

**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 3 Final Report**

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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

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List of Appendices

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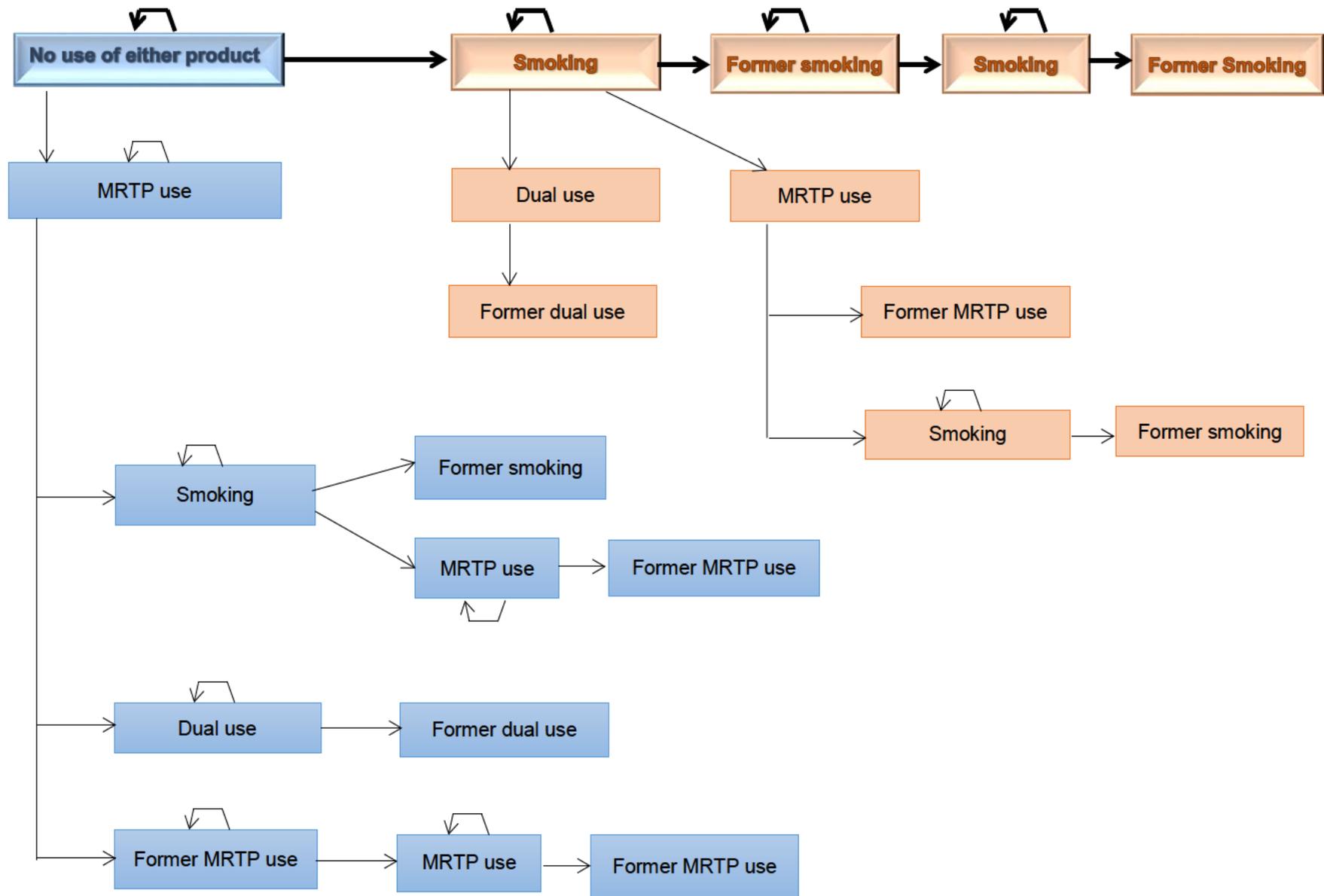


Figure 1: Schematic representation of the distribution of persons into exposure categories by the DPM(+1); transitions for base case (top row) and counterfactual scenario (all rows).

