 37	-151	-167	-135	972,766	971,766	973,763	972,615	971,619	973,610	-171	-188	-154	972,766	971,766	973,763	972,595	971,598	973,591
38 - 42	-293	-329	-257	959,978	958,732	961,234	959,684	958,452	960,924	-331	-368	-295	959,978	958,732	961,234	959,646	958,413	960,887
43 - 47	-489	-557	-421	942,285	940,758	943,830	941,797	940,306	943,303	-556	-624	-487	942,285	940,758	943,830	941,730	940,239	943,236
48 - 52	-732	-848	-615	917,749	915,866	919,636	917,017	915,217	918,828	-841	-957	-724	917,749	915,866	919,636	916,908	915,107	918,718
53 - 57	-1,003	-1,186	-818	883,638	881,326	885,956	882,635	880,470	884,822	-1,172	-1,355	-987	883,638	881,326	885,956	882,466	880,301	884,652
58 - 62	-1,261	-1,528	-989	836,133	833,339	838,900	834,872	832,304	837,425	-1,508	-1,775	-1,239	836,133	833,339	838,900	834,624	832,055	837,179
63 - 67	-1,427	-1,787	-1,065	769,998	766,689	773,230	768,571	765,588	771,503	-1,768	-2,125	-1,408	769,998	766,689	773,230	768,230	765,245	771,161
68 - 72	-1,377	-1,811	-939	678,494	674,893	682,007	677,117	673,890	680,283	-1,814	-2,246	-1,379	678,494	674,893	682,007	676,680	673,451	679,846
73 - 77	-949	-1,421	-470	554,326	550,744	557,788	553,377	550,180	556,494	-1,453	-1,919	-981	554,326	550,744	557,788	552,873	549,672	555,988
78 - 82	-36	-485	418	393,784	390,324	397,173	393,748	390,504	396,924	-525	-963	-81	393,784	390,324	397,173	393,259	390,007	396,435
83 - 87	1,134	713	1,556	208,183	203,696	212,699	209,317	204,870	213,804	794	384	1,202	208,183	203,696	212,699	208,977	204,541	213,453
88 - 92	1,564	1,127	2,016	44,385	39,290	49,590	45,949	40,767	51,248	1,475	1,057	1,911	44,385	39,290	49,590	45,860	40,697	51,140
93 - 97	-1	-5	2	5	-11	25	4	-9	20	-1	-5	2	5	-11	25	4	-9	20
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

2% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-16	-18	-14	988,756	988,189	989,305	988,740	988,172	989,290	-19	-21	-18	988,756	988,189	989,305	988,737	988,168	989,287
28 - 32	-54	-60	-47	982,030	981,252	982,794	981,976	981,199	982,742	-63	-70	-56	982,030	981,252	982,794	981,967	981,189	982,733
33 - 37	-130	-148	-111	972,766	971,766	973,763	972,636	971,639	973,631	-150	-169	-132	972,766	971,766	973,763	972,615	971,618	973,611
38 - 42	-243	-284	-202	959,978	958,732	961,234	959,734	958,505	960,972	-283	-324	-242	959,978	958,732	961,234	959,695	958,465	960,933
43 - 47	-389	-468	-311	942,285	940,758	943,830	941,896	940,412	943,395	-459	-538	-380	942,285	940,758	943,830	941,827	940,342	943,324
48 - 52	-554	-691	-417	917,749	915,866	919,636	917,195	915,409	918,992	-669	-806	-532	917,749	915,866	919,636	917,080	915,292	918,877
53 - 57	-714	-931	-497	883,638	881,326	885,956	882,925	880,783	885,088	-893	-1,110	-676	883,638	881,326	885,956	882,745	880,603	884,908
58 - 62	-828	-1,144	-510	836,133	833,339	838,900	835,305	832,779	837,823	-1,092	-1,407	-776	836,133	833,339	838,900	835,040	832,512	837,562
63 - 67	-831	-1,260	-401	769,998	766,689	773,230	769,167	766,243	772,039	-1,198	-1,622	-774	769,998	766,689	773,230	768,800	765,871	771,674
68 - 72	-630	-1,153	-102	678,494	674,893	682,007	677,865	674,713	680,962	-1,102	-1,617	-581	678,494	674,893	682,007	677,392	674,231	680,495
73 - 77	-113	-684	467	554,326	550,744	557,788	554,213	551,109	557,259	-661	-1,221	-93	554,326	550,744	557,788	553,665	550,554	556,721
78 - 82	761	221	1,313	393,784	390,324	397,173	394,544	391,321	397,694	223	-304	760	393,784	390,324	397,173	394,007	390,790	397,156
83 - 87	1,713	1,222	2,202	208,183	203,696	212,699	209,896	205,444	214,415	1,330	859	1,798	208,183	203,696	212,699	209,513	205,062	214,015
88 - 92	1,786	1,301	2,282	44,385	39,290	49,590	46,171	40,967	51,501	1,678	1,216	2,156	44,385	39,290	49,590	46,063	40,878	51,371
93 - 97	-1	-6	2	5	-11	25	4	-8	19	-1	-6	2	5	-11	25	4	-8	19
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

2.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-15	-16	-13	988,756	988,189	989,305	988,741	988,173	989,291	-18	-20	-16	988,756	988,189	989,305	988,738	988,169	989,288
28 - 32	-47	-54	-40	982,030	981,252	982,794	981,983	981,207	982,749	-56	-64	-49	982,030	981,252	982,794	981,973	981,197	982,740
33 - 37	-109	-129	-88	972,766	971,766	973,763	972,657	971,662	973,650	-130	-151	-109	972,766	971,766	973,763	972,636	971,640	973,629
38 - 42	-194	-240	-147	959,978	958,732	961,234	959,784	958,557	961,017	-235	-281	-189	959,978	958,732	961,234	959,743	958,515	960,977
43 - 47	-290	-380	-201	942,285	940,758	943,830	941,995	940,515	943,485	-363	-453	-274	942,285	940,758	943,830	941,922	940,441	943,413
48 - 52	-378	-535	-223	917,749	915,866	919,636	917,371	915,601	919,156	-499	-655	-344	917,749	915,866	919,636	917,250	915,478	919,036
53 - 57	-429	-678	-181	883,638	881,326	885,956	883,209	881,100	885,344	-619	-865	-373	883,638	881,326	885,956	883,020	880,906	885,156
58 - 62	-403	-768	-35	836,133	833,339	838,900	835,730	833,252	838,214	-684	-1,043	-320	836,133	833,339	838,900	835,449	832,967	837,936
63 - 67	-248	-739	251	769,998	766,689	773,230	769,750	766,877	772,560	-639	-1,125	-148	769,998	766,689	773,230	769,359	766,483	772,175
68 - 72	101	-513	719	678,494	674,893	682,007	678,595	675,519	681,620	-406	-1,005	199	678,494	674,893	682,007	678,088	674,998	681,123
73 - 77	704	35	1,380	554,326	550,744	557,788	555,030	552,012	558,007	112	-540	773	554,326	550,744	557,788	554,439	551,405	557,429
78 - 82	1,538	906	2,190	393,784	390,324	397,173	395,322	392,125	398,450	953	341	1,580	393,784	390,324	397,173	394,736	391,535	397,860
83 - 87	2,277	1,718	2,840	208,183	203,696	212,699	210,460	206,001	214,994	1,853	1,317	2,387	208,183	203,696	212,699	210,036	205,586	214,548
88 - 92	2,003	1,469	2,546	44,385	39,290	49,590	46,388	41,156	51,752	1,876	1,373	2,390	44,385	39,290	49,590	46,261	41,051	51,597
93 - 97	-2	-7	3	5	-11	25	3	-8	18	-2	-7	3	5	-11	25	3	-8	18
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

3% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-13	-15	-12	988,756	988,189	989,305	988,743	988,174	989,293	-17	-19	-15	988,756	988,189	989,305	988,739	988,171	989,289
28 - 32	-40	-48	-32	982,030	981,252	982,794	981,990	981,214	982,756	-50	-58	-42	982,030	981,252	982,794	981,980	981,204	982,746
33 - 37	-88	-111	-65	972,766	971,766	973,763	972,678	971,684	973,670	-110	-133	-86	972,766	971,766	973,763	972,656	971,662	973,648
38 - 42	-145	-197	-93	959,978	958,732	961,234	959,833	958,607	961,062	-187	-239	-136	959,978	958,732	961,234	959,790	958,563	961,020
43 - 47	-192	-293	-92	942,285	940,758	943,830	942,093	940,620	943,574	-269	-369	-169	942,285	940,758	943,830	942,017	940,543	943,498
48 - 52	-204	-381	-30	917,749	915,866	919,636	917,544	915,794	919,317	-332	-506	-159	917,749	915,866	919,636	917,417	915,664	919,190
53 - 57	-148	-429	130	883,638	881,326	885,956	883,490	881,410	885,608	-348	-625	-72	883,638	881,326	885,956	883,290	881,205	885,409
58 - 62	14	-397	430	836,133	833,339	838,900	836,147	833,717	838,596	-283	-689	127	836,133	833,339	838,900	835,850	833,410	838,303
63 - 67	324	-235	890	769,998	766,689	773,230	770,322	767,503	773,074	-92	-640	465	769,998	766,689	773,230	769,906	767,078	772,665
68 - 72	816	121	1,519	678,494	674,893	682,007	679,310	676,290	682,255	275	-406	962	678,494	674,893	682,007	678,770	675,741	681,733
73 - 77	1,502	733	2,276	554,326	550,744	557,788	555,828	552,875	558,743	868	124	1,619	554,326	550,744	557,788	555,194	552,230	558,120
78 - 82	2,297	1,574	3,040	393,784	390,324	397,173	396,081	392,941	399,191	1,665	967	2,381	393,784	390,324	397,173	395,448	392,297	398,556
83 - 87	2,829	2,202	3,467	208,183	203,696	212,699	211,012	206,520	215,555	2,364	1,766	2,968	208,183	203,696	212,699	210,547	206,077	215,070
88 - 92	2,216	1,639	2,803	44,385	39,290	49,590	46,600	41,341	51,988	2,069	1,524	2,623	44,385	39,290	49,590	46,454	41,225	51,815
93 - 97	-2	-8	3	5	-11	25	3	-7	16	-2	-8	3	5	-11	25	3	-7	16
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

3.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-12	-14	-10	988,756	988,189	989,305	988,744	988,176	989,294	-16	-18	-14	988,756	988,189	989,305	988,740	988,172	989,291
28 - 32	-33	-42	-24	982,030	981,252	982,794	981,997	981,221	982,762	-43	-52	-34	982,030	981,252	982,794	981,987	981,211	982,752
33 - 37	-67	-92	-41	972,766	971,766	973,763	972,699	971,706	973,690	-89	-115	-64	972,766	971,766	973,763	972,676	971,682	973,668
38 - 42	-96	-153	-39	959,978	958,732	961,234	959,882	958,660	961,107	-140	-197	-84	959,978	958,732	961,234	959,838	958,615	961,064
43 - 47	-95	-207	16	942,285	940,758	943,830	942,190	940,722	943,662	-175	-286	-65	942,285	940,758	943,830	942,111	940,641	943,585
48 - 52	-33	-229	162	917,749	915,866	919,636	917,716	915,982	919,472	-166	-360	25	917,749	915,866	919,636	917,583	915,846	919,343
53 - 57	128	-184	438	883,638	881,326	885,956	883,766	881,713	885,858	-82	-390	224	883,638	881,326	885,956	883,556	881,498	885,649
58 - 62	424	-36	886	836,133	833,339	838,900	836,557	834,162	838,972	111	-341	565	836,133	833,339	838,900	836,244	833,843	838,662
63 - 67	884	259	1,516	769,998	766,689	773,230	770,882	768,125	773,576	444	-167	1,064	769,998	766,689	773,230	770,442	767,674	773,148
68 - 72	1,515	732	2,300	678,494	674,893	682,007	680,009	677,076	682,902	942	181	1,708	678,494	674,893	682,007	679,436	676,484	682,339
73 - 77	2,282	1,419	3,151	554,326	550,744	557,788	556,608	553,723	559,449	1,606	771	2,446	554,326	550,744	557,788	555,932	553,030	558,789
78 - 82	3,038	2,228	3,871	393,784	390,324	397,173	396,822	393,695	399,926	2,360	1,579	3,160	393,784	390,324	397,173	396,143	393,022	399,243
83 - 87	3,367	2,671	4,077	208,183	203,696	212,699	211,550	207,059	216,100	2,863	2,201	3,533	208,183	203,696	212,699	211,046	206,571	215,587
88 - 92	2,423	1,802	3,055	44,385	39,290	49,590	46,808	41,524	52,229	2,258	1,674	2,852	44,385	39,290	49,590	46,643	41,388	52,030
93 - 97	-2	-9	4	5	-11	25	3	-7	15	-2	-9	4	5	-11	25	3	-7	15
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

4% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-11	-13	-9	988,756	988,189	989,305	988,745	988,177	989,295	-14	-17	-12	988,756	988,189	989,305	988,742	988,173	989,292
28 - 32	-26	-36	-17	982,030	981,252	982,794	982,003	981,228	982,768	-37	-46	-27	982,030	981,252	982,794	981,993	981,218	982,758
33 - 37	-46	-74	-18	972,766	971,766	973,763	972,720	971,728	973,709	-69	-97	-42	972,766	971,766	973,763	972,696	971,703	973,687
38 - 42	-47	-110	15	959,978	958,732	961,234	959,930	958,710	961,152	-93	-156	-31	959,978	958,732	961,234	959,884	958,663	961,107
43 - 47	1	-122	123	942,285	940,758	943,830	942,286	940,821	943,753	-82	-204	38	942,285	940,758	943,830	942,203	940,738	943,671
48 - 52	136	-80	350	917,749	915,866	919,636	917,885	916,161	919,626	-3	-216	208	917,749	915,866	919,636	917,746	916,019	919,490
53 - 57	400	54	743	883,638	881,326	885,956	884,038	882,003	886,100	180	-159	516	883,638	881,326	885,956	883,818	881,778	885,888
58 - 62	827	320	1,336	836,133	833,339	838,900	836,959	834,603	839,343	498	0	998	836,133	833,339	838,900	836,630	834,264	839,020
63 - 67	1,433	743	2,128	769,998	766,689	773,230	771,431	768,722	774,080	970	298	1,651	769,998	766,689	773,230	770,968	768,248	773,627
68 - 72	2,199	1,335	3,066	678,494	674,893	682,007	680,693	677,839	683,516	1,593	752	2,437	678,494	674,893	682,007	680,088	677,216	682,930
73 - 77	3,044	2,090	4,004	554,326	550,744	557,788	557,370	554,552	560,139	2,327	1,406	3,258	554,326	550,744	557,788	556,653	553,816	559,443
78 - 82	3,762	2,864	4,687	393,784	390,324	397,173	397,546	394,464	400,617	3,038	2,177	3,922	393,784	390,324	397,173	396,822	393,725	399,903
83 - 87	3,893	3,130	4,675	208,183	203,696	212,699	212,076	207,559	216,648	3,349	2,627	4,083	208,183	203,696	212,699	211,532	207,030	216,075
88 - 92	2,625	1,960	3,302	44,385	39,290	49,590	47,010	41,714	52,464	2,443	1,821	3,072	44,385	39,290	49,590	46,827	41,551	52,244
93 - 97	-2	-11	4	5	-11	25	3	-6	14	-2	-11	4	5	-11	25	3	-6	14
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

4.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-10	-12	-7	988,756	988,189	989,305	988,746	988,178	989,297	-13	-15	-11	988,756	988,189	989,305	988,743	988,175	989,293
28 - 32	-19	-30	-9	982,030	981,252	982,794	982,010	981,236	982,774	-30	-40	-20	982,030	981,252	982,794	982,000	981,225	982,764
33 - 37	-25	-56	5	972,766	971,766	973,763	972,740	971,750	973,729	-49	-79	-19	972,766	971,766	973,763	972,716	971,726	973,706
38 - 42	1	-68	68	959,978	958,732	961,234	959,978	958,762	961,197	-47	-115	20	959,978	958,732	961,234	959,931	958,713	961,151
43 - 47	95	-38	228	942,285	940,758	943,830	942,381	940,925	943,841	10	-122	141	942,285	940,758	943,830	942,295	940,837	943,757
48 - 52	303	67	536	917,749	915,866	919,636	918,052	916,342	919,783	158	-73	388	917,749	915,866	919,636	917,907	916,195	919,640
53 - 57	667	292	1,042	883,638	881,326	885,956	884,305	882,296	886,346	438	68	806	883,638	881,326	885,956	884,076	882,061	886,122
58 - 62	1,222	671	1,778	836,133	833,339	838,900	837,354	835,031	839,704	877	337	1,422	836,133	833,339	838,900	837,010	834,681	839,367
63 - 67	1,971	1,218	2,730	769,998	766,689	773,230	771,969	769,315	774,568	1,485	751	2,226	769,998	766,689	773,230	771,483	768,816	774,096
68 - 72	2,868	1,921	3,813	678,494	674,893	682,007	681,363	678,572	684,127	2,231	1,312	3,150	678,494	674,893	682,007	680,725	677,915	683,503
73 - 77	3,788	2,746	4,839	554,326	550,744	557,788	558,114	555,356	560,826	3,031	2,025	4,048	554,326	550,744	557,788	557,357	554,580	560,090
78 - 82	4,469	3,482	5,482	393,784	390,324	397,173	398,252	395,188	401,299	3,701	2,759	4,668	393,784	390,324	397,173	397,484	394,426	400,535
83 - 87	4,406	3,577	5,255	208,183	203,696	212,699	212,589	208,059	217,178	3,825	3,042	4,626	208,183	203,696	212,699	212,008	207,496	216,578
88 - 92	2,823	2,114	3,546	44,385	39,290	49,590	47,208	41,882	52,685	2,623	1,964	3,292	44,385	39,290	49,590	47,008	41,711	52,449
93 - 97	-2	-11	5	5	-11	25	3	-6	13	-2	-11	5	5	-11	25	3	-6	13
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.13, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and an extreme scenario for 'gateway effect'

5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	-2	-2	-2	993,650	993,281	994,009	993,648	993,279	994,007	-3	-3	-3	993,650	993,281	994,009	993,647	993,278	994,006
23 - 27	-8	-11	-6	988,756	988,189	989,305	988,748	988,179	989,298	-12	-14	-9	988,756	988,189	989,305	988,744	988,176	989,294
28 - 32	-13	-24	-1	982,030	981,252	982,794	982,017	981,243	982,780	-23	-35	-12	982,030	981,252	982,794	982,006	981,232	982,770
33 - 37	-5	-38	28	972,766	971,766	973,763	972,761	971,773	973,748	-29	-62	3	972,766	971,766	973,763	972,736	971,747	973,725
38 - 42	48	-26	121	959,978	958,732	961,234	960,026	958,811	961,243	-1	-74	72	959,978	958,732	961,234	959,977	958,760	961,194
43 - 47	189	44	333	942,285	940,758	943,830	942,475	941,027	943,930	100	-42	242	942,285	940,758	943,830	942,386	940,936	943,843
48 - 52	467	213	720	917,749	915,866	919,636	918,216	916,522	919,940	317	68	565	917,749	915,866	919,636	918,066	916,367	919,793
53 - 57	930	526	1,337	883,638	881,326	885,956	884,569	882,583	886,584	691	293	1,089	883,638	881,326	885,956	884,330	882,334	886,353
58 - 62	1,610	1,015	2,215	836,133	833,339	838,900	837,742	835,449	840,058	1,250	667	1,841	836,133	833,339	838,900	837,383	835,081	839,706
63 - 67	2,498	1,684	3,320	769,998	766,689	773,230	772,496	769,889	775,053	1,990	1,196	2,790	769,998	766,689	773,230	771,988	769,373	774,558
68 - 72	3,523	2,497	4,544	678,494	674,893	682,007	682,017	679,277	684,712	2,854	1,860	3,845	678,494	674,893	682,007	681,349	678,593	684,068
73 - 77	4,515	3,386	5,654	554,326	550,744	557,788	558,841	556,145	561,495	3,719	2,628	4,819	554,326	550,744	557,788	558,045	555,319	560,718
78 - 82	5,159	4,091	6,258	393,784	390,324	397,173	398,943	395,894	401,979	4,348	3,325	5,396	393,784	390,324	397,173	398,131	395,080	401,159
83 - 87	4,907	4,015	5,828	208,183	203,696	212,699	213,090	208,530	217,689	4,289	3,447	5,153	208,183	203,696	212,699	212,472	207,955	217,067
88 - 92	3,017	2,265	3,787	44,385	39,290	49,590	47,402	42,037	52,922	2,799	2,104	3,510	44,385	39,290	49,590	47,184	41,866	52,651
93 - 97	-3	-12	5	5	-11	25	2	-6	12	-3	-12	5	5	-11	25	2	-6	12
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

0% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	-1	-1	-1	988,756	988,189	989,305	988,755	988,188	989,304	-1	-2	-1	988,756	988,189	989,305	988,755	988,188	989,304
28 - 32	-6	-7	-5	982,030	981,252	982,794	982,024	981,247	982,789	-8	-10	-7	982,030	981,252	982,794	982,022	981,244	982,787
33 - 37	-21	-24	-18	972,766	971,766	973,763	972,745	971,744	973,742	-28	-33	-24	972,766	971,766	973,763	972,737	971,737	973,735
38 - 42	-55	-63	-47	959,978	958,732	961,234	959,923	958,673	961,181	-74	-85	-64	959,978	958,732	961,234	959,903	958,653	961,162
43 - 47	-120	-136	-104	942,285	940,758	943,830	942,165	940,633	943,718	-163	-185	-142	942,285	940,758	943,830	942,122	940,588	943,680
48 - 52	-234	-263	-204	917,749	915,866	919,636	917,515	915,622	919,417	-317	-358	-278	917,749	915,866	919,636	917,431	915,535	919,337
53 - 57	-415	-466	-364	883,638	881,326	885,956	883,224	880,878	885,571	-564	-634	-495	883,638	881,326	885,956	883,075	880,722	885,426
58 - 62	-682	-765	-600	836,133	833,339	838,900	835,451	832,623	838,269	-926	-1,039	-816	836,133	833,339	838,900	835,206	832,361	838,042
63 - 67	-1,043	-1,168	-920	769,998	766,689	773,230	768,955	765,568	772,267	-1,416	-1,585	-1,248	769,998	766,689	773,230	768,582	765,164	771,924
68 - 72	-1,477	-1,655	-1,303	678,494	674,893	682,007	677,017	673,300	680,643	-2,002	-2,244	-1,766	678,494	674,893	682,007	676,492	672,761	680,148
73 - 77	-1,902	-2,132	-1,676	554,326	550,744	557,788	552,425	548,770	555,991	-2,571	-2,883	-2,266	554,326	550,744	557,788	551,755	548,063	555,362
78 - 82	-2,128	-2,396	-1,870	393,784	390,324	397,173	391,655	388,176	395,078	-2,867	-3,228	-2,519	393,784	390,324	397,173	390,917	387,429	394,368
83 - 87	-1,856	-2,139	-1,593	208,183	203,696	212,699	206,327	201,925	210,747	-2,488	-2,867	-2,135	208,183	203,696	212,699	205,695	201,299	210,095
88 - 92	-873	-1,149	-620	44,385	39,290	49,590	43,512	38,546	48,594	-1,162	-1,527	-828	44,385	39,290	49,590	43,223	38,288	48,253
93 - 97	0	0	0	5	-11	25	5	-10	25	0	0	0	5	-11	25	5	-10	25
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

0.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	-1	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	1	0	2	982,030	981,252	982,794	982,031	981,254	982,795	-1	-3	0	982,030	981,252	982,794	982,028	981,252	982,793
33 - 37	1	-2	4	972,766	971,766	973,763	972,766	971,767	973,763	-7	-11	-3	972,766	971,766	973,763	972,758	971,759	973,754
38 - 42	-3	-9	3	959,978	958,732	961,234	959,975	958,730	961,229	-24	-33	-16	959,978	958,732	961,234	959,954	958,708	961,209
43 - 47	-15	-28	-3	942,285	940,758	943,830	942,270	940,746	943,814	-61	-79	-45	942,285	940,758	943,830	942,224	940,698	943,771
48 - 52	-45	-67	-23	917,749	915,866	919,636	917,704	915,826	919,591	-134	-166	-105	917,749	915,866	919,636	917,615	915,732	919,508
53 - 57	-104	-142	-68	883,638	881,326	885,956	883,534	881,224	885,852	-263	-317	-213	883,638	881,326	885,956	883,375	881,052	885,704
58 - 62	-213	-273	-157	836,133	833,339	838,900	835,920	833,138	838,692	-473	-559	-393	836,133	833,339	838,900	835,660	832,859	838,451
63 - 67	-392	-482	-308	769,998	766,689	773,230	769,606	766,301	772,856	-787	-918	-666	769,998	766,689	773,230	769,211	765,867	772,490
68 - 72	-652	-781	-534	678,494	674,893	682,007	677,842	674,215	681,383	-1,209	-1,397	-1,037	678,494	674,893	682,007	677,285	673,629	680,870
73 - 77	-971	-1,141	-815	554,326	550,744	557,788	553,356	549,788	556,834	-1,680	-1,929	-1,448	554,326	550,744	557,788	552,646	549,030	556,172
78 - 82	-1,236	-1,440	-1,049	393,784	390,324	397,173	392,548	389,116	395,918	-2,018	-2,315	-1,740	393,784	390,324	397,173	391,765	388,322	395,156
83 - 87	-1,205	-1,421	-1,005	208,183	203,696	212,699	206,978	202,557	211,414	-1,874	-2,190	-1,583	208,183	203,696	212,699	206,309	201,912	210,713
88 - 92	-622	-840	-422	44,385	39,290	49,590	43,763	38,764	48,868	-928	-1,241	-642	44,385	39,290	49,590	43,457	38,493	48,520
93 - 97	0	-2	1	5	-11	25	5	-10	23	0	-1	1	5	-11	25	5	-10	23
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

1% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	1	1	2	988,756	988,189	989,305	988,757	988,191	989,307	1	1	1	988,756	988,189	989,305	988,757	988,190	989,306
28 - 32	8	6	10	982,030	981,252	982,794	982,038	981,261	982,801	5	4	7	982,030	981,252	982,794	982,035	981,259	982,799
33 - 37	22	18	27	972,766	971,766	973,763	972,788	971,791	973,782	14	9	18	972,766	971,766	973,763	972,779	971,782	973,774
38 - 42	48	39	59	959,978	958,732	961,234	960,026	958,787	961,276	26	16	36	959,978	958,732	961,234	960,004	958,763	961,255
43 - 47	88	70	108	942,285	940,758	943,830	942,374	940,856	943,911	39	20	59	942,285	940,758	943,830	942,325	940,806	943,865
48 - 52	142	110	176	917,749	915,866	919,636	917,891	916,029	919,760	47	13	81	917,749	915,866	919,636	917,795	915,929	919,672
53 - 57	201	150	255	883,638	881,326	885,956	883,839	881,565	886,124	33	-22	88	883,638	881,326	885,956	883,671	881,379	885,977
58 - 62	247	172	326	836,133	833,339	838,900	836,380	833,646	839,110	-28	-111	56	836,133	833,339	838,900	836,105	833,343	838,854
63 - 67	247	143	355	769,998	766,689	773,230	770,245	766,996	773,425	-171	-292	-52	769,998	766,689	773,230	769,826	766,554	773,049
68 - 72	155	19	293	678,494	674,893	682,007	678,649	675,112	682,105	-433	-599	-272	678,494	674,893	682,007	678,061	674,475	681,557
73 - 77	-62	-223	100	554,326	550,744	557,788	554,265	550,789	557,642	-810	-1,025	-608	554,326	550,744	557,788	553,516	550,001	556,948
78 - 82	-364	-542	-192	393,784	390,324	397,173	393,419	390,043	396,749	-1,190	-1,443	-958	393,784	390,324	397,173	392,594	389,200	395,925
83 - 87	-569	-745	-408	208,183	203,696	212,699	207,614	203,165	212,053	-1,276	-1,542	-1,035	208,183	203,696	212,699	206,908	202,495	211,317
88 - 92	-376	-544	-227	44,385	39,290	49,590	44,009	38,975	49,149	-700	-964	-462	44,385	39,290	49,590	43,685	38,693	48,769
93 - 97	-1	-3	1	5	-11	25	4	-9	22	-1	-3	1	5	-11	25	4	-9	22
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

1.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	3	2	3	988,756	988,189	989,305	988,759	988,192	989,308	2	2	3	988,756	988,189	989,305	988,758	988,191	989,307
28 - 32	15	13	17	982,030	981,252	982,794	982,045	981,268	982,808	12	10	15	982,030	981,252	982,794	982,042	981,265	982,805
33 - 37	44	37	51	972,766	971,766	973,763	972,810	971,814	973,802	35	28	41	972,766	971,766	973,763	972,800	971,805	973,794
38 - 42	99	85	115	959,978	958,732	961,234	960,077	958,842	961,322	75	62	90	959,978	958,732	961,234	960,053	958,818	961,300
43 - 47	191	162	222	942,285	940,758	943,830	942,477	940,968	944,005	139	112	167	942,285	940,758	943,830	942,424	940,912	943,955
48 - 52	326	276	379	917,749	915,866	919,636	918,075	916,229	919,925	225	179	274	917,749	915,866	919,636	917,974	916,123	919,837
53 - 57	502	422	586	883,638	881,326	885,956	884,140	881,899	886,391	324	250	402	883,638	881,326	885,956	883,962	881,704	886,230
58 - 62	699	582	823	836,133	833,339	838,900	836,832	834,143	839,527	409	301	524	836,133	833,339	838,900	836,542	833,829	839,255
63 - 67	872	713	1,039	769,998	766,689	773,230	770,870	767,690	773,988	432	284	587	769,998	766,689	773,230	770,430	767,213	773,587
68 - 72	944	749	1,151	678,494	674,893	682,007	679,438	675,987	682,816	326	136	522	678,494	674,893	682,007	678,820	675,316	682,239
73 - 77	827	613	1,057	554,326	550,744	557,788	555,153	551,747	558,451	40	-183	265	554,326	550,744	557,788	554,367	550,916	557,712
78 - 82	486	277	704	393,784	390,324	397,173	394,270	390,934	397,547	-381	-624	-144	393,784	390,324	397,173	393,402	390,052	396,694
83 - 87	52	-117	218	208,183	203,696	212,699	208,235	203,775	212,685	-691	-925	-476	208,183	203,696	212,699	207,492	203,061	211,905
88 - 92	-136	-261	-30	44,385	39,290	49,590	44,249	39,187	49,408	-477	-698	-282	44,385	39,290	49,590	43,908	38,885	49,027
93 - 97	-1	-4	2	5	-11	25	4	-9	20	-1	-4	2	5	-11	25	4	-9	20
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

2% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	4	3	5	988,756	988,189	989,305	988,760	988,193	989,309	4	3	4	988,756	988,189	989,305	988,760	988,193	989,309
28 - 32	22	19	25	982,030	981,252	982,794	982,052	981,276	982,815	19	16	22	982,030	981,252	982,794	982,049	981,273	982,812
33 - 37	65	56	75	972,766	971,766	973,763	972,831	971,837	973,823	55	47	64	972,766	971,766	973,763	972,821	971,826	973,813
38 - 42	150	129	171	959,978	958,732	961,234	960,128	958,898	961,370	124	106	144	959,978	958,732	961,234	960,102	958,871	961,345
43 - 47	293	252	335	942,285	940,758	943,830	942,578	941,077	944,098	237	201	276	942,285	940,758	943,830	942,523	941,018	944,045
48 - 52	508	437	581	917,749	915,866	919,636	918,256	916,426	920,095	401	338	469	917,749	915,866	919,636	918,150	916,313	919,994
53 - 57	798	685	915	883,638	881,326	885,956	884,436	882,214	886,658	611	510	718	883,638	881,326	885,956	884,249	882,021	886,483
58 - 62	1,143	978	1,316	836,133	833,339	838,900	837,276	834,632	839,931	839	691	996	836,133	833,339	838,900	836,971	834,309	839,646
63 - 67	1,485	1,262	1,718	769,998	766,689	773,230	771,483	768,357	774,536	1,023	823	1,234	769,998	766,689	773,230	771,021	767,875	774,112
68 - 72	1,716	1,442	2,007	678,494	674,893	682,007	680,210	676,839	683,511	1,069	824	1,329	678,494	674,893	682,007	679,563	676,137	682,898
73 - 77	1,695	1,396	2,011	554,326	550,744	557,788	556,021	552,691	559,235	871	600	1,161	554,326	550,744	557,788	555,197	551,820	558,464
78 - 82	1,317	1,042	1,614	393,784	390,324	397,173	395,101	391,812	398,338	408	140	684	393,784	390,324	397,173	394,192	390,879	397,443
83 - 87	659	460	871	208,183	203,696	212,699	208,842	204,373	213,320	-120	-348	98	208,183	203,696	212,699	208,063	203,612	212,490
88 - 92	98	-1	188	44,385	39,290	49,590	44,483	39,396	49,661	-259	-440	-103	44,385	39,290	49,590	44,126	39,078	49,272
93 - 97	-1	-6	2	5	-11	25	4	-8	19	-1	-6	2	5	-11	25	4	-8	19
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

2.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	5	4	6	988,756	988,189	989,305	988,761	988,194	989,311	5	4	6	988,756	988,189	989,305	988,761	988,194	989,310
28 - 32	29	25	33	982,030	981,252	982,794	982,059	981,283	982,822	26	22	30	982,030	981,252	982,794	982,055	981,280	982,819
33 - 37	87	75	99	972,766	971,766	973,763	972,852	971,860	973,843	76	65	87	972,766	971,766	973,763	972,842	971,849	973,833
38 - 42	200	174	228	959,978	958,732	961,234	960,178	958,952	961,413	173	149	199	959,978	958,732	961,234	960,151	958,924	961,389
43 - 47	393	341	447	942,285	940,758	943,830	942,679	941,184	944,188	335	287	385	942,285	940,758	943,830	942,620	941,123	944,134
48 - 52	687	596	781	917,749	915,866	919,636	918,436	916,620	920,258	575	492	661	917,749	915,866	919,636	918,324	916,502	920,155
53 - 57	1,089	943	1,239	883,638	881,326	885,956	884,728	882,528	886,925	893	761	1,032	883,638	881,326	885,956	884,531	882,322	886,744
58 - 62	1,579	1,365	1,801	836,133	833,339	838,900	837,712	835,115	840,331	1,260	1,068	1,463	836,133	833,339	838,900	837,393	834,779	840,036
63 - 67	2,086	1,794	2,389	769,998	766,689	773,230	772,084	769,023	775,085	1,603	1,345	1,875	769,998	766,689	773,230	771,601	768,506	774,628
68 - 72	2,471	2,113	2,846	678,494	674,893	682,007	680,966	677,666	684,187	1,795	1,478	2,131	678,494	674,893	682,007	680,289	676,959	683,564
73 - 77	2,543	2,154	2,959	554,326	550,744	557,788	556,869	553,624	559,999	1,682	1,340	2,047	554,326	550,744	557,788	556,009	552,712	559,190
78 - 82	2,128	1,769	2,514	393,784	390,324	397,173	395,912	392,662	399,120	1,179	861	1,522	393,784	390,324	397,173	394,962	391,702	398,173
83 - 87	1,251	997	1,525	208,183	203,696	212,699	209,434	204,966	213,926	437	196	685	208,183	203,696	212,699	208,620	204,163	213,065
88 - 92	327	228	435	44,385	39,290	49,590	44,712	39,595	49,916	-47	-197	83	44,385	39,290	49,590	44,338	39,261	49,502
93 - 97	-2	-7	3	5	-11	25	3	-8	18	-1	-7	3	5	-11	25	4	-8	18
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

3% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	7	6	8	988,756	988,189	989,305	988,763	988,195	989,312	6	5	7	988,756	988,189	989,305	988,762	988,195	989,311
28 - 32	36	31	41	982,030	981,252	982,794	982,065	981,290	982,829	32	28	37	982,030	981,252	982,794	982,062	981,287	982,825
33 - 37	108	94	122	972,766	971,766	973,763	972,873	971,883	973,863	97	84	110	972,766	971,766	973,763	972,862	971,871	973,852
38 - 42	250	218	283	959,978	958,732	961,234	960,228	959,007	961,460	221	191	252	959,978	958,732	961,234	960,199	958,975	961,434
43 - 47	493	429	557	942,285	940,758	943,830	942,778	941,292	944,277	431	373	492	942,285	940,758	943,830	942,717	941,226	944,222
48 - 52	864	752	978	917,749	915,866	919,636	918,613	916,815	920,419	747	644	852	917,749	915,866	919,636	918,495	916,689	920,310
53 - 57	1,376	1,196	1,559	883,638	881,326	885,956	885,014	882,845	887,192	1,171	1,008	1,340	883,638	881,326	885,956	884,809	882,621	886,997
58 - 62	2,008	1,742	2,279	836,133	833,339	838,900	838,140	835,584	840,708	1,674	1,435	1,924	836,133	833,339	838,900	837,807	835,232	840,406
63 - 67	2,675	2,316	3,049	769,998	766,689	773,230	772,673	769,678	775,615	2,171	1,850	2,505	769,998	766,689	773,230	772,169	769,131	775,145
68 - 72	3,210	2,765	3,675	678,494	674,893	682,007	681,705	678,481	684,869	2,505	2,113	2,919	678,494	674,893	682,007	681,000	677,720	684,214
73 - 77	3,371	2,889	3,886	554,326	550,744	557,788	557,698	554,528	560,763	2,475	2,050	2,927	554,326	550,744	557,788	556,802	553,585	559,911
78 - 82	2,920	2,471	3,398	393,784	390,324	397,173	396,704	393,491	399,865	1,931	1,544	2,348	393,784	390,324	397,173	395,715	392,490	398,894
83 - 87	1,829	1,511	2,174	208,183	203,696	212,699	210,012	205,538	214,515	981	706	1,277	208,183	203,696	212,699	209,164	204,706	213,622
88 - 92	551	425	698	44,385	39,290	49,590	44,936	39,787	50,186	161	28	284	44,385	39,290	49,590	44,546	39,451	49,723
93 - 97	-2	-8	3	5	-11	25	3	-7	16	-2	-8	3	5	-11	25	3	-7	16
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

3.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	8	7	9	988,756	988,189	989,305	988,764	988,197	989,313	7	6	8	988,756	988,189	989,305	988,763	988,196	989,313
28 - 32	43	37	48	982,030	981,252	982,794	982,072	981,297	982,835	39	34	45	982,030	981,252	982,794	982,069	981,293	982,832
33 - 37	129	112	146	972,766	971,766	973,763	972,895	971,904	973,883	117	102	133	972,766	971,766	973,763	972,883	971,893	973,872
38 - 42	299	262	338	959,978	958,732	961,234	960,277	959,058	961,507	269	234	306	959,978	958,732	961,234	960,247	959,030	961,478
43 - 47	591	516	667	942,285	940,758	943,830	942,877	941,396	944,370	527	457	599	942,285	940,758	943,830	942,812	941,328	944,309
48 - 52	1,038	906	1,173	917,749	915,866	919,636	918,787	917,004	920,576	916	794	1,042	917,749	915,866	919,636	918,665	916,875	920,462
53 - 57	1,659	1,446	1,875	883,638	881,326	885,956	885,297	883,156	887,456	1,444	1,250	1,644	883,638	881,326	885,956	885,083	882,923	887,251
58 - 62	2,428	2,113	2,747	836,133	833,339	838,900	838,561	836,037	841,090	2,081	1,796	2,375	836,133	833,339	838,900	838,214	835,670	840,770
63 - 67	3,252	2,824	3,693	769,998	766,689	773,230	773,250	770,316	776,128	2,728	2,341	3,127	769,998	766,689	773,230	772,726	769,747	775,654
68 - 72	3,934	3,406	4,486	678,494	674,893	682,007	682,428	679,292	685,519	3,201	2,730	3,692	678,494	674,893	682,007	681,695	678,485	684,844
73 - 77	4,181	3,606	4,788	554,326	550,744	557,788	558,507	555,432	561,520	3,250	2,742	3,792	554,326	550,744	557,788	557,576	554,434	560,623
78 - 82	3,693	3,154	4,260	393,784	390,324	397,173	397,477	394,303	400,602	2,666	2,201	3,166	393,784	390,324	397,173	396,450	393,260	399,589
83 - 87	2,394	2,011	2,814	208,183	203,696	212,699	210,577	206,101	215,080	1,513	1,188	1,863	208,183	203,696	212,699	209,696	205,241	214,168
88 - 92	770	602	961	44,385	39,290	49,590	45,155	39,952	50,436	365	234	501	44,385	39,290	49,590	44,749	39,632	49,954
93 - 97	-2	-9	4	5	-11	25	3	-7	15	-2	-9	4	5	-11	25	3	-7	15
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

4% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	9	8	11	988,756	988,189	989,305	988,765	988,198	989,315	9	7	10	988,756	988,189	989,305	988,765	988,197	989,314
28 - 32	49	43	56	982,030	981,252	982,794	982,079	981,304	982,842	46	39	52	982,030	981,252	982,794	982,075	981,300	982,838
33 - 37	150	131	169	972,766	971,766	973,763	972,915	971,927	973,902	137	120	156	972,766	971,766	973,763	972,903	971,914	973,891
38 - 42	348	305	393	959,978	958,732	961,234	960,326	959,110	961,556	317	276	360	959,978	958,732	961,234	960,295	959,077	961,524
43 - 47	689	602	776	942,285	940,758	943,830	942,974	941,500	944,459	621	541	704	942,285	940,758	943,830	942,907	941,430	944,398
48 - 52	1,211	1,058	1,366	917,749	915,866	919,636	918,960	917,189	920,740	1,083	942	1,228	917,749	915,866	919,636	918,832	917,056	920,615
53 - 57	1,937	1,692	2,185	883,638	881,326	885,956	885,575	883,461	887,710	1,714	1,488	1,943	883,638	881,326	885,956	885,352	883,217	887,504
58 - 62	2,841	2,478	3,209	836,133	833,339	838,900	838,974	836,490	841,468	2,480	2,148	2,820	836,133	833,339	838,900	838,613	836,099	841,134
63 - 67	3,817	3,323	4,324	769,998	766,689	773,230	773,815	770,946	776,637	3,273	2,828	3,738	769,998	766,689	773,230	773,271	770,356	776,138
68 - 72	4,641	4,033	5,278	678,494	674,893	682,007	683,135	680,072	686,154	3,881	3,330	4,455	678,494	674,893	682,007	682,375	679,253	685,450
73 - 77	4,972	4,307	5,673	554,326	550,744	557,788	559,299	556,301	562,256	4,007	3,416	4,636	554,326	550,744	557,788	558,333	555,265	561,330
78 - 82	4,449	3,821	5,108	393,784	390,324	397,173	398,232	395,087	401,317	3,384	2,839	3,967	393,784	390,324	397,173	397,167	394,004	400,267
83 - 87	2,945	2,492	3,437	208,183	203,696	212,699	211,129	206,644	215,642	2,032	1,651	2,444	208,183	203,696	212,699	210,215	205,750	214,714
88 - 92	984	772	1,222	44,385	39,290	49,590	45,369	40,137	50,671	563	417	725	44,385	39,290	49,590	44,948	39,799	50,193
93 - 97	-2	-10	4	5	-11	25	3	-6	14	-2	-10	4	5	-11	25	3	-6	14
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

4.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	11	9	12	988,756	988,189	989,305	988,767	988,199	989,316	10	8	11	988,756	988,189	989,305	988,766	988,198	989,315
28 - 32	56	49	64	982,030	981,252	982,794	982,086	981,311	982,848	52	45	60	982,030	981,252	982,794	982,082	981,307	982,844
33 - 37	171	149	193	972,766	971,766	973,763	972,936	971,949	973,922	158	137	179	972,766	971,766	973,763	972,923	971,935	973,909
38 - 42	397	348	448	959,978	958,732	961,234	960,375	959,161	961,601	364	318	412	959,978	958,732	961,234	960,342	959,126	961,570
43 - 47	785	687	884	942,285	940,758	943,830	943,070	941,603	944,548	715	623	808	942,285	940,758	943,830	943,000	941,531	944,483
48 - 52	1,381	1,208	1,556	917,749	915,866	919,636	919,130	917,376	920,894	1,248	1,087	1,412	917,749	915,866	919,636	918,997	917,235	920,769
53 - 57	2,210	1,934	2,491	883,638	881,326	885,956	885,849	883,760	887,956	1,979	1,722	2,241	883,638	881,326	885,956	885,617	883,508	887,743
58 - 62	3,247	2,834	3,661	836,133	833,339	838,900	839,379	836,932	841,843	2,873	2,495	3,258	836,133	833,339	838,900	839,005	836,536	841,494
63 - 67	4,371	3,811	4,944	769,998	766,689	773,230	774,369	771,555	777,135	3,808	3,298	4,339	769,998	766,689	773,230	773,806	770,953	776,622
68 - 72	5,333	4,641	6,053	678,494	674,893	682,007	683,827	680,822	686,795	4,546	3,920	5,201	678,494	674,893	682,007	683,040	679,990	686,056
73 - 77	5,746	4,991	6,537	554,326	550,744	557,788	560,072	557,153	562,967	4,747	4,070	5,466	554,326	550,744	557,788	559,073	556,081	562,011
78 - 82	5,187	4,472	5,937	393,784	390,324	397,173	398,970	395,860	402,042	4,085	3,462	4,749	393,784	390,324	397,173	397,868	394,741	400,944
83 - 87	3,484	2,959	4,050	208,183	203,696	212,699	211,668	207,175	216,195	2,538	2,102	3,013	208,183	203,696	212,699	210,722	206,264	215,222
88 - 92	1,193	936	1,479	44,385	39,290	49,590	45,578	40,334	50,895	757	586	955	44,385	39,290	49,590	45,142	39,953	50,411
93 - 97	-2	-11	5	5	-11	25	3	-6	13	-2	-11	5	5	-11	25	3	-6	13
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.14, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on the transitions of 'switching' versus an extreme scenario for 'diversion from quitting'

5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	12	10	14	988,756	988,189	989,305	988,768	988,200	989,317	11	9	13	988,756	988,189	989,305	988,767	988,200	989,316
28 - 32	63	55	72	982,030	981,252	982,794	982,093	981,319	982,854	59	51	67	982,030	981,252	982,794	982,089	981,314	982,850
33 - 37	191	167	216	972,766	971,766	973,763	972,957	971,971	973,942	178	155	201	972,766	971,766	973,763	972,943	971,957	973,929
38 - 42	445	390	502	959,978	958,732	961,234	960,423	959,211	961,644	411	359	464	959,978	958,732	961,234	960,389	959,174	961,614
43 - 47	880	771	990	942,285	940,758	943,830	943,166	941,705	944,635	807	705	911	942,285	940,758	943,830	943,093	941,627	944,571
48 - 52	1,549	1,357	1,744	917,749	915,866	919,636	919,298	917,563	921,049	1,411	1,231	1,594	917,749	915,866	919,636	919,159	917,413	920,920
53 - 57	2,480	2,172	2,792	883,638	881,326	885,956	886,118	884,058	888,207	2,240	1,952	2,532	883,638	881,326	885,956	885,878	883,798	887,976
58 - 62	3,645	3,186	4,106	836,133	833,339	838,900	839,778	837,377	842,208	3,258	2,835	3,687	836,133	833,339	838,900	839,391	836,961	841,848
63 - 67	4,914	4,289	5,552	769,998	766,689	773,230	774,912	772,148	777,626	4,332	3,760	4,921	769,998	766,689	773,230	774,330	771,527	777,091
68 - 72	6,010	5,238	6,809	678,494	674,893	682,007	684,504	681,561	687,410	5,197	4,496	5,931	678,494	674,893	682,007	683,691	680,684	686,664
73 - 77	6,501	5,659	7,383	554,326	550,744	557,788	560,828	557,972	563,666	5,469	4,710	6,273	554,326	550,744	557,788	559,796	556,883	562,682
78 - 82	5,907	5,108	6,744	393,784	390,324	397,173	399,691	396,591	402,739	4,769	4,070	5,513	393,784	390,324	397,173	398,553	395,453	401,607
83 - 87	4,011	3,418	4,647	208,183	203,696	212,699	212,194	207,707	216,755	3,034	2,540	3,573	208,183	203,696	212,699	211,217	206,746	215,727
88 - 92	1,398	1,096	1,733	44,385	39,290	49,590	45,782	40,503	51,124	947	744	1,181	44,385	39,290	49,590	45,332	40,118	50,615
93 - 97	-3	-12	5	5	-11	25	2	-6	12	-3	-12	5	5	-11	25	2	-5	12
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': 13-17 years; for 'switching' and 'diversion from quitting': 18-22 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,651	993,282	994,009	0	0	0	993,650	993,281	994,009	993,651	993,282	994,009
23 - 27	21	18	24	988,756	988,189	989,305	988,777	988,210	989,327	20	16	23	988,756	988,189	989,305	988,776	988,208	989,325
28 - 32	94	80	108	982,030	981,252	982,794	982,124	981,351	982,883	89	76	103	982,030	981,252	982,794	982,119	981,346	982,879
33 - 37	258	222	294	972,766	971,766	973,763	973,023	972,042	974,004	245	211	280	972,766	971,766	973,763	973,011	972,029	973,991
38 - 42	558	483	634	959,978	958,732	961,234	960,536	959,335	961,744	531	459	604	959,978	958,732	961,234	960,509	959,307	961,718
43 - 47	1,038	900	1,178	942,285	940,758	943,830	943,324	941,876	944,772	987	854	1,122	942,285	940,758	943,830	943,272	941,819	944,725
48 - 52	1,740	1,511	1,971	917,749	915,866	919,636	919,489	917,781	921,212	1,650	1,430	1,873	917,749	915,866	919,636	919,399	917,684	921,128
53 - 57	2,685	2,333	3,040	883,638	881,326	885,956	886,323	884,291	888,379	2,538	2,201	2,879	883,638	881,326	885,956	886,176	884,134	888,237
58 - 62	3,835	3,336	4,344	836,133	833,339	838,900	839,968	837,605	842,367	3,609	3,131	4,094	836,133	833,339	838,900	839,742	837,361	842,153
63 - 67	5,082	4,421	5,753	769,998	766,689	773,230	775,080	772,340	777,767	4,754	4,128	5,393	769,998	766,689	773,230	774,752	771,986	777,456
68 - 72	6,196	5,398	7,015	678,494	674,893	682,007	684,690	681,770	687,559	5,751	4,994	6,524	678,494	674,893	682,007	684,245	681,292	687,141
73 - 77	6,812	5,937	7,713	554,326	550,744	557,788	561,138	558,264	563,956	6,258	5,437	7,106	554,326	550,744	557,788	560,584	557,679	563,434
78 - 82	6,463	5,627	7,328	393,784	390,324	397,173	400,247	397,117	403,355	5,859	5,089	6,665	393,784	390,324	397,173	399,643	396,506	402,758
83 - 87	4,769	4,109	5,454	208,183	203,696	212,699	212,952	208,409	217,568	4,255	3,659	4,876	208,183	203,696	212,699	212,438	207,928	217,036
88 - 92	1,935	1,487	2,413	44,385	39,290	49,590	46,319	40,978	51,772	1,701	1,318	2,110	44,385	39,290	49,590	46,085	40,780	51,500
93 - 97	-2	-8	3	5	-11	25	3	-7	17	-2	-8	3	5	-11	25	3	-7	17
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': 18-22 years; for 'switching' and 'diversion from quitting': 18-22 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	21	18	24	988,756	988,189	989,305	988,777	988,210	989,327	20	17	23	988,756	988,189	989,305	988,776	988,209	989,326
28 - 32	96	83	110	982,030	981,252	982,794	982,126	981,354	982,886	92	80	105	982,030	981,252	982,794	982,122	981,349	982,882
33 - 37	265	230	300	972,766	971,766	973,763	973,030	972,049	974,011	253	220	288	972,766	971,766	973,763	973,019	972,037	974,000
38 - 42	573	499	647	959,978	958,732	961,234	960,551	959,350	961,759	548	477	620	959,978	958,732	961,234	960,526	959,324	961,736
43 - 47	1,065	930	1,202	942,285	940,758	943,830	943,350	941,899	944,802	1,017	886	1,149	942,285	940,758	943,830	943,302	941,848	944,757
48 - 52	1,784	1,558	2,011	917,749	915,866	919,636	919,533	917,820	921,257	1,699	1,481	1,917	917,749	915,866	919,636	919,448	917,729	921,177
53 - 57	2,750	2,402	3,099	883,638	881,326	885,956	886,388	884,351	888,446	2,610	2,277	2,946	883,638	881,326	885,956	886,248	884,200	888,313
58 - 62	3,926	3,432	4,428	836,133	833,339	838,900	840,059	837,689	842,462	3,710	3,237	4,189	836,133	833,339	838,900	839,843	837,455	842,258
63 - 67	5,198	4,546	5,864	769,998	766,689	773,230	775,196	772,449	777,890	4,884	4,264	5,515	769,998	766,689	773,230	774,882	772,110	777,593
68 - 72	6,332	5,542	7,144	678,494	674,893	682,007	684,826	681,898	687,703	5,903	5,154	6,669	678,494	674,893	682,007	684,397	681,437	687,301
73 - 77	6,950	6,081	7,843	554,326	550,744	557,788	561,277	558,397	564,099	6,414	5,599	7,255	554,326	550,744	557,788	560,740	557,825	563,595
78 - 82	6,575	5,742	7,438	393,784	390,324	397,173	400,359	397,222	403,473	5,987	5,217	6,788	393,784	390,324	397,173	399,770	396,631	402,888
83 - 87	4,823	4,165	5,507	208,183	203,696	212,699	213,006	208,458	217,627	4,317	3,720	4,939	208,183	203,696	212,699	212,500	207,990	217,100
88 - 92	1,927	1,483	2,405	44,385	39,290	49,590	46,312	40,970	51,761	1,694	1,312	2,101	44,385	39,290	49,590	46,079	40,770	51,495
93 - 97	-2	-8	3	5	-11	25	3	-7	17	-2	-8	3	5	-11	25	3	-7	17
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': 23-27 years; for 'switching' and 'diversion from quitting': 23-27 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	29	25	32	982,030	981,252	982,794	982,058	981,282	982,822	28	24	31	982,030	981,252	982,794	982,057	981,281	982,821
33 - 37	120	105	134	972,766	971,766	973,763	972,885	971,894	973,876	115	101	129	972,766	971,766	973,763	972,880	971,889	973,872
38 - 42	314	276	353	959,978	958,732	961,234	960,292	959,071	961,525	301	264	338	959,978	958,732	961,234	960,279	959,058	961,512
43 - 47	651	571	730	942,285	940,758	943,830	942,937	941,457	944,429	623	546	700	942,285	940,758	943,830	942,909	941,428	944,402
48 - 52	1,170	1,026	1,314	917,749	915,866	919,636	918,919	917,139	920,702	1,117	978	1,256	917,749	915,866	919,636	918,866	917,082	920,652
53 - 57	1,894	1,659	2,127	883,638	881,326	885,956	885,532	883,409	887,677	1,802	1,577	2,027	883,638	881,326	885,956	885,441	883,312	887,593
58 - 62	2,794	2,444	3,141	836,133	833,339	838,900	838,927	836,430	841,432	2,649	2,313	2,981	836,133	833,339	838,900	838,782	836,278	841,300
63 - 67	3,782	3,311	4,256	769,998	766,689	773,230	773,780	770,885	776,621	3,566	3,118	4,019	769,998	766,689	773,230	773,564	770,655	776,423
68 - 72	4,668	4,083	5,262	678,494	674,893	682,007	683,163	680,051	686,218	4,372	3,818	4,935	678,494	674,893	682,007	682,866	679,733	685,947
73 - 77	5,152	4,500	5,814	554,326	550,744	557,788	559,478	556,453	562,480	4,779	4,167	5,401	554,326	550,744	557,788	559,105	556,048	562,131
78 - 82	4,861	4,245	5,504	393,784	390,324	397,173	398,644	395,436	401,792	4,452	3,878	5,050	393,784	390,324	397,173	398,236	395,038	401,385
83 - 87	3,522	3,046	4,032	208,183	203,696	212,699	211,706	207,202	216,281	3,174	2,738	3,638	208,183	203,696	212,699	211,357	206,861	215,919
88 - 92	1,373	1,063	1,710	44,385	39,290	49,590	45,758	40,467	51,138	1,215	945	1,505	44,385	39,290	49,590	45,600	40,344	50,944
93 - 97	-1	-6	3	5	-11	25	4	-8	19	-1	-6	3	5	-11	25	4	-8	19
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 28-32 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794
33 - 37	29	26	33	972,766	971,766	973,763	972,795	971,798	973,790	28	25	32	972,766	971,766	973,763	972,794	971,796	973,789
38 - 42	124	108	139	959,978	958,732	961,234	960,101	958,865	961,346	119	104	134	959,978	958,732	961,234	960,097	958,859	961,341
43 - 47	315	276	354	942,285	940,758	943,830	942,600	941,095	944,122	302	264	340	942,285	940,758	943,830	942,587	941,082	944,110
48 - 52	639	560	720	917,749	915,866	919,636	918,388	916,567	920,218	612	536	690	917,749	915,866	919,636	918,361	916,538	920,192
53 - 57	1,120	980	1,262	883,638	881,326	885,956	884,758	882,565	886,961	1,069	935	1,205	883,638	881,326	885,956	884,707	882,508	886,911
58 - 62	1,740	1,521	1,961	836,133	833,339	838,900	837,872	835,262	840,479	1,654	1,445	1,866	836,133	833,339	838,900	837,787	835,171	840,404
63 - 67	2,434	2,129	2,746	769,998	766,689	773,230	772,432	769,408	775,402	2,303	2,012	2,601	769,998	766,689	773,230	772,301	769,260	775,284
68 - 72	3,063	2,677	3,462	678,494	674,893	682,007	681,557	678,290	684,754	2,880	2,514	3,259	678,494	674,893	682,007	681,374	678,084	684,585
73 - 77	3,404	2,969	3,858	554,326	550,744	557,788	557,730	554,518	560,872	3,173	2,765	3,600	554,326	550,744	557,788	557,499	554,262	560,656
78 - 82	3,193	2,777	3,633	393,784	390,324	397,173	396,976	393,711	400,191	2,940	2,555	3,353	393,784	390,324	397,173	396,724	393,449	399,952
83 - 87	2,265	1,945	2,609	208,183	203,696	212,699	210,448	205,923	215,002	2,051	1,761	2,364	208,183	203,696	212,699	210,234	205,711	214,787
88 - 92	844	650	1,055	44,385	39,290	49,590	45,229	40,004	50,542	747	580	929	44,385	39,290	49,590	45,132	39,914	50,430
93 - 97	-1	-5	2	5	-11	25	4	-8	20	-1	-5	2	5	-11	25	4	-8	20
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 33-37 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794
33 - 37	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763
38 - 42	30	26	34	959,978	958,732	961,234	960,008	958,764	961,261	29	25	32	959,978	958,732	961,234	960,006	958,763	961,260
43 - 47	116	102	131	942,285	940,758	943,830	942,402	940,884	943,939	111	97	126	942,285	940,758	943,830	942,397	940,879	943,935
48 - 52	292	255	330	917,749	915,866	919,636	918,041	916,185	919,900	280	244	316	917,749	915,866	919,636	918,028	916,172	919,889
53 - 57	581	507	655	883,638	881,326	885,956	884,219	881,972	886,468	555	484	626	883,638	881,326	885,956	884,193	881,944	886,446
58 - 62	975	851	1,101	836,133	833,339	838,900	837,108	834,415	839,786	928	810	1,049	836,133	833,339	838,900	837,061	834,363	839,744
63 - 67	1,433	1,251	1,619	769,998	766,689	773,230	771,431	768,278	774,513	1,358	1,185	1,535	769,998	766,689	773,230	771,356	768,193	774,443
68 - 72	1,861	1,624	2,106	678,494	674,893	682,007	680,355	676,951	683,672	1,753	1,529	1,985	678,494	674,893	682,007	680,247	676,834	683,574
73 - 77	2,102	1,832	2,387	554,326	550,744	557,788	556,428	553,067	559,676	1,964	1,710	2,232	554,326	550,744	557,788	556,291	552,916	559,557
78 - 82	1,979	1,719	2,259	393,784	390,324	397,173	395,763	392,419	399,036	1,829	1,587	2,090	393,784	390,324	397,173	395,613	392,259	398,892
83 - 87	1,393	1,194	1,609	208,183	203,696	212,699	209,576	205,062	214,117	1,268	1,085	1,465	208,183	203,696	212,699	209,451	204,940	213,998
88 - 92	511	395	638	44,385	39,290	49,590	44,896	39,707	50,164	456	354	566	44,385	39,290	49,590	44,841	39,663	50,095
93 - 97	-1	-4	2	5	-11	25	4	-9	21	-1	-4	2	5	-11	25	4	-9	21
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 38-42 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794
33 - 37	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763
38 - 42	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234
43 - 47	22	19	25	942,285	940,758	943,830	942,307	940,782	943,851	21	18	24	942,285	940,758	943,830	942,306	940,781	943,850
48 - 52	97	84	109	917,749	915,866	919,636	917,845	915,970	919,727	92	80	104	917,749	915,866	919,636	917,841	915,965	919,722
53 - 57	248	216	281	883,638	881,326	885,956	883,886	881,603	886,175	236	206	267	883,638	881,326	885,956	883,874	881,588	886,164
58 - 62	476	415	539	836,133	833,339	838,900	836,609	833,857	839,338	451	393	512	836,133	833,339	838,900	836,584	833,829	839,313
63 - 67	758	661	858	769,998	766,689	773,230	770,756	767,523	773,905	716	624	812	769,998	766,689	773,230	770,714	767,475	773,866
68 - 72	1,034	902	1,173	678,494	674,893	682,007	679,528	676,034	682,935	972	847	1,104	678,494	674,893	682,007	679,466	675,964	682,879
73 - 77	1,201	1,044	1,367	554,326	550,744	557,788	555,528	552,069	558,870	1,121	973	1,278	554,326	550,744	557,788	555,447	551,985	558,794
78 - 82	1,143	989	1,308	393,784	390,324	397,173	394,927	391,533	398,247	1,056	912	1,210	393,784	390,324	397,173	394,839	391,436	398,159
83 - 87	801	683	928	208,183	203,696	212,699	208,984	204,491	213,527	728	621	845	208,183	203,696	212,699	208,912	204,421	213,454
88 - 92	289	224	361	44,385	39,290	49,590	44,674	39,525	49,906	258	201	320	44,385	39,290	49,590	44,642	39,503	49,872
93 - 97	-1	-3	1	5	-11	25	4	-9	21	-1	-3	1	5	-11	25	4	-9	22
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 43-47 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794
33 - 37	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763
38 - 42	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234
43 - 47	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830
48 - 52	29	25	33	917,749	915,866	919,636	917,778	915,899	919,664	28	24	32	917,749	915,866	919,636	917,777	915,897	919,662
53 - 57	112	98	127	883,638	881,326	885,956	883,751	881,449	886,054	107	94	122	883,638	881,326	885,956	883,746	881,444	886,050
58 - 62	254	221	287	836,133	833,339	838,900	836,386	833,605	839,130	242	211	274	836,133	833,339	838,900	836,375	833,592	839,119
63 - 67	442	385	502	769,998	766,689	773,230	770,440	767,177	773,617	420	366	477	769,998	766,689	773,230	770,418	767,153	773,598
68 - 72	638	555	725	678,494	674,893	682,007	679,132	675,598	682,583	604	525	686	678,494	674,893	682,007	679,098	675,562	682,552
73 - 77	767	666	874	554,326	550,744	557,788	555,093	551,593	558,474	721	625	823	554,326	550,744	557,788	555,047	551,543	558,433
78 - 82	743	643	852	393,784	390,324	397,173	394,527	391,111	397,863	692	598	795	393,784	390,324	397,173	394,476	391,060	397,816
83 - 87	524	446	608	208,183	203,696	212,699	208,707	204,206	213,246	482	410	560	208,183	203,696	212,699	208,665	204,164	213,202
88 - 92	189	146	235	44,385	39,290	49,590	44,574	39,448	49,797	171	133	212	44,385	39,290	49,590	44,556	39,433	49,778
93 - 97	-1	-3	1	5	-11	25	4	-9	22	-1	-3	1	5	-11	25	4	-9	22
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 48-52 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794
33 - 37	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763
38 - 42	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234
43 - 47	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830
48 - 52	0	0	0	917,749	915,866	919,636	917,749	915,866	919,636	0	0	0	917,749	915,866	919,636	917,749	915,866	919,636
53 - 57	25	22	29	883,638	881,326	885,956	883,664	881,352	885,979	24	21	28	883,638	881,326	885,956	883,663	881,351	885,978
58 - 62	85	74	96	836,133	833,339	838,900	836,218	833,429	838,975	81	70	92	836,133	833,339	838,900	836,214	833,425	838,971
63 - 67	180	156	204	769,998	766,689	773,230	770,178	766,888	773,391	171	149	194	769,998	766,689	773,230	770,169	766,879	773,383
68 - 72	291	253	331	678,494	674,893	682,007	678,785	675,210	682,268	276	239	314	678,494	674,893	682,007	678,770	675,194	682,254
73 - 77	375	324	428	554,326	550,744	557,788	554,701	551,159	558,123	353	305	404	554,326	550,744	557,788	554,679	551,136	558,104
78 - 82	378	325	434	393,784	390,324	397,173	394,161	390,721	397,525	353	304	406	393,784	390,324	397,173	394,137	390,696	397,502
83 - 87	271	230	315	208,183	203,696	212,699	208,454	203,960	212,978	250	212	292	208,183	203,696	212,699	208,434	203,942	212,959
88 - 92	97	75	122	44,385	39,290	49,590	44,482	39,370	49,708	89	69	111	44,385	39,290	49,590	44,474	39,364	49,697
93 - 97	0	-2	1	5	-11	25	5	-10	23	0	-2	1	5	-11	25	5	-10	23
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 53-57 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794
33 - 37	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763
38 - 42	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234
43 - 47	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830
48 - 52	0	0	0	917,749	915,866	919,636	917,749	915,866	919,636	0	0	0	917,749	915,866	919,636	917,749	915,866	919,636
53 - 57	0	0	0	883,638	881,326	885,956	883,638	881,326	885,956	0	0	0	883,638	881,326	885,956	883,638	881,326	885,956
58 - 62	12	11	14	836,133	833,339	838,900	836,145	833,352	838,910	12	10	13	836,133	833,339	838,900	836,144	833,351	838,909
63 - 67	46	40	53	769,998	766,689	773,230	770,044	766,740	773,273	44	38	50	769,998	766,689	773,230	770,042	766,738	773,271
68 - 72	99	86	113	678,494	674,893	682,007	678,593	675,000	682,096	94	82	108	678,494	674,893	682,007	678,588	674,995	682,092
73 - 77	148	128	170	554,326	550,744	557,788	554,475	550,909	557,921	141	121	161	554,326	550,744	557,788	554,467	550,900	557,914
78 - 82	163	140	188	393,784	390,324	397,173	393,946	390,492	397,325	153	131	177	393,784	390,324	397,173	393,937	390,482	397,316
83 - 87	122	103	143	208,183	203,696	212,699	208,305	203,818	212,829	114	96	133	208,183	203,696	212,699	208,297	203,810	212,821
88 - 92	45	34	56	44,385	39,290	49,590	44,429	39,328	49,643	41	32	52	44,385	39,290	49,590	44,426	39,325	49,639
93 - 97	0	-2	1	5	-11	25	5	-10	23	0	-2	1	5	-11	25	5	-10	23
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 58-62 years