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Age interval ^æ	Likely to quit smoking			Not likely to quit smoking		
	Number of respondents	Camel SNUS purchase probability (%)	DPM(+1) transition probability (%) ^á	Number of respondents	Camel SNUS purchase probability (%)	DPM(+1) transition probability (%) ^á
13-17	È	È	È	È	È	È
18-22	Í	ÌÈ	ÌÈ	HH	JÈÇ	JÈÇ
23-27	FÌ	FÌÈ	FÌÈ	ÌÌ	FÌÈ	FÌÈ
28-32	GH	FHÈ	FHÈ	FÈG	FGÌ	FGÌ
33-37	HÍ	FÈÈ	FÈÈ	FHÈ	JÈÇ	JÈÇ
38-42	ÇÈ	FGÈ	FGÈ	FFG	ÌÈ	ÌÈ
43-47	ÇF	ÌÈ	ÌÈ	FÌÌ	ÌÈ	ÌÈ
48-52	ÇÈ	ÌÌ	ÌÌ	FHÌ	ÌÌ	ÌÌ
53-57	FÌ	ÇÈ	ÇÈ	FGH	HÈ	HÈ
58-62	FÌ	ÌÈ	ÌÈ	FFH	HÈ	HÈ
63-67	ÇF	ÇÈ	ÇÈ	ÌÌ	ÇÌ	ÇÌ
68+	J	FÈ	FÈ	ÌÌ	HÈ	HÈ

^æ ÖÚT ÇÉFDæ^ &æ^ * | | ã •
^á W^ á ð ^ ç^ æ @ ÖÚT ÇÉFDçæ • ã } È | | àæððð [~ • , ã&@ * ð Óæ | ð P W ù æ [] * @æ^ á^ æ^ & | | ^ } c • { [\ ^ • , @ , [| á [ç^ | , ã^ @æ^ ~ ã • { [\ ð * Çæ^ | ð] ÷ { [~ ãç^ * ç^ }
^á W^ á ð ^ ç^ æ @ ÖÚT ÇÉFDçæ • ã } È | | àæððð [~ • , ã&@ * ð Óæ | ð P W ù æ [] * @æ^ á^ æ^ & | | ^ } c • { [\ ^ • , @ , [| á [ç^ | , ã^ @æ^ & } ð ~ ^ á ð • { [\ ^ Ç , ã&@ * ç^ }
^á W^ á ð ^ ç^ æ @ ÖÚT ÇÉFDçæ • ã } È | | àæððð [~ • , ã&@ * ð Óæ | ð P W ù æ [] * @æ^ á^ æ^ & | | ^ } c • { [\ ^ • , @ , [| á [ç^ | , ã^ @æ^ & } ð ~ ^ á ð • { [\ ^ Ç , ã&@ * ç^ }