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794
33 - 37	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763
38 - 42	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234
43 - 47	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830
48 - 52	0	0	0	917,749	915,866	919,636	917,749	915,866	919,636	0	0	0	917,749	915,866	919,636	917,749	915,866	919,636
53 - 57	0	0	0	883,638	881,326	885,956	883,638	881,326	885,956	0	0	0	883,638	881,326	885,956	883,638	881,326	885,956
58 - 62	0	0	0	836,133	833,339	838,900	836,133	833,339	838,900	0	0	0	836,133	833,339	838,900	836,133	833,339	838,900
63 - 67	14	12	15	769,998	766,689	773,230	770,011	766,704	773,242	13	11	15	769,998	766,689	773,230	770,011	766,704	773,242
68 - 72	44	38	50	678,494	674,893	682,007	678,538	674,940	682,046	42	36	48	678,494	674,893	682,007	678,536	674,938	682,045
73 - 77	78	67	89	554,326	550,744	557,788	554,404	550,829	557,858	74	64	85	554,326	550,744	557,788	554,400	550,825	557,855
78 - 82	93	80	108	393,784	390,324	397,173	393,877	390,415	397,261	88	76	102	393,784	390,324	397,173	393,872	390,411	397,256
83 - 87	73	62	86	208,183	203,696	212,699	208,256	203,772	212,778	69	58	81	208,183	203,696	212,699	208,252	203,768	212,774
88 - 92	27	21	35	44,385	39,290	49,590	44,412	39,314	49,623	26	19	32	44,385	39,290	49,590	44,410	39,312	49,621
93 - 97	0	-1	0	5	-11	25	5	-10	23	0	-1	0	5	-11	25	5	-10	23
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E3.15, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on purchase probability projections for the 'Master model': Increasing age category at MRTTP availability

First Age Category of Camel SNUS availability

For 'Alternative initiation' and 'additional initiation': N/A; for 'switching' and 'diversion from quitting': 63-67

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428	0	0	0	997,252	997,070	997,428	997,252	997,070	997,428
18 - 22	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009	0	0	0	993,650	993,281	994,009	993,650	993,281	994,009
23 - 27	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305	0	0	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794	0	0	0	982,030	981,252	982,794	982,030	981,252	982,794
33 - 37	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763	0	0	0	972,766	971,766	973,763	972,766	971,766	973,763
38 - 42	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234	0	0	0	959,978	958,732	961,234	959,978	958,732	961,234
43 - 47	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830	0	0	0	942,285	940,758	943,830	942,285	940,758	943,830
48 - 52	0	0	0	917,749	915,866	919,636	917,749	915,866	919,636	0	0	0	917,749	915,866	919,636	917,749	915,866	919,636
53 - 57	0	0	0	883,638	881,326	885,956	883,638	881,326	885,956	0	0	0	883,638	881,326	885,956	883,638	881,326	885,956
58 - 62	0	0	0	836,133	833,339	838,900	836,133	833,339	838,900	0	0	0	836,133	833,339	838,900	836,133	833,339	838,900
63 - 67	0	0	0	769,998	766,689	773,230	769,998	766,689	773,230	0	0	0	769,998	766,689	773,230	769,998	766,689	773,230
68 - 72	10	9	12	678,494	674,893	682,007	678,505	674,904	682,016	10	9	11	678,494	674,893	682,007	678,504	674,903	682,015
73 - 77	27	24	32	554,326	550,744	557,788	554,354	550,774	557,812	26	23	30	554,326	550,744	557,788	554,353	550,773	557,811
78 - 82	40	34	46	393,784	390,324	397,173	393,823	390,362	397,211	38	32	44	393,784	390,324	397,173	393,821	390,361	397,209
83 - 87	34	29	41	208,183	203,696	212,699	208,217	203,732	212,736	32	27	38	208,183	203,696	212,699	208,215	203,730	212,734
88 - 92	13	10	17	44,385	39,290	49,590	44,398	39,302	49,606	13	9	16	44,385	39,290	49,590	44,397	39,301	49,605
93 - 97	0	-1	0	5	-11	25	5	-10	24	0	-1	0	5	-11	25	5	-10	24
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_C3: Mean numbers of survivors in the 'master model' (no 'relapse'), the counterfactual scenario with 50% 'relapse' in the 'master model', and the difference between them, for all age categories

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	997,252	997,252	0	997,252	997,252
18 - 22	0	993,651	993,651	0	993,651	993,651
23 - 27	3	988,774	988,777	3	988,773	988,776
28 - 32	11	982,113	982,124	10	982,109	982,119
33 - 37	29	972,994	973,023	28	972,983	973,011
38 - 42	62	960,474	960,536	60	960,449	960,509
43 - 47	117	943,207	943,324	113	943,159	943,272
48 - 52	199	919,290	919,489	192	919,207	919,399
53 - 57	313	886,010	886,323	302	885,874	886,176
58 - 62	455	839,513	839,968	438	839,304	839,742
63 - 67	612	774,468	775,080	586	774,166	774,752
68 - 72	751	683,939	684,690	716	683,529	684,245
73 - 77	828	560,310	561,138	784	559,800	560,584
78 - 82	784	399,463	400,247	736	398,907	399,643
83 - 87	571	212,381	212,952	530	211,908	212,438
88 - 92	222	46,097	46,319	202	45,883	46,085
93 - 97	-1	4	3	-1	4	3
98 - 102	0	0	0	0	0	0

Table E_C4: Mean numbers of survivors in the 'master model' without 'alternative initiation' (no 'relapse'), the counterfactual scenario with 50% 'relapse' in the 'master model' without 'alternative initiation', and the difference between them, for all age categories

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' without 'alternative initiation' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model' without 'alternative initiation'	Difference in survivors	Number of survivors, Counterfactual, 'master model' without 'alternative initiation' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model' without 'alternative initiation'
13 - 17	0	997,252	997,252	0	997,252	997,252
18 - 22	0	993,650	993,650	0	993,650	993,650
23 - 27	3	988,772	988,775	3	988,771	988,774
28 - 32	10	982,109	982,119	11	982,104	982,115
33 - 37	28	972,987	973,015	28	972,975	973,003
38 - 42	62	960,462	960,524	60	960,437	960,497
43 - 47	117	943,190	943,307	113	943,143	943,256
48 - 52	200	919,268	919,468	193	919,186	919,379
53 - 57	314	885,983	886,297	303	885,849	886,152
58 - 62	457	839,483	839,940	441	839,276	839,717
63 - 67	614	774,439	775,053	589	774,140	774,729
68 - 72	755	683,917	684,672	720	683,511	684,231
73 - 77	832	560,303	561,135	788	559,797	560,585
78 - 82	788	399,477	400,265	740	398,925	399,665
83 - 87	574	212,415	212,989	532	211,943	212,475
88 - 92	223	46,129	46,352	203	45,914	46,117
93 - 97	-1	4	3	-1	4	3
98 - 102	0	0	0	0	0	0

Table E_C5: Mean numbers of survivors in the counterfactual scenario with 'diversion from quitting' (no 'relapse'), the counterfactual scenario with 50% 'relapse' in addition to 'diversion from quitting', and the difference between them, for all age categories

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'diversion from quitting' with 50% 'relapse'	Number of survivors, Counterfactual, 'diversion from quitting'	Difference in survivors	Number of survivors, Counterfactual, 'diversion from quitting' with 50% 'relapse'	Number of survivors, Counterfactual, 'diversion from quitting'
13 - 17	0	997,252	997,252	0	997,252	997,252
18 - 22	0	993,650	993,650	0	993,650	993,650
23 - 27	3	988,753	988,756	2	988,753	988,755
28 - 32	11	982,017	982,028	10	982,017	982,027
33 - 37	30	972,730	972,760	30	972,729	972,759
38 - 42	68	959,898	959,966	66	959,896	959,962
43 - 47	130	942,132	942,262	127	942,127	942,254
48 - 52	227	917,479	917,706	220	917,471	917,691
53 - 57	364	883,202	883,566	352	883,189	883,541
58 - 62	537	835,482	836,019	517	835,461	835,978
63 - 67	728	769,101	769,829	697	769,071	769,768
68 - 72	900	677,360	678,260	859	677,317	678,176
73 - 77	995	553,032	554,027	944	552,978	553,922
78 - 82	943	392,506	393,449	885	392,447	393,332
83 - 87	685	207,203	207,888	635	207,152	207,787
88 - 92	265	43,978	44,243	241	43,955	44,196
93 - 97	0	5	5	0	5	5
98 - 102	0	0	0	0	0	0

Table E_C6: Mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' (no 'relapse'), mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' with 50% 'relapse', and the difference between them, for all age categories

0% 'switching'

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	997,252	997,252	0	997,252	997,252
18 - 22	0	993,650	993,650	0	993,650	993,650
23 - 27	2	988,751	988,753	2	988,751	988,753
28 - 32	11	982,009	982,020	10	982,008	982,018
33 - 37	31	972,708	972,739	30	972,705	972,735
38 - 42	68	959,853	959,921	66	959,847	959,913
43 - 47	131	942,050	942,181	127	942,040	942,167
48 - 52	227	917,348	917,575	220	917,331	917,551
53 - 57	364	883,008	883,372	351	882,981	883,332
58 - 62	537	835,215	835,752	516	835,175	835,691
63 - 67	727	768,765	769,492	696	768,708	769,404
68 - 72	899	676,979	677,878	858	676,903	677,761
73 - 77	994	552,666	553,660	943	552,575	553,518
78 - 82	942	392,246	393,188	884	392,153	393,037
83 - 87	684	207,133	207,817	634	207,061	207,695
88 - 92	265	44,067	44,332	241	44,041	44,282
93 - 97	0	5	5	0	5	5
98 - 102	0	0	0	0	0	0

Table E_C6, cont.: Mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' (no 'relapse'), mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' with 50% 'relapse', and the difference between them, for all age categories

0.5% 'switching'

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	997,252	997,252	0	997,252	997,252
18 - 22	0	993,650	993,650	0	993,650	993,650
23 - 27	3	988,752	988,755	2	988,752	988,754
28 - 32	11	982,016	982,027	11	982,014	982,025
33 - 37	30	972,730	972,760	30	972,726	972,756
38 - 42	67	959,905	959,972	65	959,898	959,963
43 - 47	129	942,156	942,285	124	942,143	942,267
48 - 52	224	917,539	917,763	216	917,516	917,732
53 - 57	357	883,322	883,679	344	883,284	883,628
58 - 62	524	835,690	836,214	505	835,631	836,136
63 - 67	710	769,423	770,133	680	769,339	770,019
68 - 72	876	677,811	678,687	836	677,697	678,533
73 - 77	969	553,601	554,570	917	553,463	554,380
78 - 82	916	393,140	394,056	860	392,994	393,854
83 - 87	665	207,783	208,448	617	207,665	208,282
88 - 92	258	44,316	44,574	235	44,269	44,504
93 - 97	0	5	5	0	5	5
98 - 102	0	0	0	0	0	0

Table E_C6, cont.: Mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' (no 'relapse'), mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' with 50% 'relapse', and the difference between them, for all age categories

1% 'switching'

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	997,252	997,252	0	997,252	997,252
18 - 22	0	993,650	993,650	0	993,650	993,650
23 - 27	2	988,754	988,756	2	988,753	988,755
28 - 32	11	982,023	982,034	11	982,021	982,032
33 - 37	30	972,752	972,782	30	972,747	972,777
38 - 42	66	959,957	960,023	64	959,948	960,012
43 - 47	127	942,261	942,388	122	942,245	942,367
48 - 52	219	917,728	917,947	212	917,698	917,910
53 - 57	350	883,631	883,981	337	883,582	883,919
58 - 62	513	836,155	836,668	493	836,079	836,572
63 - 67	692	770,068	770,760	663	769,957	770,620
68 - 72	854	678,624	679,478	814	678,474	679,288
73 - 77	943	554,515	555,458	894	554,329	555,223
78 - 82	891	394,013	394,904	837	393,814	394,651
83 - 87	648	208,416	209,064	600	208,254	208,854
88 - 92	251	44,560	44,811	229	44,491	44,720
93 - 97	-1	5	4	-1	5	4
98 - 102	0	0	0	0	0	0

Table E_C6, cont.: Mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' (no 'relapse'), mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' with 50% 'relapse', and the difference between them, for all age categories

1.5% 'switching'

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	997,252	997,252	0	997,252	997,252
18 - 22	0	993,650	993,650	0	993,650	993,650
23 - 27	2	988,755	988,757	3	988,754	988,757
28 - 32	11	982,030	982,041	10	982,028	982,038
33 - 37	30	972,773	972,803	28	972,769	972,797
38 - 42	65	960,009	960,074	64	959,998	960,062
43 - 47	125	942,365	942,490	121	942,345	942,466
48 - 52	216	917,914	918,130	209	917,878	918,087
53 - 57	343	883,935	884,278	331	883,875	884,206
58 - 62	502	836,612	837,114	482	836,519	837,001
63 - 67	675	770,700	771,375	648	770,562	771,210
68 - 72	832	679,420	680,252	793	679,233	680,026
73 - 77	918	555,408	556,326	869	555,176	556,045
78 - 82	868	394,864	395,732	814	394,615	395,429
83 - 87	631	209,035	209,666	585	208,828	209,413
88 - 92	245	44,797	45,042	222	44,709	44,931
93 - 97	0	4	4	0	4	4
98 - 102	0	0	0	0	0	0

Table E_H1: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of ‘additional initiation’ with ‘delayed smoking’, ‘alternative initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’ (‘master model’); mortality rates for women

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,656	996,423	996,877	0	0	0	996,656	996,422	996,877	996,656	996,423	996,877
23 - 27	12	10	14	994,175	993,819	994,511	994,186	993,831	994,522	11	9	13	994,175	993,819	994,511	994,186	993,831	994,521
28 - 32	52	44	60	990,793	990,308	991,256	990,845	990,363	991,303	49	42	57	990,793	990,308	991,256	990,842	990,360	991,301
33 - 37	142	122	163	986,111	985,492	986,712	986,253	985,643	986,843	135	116	155	986,111	985,492	986,712	986,246	985,636	986,836
38 - 42	313	270	357	979,521	978,754	980,281	979,834	979,086	980,573	298	257	340	979,521	978,754	980,281	979,819	979,070	980,559
43 - 47	598	518	680	970,094	969,141	971,029	970,692	969,792	971,584	569	491	648	970,094	969,141	971,029	970,662	969,762	971,556
48 - 52	1,043	904	1,184	956,369	955,198	957,540	957,412	956,328	958,489	990	857	1,126	956,369	955,198	957,540	957,359	956,271	958,441
53 - 57	1,696	1,473	1,925	936,029	934,569	937,506	937,726	936,416	939,036	1,606	1,391	1,825	936,029	934,569	937,506	937,635	936,319	938,952
58 - 62	2,593	2,251	2,943	905,333	903,479	907,243	907,926	906,352	909,543	2,444	2,117	2,778	905,333	903,479	907,243	907,777	906,193	909,408
63 - 67	3,728	3,239	4,227	858,218	855,797	860,609	861,946	859,963	863,942	3,494	3,029	3,971	858,218	855,797	860,609	861,713	859,710	863,726
68 - 72	4,995	4,340	5,667	784,991	782,039	787,940	789,985	787,600	792,379	4,647	4,025	5,287	784,991	782,039	787,940	789,637	787,233	792,057
73 - 77	6,065	5,273	6,889	671,075	667,696	674,396	677,140	674,413	679,794	5,584	4,838	6,364	671,075	667,696	674,396	676,659	673,907	679,351
78 - 82	6,251	5,416	7,120	498,612	495,053	502,115	504,863	501,803	507,871	5,672	4,897	6,485	498,612	495,053	502,115	504,284	501,206	507,321
83 - 87	4,543	3,825	5,304	261,599	256,994	266,145	266,142	261,462	270,787	4,037	3,384	4,730	261,599	256,994	266,145	265,636	260,975	270,260
88 - 92	747	178	1,325	20,927	15,029	26,772	21,675	15,363	27,858	638	151	1,131	20,927	15,029	26,772	21,566	15,316	27,697
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H5: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'additional initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking'; mortality rates for women

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	10	9	12	994,175	993,819	994,511	994,185	993,830	994,521	10	8	12	994,175	993,819	994,511	994,184	993,829	994,520
28 - 32	49	42	57	990,793	990,308	991,256	990,842	990,360	991,301	47	40	54	990,793	990,308	991,256	990,840	990,358	991,299
33 - 37	138	118	158	986,111	985,492	986,712	986,249	985,638	986,839	131	112	151	986,111	985,492	986,712	986,242	985,631	986,832
38 - 42	306	264	349	979,521	978,754	980,281	979,828	979,078	980,567	292	251	333	979,521	978,754	980,281	979,813	979,062	980,553
43 - 47	588	509	669	970,094	969,141	971,029	970,682	969,782	971,575	560	483	638	970,094	969,141	971,029	970,653	969,752	971,547
48 - 52	1,030	893	1,169	956,369	955,198	957,540	957,399	956,313	958,479	978	846	1,112	956,369	955,198	957,540	957,347	956,257	958,430
53 - 57	1,680	1,458	1,906	936,029	934,569	937,506	937,709	936,398	939,021	1,590	1,377	1,807	936,029	934,569	937,506	937,620	936,302	938,938
58 - 62	2,573	2,233	2,920	905,333	903,479	907,243	907,906	906,328	909,526	2,426	2,101	2,757	905,333	903,479	907,243	907,759	906,174	909,391
63 - 67	3,706	3,221	4,202	858,218	855,797	860,609	861,924	859,937	863,922	3,475	3,011	3,949	858,218	855,797	860,609	861,693	859,686	863,709
68 - 72	4,974	4,323	5,643	784,991	782,039	787,940	789,965	787,576	792,360	4,629	4,011	5,266	784,991	782,039	787,940	789,620	787,213	792,043
73 - 77	6,052	5,263	6,872	671,075	667,696	674,396	677,127	674,394	679,784	5,575	4,830	6,350	671,075	667,696	674,396	676,650	673,892	679,348
78 - 82	6,251	5,418	7,118	498,612	495,053	502,115	504,863	501,795	507,875	5,676	4,901	6,485	498,612	495,053	502,115	504,288	501,206	507,329
83 - 87	4,557	3,833	5,323	261,599	256,994	266,145	266,156	261,468	270,804	4,053	3,397	4,751	261,599	256,994	266,145	265,652	260,991	270,282
88 - 92	756	176	1,347	20,927	15,029	26,772	21,683	15,360	27,872	647	149	1,152	20,927	15,029	26,772	21,575	15,312	27,711
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

0% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	-1	-1	-1	994,175	993,819	994,511	994,173	993,818	994,510	-2	-2	-2	994,175	993,819	994,511	994,173	993,817	994,510
28 - 32	-5	-6	-5	990,793	990,308	991,256	990,788	990,302	991,250	-6	-7	-6	990,793	990,308	991,256	990,787	990,301	991,250
33 - 37	-15	-15	-14	986,111	985,492	986,712	986,096	985,477	986,698	-17	-18	-16	986,111	985,492	986,712	986,094	985,475	986,696
38 - 42	-31	-33	-30	979,521	978,754	980,281	979,490	978,722	980,250	-36	-37	-34	979,521	978,754	980,281	979,486	978,718	980,246
43 - 47	-59	-62	-57	970,094	969,141	971,029	970,034	969,082	970,970	-67	-70	-64	970,094	969,141	971,029	970,026	969,074	970,962
48 - 52	-103	-106	-99	956,369	955,198	957,540	956,267	955,097	957,439	-117	-122	-112	956,369	955,198	957,540	956,252	955,081	957,425
53 - 57	-167	-173	-161	936,029	934,569	937,506	935,862	934,402	937,336	-192	-199	-185	936,029	934,569	937,506	935,838	934,377	937,312
58 - 62	-257	-266	-249	905,333	903,479	907,243	905,076	903,221	906,985	-298	-310	-287	905,333	903,479	907,243	905,035	903,180	906,945
63 - 67	-376	-389	-363	858,218	855,797	860,609	857,842	855,420	860,231	-439	-457	-422	858,218	855,797	860,609	857,779	855,353	860,169
68 - 72	-515	-534	-496	784,991	782,039	787,940	784,476	781,528	787,418	-608	-635	-583	784,991	782,039	787,940	784,382	781,433	787,326
73 - 77	-642	-669	-616	671,075	667,696	674,396	670,433	667,054	673,749	-769	-807	-733	671,075	667,696	674,396	670,306	666,924	673,627
78 - 82	-680	-717	-645	498,612	495,053	502,115	497,931	494,373	501,432	-830	-881	-782	498,612	495,053	502,115	497,782	494,220	501,281
83 - 87	-501	-542	-462	261,599	256,994	266,145	261,098	256,492	265,636	-628	-682	-576	261,599	256,994	266,145	260,971	256,374	265,503
88 - 92	-63	-91	-38	20,927	15,029	26,772	20,864	14,977	26,692	-88	-130	-51	20,927	15,029	26,772	20,839	14,969	26,657
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

0.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	-1	-1	-1	994,175	993,819	994,511	994,174	993,818	994,510	-1	-1	-1	994,175	993,819	994,511	994,174	993,818	994,510
28 - 32	-2	-2	-1	990,793	990,308	991,256	990,791	990,307	991,254	-3	-3	-2	990,793	990,308	991,256	990,791	990,306	991,253
33 - 37	-3	-4	-1	986,111	985,492	986,712	986,108	985,489	986,708	-5	-7	-3	986,111	985,492	986,712	986,105	985,487	986,706
38 - 42	-3	-6	1	979,521	978,754	980,281	979,519	978,754	980,277	-8	-11	-4	979,521	978,754	980,281	979,514	978,749	980,272
43 - 47	1	-7	9	970,094	969,141	971,029	970,094	969,148	971,027	-9	-17	-2	970,094	969,141	971,029	970,084	969,137	971,017
48 - 52	10	-4	25	956,369	955,198	957,540	956,380	955,217	957,542	-8	-21	6	956,369	955,198	957,540	956,361	955,197	957,525
53 - 57	29	4	54	936,029	934,569	937,506	936,058	934,616	937,514	-3	-26	21	936,029	934,569	937,506	936,026	934,583	937,483
58 - 62	59	21	100	905,333	903,479	907,243	905,393	903,569	907,269	7	-29	45	905,333	903,479	907,243	905,340	903,514	907,220
63 - 67	103	46	164	858,218	855,797	860,609	858,321	855,959	860,667	21	-33	77	858,218	855,797	860,609	858,239	855,871	860,588
68 - 72	154	76	238	784,991	782,039	787,940	785,145	782,259	788,016	32	-41	109	784,991	782,039	787,940	785,022	782,130	787,902
73 - 77	196	99	300	671,075	667,696	674,396	671,271	667,976	674,506	28	-61	123	671,075	667,696	674,396	671,103	667,807	674,343
78 - 82	199	97	309	498,612	495,053	502,115	498,810	495,326	502,244	-2	-93	99	498,612	495,053	502,115	498,610	495,122	502,049
83 - 87	136	47	230	261,599	256,994	266,145	261,735	257,130	266,273	-35	-111	48	261,599	256,994	266,145	261,564	256,961	266,101
88 - 92	35	-28	99	20,927	15,029	26,772	20,962	15,017	26,825	1	-41	46	20,927	15,029	26,772	20,928	15,005	26,778
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

1% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	0	0	0	994,175	993,819	994,511	994,175	993,819	994,511	0	0	0	994,175	993,819	994,511	994,174	993,819	994,511
28 - 32	2	1	3	990,793	990,308	991,256	990,795	990,311	991,258	1	0	2	990,793	990,308	991,256	990,794	990,310	991,257
33 - 37	9	6	12	986,111	985,492	986,712	986,120	985,501	986,719	6	4	9	986,111	985,492	986,712	986,117	985,499	986,716
38 - 42	26	19	33	979,521	978,754	980,281	979,547	978,783	980,303	20	13	27	979,521	978,754	980,281	979,541	978,777	980,298
43 - 47	60	46	75	970,094	969,141	971,029	970,154	969,209	971,083	48	34	63	970,094	969,141	971,029	970,142	969,196	971,071
48 - 52	121	94	149	956,369	955,198	957,540	956,491	955,336	957,643	100	74	126	956,369	955,198	957,540	956,469	955,314	957,622
53 - 57	221	174	269	936,029	934,569	937,506	936,250	934,825	937,689	183	139	229	936,029	934,569	937,506	936,212	934,785	937,652
58 - 62	370	295	447	905,333	903,479	907,243	905,704	903,914	907,546	306	236	380	905,333	903,479	907,243	905,640	903,846	907,486
63 - 67	572	460	689	858,218	855,797	860,609	858,790	856,473	861,097	471	366	582	858,218	855,797	860,609	858,689	856,366	861,002
68 - 72	808	653	973	784,991	782,039	787,940	785,799	782,996	788,601	657	513	812	784,991	782,039	787,940	785,647	782,833	788,462
73 - 77	1,014	821	1,219	671,075	667,696	674,396	672,089	668,888	675,248	805	625	995	671,075	667,696	674,396	671,880	668,669	675,046
78 - 82	1,055	851	1,272	498,612	495,053	502,115	499,667	496,255	503,029	806	618	1,007	498,612	495,053	502,115	499,418	495,999	502,782
83 - 87	756	580	943	261,599	256,994	266,145	262,356	257,743	266,894	543	389	708	261,599	256,994	266,145	262,142	257,533	266,681
88 - 92	131	1	262	20,927	15,029	26,772	21,059	15,049	26,966	88	-12	189	20,927	15,029	26,772	21,015	15,034	26,902
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

1.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	1	0	1	994,175	993,819	994,511	994,175	993,820	994,512	0	0	1	994,175	993,819	994,511	994,175	993,819	994,511
28 - 32	6	5	8	990,793	990,308	991,256	990,799	990,315	991,261	5	3	6	990,793	990,308	991,256	990,798	990,313	991,260
33 - 37	21	16	26	986,111	985,492	986,712	986,132	985,514	986,731	18	14	22	986,111	985,492	986,712	986,128	985,511	986,728
38 - 42	55	44	65	979,521	978,754	980,281	979,576	978,813	980,330	48	38	58	979,521	978,754	980,281	979,569	978,806	980,323
43 - 47	119	97	141	970,094	969,141	971,029	970,213	969,276	971,138	105	85	127	970,094	969,141	971,029	970,199	969,261	971,125
48 - 52	231	191	272	956,369	955,198	957,540	956,601	955,455	957,741	206	167	245	956,369	955,198	957,540	956,575	955,429	957,717
53 - 57	411	341	482	936,029	934,569	937,506	936,440	935,028	937,861	366	299	433	936,029	934,569	937,506	936,395	934,979	937,817
58 - 62	675	564	789	905,333	903,479	907,243	906,009	904,255	907,822	600	494	709	905,333	903,479	907,243	905,934	904,175	907,752
63 - 67	1,031	864	1,204	858,218	855,797	860,609	859,250	856,982	861,516	912	754	1,076	858,218	855,797	860,609	859,130	856,855	861,402
68 - 72	1,447	1,215	1,688	784,991	782,039	787,940	786,438	783,701	789,169	1,267	1,050	1,497	784,991	782,039	787,940	786,258	783,506	789,003
73 - 77	1,812	1,523	2,117	671,075	667,696	674,396	672,887	669,776	675,951	1,563	1,294	1,848	671,075	667,696	674,396	672,638	669,509	675,722
78 - 82	1,890	1,582	2,215	498,612	495,053	502,115	500,502	497,163	503,800	1,592	1,311	1,893	498,612	495,053	502,115	500,204	496,847	503,519
83 - 87	1,361	1,095	1,642	261,599	256,994	266,145	262,961	258,351	267,510	1,106	870	1,357	261,599	256,994	266,145	262,705	258,105	267,246
88 - 92	225	29	423	20,927	15,029	26,772	21,153	15,091	27,100	173	14	333	20,927	15,029	26,772	21,100	15,066	27,024
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

2% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	1	1	2	994,175	993,819	994,511	994,176	993,821	994,512	1	1	2	994,175	993,819	994,511	994,176	993,820	994,512
28 - 32	10	8	12	990,793	990,308	991,256	990,803	990,319	991,265	9	7	11	990,793	990,308	991,256	990,802	990,317	991,264
33 - 37	33	27	39	986,111	985,492	986,712	986,143	985,526	986,741	29	24	35	986,111	985,492	986,712	986,140	985,523	986,738
38 - 42	83	69	97	979,521	978,754	980,281	979,604	978,843	980,356	75	62	89	979,521	978,754	980,281	979,596	978,835	980,349
43 - 47	177	149	207	970,094	969,141	971,029	970,271	969,338	971,192	162	134	190	970,094	969,141	971,029	970,255	969,321	971,177
48 - 52	340	286	394	956,369	955,198	957,540	956,709	955,574	957,840	311	259	363	956,369	955,198	957,540	956,680	955,543	957,813
53 - 57	597	505	690	936,029	934,569	937,506	936,626	935,227	938,033	546	458	635	936,029	934,569	937,506	936,575	935,171	937,985
58 - 62	975	827	1,125	905,333	903,479	907,243	906,308	904,592	908,090	889	749	1,032	905,333	903,479	907,243	906,222	904,501	908,008
63 - 67	1,481	1,260	1,709	858,218	855,797	860,609	859,699	857,477	861,920	1,343	1,134	1,560	858,218	855,797	860,609	859,562	857,331	861,790
68 - 72	2,071	1,765	2,388	784,991	782,039	787,940	787,062	784,391	789,729	1,864	1,575	2,166	784,991	782,039	787,940	786,854	784,164	789,532
73 - 77	2,590	2,207	2,992	671,075	667,696	674,396	673,665	670,632	676,656	2,302	1,943	2,681	671,075	667,696	674,396	673,377	670,328	676,385
78 - 82	2,703	2,295	3,133	498,612	495,053	502,115	501,315	498,046	504,554	2,358	1,983	2,758	498,612	495,053	502,115	500,970	497,691	504,227
83 - 87	1,951	1,598	2,324	261,599	256,994	266,145	263,550	258,906	268,124	1,654	1,339	1,990	261,599	256,994	266,145	263,253	258,626	267,813
88 - 92	317	56	583	20,927	15,029	26,772	21,244	15,154	27,229	256	39	474	20,927	15,029	26,772	21,183	15,118	27,148
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

2.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	2	2	3	994,175	993,819	994,511	994,177	993,821	994,513	2	1	2	994,175	993,819	994,511	994,176	993,821	994,513
28 - 32	14	11	16	990,793	990,308	991,256	990,807	990,323	991,269	12	10	15	990,793	990,308	991,256	990,805	990,321	991,267
33 - 37	44	37	52	986,111	985,492	986,712	986,155	985,539	986,752	41	34	48	986,111	985,492	986,712	986,151	985,535	986,749
38 - 42	111	93	129	979,521	978,754	980,281	979,632	978,873	980,383	102	85	119	979,521	978,754	980,281	979,624	978,864	980,375
43 - 47	235	199	271	970,094	969,141	971,029	970,329	969,402	971,246	218	183	252	970,094	969,141	971,029	970,311	969,383	971,229
48 - 52	447	380	514	956,369	955,198	957,540	956,816	955,685	957,937	414	350	478	956,369	955,198	957,540	956,783	955,652	957,908
53 - 57	780	666	896	936,029	934,569	937,506	936,810	935,430	938,199	723	613	834	936,029	934,569	937,506	936,752	935,367	938,145
58 - 62	1,269	1,086	1,455	905,333	903,479	907,243	906,602	904,918	908,357	1,172	998	1,350	905,333	903,479	907,243	906,505	904,808	908,264
63 - 67	1,921	1,648	2,203	858,218	855,797	860,609	860,139	857,969	862,312	1,766	1,506	2,034	858,218	855,797	860,609	859,984	857,802	862,166
68 - 72	2,681	2,302	3,073	784,991	782,039	787,940	787,672	785,070	790,283	2,447	2,089	2,820	784,991	782,039	787,940	787,437	784,820	790,066
73 - 77	3,349	2,874	3,845	671,075	667,696	674,396	674,424	671,463	677,334	3,023	2,577	3,492	671,075	667,696	674,396	674,098	671,118	677,032
78 - 82	3,496	2,989	4,031	498,612	495,053	502,115	502,108	498,891	505,285	3,105	2,637	3,603	498,612	495,053	502,115	501,717	498,483	504,914
83 - 87	2,526	2,087	2,988	261,599	256,994	266,145	264,125	259,476	268,734	2,188	1,796	2,607	261,599	256,994	266,145	263,787	259,154	268,372
88 - 92	407	81	736	20,927	15,029	26,772	21,334	15,188	27,360	337	63	614	20,927	15,029	26,772	21,264	15,165	27,257
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

3% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	3	2	4	994,175	993,819	994,511	994,178	993,822	994,514	2	2	3	994,175	993,819	994,511	994,177	993,822	994,513
28 - 32	17	14	20	990,793	990,308	991,256	990,810	990,326	991,272	16	13	19	990,793	990,308	991,256	990,809	990,325	991,271
33 - 37	56	47	65	986,111	985,492	986,712	986,167	985,552	986,763	52	43	61	986,111	985,492	986,712	986,163	985,547	986,759
38 - 42	139	118	160	979,521	978,754	980,281	979,660	978,903	980,409	129	109	150	979,521	978,754	980,281	979,651	978,893	980,400
43 - 47	292	249	335	970,094	969,141	971,029	970,386	969,463	971,298	273	232	314	970,094	969,141	971,029	970,366	969,442	971,281
48 - 52	552	473	632	956,369	955,198	957,540	956,922	955,798	958,035	516	440	593	956,369	955,198	957,540	956,885	955,760	958,001
53 - 57	961	825	1,098	936,029	934,569	937,506	936,990	935,621	938,361	897	767	1,029	936,029	934,569	937,506	936,926	935,553	938,300
58 - 62	1,557	1,340	1,779	905,333	903,479	907,243	906,890	905,226	908,613	1,449	1,242	1,661	905,333	903,479	907,243	906,783	905,116	908,512
63 - 67	2,352	2,027	2,687	858,218	855,797	860,609	860,570	858,447	862,696	2,180	1,869	2,499	858,218	855,797	860,609	860,398	858,262	862,539
68 - 72	3,277	2,825	3,742	784,991	782,039	787,940	788,267	785,730	790,811	3,016	2,590	3,460	784,991	782,039	787,940	788,007	785,449	790,568
73 - 77	4,089	3,525	4,677	671,075	667,696	674,396	675,164	672,274	677,997	3,726	3,197	4,284	671,075	667,696	674,396	674,801	671,884	677,663
78 - 82	4,268	3,667	4,904	498,612	495,053	502,115	502,880	499,715	506,006	3,833	3,275	4,424	498,612	495,053	502,115	502,444	499,260	505,592
83 - 87	3,086	2,564	3,635	261,599	256,994	266,145	264,685	260,023	269,313	2,709	2,238	3,208	261,599	256,994	266,145	264,308	259,658	268,921
88 - 92	494	106	888	20,927	15,029	26,772	21,421	15,232	27,486	416	85	749	20,927	15,029	26,772	21,343	15,196	27,370
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

3.5% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	4	3	4	994,175	993,819	994,511	994,178	993,823	994,514	3	2	4	994,175	993,819	994,511	994,178	993,822	994,514
28 - 32	21	18	25	990,793	990,308	991,256	990,814	990,331	991,276	20	16	23	990,793	990,308	991,256	990,813	990,329	991,274
33 - 37	68	57	78	986,111	985,492	986,712	986,178	985,565	986,773	63	53	73	986,111	985,492	986,712	986,174	985,560	986,769
38 - 42	166	142	191	979,521	978,754	980,281	979,688	978,932	980,435	156	133	180	979,521	978,754	980,281	979,677	978,921	980,425
43 - 47	348	299	399	970,094	969,141	971,029	970,442	969,523	971,352	327	280	376	970,094	969,141	971,029	970,421	969,501	971,332
48 - 52	656	565	748	956,369	955,198	957,540	957,026	955,909	958,132	617	529	706	956,369	955,198	957,540	956,986	955,868	958,092
53 - 57	1,138	981	1,297	936,029	934,569	937,506	937,168	935,818	938,523	1,068	917	1,220	936,029	934,569	937,506	937,097	935,744	938,457
58 - 62	1,840	1,588	2,096	905,333	903,479	907,243	907,173	905,535	908,868	1,722	1,482	1,966	905,333	903,479	907,243	907,055	905,410	908,757
63 - 67	2,774	2,399	3,160	858,218	855,797	860,609	860,992	858,924	863,075	2,585	2,227	2,954	858,218	855,797	860,609	860,803	858,713	862,904
68 - 72	3,859	3,338	4,396	784,991	782,039	787,940	788,849	786,375	791,341	3,572	3,079	4,085	784,991	782,039	787,940	788,563	786,068	791,073
73 - 77	4,811	4,160	5,491	671,075	667,696	674,396	675,886	673,056	678,634	4,412	3,800	5,055	671,075	667,696	674,396	675,487	672,635	678,271
78 - 82	5,022	4,327	5,755	498,612	495,053	502,115	503,633	500,511	506,699	4,542	3,895	5,224	498,612	495,053	502,115	503,153	500,020	506,239
83 - 87	3,632	3,029	4,267	261,599	256,994	266,145	265,231	260,561	269,870	3,216	2,669	3,794	261,599	256,994	266,145	264,815	260,168	269,432
88 - 92	580	131	1,036	20,927	15,029	26,772	21,507	15,280	27,615	493	107	882	20,927	15,029	26,772	21,420	15,232	27,482
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H8, cont.: Numbers of survivors in the base case and counterfactual scenario and difference in survivors, counterfactual versus base case, for all age categories based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

4% 'switching'

Age interval	ERR=0.08									ERR=0.11								
	Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual			Difference in survivors			Number of survivors, base case			Number of survivors, counterfactual		
	Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI		Mean	95% PI	
13 - 17	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631	0	0	0	998,522	998,406	998,631	998,522	998,406	998,631
18 - 22	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877	0	0	0	996,656	996,422	996,877	996,655	996,422	996,877
23 - 27	4	3	5	994,175	993,819	994,511	994,179	993,824	994,515	4	3	5	994,175	993,819	994,511	994,179	993,823	994,515
28 - 32	25	21	29	990,793	990,308	991,256	990,818	990,335	991,279	23	19	27	990,793	990,308	991,256	990,816	990,333	991,278
33 - 37	79	68	91	986,111	985,492	986,712	986,190	985,577	986,784	74	63	86	986,111	985,492	986,712	986,185	985,572	986,779
38 - 42	194	166	221	979,521	978,754	980,281	979,715	978,961	980,461	182	156	209	979,521	978,754	980,281	979,704	978,950	980,450
43 - 47	404	348	461	970,094	969,141	971,029	970,498	969,582	971,403	381	328	436	970,094	969,141	971,029	970,475	969,559	971,382
48 - 52	759	656	864	956,369	955,198	957,540	957,128	956,017	958,229	716	616	817	956,369	955,198	957,540	957,085	955,972	958,187
53 - 57	1,313	1,135	1,493	936,029	934,569	937,506	937,342	936,005	938,682	1,237	1,066	1,409	936,029	934,569	937,506	937,266	935,925	938,612
58 - 62	2,118	1,832	2,408	905,333	903,479	907,243	907,451	905,841	909,118	1,989	1,717	2,267	905,333	903,479	907,243	907,323	905,701	909,001
63 - 67	3,187	2,762	3,624	858,218	855,797	860,609	861,405	859,382	863,446	2,981	2,576	3,399	858,218	855,797	860,609	861,199	859,158	863,258
68 - 72	4,428	3,837	5,034	784,991	782,039	787,940	789,418	787,003	791,858	4,116	3,557	4,695	784,991	782,039	787,940	789,106	786,669	791,569
73 - 77	5,516	4,779	6,284	671,075	667,696	674,396	676,591	673,833	679,269	5,081	4,387	5,807	671,075	667,696	674,396	676,156	673,366	678,865
78 - 82	5,756	4,969	6,584	498,612	495,053	502,115	504,368	501,277	507,393	5,233	4,499	6,008	498,612	495,053	502,115	503,844	500,748	506,889
83 - 87	4,164	3,482	4,883	261,599	256,994	266,145	265,764	261,079	270,425	3,711	3,090	4,366	261,599	256,994	266,145	265,310	260,642	269,945
88 - 92	663	155	1,182	20,927	15,029	26,772	21,590	15,324	27,734	568	130	1,012	20,927	15,029	26,772	21,495	15,269	27,599
93 - 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E_H3: Mean numbers of survivors in the 'master model' (no 'relapse'), the counterfactual scenario with 50% 'relapse' in the 'master model', and the difference between them, for all age categories; mortality rates for women

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	998,522	998,522	0	998,522	998,522
18 - 22	0	996,656	996,656	0	996,656	996,656
23 - 27	1	994,185	994,186	2	994,184	994,186
28 - 32	6	990,839	990,845	5	990,837	990,842
33 - 37	16	986,237	986,253	15	986,231	986,246
38 - 42	34	979,800	979,834	33	979,786	979,819
43 - 47	67	970,625	970,692	64	970,598	970,662
48 - 52	119	957,293	957,412	115	957,244	957,359
53 - 57	198	937,528	937,726	191	937,444	937,635
58 - 62	309	907,617	907,926	297	907,480	907,777
63 - 67	451	861,495	861,946	433	861,280	861,713
68 - 72	610	789,375	789,985	583	789,054	789,637
73 - 77	746	676,394	677,140	708	675,951	676,659
78 - 82	773	504,090	504,863	726	503,558	504,284
83 - 87	562	265,580	266,142	521	265,115	265,636
88 - 92	91	21,584	21,675	81	21,485	21,566
93 - 97	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0

Table E_H6: Mean numbers of survivors in the 'master model' without 'alternative initiation' (no 'relapse'), the counterfactual scenario with 50% 'relapse' in the 'master model' without 'alternative initiation', and the difference between them, for all age categories; mortality rates for women

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' without 'alternative initiation' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model' without 'alternative initiation'	Difference in survivors	Number of survivors, Counterfactual, 'master model' without 'alternative initiation' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model' without 'alternative initiation'
13 - 17	0	998,522	998,522	0	998,522	998,522
18 - 22	0	996,655	996,655	0	996,655	996,655
23 - 27	1	994,184	994,185	1	994,183	994,184
28 - 32	6	990,836	990,842	6	990,834	990,840
33 - 37	16	986,233	986,249	16	986,226	986,242
38 - 42	35	979,793	979,828	34	979,779	979,813
43 - 47	67	970,615	970,682	65	970,588	970,653
48 - 52	120	957,279	957,399	116	957,231	957,347
53 - 57	199	937,510	937,709	193	937,427	937,620
58 - 62	310	907,596	907,906	299	907,460	907,759
63 - 67	453	861,471	861,924	435	861,258	861,693
68 - 72	614	789,351	789,965	586	789,034	789,620
73 - 77	751	676,376	677,127	712	675,938	676,650
78 - 82	777	504,086	504,863	730	503,558	504,288
83 - 87	565	265,591	266,156	524	265,128	265,652
88 - 92	90	21,593	21,683	82	21,493	21,575
93 - 97	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0

Table E_H10: Mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' (no 'relapse'), mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' with 50% 'relapse', and the difference between them, for all age categories; mortality rates for women

0% 'switching'

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	998,522	998,522	0	998,522	998,522
18 - 22	0	996,655	996,655	0	996,655	996,655
23 - 27	1	994,172	994,173	1	994,172	994,173
28 - 32	6	990,782	990,788	6	990,781	990,787
33 - 37	17	986,079	986,096	17	986,077	986,094
38 - 42	38	979,452	979,490	37	979,449	979,486
43 - 47	75	969,959	970,034	73	969,953	970,026
48 - 52	137	956,130	956,267	132	956,120	956,252
53 - 57	231	935,631	935,862	224	935,614	935,838
58 - 62	366	904,710	905,076	352	904,683	905,035
63 - 67	539	857,303	857,842	518	857,261	857,779
68 - 72	736	783,740	784,476	703	783,679	784,382
73 - 77	904	669,529	670,433	859	669,447	670,306
78 - 82	935	496,996	497,931	881	496,901	497,782
83 - 87	678	260,420	261,098	629	260,342	260,971
88 - 92	107	20,757	20,864	96	20,743	20,839
93 - 97	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0

Table E_H10, cont.: Mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' (no 'relapse'), mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' with 50% 'relapse', and the difference between them, for all age categories; mortality rates for women

0.5% 'switching'

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	998,522	998,522	0	998,522	998,522
18 - 22	0	996,655	996,655	0	996,655	996,655
23 - 27	1	994,173	994,174	2	994,172	994,174
28 - 32	5	990,786	990,791	6	990,785	990,791
33 - 37	17	986,091	986,108	16	986,089	986,105
38 - 42	38	979,481	979,519	37	979,477	979,514
43 - 47	74	970,020	970,094	71	970,013	970,084
48 - 52	135	956,245	956,380	129	956,232	956,361
53 - 57	226	935,832	936,058	218	935,808	936,026
58 - 62	358	905,035	905,393	344	904,996	905,340
63 - 67	526	857,795	858,321	505	857,734	858,239
68 - 72	716	784,429	785,145	684	784,338	785,022
73 - 77	878	670,393	671,271	834	670,269	671,103
78 - 82	909	497,901	498,810	855	497,755	498,610
83 - 87	659	261,076	261,735	611	260,953	261,564
88 - 92	104	20,858	20,962	94	20,834	20,928
93 - 97	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0

Table E_H10, cont.: Mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' (no 'relapse'), mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' with 50% 'relapse', and the difference between them, for all age categories; mortality rates for women

1% 'switching'

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	998,522	998,522	0	998,522	998,522
18 - 22	0	996,655	996,655	0	996,655	996,655
23 - 27	2	994,173	994,175	1	994,173	994,174
28 - 32	6	990,789	990,795	5	990,789	990,794
33 - 37	17	986,103	986,120	16	986,101	986,117
38 - 42	36	979,511	979,547	35	979,506	979,541
43 - 47	73	970,081	970,154	71	970,071	970,142
48 - 52	132	956,359	956,491	127	956,342	956,469
53 - 57	221	936,029	936,250	214	935,998	936,212
58 - 62	350	905,354	905,704	337	905,303	905,640
63 - 67	513	858,277	858,790	492	858,197	858,689
68 - 72	697	785,102	785,799	666	784,981	785,647
73 - 77	854	671,235	672,089	811	671,069	671,880
78 - 82	883	498,784	499,667	831	498,587	499,418
83 - 87	641	261,715	262,356	594	261,548	262,142
88 - 92	102	20,957	21,059	91	20,924	21,015
93 - 97	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0

Table E_H10, cont.: Mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' (no 'relapse'), mean numbers of survivors in tipping point analyses for the 'master model' without 'alternative initiation' with 50% 'relapse', and the difference between them, for all age categories; mortality rates for women

1.5% 'switching'

Age interval	ERR=0.08			ERR=0.11		
	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'	Difference in survivors	Number of survivors, Counterfactual, 'master model' with 50% 'relapse'	Number of survivors, Counterfactual, 'master model'
13 - 17	0	998,522	998,522	0	998,522	998,522
18 - 22	0	996,655	996,655	0	996,655	996,655
23 - 27	1	994,174	994,175	1	994,174	994,175
28 - 32	6	990,793	990,799	6	990,792	990,798
33 - 37	17	986,115	986,132	15	986,113	986,128
38 - 42	37	979,539	979,576	35	979,534	979,569
43 - 47	72	970,141	970,213	69	970,130	970,199
48 - 52	130	956,471	956,601	125	956,450	956,575
53 - 57	217	936,223	936,440	210	936,185	936,395
58 - 62	341	905,668	906,009	329	905,605	905,934
63 - 67	500	858,750	859,250	480	858,650	859,130
68 - 72	679	785,759	786,438	648	785,610	786,258
73 - 77	830	672,057	672,887	788	671,850	672,638
78 - 82	859	499,643	500,502	807	499,397	500,204
83 - 87	623	262,338	262,961	578	262,127	262,705
88 - 92	99	21,054	21,153	89	21,011	21,100
93 - 97	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0

Appendix F: Tipping Point Extrapolations

Tipping points were extrapolated from the results tables as shown in the following example. Note that *Table F1* is identical to *Table 3.4*, the results table from the tipping point analysis for the 'master model' without 'alternative initiation' for an ERR of 0.08.

Table F1: Results Table 3.4, Difference in survivors, counterfactual versus base case, for age category 68-72 years based on purchase probability projections for 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'

ERR	Additional Initiation ^a (%)	Gateway Effect ^b (%)	Diversion from Quitting ^c (%)	Switching ^d (%)	Mean	95% PI	
0.08	0.3	50	1.8-20.0	0.0	-616	-641	-592
				0.5	193	98	292
				1.0	984	797	1,176
				1.5	1,758	1,478	2,044
				2.0	2,514	2,145	2,894
				2.5	3,255	2,796	3,724
				3.0	3,979	3,434	4,537
				3.5	4,687	4,057	5,331
				4.0	5,380	4,665	6,109
				4.5	6,058	5,260	6,871
5.0	6,721	5,845	7,616				

^a Probability applied to age intervals 13-17, 18-22 and 23-27 years

^b Probability applied to age intervals 18-22, 23-27 and 28-32 years

^c Refer to *Table 2.3* for age interval-specific probabilities

^d Probability applied to age intervals 18+ years

Let μ and σ be the nearest negative and nearest positive results straddling 0.

In *Table 3.4* above,

$$\begin{aligned} \mu &= -616 \text{ and } \sigma = 193 \\ \mu_{95\%} &= -641 \text{ and } \sigma_{95\%} = 98 \\ \mu_{95\%} &= -592 \text{ and } \sigma_{95\%} = 292 \end{aligned}$$

Further, let p be the probability of 'switching' corresponding to μ or σ . In *Table 3.4* above, $p = 0$ and $p = 0.5$ for the mean and the lower and upper 95% PI. Note that, while not the case in this example, μ and σ may differ between the mean, the lower 95% PI and the upper 95% PI.

Assuming linearity of the mean and the boundaries of the 95% PI between any two modeled probabilities of 'switching',

$$\frac{0 - \dots}{-} = \frac{- \dots}{- \dots}$$

where \dots is the tipping point.

Therefore,

$$= (\dots - \dots) \frac{0 - \dots}{-} + \dots$$

The extrapolated tipping points are shown in *Table F2*. For the tipping point analysis in Results [Table 3.4](#) (ERR=0.08), if, starting at age 18, 0.33% of base case continuing smokers switch to MRTP use in the counterfactual scenario in each age category, then the survival deficit is no longer statistically significant. If, starting at age 18, 0.38% of base case continuing smokers switch to MRTP use in the counterfactual scenario in each age category, then the difference in survivors between the counterfactual scenario and the base case is 0. If, starting at age 18, 0.43% of base case continuing smokers switch to MRTP use in the counterfactual scenario in each age category, then there is a statistically significant survival benefit. Similarly, for an ERR of 0.11, if, starting at age 18, 0.42% of base case continuing smokers switch to MRTP use in the counterfactual scenario in each age category, then the survival deficit is no longer statistically significant. If, starting at age 18, 0.47% of base case continuing smokers switch to MRTP use in the counterfactual scenario in each age category, then the difference in survivors between the counterfactual scenario and the base case is 0. If, starting at age 18, 0.54% of base case continuing smokers switch to MRTP use in the counterfactual scenario in each age category, then there is a statistically significant survival benefit. The results for the other tipping point analyses are interpreted similarly.

Table F2: Extrapolated tipping points

Results table number	ERR	Tipping point (%)		
		Upper 95% PI	Mean	Lower 95% PI
3.4	0.08	0.33	0.38	0.43
	0.11	0.42	0.47	0.54
3.12	0.08	2.09	2.60	3.23
	0.11	3.39	4.12	5.05
3.13	0.08	2.06	2.43	2.90
	0.11	2.37	2.80	3.35
3.14	0.08	0.82	0.90	0.99
	0.11	1.17	1.29	1.41

Table F3 shows the extrapolated tipping points for the mean difference in survivors for the ‘master model’ without ‘alternative initiation’ after incorporating a 50% return to smoking among base case smoking quitters who switched to MRTP use in the counterfactual scenario (‘diverted quitters’). For an ERR of 0.08, if, starting at age 18, 0.92% of base case continuing smokers switch to MRTP use in the counterfactual scenario in each age category, then the difference in survivors between the counterfactual scenario and the base case is 0. The tipping point for the corresponding analysis without relapse to smoking was 0.38%

(refer to results for Results [Table 3.4](#) in [Table F2](#)). For an ERR of 0.11, if, starting at age 18, 1.01% of base case continuing smokers switch to MRTP use in the counterfactual scenario in each age category, then the difference in survivors between the counterfactual scenario and the base case is 0. The tipping point for the corresponding analysis without relapse to smoking was 0.47% ([Table F2](#)).