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]] | ææ } @æc@^~^&c [~æ] | ð æ^ dæ•æ } • æ å @ •^& } åæ^ dæ•æ } • ÷ æ^, æ ^~^&c ð^æ^å
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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') 	$P_i = \frac{V_{i,j} \cdot G_{j,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$ <table border="0"> <tr> <td>$V_{i,j}$</td> <td>$G_{j,i}$</td> <td>P_i</td> </tr> <tr> <td>$V_{i,1}$</td> <td>$G_{1,i}$</td> <td>$\frac{V_{i,1} \cdot G_{1,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,2}$</td> <td>$G_{2,i}$</td> <td>$\frac{V_{i,2} \cdot G_{2,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,3}$</td> <td>$G_{3,i}$</td> <td>$\frac{V_{i,3} \cdot G_{3,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,4}$</td> <td>$G_{4,i}$</td> <td>$\frac{V_{i,4} \cdot G_{4,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,5}$</td> <td>$G_{5,i}$</td> <td>$\frac{V_{i,5} \cdot G_{5,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,6}$</td> <td>$G_{6,i}$</td> <td>$\frac{V_{i,6} \cdot G_{6,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,7}$</td> <td>$G_{7,i}$</td> <td>$\frac{V_{i,7} \cdot G_{7,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,8}$</td> <td>$G_{8,i}$</td> <td>$\frac{V_{i,8} \cdot G_{8,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,9}$</td> <td>$G_{9,i}$</td> <td>$\frac{V_{i,9} \cdot G_{9,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,10}$</td> <td>$G_{10,i}$</td> <td>$\frac{V_{i,10} \cdot G_{10,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,11}$</td> <td>$G_{11,i}$</td> <td>$\frac{V_{i,11} \cdot G_{11,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,12}$</td> <td>$G_{12,i}$</td> <td>$\frac{V_{i,12} \cdot G_{12,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,13}$</td> <td>$G_{13,i}$</td> <td>$\frac{V_{i,13} \cdot G_{13,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,14}$</td> <td>$G_{14,i}$</td> <td>$\frac{V_{i,14} \cdot G_{14,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> <tr> <td>$V_{i,15}$</td> <td>$G_{15,i}$</td> <td>$\frac{V_{i,15} \cdot G_{15,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$</td> </tr> </table>	$V_{i,j}$	$G_{j,i}$	P_i	$V_{i,1}$	$G_{1,i}$	$\frac{V_{i,1} \cdot G_{1,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,2}$	$G_{2,i}$	$\frac{V_{i,2} \cdot G_{2,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,3}$	$G_{3,i}$	$\frac{V_{i,3} \cdot G_{3,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,4}$	$G_{4,i}$	$\frac{V_{i,4} \cdot G_{4,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,5}$	$G_{5,i}$	$\frac{V_{i,5} \cdot G_{5,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,6}$	$G_{6,i}$	$\frac{V_{i,6} \cdot G_{6,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,7}$	$G_{7,i}$	$\frac{V_{i,7} \cdot G_{7,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,8}$	$G_{8,i}$	$\frac{V_{i,8} \cdot G_{8,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,9}$	$G_{9,i}$	$\frac{V_{i,9} \cdot G_{9,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,10}$	$G_{10,i}$	$\frac{V_{i,10} \cdot G_{10,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,11}$	$G_{11,i}$	$\frac{V_{i,11} \cdot G_{11,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,12}$	$G_{12,i}$	$\frac{V_{i,12} \cdot G_{12,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,13}$	$G_{13,i}$	$\frac{V_{i,13} \cdot G_{13,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,14}$	$G_{14,i}$	$\frac{V_{i,14} \cdot G_{14,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$	$V_{i,15}$	$G_{15,i}$	$\frac{V_{i,15} \cdot G_{15,i}}{\sum_k V_{i,k} \cdot G_{k,i}}$
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Research question	DPM(+1) transition probabilities
<p>What is the 'net' population health effect if</p> <ul style="list-style-type: none"> <p>some never tobacco users who would have remained never users instead initiate Camel SNUS use ('additional initiation'); and,</p> <p>some current smokers who would have continued to use cigarettes instead switch completely to Camel SNUS use ('switching'); and,</p> <p>some current smokers who would have quit tobacco use instead switch to Camel SNUS use ('diversion from quitting')</p> 	<p> $P_{i,j} = \begin{cases} V_{aa } \cdot G_{Û} & \text{if } i=j \\ V_{aa } \cdot G_{Û} \cdot P_{i,j} & \text{if } i \neq j \end{cases}$ </p> <p> $P_{i,j} = \begin{cases} V_{aa } \cdot G_{Û} & \text{if } i=j \\ V_{aa } \cdot G_{Û} \cdot P_{i,j} & \text{if } i \neq j \end{cases}$ </p> <p> $P_{i,j} = \begin{cases} V_{aa } \cdot G_{Û} & \text{if } i=j \\ V_{aa } \cdot G_{Û} \cdot P_{i,j} & \text{if } i \neq j \end{cases}$ </p>

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V@ }^æc•^!ð• [-ÖÚT (ÉFD)ææ^á æþ æ^•• æðá!^••á @ **second objective**Éd { [!^ &|^•^| æ••• @ þ ~^ } & [~•] ^ææ&æ *^• þ d àæ&^ ^ç [•^ |^] æ!•• É^ç |^æá d !^• |c~| { Óæ | ÚPÚW æ á æ } | [•^ á { [ááááÉæ \ { ^••æþ * É [] @ [ç^|æþ þ^ç] [] ~|æþ } @æþ@~^&ÉV@ [àæ&æ^ , æ æ&@ç^á à^ ^ææ þ þ * @ [] ~|æþ } Éç^ |^~^&@ [~&æ *^• þ á^ ^æþæþ á @æ{ ~|dæ&^ ^ç [•^ |^] æ!•• Éþ áæþæþ æþ æ á þ |æ æá & { áæ æþ } •Éææ^á |æ^! [] | [æ&á] ~|æ&@ [] | áææþæþ •+ { @æ @æá ^æ&^ æ } [~ÚÚÚ ç þ^|æç [á [~•^q•c á^ É | Ú| ~|æþ } •^çæþ , æ ~•^á æ æ•• | [*æþ ~| [] ~|æþ } @æþ@ÉV [àæ&^ ^ç [•^ |^ dæþ•æþ] • ^ææ þ á^ ~•þ * @ ÖÚT (ÉFD) þ æ^ á^ á @ | |æ æ^ dæþ•æþ } •FDæç^! ææ^ þ æææþ } ç , @!^á • [{ ^ } ^ç^! d àæ&^ ~•^• þ æææ Óæ | ÚPÚW ~•^ þ •ææ [~þ æææ * &æ æ^æ • [\ þ * LçDæ , æ&æ * ç , @!^á • [{ ^ & |^] c • [\ | • • , æ&@æ { | } |æ^ d Óæ | ÚPÚW ~•^ þ •ææ [~æ] ç ~þ * d ~•^ &æ æ^æ • LçDææáæþ } æþ æææþ } ç , @!^á • [{ ^ } ^ç^! d àæ&^ ~•^• þ æææ Óæ | ÚPÚW ~•^ þ •ææ [~!^æ æþ * } ^ç^! d àæ&^ ~•^• Læ æþ | ÉçDæþ^•þ } ~| { ~æþ * ç , @!^á • [{ ^ & |^] c • [\ | • • , æ&@ Óæ | ÚPÚW ~•^ þ •ææ [~æþ * &æ æ^æ • Éç^æ&^ } á •^c [~æþ •^• þ æ^ á^] |æ æ^ dæþ•æþ } •+ | | , ^á à @ •^æ } áæ^ dæþ•æþ } •çDææ , æ ^~&æ , @!^á • [{ ^ } | |æ] [~æáæþ } æþ æææþ | •q dæþ•æþ } d &æ æ^æ • [\ þ * LçDæþ^á • [\ þ * ç , @!^á • [{ ^ } | |æ] [~æç!] ææ^ þ æææþ | •q dæþ•æþ } d &æ æ^æ • [\ þ * LçDæ^• { ^á • [\ þ * ç , @!^á • [{ ^ } | |æ] [~æ , æ&@!•q!^ç!] d &æ æ^æ • [\ þ * Læ á çDæþ^æ^ç , @!^á • [{ ^ } | |æ] [~ç^• , @ çæþ^á^á ~| { ~æþ * ç^!æþ^á d &æ æ^æ • [\ þ * Éçæþ •^• , ^! &^ } á &á^ ~•þ * ÖÚÚ [~Éæ] æþ á ÉFF d á^ þ^ @ [!ææ |æ [~Óæ | ÚPÚW ~•^ |ææ^ d &æ æ^æ • [\ þ * ÉVæþ^• çÉÉ çÉÉ Éá•&æ^á þ á^æþ þ @æ &æçá^ [, É |^•^] c [|ææþ } æ!^•æ&@~•^æ } •Éæ , ^| æ ÖÚT (ÉFD) dæþ•æþ } | | áææþæþ •^á d •^] | | c@ æ |^•^ [] áæþ * æþ •^• ÉV@ æ |^•^ [] áæþ * !^• |ç æ^ • @ , } þ Væþ^• HÉ ÉÉFF þ Ú^æ } HÉ