Table F3: Extrapolated tipping points for the mean difference in survivors, master model without alternative initiation after incorporating a 50% return to smoking among 'diverted quitters'^a

ERR	Tipping point (%) for the mean difference in survivors
0.08	0.92
0.11	1.01

^a Tipping points were calculated based on the results in [Table C6](#) in Appendix C

Appendix G: Assessing the Cumulative Effects of Exposure Transitions of 'Switching', 'Diversion from Quitting' and 'Additional Initiation'

When interpreting results produced by the DPM(+1), it is important to recognize that transition probabilities are applied to a birth cohort and accumulate over time. To illustrate this for the exposure transitions of 'switching', 'diversion from quitting' and 'additional initiation', we present results for differences between different counterfactual scenarios and the base case at the end of age category 68-72 years.¹

Switching to Camel SNUS use among base case continuing smokers ('switching')

If $p\%$ of continuing smokers switch to Camel SNUS use in each age category starting at age 18 years, then $p\%$ of continuing smokers switch in age category 18-22 year, another $p\%$ of (surviving) continuing smokers switch in age category 23-27 years, etc. Therefore, the pool of continuing smokers is not only depleted by smoking cessation and mortality but also by 'switching'.

The numbers of continuing smokers, former smokers and Camel SNUS users at the end of age category 68-72 are shown in [Table G1](#) for counterfactual scenarios that incorporate 'switching' and corresponding counterfactual scenarios assuming no 'switching' for an ERR of 0.08. Also shown are differences in continuing smokers and former smokers between corresponding counterfactual scenarios.

In all counterfactual scenarios exploring net population effects, the number of continuing smokers at the end of age category 68-72 years was just under 23,000 when 'switching' was suspended. In contrast, for the master model, the master model without alternative initiation, and the model combining 'switching' and 'resumed smoking', just under 17,000 continuing smokers remained at the end of age category 68-72 years, a decrease of 26%. When all transition probabilities were reduced by 75% in the master model, about 21,000 continuing smokers remained at the end of age category 68-72 years, a decrease of 3.6%. For the model combining all primary transitions with the exception of 'alternative initiation' and for the model containing only 'switching', only about 12,400 continuing smokers remained at the end of age category 68-72 years, a decrease of 46% (without 'resumed smoking', more 'switching' occurred in these scenarios).

The tipping point analysis for the master model without 'alternative initiation' suggested that the survival deficit resulting from the combination of harmful transitions was offset when about 0.38% of continuing smokers switched to Camel SNUS use in each age category after age 18 years. At this level of 'switching', just under 22,000 continuing smokers remained at the end of age category 68-72 years, a decrease of about 4% compared to the corresponding model without 'switching'. 'Switching' at levels identified in the two tipping point analyses involving extreme 'additional initiation', resulted in a reduction in the number of continuing smokers at the end of age category 68-72 years of more than 20%. When extreme transition probabilities were assumed for 'diversion from quitting', the tipping point for 'switching' was 0.9% resulting in a reduction in the number of continuing smokers at the end of age category 68-72 years of about 9%.

For all counterfactual scenarios, the percent reduction in former smokers as a result of 'switching' was about half or less than half the corresponding percent reduction in continuing smokers.

Results were generally similar when the ERR was set to 0.11 ([Table G2](#)).

Switching to Camel SNUS use among base case smoking quitters ('diversion from quitting')

The numbers of continuing smokers, former smokers and Camel SNUS users at the end of age category 68-72 are shown in [Table G3](#) for counterfactual scenarios that incorporate 'diversion from quitting' and corresponding counterfactual scenarios assuming no 'diversion from quitting' for an ERR of 0.08. Also

¹ Results for LE and QALE, the total numbers of survivors in the counterfactual scenarios and the base case, and the differences between them are available upon request.

shown are differences in continuing smokers and former smokers between corresponding counterfactual scenarios.

For the master model and the master model without alternative initiation, just over 100,000 former smokers remained at the end of age category 68-72 years when 'diversion from quitting' was suspended compared to just over 93,000 former smokers when 'diversion from quitting' was modeled with transition probabilities from the 'likelihoods of use' study, a decrease of 7%. When all transition probabilities were reduced by 75% in the master model, about 112,000 former smokers remained at the end of age category 68-72 years, the decrease in former smokers was less than 2%. For the model combining all primary transitions with the exception of 'alternative initiation' and for the model containing only 'diversion from quitting', the number of former smokers at the end of age category 68-72 years decreased by about 7% compared to the corresponding counterfactual scenarios where 'diversion from quitting was suspended.

The number of current smokers was unaffected by 'diversion from quitting'. Results were very similar when the ERR was set to 0.11 ([Table G4](#)).

Initiating Camel SNUS use among base case never tobacco users ('additional initiation')

In the analysis based on Camel SNUS initiation rates that were identical to smoking initiation rates, under the assumption of no 'switching', the number of current and former tobacco users at the end of age category 68-72 years was more than 80% higher than in the base case, i.e., the number of current and former tobacco users was nearly doubled (see [Table G5](#) for an ERR of 0.08 and [Table G6](#) for an ERR of 0.11).

In the analysis based on 3% of base case never tobacco smokers instead initiating Camel SNUS use in the first three age categories and half of all Camel SNUS initiators switching to smoking, under the assumption of no 'switching', the number of current and former tobacco users at the end of age category 68-72 years was more than 30% higher than in the base case (see [Table G5](#) for an ERR of 0.08 and [Table G6](#) for an ERR of 0.11).

Table G1: Numbers of continuing smokers, former smokers and Camel SNUS users at the end of age category 68-72 for counterfactual scenarios that incorporate 'switching' and corresponding counterfactual scenarios assuming no 'switching'; and differences in continuing smokers and former smokers between corresponding counterfactual scenarios; ERR=0.08

Input Table	Result Table		Original counterfactual scenario			Corresponding counterfactual scenario without 'switching'			Original counterfactual scenario vs. corresponding counterfactual scenario without 'switching'			
			Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers		Former smokers	
									Decrease	%	Decrease	%
2.5	3.1	Master model	16,777	93,007	35,534	22,690	108,180	7,688	5,913	26.1	15,173	14.0
2.5b	3.1_2	Master model, 25% of transition probabilities	21,171	110,493	9,513	22,801	114,656	1,934	1,630	7.1	4,163	3.6
2.6	3.2	Master model without 'alternative initiation'	16,862	93,475	35,712	22,804	108,724	7,727	5,942	26.1	15,249	14.0
2.7	3.3	Primary transitions without 'alternative initiation'	12,379	80,599	58,778	22,804	108,724	7,727	10,425	45.7	28,125	25.9
2.8	3.4	Master model without 'alternative initiation', 0.38% 'switching'	21,912	107,337	10,623	22,804	108,724	7,727	892	3.9	1,387	1.3
2.10	3.6	'Switching'	12,400	87,221	52,537	22,840	116,843	0	10,440	45.7	29,621	25.4
2.15	3.11	'Switching' and 'resumed smoking'	16,889	100,792	28,782	22,840	116,843	0	5,950	26.1	16,051	13.7
2.16	3.12	'Extreme additional initiation', 2.6% 'switching'	16,127	100,912	17,910	21,281	109,861	0	5,154	24.2	8,949	8.1
2.17	3.13	'Extreme additional initiation' and 'gateway effect', 2.43% 'switching'	17,372	106,494	17,610	22,486	115,270	0	5,114	22.7	8,776	7.6
2.18	3.14	0.9% 'switching' vs. 'extreme diversion from quitting'	20,775	56,720	62,182	22,840	58,421	56,944	2,065	9.0	1,701	2.9

Table G2: Numbers of continuing smokers, former smokers and Camel SNUS users at the end of age category 68-72 for counterfactual scenarios that incorporate 'switching' and corresponding counterfactual scenarios assuming no 'switching'; and differences in continuing smokers and former smokers between corresponding counterfactual scenarios; ERR=0.11

Input Table	Result Table		Original counterfactual scenario			Corresponding counterfactual scenario without 'switching'			Original counterfactual scenario vs. corresponding counterfactual scenario without 'switching'			
			Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers	%	Former smokers	%
2.5	3.1	Master model	16,777	93,007	35,128	22,690	108,180	7,605	5,913	26.1	15,173	14.0
2.5b	3.1_2	Master model, 25% of transition probabilities	21,171	110,493	9,406	22,801	114,656	1,913	1,630	7.1	4,163	3.6
2.6	3.2	Master model without 'alternative initiation'	16,862	93,475	35,305	22,804	108,724	7,643	5,942	26.1	15,249	14.0
2.7	3.3	Primary transitions without 'alternative initiation'	12,379	80,599	58,096	22,804	108,724	7,643	10,425	45.7	28,125	25.9
2.8	3.4	Master model without 'alternative initiation', 0.47% 'switching'	21,705	107,011	11,180	22,804	108,724	7,643	1,099	4.8	1,713	1.6
2.10	3.6	'Switching'	12,400	87,221	51,925	22,840	116,843	0	10,440	45.7	29,622	25.4
2.15	3.11	'Switching' and 'resumed smoking'	16,889	100,792	28,451	22,840	116,843	0	5,951	26.1	16,051	13.7
2.16	3.12	'Extreme additional initiation', 4.12% 'switching'	13,667	96,135	26,901	21,281	109,861	0	7,614	35.8	13,726	12.5
2.17	3.13	'Extreme additional initiation' and 'gateway effect', 2.8% 'switching'	16,694	105,239	19,877	22,486	115,270	0	5,792	25.8	10,031	8.7
2.18	3.14	1.29% 'switching' vs. 'extreme diversion from quitting'	19,934	56,004	63,754	22,840	58,421	56,419	2,906	12.7	2,417	4.1

Table G3: Numbers of continuing smokers, former smokers and Camel SNUS users at the end of age category 68-72 for counterfactual scenarios that incorporate 'diversion from quitting' and corresponding counterfactual scenarios assuming no 'diversion from quitting'; and differences in continuing smokers and former smokers between corresponding counterfactual scenarios; ERR=0.08

Input Table	Result Table		Original counterfactual scenario			Corresponding counterfactual scenario without 'diversion from quitting'			Original counterfactual scenario vs. corresponding counterfactual scenario without 'diversion from quitting'			
			Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers		Former smokers	
								Decrease	%	Decrease	%	
2.5	3.1	Master model	16,777	93,007	35,534	16,777	100,148	28,607	0	0.0	7,141	7.1
2.5b	3.1_2	Master model, 25% of transition probabilities	21,171	110,493	9,513	21,171	112,434	7,629	0	0.0	1,941	1.7
2.6	3.2	Master model without 'alternative initiation'	16,862	93,475	35,712	16,862	100,651	28,751	0	0.0	7,176	7.1
2.7	3.3	Primary transitions without 'alternative initiation'	12,379	80,599	58,778	12,379	87,095	52,480	0	0.0	6,496	7.5
2.12	3.8	'Diversion from quitting'	22,840	108,873	7,736	22,840	116,843	0	0	0.0	7,970	6.8

Table G4: Numbers of continuing smokers, former smokers and Camel SNUS users at the end of age category 68-72 for counterfactual scenarios that incorporate 'diversion from quitting' and corresponding counterfactual scenarios assuming no 'diversion from quitting'; and differences in continuing smokers and former smokers between corresponding counterfactual scenarios; ERR=0.11

Input Table	Result Table		Original counterfactual scenario			Corresponding counterfactual scenario without 'diversion from quitting'			Original counterfactual scenario vs. corresponding counterfactual scenario without 'diversion from quitting'			
			Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers		Former smokers	
									Decrease	%	Decrease	%
2.5	3.1	Master model	16,777	93,007	35,128	16,777	100,148	28,278	0	0.0	7,141	7.1
2.5b	3.1_2	Master model, 25% of transition probabilities	21,171	110,493	9,406	21,171	112,434	7,542	0	0.0	1,941	1.7
2.6	3.2	Master model without 'alternative initiation'	16,862	93,475	35,305	16,862	100,651	28,421	0	0.0	7,176	7.1
2.7	3.3	Primary transitions without 'alternative initiation'	12,379	80,599	58,096	12,379	87,095	51,868	0	0.0	6,496	7.5
2.12	3.8	'Diversion from quitting'	22,840	108,873	7,652	22,840	116,843	0	0	0.0	7,970	6.8

Table G5: Numbers of continuing smokers, former smokers and Camel SNUS users at the end of age category 68-72 for counterfactual scenarios that incorporate extreme 'additional initiation' and the base case; and differences in continuing smokers and former smokers between the counterfactual scenarios and the base case; ERR=0.08

		Original counterfactual scenario			Base case			Original counterfactual scenario vs. base case	
Input Table	Result Table	Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers	Former smokers	Camel SNUS users	All current and former tobacco users	
								Decrease	%
2.16	3.12	21,281	109,861	129,483	22,819	116,875	0	120,930	87
2.17	3.13	27,030	132,201	23,784	22,819	116,875	0	43,321	31

Table G6: Numbers of continuing smokers, former smokers and Camel SNUS users at the end of age category 68-72 for counterfactual scenarios that incorporate extreme 'additional initiation' and the base case; and differences in continuing smokers and former smokers between the counterfactual scenarios and the base case; ERR=0.11

		Original counterfactual scenario			Base case			Original counterfactual scenario vs. base case	
Input Table	Result Table	Continuing smokers	Former smokers	Camel SNUS users	Continuing smokers	Former smokers	Camel SNUS users	All current and former tobacco users	
								Decrease	%
2.16	3.12	21,281	109,861	127,725	22,819	116,875	0	119,173	85
2.17	3.13	27,019	132,177	23,490	22,819	116,875	0	42,992	31

Appendix H: Tipping Point Analysis for Women

'Net' population health effect of all primary beneficial and harmful transitions, and secondary harmful transitions of 'gateway effect'/'delayed smoking' and 'resumed smoking', combined; secondary harmful transition 'relapse' addressed in sensitivity analyses, as is effect of different ERRs [refer to [Table 2.5](#)]; based on mortality rates for women

These analyses evaluated, among women, the 'net' population health effect of all primary beneficial transitions ('alternative initiation' and 'switching'), all primary harmful transitions ('additional initiation' and 'diversion from quitting') and the secondary harmful transitions of 'gateway effect', 'delayed smoking' and 'resumed smoking' –referred to as the 'master model'. Based on U.S. rates (refer to [Table 2.4](#)), cigarette smoking initiation among never tobacco users occurs in the first three age categories (ages 13-17, 18-22 and 23-27 years), while smoking cessation can occur throughout life, at any age after smoking initiation has taken place. For these analyses, no smoking cessation was allowed in the first age category (ages 13-17 years), and Camel SNUS cessation was suspended for all ages (the probability of Camel SNUS cessation was set to 0, as worst-case scenario).

Empirical data on primary beneficial and harmful transitions were based on projected purchase probabilities, as provided by the first execution of RAIS's 'likelihood of use' study. Specifically, the probability that base case cigarette initiators would instead initiate tobacco use with Camel SNUS ('alternative initiation') was projected to be 0.5% (refer to [Table 2.2](#)); this transition occurs in the first three age categories. 'Switching' to the use of Camel SNUS instead of continuing to use cigarettes among base case current smokers was projected to range from 1.7% to 16.5%, depending on age category (refer to [Table 2.3](#)). The probability that base case never tobacco users would initiate use of Camel SNUS instead of remaining never users ('additional initiation') was projected to be 0.3% (refer to [Table 2.2](#)); similar to 'alternative initiation', this transition occurs in the first three age categories. Finally, the probability that base case current smokers would switch to using Camel SNUS instead of quitting tobacco use ('diversion from quitting') was projected to range from 1.8%-20.0%, depending on the age category (refer to [Table 2.3](#)).

In the absence of empirical data on secondary harmful transitions from RAIS's 'likelihood of use' studies, the effect of these unintended changes in tobacco exposure patterns were evaluated using hypothetical and, in many instances, extreme scenarios. Specifically, both 'gateway effect' (the probability that some portion of 'additional initiation' Camel SNUS users would transition to cigarette use) and 'delayed smoking' (the probability that some portion of 'alternative initiation' Camel SNUS users would transition to cigarette use) were evaluated using scenarios whereby 50% of all Camel SNUS initiators transition to cigarette smoking in the age category following initiation (ages 18-22, 23-27 and 28-32 years). In addition, the secondary harmful transition of 'resumed smoking' was evaluated using a scenario whereby 50% of those smokers who switched to using Camel SNUS instead of continuing to smoke subsequently resumed cigarette use. Under the assumption that 'resumed smoking' would likely occur in the same 5-year age category as 'switching', this transition was modeled by reducing the transition probabilities for 'switching' from smoking to Camel SNUS use by 50%. Finally, sensitivity analyses conducted within the context of the 'master model' evaluated the 'net' population health effect of an extreme scenario for 'relapse', whereby 50% of base case current smokers who would have quit tobacco use but instead switched to Camel SNUS use ('diversion from quitting') subsequently relapsed to smoking.

For ERRs of 0.08 and 0.11, the 'net' population health effect of all primary beneficial and harmful transitions and the secondary harmful transitions of 'gateway effect'/'delayed smoking' and 'resumed smoking' ('master model') was a survival benefit in the counterfactual scenario of almost 5,000 and 4,650 additional survivors, respectively (refer to [Table H1](#)). Sensitivity analyses for the 'master model' that additionally included the secondary harmful transition of 'relapse' (refer to transition probabilities in [Table H2](#)) provided

a smaller survival benefit of approximately 4,400 and 4,050 additional survivors for ERRs of 0.08 and 0.11, respectively (refer to [Table H3](#)).¹

Net results based on mortality rates for women differed from those for men due to different mortality risks for men and women in the Kaiser-Permanente cohort; the ‘net’ population effect was about 19% lower for women than for men (refer to [Table H4](#)).

Table H1: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of ‘additional initiation’ with ‘delayed smoking’, ‘alternative initiation’ with ‘gateway effect’, ‘diversion from quitting’, and ‘switching’ with ‘resumed smoking’ (‘master model’); mortality rates for women

ERR	Additional Initiation ^a (%)	Alternative Initiation ^a (%)	Gateway effect/ Delayed Smoking ^b (%)	Diversion from Quitting ^c (%)	Switching ^d (%)	Mean	95% PI	
0.08	0.3	0.5	50	1.8-20.0	0.8-8.3	4,995	4,340	5,667
0.11	0.3	0.5	50	1.8-20.0	0.8-8.3	4,647	4,025	5,287

^a Refer to [Table 2.2](#); probability applied to age intervals 13-17, 18-22 and 23-27 years.

^b Extreme transition probability, in absence of empirical data (applied to age intervals 18-22, 23-27 and 28-32 years)

^c Refer to [Table 2.3](#) for age interval-specific probabilities

^d Probabilities from ‘likelihood of use’ study reduced by 50% to model 50% return from Camel SNUS use to smoking (‘resumed smoking’); refer to [Table 2.3](#) for age interval-specific probabilities.

¹ To be directly comparable to results for men, modeling results for the current analyses are presented as the difference in the number of survivors for the counterfactual scenario compared to the based case at the end of age interval 68-72 years. The total numbers of survivors in the counterfactual scenario and the base case, and the differences between them are shown for all age categories in [Tables E_H1](#) and [E_H3](#) in [Appendix E](#); these results suggest that the greatest differences between the counterfactual scenario and base case are observed about 5 to 10 years later in women than in men. Results for life expectancy (LE) and quality of life-adjusted life expectancy (QALE) are presented in [Tables D_H1](#) and [D_H3](#) in [Appendix D](#).