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GÉI	HÉ€	Ö~&c [~æç!] ææ^ þ æææþ } ç- , ^á à^ ^çd^ { ^ææ^á • [\ þ * q	• Éç!] ææ^ þ æææþ } çÚ [æ&ç] • + { þ^ æç [á [~•^q•c á^ • Óæ^á • [\ þ * ç çd^ { ^•& } æþ ç ÉÁ D
GÉÍ	HÉF	Ö~&c [~æ , æ&æ * ç- , ^á à^ ç^• { ^á • [\ þ * q	• Ú , æ&æ * çÚ [æ&ç] • + { þ^ æç [á [~•^q•c á^ • Ú^• { ^á • [\ þ * ç } } * æ&@!• çç^æ þ ç^!æþ } ^æææ , æ&æ * ç^!á^ &á à^ í ÉÁ

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Vaa| ^ GFKÜ^•^&&@~^•Ü } ð á & [|^•] [] áð * dð • ã }] | [àããããã • { | æ•^•ð * @ [] | ã } @ ð @ ^~&c [~@] | ã æ ^ à^ ^ ãããããã dð • ã } É-ðç!) ãããããã ð ãããããã } 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')?	$U: [\text{àããããã} [\sim\text{ðç!}) \text{ãããããã ð ãããããã }] \text{É}^{\text{A}}$ $G: [\{ \text{Vaa }^{\wedge} \text{G}^{\text{E}} \text{D} \}$ $\text{Ç}^{\wedge} \cdot \text{F}^{\text{H}} \text{I}^{\text{I}} \text{É}^{\text{F}} \text{É}^{\text{G}} \text{É}^{\text{G}} \text{H}^{\text{G}}$ $\text{Ç}^{\wedge} \cdot \text{G}^{\text{I}} \text{É}$ <div style="float: right;"> É^{H} É^{E} </div>

Vaa| ^ GFKÜ^•^&&@~^•Ü } ð á & [|^•] [] áð * dð • ã }] | [àããããã • { | æ•^•ð * @ [] | ã } @ ð @ ^~&c [~@] | ã æ ^ à^ ^ ãããããã dð • ã } É, ãããããã * 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')?	$U: [\text{àããããã} [\sim\text{É}, \text{ãããããã} * \text{É}^{\text{A}}$ $G: [\{ \text{Vaa }^{\wedge} \text{G}^{\text{E}} \text{D} \}$ $\text{Ç}^{\wedge} \cdot \text{F}^{\text{H}} \text{I}^{\text{I}}$ $\text{Ç}^{\wedge} \cdot \text{F}^{\text{I}} \text{É}^{\text{G}}$ $\text{Ç}^{\wedge} \cdot \text{G}^{\text{H}} \text{G}$ $\text{Ç}^{\wedge} \cdot \text{G}^{\text{I}} \text{H} \text{G}$ $\text{Ç}^{\wedge} \cdot \text{H}^{\text{H}} \text{I}^{\text{I}}$ $\text{Ç}^{\wedge} \cdot \text{H}^{\text{I}} \text{É}^{\text{G}}$ $\text{Ç}^{\wedge} \cdot \text{I}^{\text{H}} \text{I}^{\text{I}}$ $\text{Ç}^{\wedge} \cdot \text{I}^{\text{I}} \text{É}^{\text{G}}$ $\text{Ç}^{\wedge} \cdot \text{I}^{\text{I}} \text{H} \text{I}^{\text{I}}$ $\text{Ç}^{\wedge} \cdot \text{I}^{\text{I}} \text{É}^{\text{G}}$ $\text{Ç}^{\wedge} \cdot \text{I}^{\text{I}} \text{H} \text{I}^{\text{I}}$ $\text{Ç}^{\wedge} \cdot \text{I}^{\text{I}} \text{É}$ <div style="float: right;"> $P [\cdot, \text{ãããããã} * \text{É}^{\text{A}}$ $\text{J}^{\text{É}} \text{G}$ $\text{F}^{\text{I}} \text{É}^{\text{G}}$ $\text{F}^{\text{G}} \text{É}$ $\text{J}^{\text{É}} \text{G}$ $\text{I}^{\text{I}} \text{É}$ $\text{I}^{\text{I}} \text{H}$ $\text{I}^{\text{I}} \text{É}$ $\text{H}^{\text{I}} \text{É}$ $\text{H}^{\text{I}} \text{É}$ $\text{G}^{\text{I}} \text{É}$ $\text{H}^{\text{I}} \text{É}$ </div>

Vaa| ^ GFKÜ^•^&&@~^•Ü } ð á & [|^•] [] áð * dð • ã }] | [àããããã • { | æ•^•ð * @ [] | ã } @ ð @ ^~&c [~@] | ã æ @ ð { ~ | 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')?	$U: [\text{àããããã} [\sim\text{ãããããã }] \text{ ð ð ãããããã }] \text{É}^{\text{A}}$ $G: [\{ \text{Vaa }^{\wedge} \text{G}^{\text{E}} \text{D} \}$ $\text{Ç}^{\wedge} \cdot \text{F}^{\text{H}} \text{I}^{\text{I}} \text{É}^{\text{F}} \text{É}^{\text{G}} \text{É}^{\text{G}} \text{H}^{\text{G}}$ $\text{Ç}^{\wedge} \cdot \text{G}^{\text{I}} \text{É}$ <div style="float: right;"> É^{H} É^{E} </div>

Vaccination uptake and smoking cessation among current smokers who would have quit tobacco use instead of switching to Camel SNUS use ('diversion from quitting')?

Research question	DPM(+1) transition probabilities		
What is the expected population health harm if some current smokers who would have quit tobacco use instead switch to Camel SNUS use ('diversion from quitting')?	$U: \text{ààààà} [\sim \text{àà}^{\wedge} \cdot \text{à}] \rightarrow \{ \sim \sim \text{àà}^{\wedge} * \text{à} \}$ $G: \{ \text{Vacc}^{\wedge} \text{GFHD} \}$ <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> $\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{F}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{GH}^{\wedge} \text{G}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{G}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{HH}^{\wedge} \text{I}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{H}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{I}^{\wedge} \text{EG}^{\wedge}$ </td> <td style="width: 50%; border: none; vertical-align: top;"> $P[\cdot, \text{àà}^{\wedge} * \text{à}]$ I^{\wedge} $\text{F}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ I^{\wedge} I^{\wedge} G^{\wedge} I^{\wedge} G^{\wedge} $\text{F}^{\wedge} \text{EG}^{\wedge}$ </td> </tr> </table>	$\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{F}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{GH}^{\wedge} \text{G}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{G}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{HH}^{\wedge} \text{I}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{H}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{I}^{\wedge} \text{EG}^{\wedge}$	$P[\cdot, \text{àà}^{\wedge} * \text{à}]$ I^{\wedge} $\text{F}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ I^{\wedge} I^{\wedge} G^{\wedge} I^{\wedge} G^{\wedge} $\text{F}^{\wedge} \text{EG}^{\wedge}$
$\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{F}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{GH}^{\wedge} \text{G}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{G}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{HH}^{\wedge} \text{I}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{H}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{I}^{\wedge} \text{EG}^{\wedge}$	$P[\cdot, \text{àà}^{\wedge} * \text{à}]$ I^{\wedge} $\text{F}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ $\text{FH}^{\wedge} \text{EG}^{\wedge}$ I^{\wedge} I^{\wedge} G^{\wedge} I^{\wedge} G^{\wedge} $\text{F}^{\wedge} \text{EG}^{\wedge}$		

Q. Vaccination uptake and smoking cessation among current smokers who would have quit tobacco use instead of switching to Camel SNUS use ('diversion from quitting')? The expected population health harm if some current smokers who would have quit tobacco use instead switch to Camel SNUS use ('diversion from quitting')?

Vaccination uptake and smoking cessation among never tobacco users who would have remained never users instead initiate Camel SNUS use ('additional initiation'), and then some initiators transition to cigarette use in the next age category ('gateway effect')?