Table H2: Transition probabilities for continued smoking, 'switching' and 'diversion from quitting' used in the 'master model' (with or without 'alternative initiation') and corresponding adjusted transition probabilities under the assumption of 50% 'relapse'²

Age	Original transition probabilities			Adjusted transition probabilities ^a		
	(continued smoking)	('switching')	('diversion from quitting')	\hat{p} (continued smoking)	\hat{p} ('switching')	\hat{p} ('diversion from quitting')
13-17	-	-	-	-	-	-
18-22	0.91	0.083	0.200	0.919	0.0822	0.111
23-27	0.905	0.055	0.086	0.909	0.0548	0.045
28-32	0.86	0.044	0.065	0.865	0.0438	0.034
33-37	0.86	0.037	0.045	0.863	0.0369	0.023
38-42	0.86	0.024	0.074	0.865	0.0239	0.038
43-47	0.86	0.028	0.054	0.864	0.0279	0.028
48-52	0.86	0.023	0.055	0.864	0.0229	0.028
53-57	0.86	0.011	0.029	0.862	0.0110	0.015
58-62	0.86	0.013	0.018	0.861	0.0130	0.009
63-67	0.86	0.012	0.021	0.861	0.0120	0.011
68-72	0.86	0.008	0.021	0.861	0.0080	0.011
73+	0.86	0.008	0.021	0.861	0.0080	0.011

^a Using the formulas for \hat{p} (continued smoking), \hat{p} ('switching') and \hat{p} ('diversion from quitting') shown in [Appendix C](#)

² 'Relapse' occurs in the same age category as 'diversion from quitting'

Table H3: Difference in survivors, tipping point analysis for ‘master model’ without ‘alternative initiation’ (no ‘relapse’) versus tipping point analysis for ‘master model’ without ‘alternative initiation’ with 50% ‘relapse’; based on mortality rates for women

ERR	Mean number of survivors, counterfactual		Mean difference in survivors, two counterfactuals	Mean difference in survivors, Counterfactual ^a – base case ^b	Mean difference in survivors ^c , Counterfactual ^d – base case ^e
	No ‘relapse’	50% ‘relapse’			
0.08	789,985	789,375	610	4,995	4,385
0.11	789,637	789,054	583	4,647	4,064

^a Counterfactual scenario with no ‘relapse’

^b Base case with no ‘relapse’

^c Identical to the difference between ‘Mean difference in survivors, counterfactual¹ – base case²’ and ‘Mean difference in survivors, two counterfactuals’

^d Counterfactual scenario with 50% ‘relapse’

^e Base case with no ‘relapse’; base case with 50% ‘relapse’ must be ignored

Table H4: Comparison of difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of ‘switching’ versus ‘additional initiation’ with ‘gateway effect’ and ‘diversion from quitting’; mortality rates for men versus mortality rates for women

ERR	Additional Initiation ^a (%)	Alternative Initiation ^a (%)	Gateway effect/ Delayed Smoking ^b (%)	Diversion from Quitting ^c (%)	Switching ^d (%)	Difference in survivors		Difference, men vs. women (%)
						Men	Women	
No ‘relapse’								
0.08	0.3	0.5	50	1.8-20.0	0.8-8.3	6,196	4,995	19
0.11	0.3	0.5	50	1.8-20.0	0.8-8.3	5,751	4,647	19
50% ‘relapse’								
0.08	0.3	0.5	50	1.8-20.0	0.8-8.3	5,445	4,384	19
0.11	0.3	0.5	50	1.8-20.0	0.8-8.3	5,035	4,064	19

^a Refer to [Table 2.2](#); probability applied to age intervals 13-17, 18-22 and 23-27 years.

^b Extreme transition probability, in absence of empirical data (applied to age intervals 18-22, 23-27 and 28-32 years)

^c Refer to [Table 2.3](#) for age interval-specific probabilities

^d Probabilities from ‘likelihood of use’ study reduced by 50% to model 50% return from Camel SNUS use to smoking (‘resumed smoking’); refer to [Table 2.3](#) for age interval-specific probabilities.

'Net' population health effect of primary beneficial transition 'switching', all primary harmful transitions, and secondary harmful transitions of 'gateway effect'/'delayed smoking' and 'resumed smoking', combined; secondary harmful transition 'relapse' addressed in sensitivity analyses [refer to [Table 2.6](#)]; based on mortality rates for women

To assess, among women, the 'net' population health effect of omitting the primary beneficial transition of 'alternative initiation' from the 'master model', these analyses evaluated the primary beneficial transition of 'switching', all primary harmful transitions ('additional initiation' and 'diversion from quitting'), and the secondary harmful transitions of 'gateway effect', 'delayed smoking' and 'resumed smoking'. Based on U.S. rates (refer to [Table 2.4](#)), cigarette smoking initiation among never tobacco users occurs in the first three age categories (ages 13-17, 18-22 and 23-27 years), while smoking cessation can occur throughout life, at any age after smoking initiation has taken place. For these analyses, no smoking cessation was allowed in the first age category (ages 13-17 years), and Camel SNUS cessation was suspended for all ages (the probability of Camel SNUS cessation was set to 0, as worst-case scenario).

Empirical data on primary beneficial and harmful transitions were based on projected purchase probabilities, as provided by the first execution of RAIS's 'likelihood of use' study. Specifically, 'switching' to Camel SNUS use instead of continuing to use cigarettes among base case smokers was projected to range from 1.7% to 16.5%, depending on age category (refer to [Table 2.3](#)). The probability that base case never tobacco users would initiate Camel SNUS use instead of remaining never users ('additional initiation') was projected to be 0.3% (refer to [Table 2.2](#)); this transition occurs in the first three age categories. Finally, the probability that base case current smokers would switch to using Camel SNUS instead of quitting tobacco use ('diversion from quitting') was projected to range from 1.8%-20.0%, depending on the age category (refer to [Table 2.3](#)).

In the absence of empirical data on secondary harmful transitions from RAIS's 'likelihood of use' studies, the effect of these unintended changes in tobacco exposure patterns were evaluated using hypothetical scenarios, which were extreme in many instances. Specifically, 'gateway effect' was evaluated using an extreme scenario whereby 50% of Camel SNUS initiators ('additional initiation') transitioned to cigarette smoking in the age category following initiation (ages 18-22, 23-27 and 28-32 years). In addition, the secondary harmful transition of 'resumed smoking' was evaluated using a scenario whereby 50% of those smokers who switched to using Camel SNUS instead of continuing to use cigarettes subsequently resumed smoking. Under the assumption that 'resumed smoking' would likely occur in the same 5-year age category as 'switching', this transition was modeled by reducing the transition probabilities for 'switching' from smoking to Camel SNUS by 50%. Finally, sensitivity analyses evaluated the effect of an extreme scenario for 'relapse', whereby 50% of base case current smokers who would have quit tobacco use but instead switched to using Camel SNUS ('diversion from quitting') subsequently relapsed to smoking.

Omitting 'alternative initiation' as a possible beneficial exposure transition had a nominal effect on the 'net' population health benefit, as projected by the 'master model'. For ERRs of 0.08 and 0.11, the survival benefit in the counterfactual scenario was estimated to be about 5,000 and 4,630 additional survivors, respectively (refer to [Table H5](#)). Sensitivity analyses that additionally included the secondary harmful transition, 'relapse' (refer to transition probabilities in [Table H2](#)), indicated that the survival benefit was decreased to an estimated 4,350 and 4,050 additional survivors for ERRs of 0.08 and 0.11, respectively (refer to [Table H6](#)).³

³ Modeling results for the current analyses are presented as the difference in the number of survivors for the counterfactual scenario compared to the based case at the end of age interval 68-72 years; the total numbers of survivors in the counterfactual scenario and the base case, and the differences between them are shown for all age categories in [Tables E_H5](#) and [E_H6](#) in [Appendix E](#). Results for LE and QALE are presented in [Tables D_H5](#) and [D_H6](#) in [Appendix D](#).

Net results based on mortality rates for women differed from those for men due to different mortality risks for men and women in the Kaiser-Permanente cohort; the 'net' population effect was about 19% lower for women than for men (refer to [Table H7](#)).

Table H5: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of 'additional initiation' with 'gateway effect', 'diversion from quitting', and 'switching' with 'resumed smoking'; mortality rates for women

ERR	Additional Initiation ^a (%)	Gateway Effect ^b (%)	Diversion from Quitting ^c (%)	Switching ^d (%)	Mean	95% PI	
0.08	0.3	50	1.8-20.0	0.8-8.3	4,974	4,323	5,643
0.11	0.3	50	1.8-20.0	0.8-8.3	4,629	4,011	5,266

^a Refer to [Table 2.2](#); probability applied to age intervals 13-17, 18-22 and 23-27 years.

^b Extreme transition probability, in absence of empirical data (applied to age intervals 18-22, 23-27 and 28-32 years)

^c Refer to [Table 2.3](#) for age interval-specific probabilities

^d Probabilities from 'likelihood of use' study reduced by 50% to model 50% return from Camel SNUS use to smoking ('resumed smoking'); refer to [Table 2.3](#) for age interval-specific probabilities.

Table H6: Difference in survivors, tipping point analysis for 'master model' without 'alternative initiation' (no 'relapse') versus tipping point analysis for 'master model' without 'alternative initiation' with 50% 'relapse'; based on mortality rates for women

ERR	Mean number of survivors, counterfactual		Mean difference in survivors, two counterfactuals	Mean difference in survivors, Counterfactual ^a – base case ^b	Mean difference in survivors ^c , Counterfactual ^d – base case ^e
	No 'relapse'	50% 'relapse'			
0.08	789,965	789,351	614	4,974	4,361
0.11	789,620	789,034	586	4,629	4,043

^a Counterfactual scenario with no 'relapse'

^b Base case with no 'relapse'

^c Identical to the difference between 'Mean difference in survivors, counterfactual¹ – base case²' and 'Mean difference in survivors, two counterfactuals'

^d Counterfactual scenario with 50% 'relapse'

^e Base case with no 'relapse'; base case with 50% 'relapse' must be ignored.

Table H7: Comparison of difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of ‘switching’ versus ‘additional initiation’ with ‘gateway effect’ and ‘diversion from quitting’; mortality rates for men versus mortality rates for women

ERR	Additional Initiation ^a (%)	Gateway effect/ Delayed Smoking ^b (%)	Diversion from Quitting ^c (%)	Switching ^d (%)	Difference in survivors		
					Men	Women	Difference, men vs. women (%)
No ‘relapse’							
0.08	0.3	50	1.8-20.0	0.8-8.3	6,177	4,974	19
0.11	0.3	50	1.8-20.0	0.8-8.3	5,737	4,629	19
50% ‘relapse’							
0.08	0.3	50	1.8-20.0	0.8-8.3	5,422	4,361	20
0.11	0.3	50	1.8-20.0	0.8-8.3	5,017	4,043	19

^a Refer to [Table 2.2](#); probability applied to age intervals 13-17, 18-22 and 23-27 years.

^b Extreme transition probability, in absence of empirical data (applied to age intervals 18-22, 23-27 and 28-32 years)

^c Refer to [Table 2.3](#) for age interval-specific probabilities

^d Probabilities from ‘likelihood of use’ study reduced by 50% to model 50% return from Camel SNUS use to smoking (‘resumed smoking’); refer to [Table 2.3](#) for age interval-specific probabilities.

‘Tipping point’ related to the primary beneficial transition, ‘switching’, versus all primary harmful transitions and secondary harmful transition ‘gateway effect’ [refer to [Table 2.8](#)]; based on mortality rates for women

Beneficial and harmful transitions were evaluated for women within the context of ‘tipping point’ analyses, used to estimate the magnitude of a beneficial change in tobacco exposure required to offset the population health effects of one or more harmful exposure changes. The analyses described here estimated tipping points between the primary beneficial transition of ‘switching’ and a combination of primary and secondary harmful transitions (‘additional initiation’ with ‘gateway effect’, and ‘diversion from quitting’).

Based on U.S. rates (refer to [Table 2.4](#)), cigarette smoking initiation among never tobacco users occurs in the first three age categories (ages 13-17, 18-22 and 23-27 years), while smoking cessation can occur throughout life, at any age after smoking initiation has taken place. For these analyses, no smoking cessation was allowed in the first age category (ages 13-17 years), and Camel SNUS cessation was suspended for all ages (the probability of Camel SNUS cessation was set to 0, as worst-case scenario).

Empirical data on primary beneficial and harmful transitions were based on projected purchase probabilities, as provided by the first execution of RAIS’s ‘likelihood of use’ study. Specifically, the probability that base case never tobacco users would initiate Camel SNUS use instead of remaining never users (‘additional initiation’) was projected to be 0.3% (refer to [Table 2.2](#)); this transition occurs in the first three age categories. In the absence of empirical data on secondary harmful transitions, ‘gateway effect’ was evaluated using an extreme scenario, whereby 50% of Camel SNUS initiators transition to cigarette smoking in the next age category (in age categories 18-22, 23-27 and 28-32 years). Finally, the probability

that base case smokers would switch to using Camel SNUS instead of quitting tobacco use ('diversion from quitting') was projected to range from 1.8%-20.0%, depending on the age category (refer to [Table 2.3](#)).

The beneficial exposure pattern, 'switching' from cigarettes to Camel SNUS among base case current smokers who would have continued to smoke, was increased incrementally, starting in the second age category (ages 18-22 years) and continuing until the end of follow-up. For ERRs of 0.08 and 0.11, absent the beneficial primary transition of 'switching', the survival deficit in the counterfactual scenario (0.3% 'additional initiation' with 50% 'gateway effect'; and, 1.8-20.0% 'diversion from quitting', depending on age category) was estimated to be 515 and about 600 fewer survivors, respectively (refer to [Table H8](#)). 'Tipping point' analyses indicated that for a concurrent increase in 'switching' of 0.34% and 0.42% (in each age category, ages 18+ years) for ERRs of 0.08 and 0.11, respectively, a decrease in survivors was still observed between the counterfactual scenario and base case but that the decrease was no longer statistically significant. A concurrent increase in 'switching' of 0.38% and 0.48% ERRs of 0.08 and 0.11, respectively, provided a point estimate for the difference in the number of survivors that was 'near zero'; and, a concurrent increase in 'switching' of 0.44% and 0.54% ERRs of 0.08 and 0.11, respectively, provided a population health benefit – as reflected by a statistically significant increase in the number of survivors in the counterfactual scenario (refer to [Figure H1](#) and [Table H9](#)). Introducing the extreme scenario of a 50% 'relapse' to smoking among base case smoking quitters who instead switched to using Camel SNUS (refer to transition probabilities in [Table H2](#)) provided a point estimate that was 'near zero' when there was a concurrent 0.92% and 1.01% increase in 'switching' for ERRs of 0.08 and 0.11, respectively (refer to [Tables H10 and H11](#)). Under the assumption of 50% 'resumed smoking', all tipping points for 'switching' must necessarily be doubled. This is because a 50% resumption of smoking among base case continuing smokers who switched to Camel SNUS ('resumed smoking') was modeled by reducing transition probabilities for 'switching' by 50%.⁴

Net results based on mortality rates for women differed from those for men due to different mortality risks for men and women in the Kaiser-Permanente cohort; the 'net' population effect was about 18% lower for women than for men (refer to [Tables H12 and H13](#)). However, 'tipping point' estimates were almost identical for both genders (refer to [Table H14](#)).

⁴ Modeling results for the current analyses are presented as the difference in the number of survivors for the counterfactual scenario compared to the based case at the end of age interval 68-72 years; the total numbers of survivors in the counterfactual scenario and the base case, and the differences between them are shown for all age categories in [Tables E_H8 and E_H10](#) in [Appendix E](#). Results for LE and QALE are presented in [Tables D_H8 and D_H10](#) in [Appendix D](#).

Table H8: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

ERR	Additional Initiation ^a (%)	Gateway Effect ^b (%)	Diversion from Quitting ^c (%)	Switching ^d (%)	Mean	95% PI	
0.08	0.3	50	1.8-20.0	0.0	-515	-534	-496
				0.5	154	76	238
				1.0	808	653	973
				1.5	1,447	1,215	1,688
				2.0	2,071	1,765	2,388
				2.5	2,681	2,302	3,073
				3.0	3,277	2,825	3,742
				3.5	3,859	3,338	4,396
				4.0	4,428	3,837	5,034
0.11	0.3	50	1.8-20.0	0.0	-608	-635	-583
				0.5	32	-41	109
				1.0	657	513	812
				1.5	1,267	1,050	1,497
				2.0	1,864	1,575	2,166
				2.5	2,447	2,089	2,820
				3.0	3,016	2,590	3,460
				3.5	3,572	3,079	4,085
				4.0	4,116	3,557	4,695

^a Refer to [Table 2.2](#); probability applied to age intervals 13-17, 18-22 and 23-27 years.

^b Extreme transition probability, in absence of empirical data (applied to age intervals 18-22, 23-27 and 28-32 years)

^c Refer to [Table 2.3](#) for age interval-specific probabilities

^d Probability applied to age intervals 18+ years

Table H9: Extrapolated tipping points for age category 68-72 years based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for women

Tipping point (%)			
ERR	Upper 95% PI	Mean	Lower 95% PI
0.08	0.34	0.38	0.44
0.11	0.42	0.48	0.54

Table H10: Difference in survivors, tipping point analysis for 'master model' without 'alternative initiation' (no 'relapse') versus tipping point analysis for 'master model' without 'alternative initiation' with 50% 'relapse'; based on mortality rates for women

ERR	Switching (%) ^a	Mean number of survivors, counterfactual		Mean difference in survivors, two counterfactuals	Mean difference in survivors, Counterfactual ^b – base case ^c	Mean difference in survivors ^d , Counterfactual ^e – base case ^f
		No 'relapse'	50% 'relapse'			
0.08	0.0	784,476	783,740	736	-515	-1,251
	0.5	785,145	784,429	716	154	-562
	1.0	785,799	785,102	697	808	111
	1.5	786,438	785,759	679	1,447	769
0.11	0.0	784,382	783,679	703	-608	-1,312
	0.5	785,022	784,338	684	32	-653
	1.0	785,647	784,981	666	657	-9
	1.5	786,258	785,610	648	1,267	619

^a Replaces (' h ') ≈ ^(' h ') in Table C2

^b Counterfactual scenario with no 'relapse'

^c Base case with no 'relapse'

^d Identical to the difference between 'Mean difference in survivors, counterfactual¹ – base case²' and 'Mean difference in survivors, two counterfactuals'

^e Counterfactual scenario with 50% 'relapse'

^f Base case with no 'relapse'; base case with 50% 'relapse' must be ignored

Table H11: Extrapolated tipping points for age category 68-72 years based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting' with 50% 'relapse'; mortality rates for women

ERR	Tipping point (%)
0.08	0.92
0.11	1.01

Table H12: Comparison of difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for men versus mortality rates for women

ERR	Additional Initiation ^a (%)	Gateway Effect ^b (%)	Diversion from Quitting ^c (%)	Switching ^d (%)	Difference in survivors		Difference, men vs. women (%)
					Men	Women	
0.08	0.3	50	1.8-20.0	0.0	-616	-515	16
				0.5	193	154	20
				1.0	984	808	18
				1.5	1,758	1,447	18
				2.0	2,514	2,071	18
				2.5	3,255	2,681	18
				3.0	3,979	3,277	18
				3.5	4,687	3,859	18
				4.0	5,380	4,428	
0.11	0.3	50	1.8-20.0	0.0	-733	-608	17
				0.5	39	32	18
				1.0	794	657	17
				1.5	1,532	1,267	17
				2.0	2,254	1,864	17
				2.5	2,960	2,447	17
				3.0	3,651	3,016	17
				3.5	4,327	3,572	17
				4.0	4,988	4,116	17

^a Refer to [Table 2.2](#); probability applied to age intervals 13-17, 18-22 and 23-27 years

^b Extreme transition probability, in absence of empirical data (applied to age intervals 18-22, 23-27 and 28-32 years)

^c Refer to [Table 2.3](#) for age interval-specific probabilities

^d Probability applied to age intervals 18+ years

Table H13: Comparison of difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting' with 50% 'relapse'; mortality rates for men versus mortality rates for women

ERR	Additional Initiation ^a (%)	Gateway Effect ^b (%)	Diversion from Quitting ^c (%)	Switching ^d (%)	Difference in survivors ^e		Difference, men vs. women (%)
					Men	Women	
0.08	0.3	50	1.8-20.0	0.0	-1,515	-1,251	17
				0.5	-683	-562	18
				1.0	130	111	15
				1.5	926	769	17
0.11	0.3	50	1.8-20.0	0.0	-1,591	-1,312	18
				0.5	-797	-653	18
				1.0	-20	-9	55 ^f
				1.5	739	619	16

^a Refer to [Table 2.2](#); probability applied to age intervals 13-17, 18-22 and 23-27 years.

^b Extreme transition probability, in absence of empirical data (applied to age intervals 18-22, 23-27 and 28-32 years)

^c Refer to [Table 2.3](#) for age interval-specific probabilities

^d Probability applied to age intervals 18+ years

^e Counterfactual scenario with 50% 'relapse'; base case with no 'relapse'; base case with 50% 'relapse' must be ignored

^f Small absolute difference; large relative difference due to small values.

Table H14: Comparison of tipping points for age category 68-72 years based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting'; mortality rates for men versus mortality rates for women

	ERR	Tipping point (%)		Difference, men vs. women (%)
		Men	Women	
No 'relapse'	0.08	0.38	0.38	0
	0.11	0.47	0.48	0
50% 'relapse'	0.08	0.92	0.92	0
	0.11	1.01	1.01	0

Figure H1: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on transitions of 'switching' versus 'additional initiation' with 'gateway effect' and 'diversion from quitting' (top: ERR=0.08; bottom: ERR=0.11)