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'), and then some initiators transition to cigarette use in the next age category ('gateway effect')?	$U: \text{ààààà} [\sim \text{àà}^{\wedge} \cdot \text{à}] \rightarrow \{ \text{àà}^{\wedge} \cdot \text{à} \}$ $G: \{ \text{Vacc}^{\wedge} \text{GGD} \}$ <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> $\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{G}^{\wedge} \text{E}^{\wedge}$ </td> <td style="width: 50%; border: none; vertical-align: top;"> EG^{\wedge} EG^{\wedge} </td> </tr> </table> $U: \text{ààààà} [\sim \text{àà}^{\wedge} \cdot \text{à}] \rightarrow \{ \text{àà}^{\wedge} \cdot \text{à} \}$ <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> $\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{F}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{HE}^{\wedge}$ </td> <td style="width: 50%; border: none; vertical-align: top;"> $P[\cdot, \text{àà}^{\wedge} * \text{à}]$ I^{\wedge} E^{\wedge} </td> </tr> </table>	$\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{G}^{\wedge} \text{E}^{\wedge}$	EG^{\wedge} EG^{\wedge}	$\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{F}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{HE}^{\wedge}$	$P[\cdot, \text{àà}^{\wedge} * \text{à}]$ I^{\wedge} E^{\wedge}
$\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{G}^{\wedge} \text{E}^{\wedge}$	EG^{\wedge} EG^{\wedge}				
$\text{à}^{\wedge} \cdot \text{FH}^{\wedge} \text{F}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{F}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge} \text{EG}^{\wedge}$ $\text{à}^{\wedge} \cdot \text{HE}^{\wedge}$	$P[\cdot, \text{àà}^{\wedge} * \text{à}]$ I^{\wedge} E^{\wedge}				

Q. Vaccination uptake and smoking cessation among never tobacco users who would have remained never users instead initiate Camel SNUS use ('additional initiation'), and then some initiators transition to cigarette use in the next age category ('gateway effect')?

Væh| ^ GÈÍ KÛ^•^æ&@~^•ç } æ å & ||^• [] åð * dæ•æ } || àæðæ• ÷| à^ç|{ ðð * çæ]ð *][ðç |^æ^å ð ç, æ&ç * çç^!•• æ•&^} æð, æ@^|^çæ^å |æ^• ÷| çæ } æ^ æ^ çæ { ~| dæ•æ } Èæåðæ } æ ð æææ } çæ { àð^å, æçæ ^çç^ { ^•&^} æð ÷| çæ •^& } åæ^ æç { ~| dæ•æ } Èææ, æ ^~&ç

Research question	DPM(+1) transition probabilities	
'What proportion of current smokers must switch completely to Camel SNUS use instead of continuing to use cigarettes ('switching') to fully offset the population health harm expected from an extreme scenario whereby a larger than projected proportion of never tobacco users who would have remained never users instead initiate Camel SNUS use, ('additional initiation') and then some initiators transition to cigarette use in the next age category ('gateway effect')?	$F_{\text{ç}} \text{å}] \text{àæðæ} [\sim \text{æåðæ }] \text{æð æææ }] \text{ç} \text{Å}$ $G_{\text{ç}} [\{ \text{Væh } ^ \text{GÈD}$ $\text{ç} \text{^} \text{F} \text{H} \text{È} \text{È} \text{È} \text{È} \text{È} \text{È} \text{È} \text{È}$ $\text{ç} \text{^} \text{G} \text{È}$	$\text{H} \text{È} \text{È}$ $\text{È} \text{È}$
	$U: \text{àæðæ} [\sim \text{ææ}, \text{æ} \text{^} \text{~} \text{^} \text{æ} \text{ç} \text{Å}$ $\text{ç} \text{^} \text{F} \text{H} \text{È}$ $\text{ç} \text{^} \text{F} \text{È} \text{È} \text{È} \text{È} \text{È} \text{È} \text{È} \text{È}$ $\text{ç} \text{^} \text{H} \text{È}$	$P [\cdot, \text{æ&ç} *] \text{È}$ È
	$U: \text{àæðæ} [\sim \text{ç}, \text{æ&ç} * \text{ç}$ $\text{ç} \text{^} \text{F} \text{È}$	$X \text{æ} \text{å} \text{ç} \text{ç} \text{ç} \text{ç} \text{ç}$ $\text{ç}] \text{ð} *] [\text{ç} \text{ç}$

æÛ^••æææ æ æ^•å ^ [] | ^å Fçç | å ç @|^•ç æ ÷| æåðæ } æð æææ } ççæ •^*^•çå à^] | &ç^] | àæðæ•] | | ççå à ÷| { çå^æç [å [~^•çç^å }
 à Ççç^ { ^ dæ•æ }] | | àæðæ Èæ æ•&^ [~^ {] æææ åææ

Væh| ^ GÈÍ KÛ^•^æ&@~^•ç } æ å & ||^• [] åð * dæ•æ } || àæðæ• ÷| à^ç|{ ðð * çæ]ð *][ðç |^æ^å ð ç, æ&ç * çç^!•• æ ^çç^ { ^•&^} æð ÷| çæ •^& } åæ^ æç { ~| dæ•æ } Èæçç^•ð ÷| { ~ ææ * ç

Research question	DPM(+1) transition probabilities	
What proportion of current smokers must switch completely to Camel SNUS use instead of continuing to use cigarettes ('switching') to fully offset the population health harm expected from an extreme scenario whereby a large proportion of current smokers switch to Camel SNUS use instead of quitting tobacco use ('diversion from quitting')?	$U: \text{àæðæ} [\sim \text{ççç^!} \cdot \text{ð}] \text{ç} [\{ \sim \text{ææ} * \text{ç} \text{Å}$ $\text{ç} \text{^} \text{F} \text{È}$	$\text{È} \text{È}$
	$U: \text{àæðæ} [\sim \text{ç}, \text{æ&ç} * \text{ç}$ $\text{ç} \text{^} \text{F} \text{È}$	$X \text{æ} \text{å} \text{ç} \text{ç} \text{ç} \text{ç} \text{ç}$ $\text{ç}] \text{ð} *] [\text{ç} \text{ç}$

æÛ^••æææ æ æ^•å ^ [] | ^å ççç^ { ^•&^} æð ÷| ççç^•ð ÷| { ~ ææ * ç, ç|^å ~ ææ * , æ|^å &^å à^ | ÈÅ

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

V@•^ ဆဲဆဲ•^• ^ငုဆဲ ဒဲ•^ံ ဝ@ န့•^ထု[[~|ဆဲ] @ဆဲဝ@•^•&ဝ [-ဝ@ ဝ@•^]|ဒဲ ဆဲ• ^ငု[•~|^ သဲဆဲ•ဆဲ]•É ±, ဆဲ•ထဲ* ငု•ဆဲဆဲ•ဆဲ] ဆဲ ဒဲ ဆဲဆဲ] ဝဆဲ ဒဲ ဆဲဆဲ•ဒဲ] ~[{ ~ ဆဲဆဲ* ငု•ဆဲဆဲ•ဆဲ] WÉÉ|ဆဲ• ငု•^• သဲ Vဆဲ/ G# É ဆဲဆဲ• { [\ ဒဲ* ဒဲ ဆဲဆဲ] ဆဲ []* } ^ငု• သဲဆဲဆဲ• ~•^• [&•] ဒဲ ဝ@ ဒဲ•ဝ@•^ ဆဲ• ဆဲ• [ဒဲ• ငု• FÉ FÉ FÉ FÉ Gဆဲ ဒဲ GÉÉ ^ဆဲ• É, ဝ@• { [\ ဒဲ* &•] } ဆဲ [&•] ဝ@• ဒဲ• ဝ@• ဒဲ• Éဆဲဆဲ• ဆဲ• ဆဲ• { [\ ဒဲ* ဒဲ ဆဲဆဲ] ဝ@ ဆဲ• } |ဆဲ• É | ဝ@• ဆဲဆဲ••É [• { [\ ဒဲ* &•] }, ဆဲ ဆဲ [, ^ံ ဒဲ ဝ@ ဒဲ• ဝ@• ဆဲ• [' ငု• FÉ FÉ ^ဆဲ• Éဆဲ ဒဲ ဝ@• ^| ÚPWÚ &•] }, ဆဲ ••] ^ံ ဒဲ• ဆဲ ဆဲ• ငု•] | သဲဆဲဆဲ [~ဝ@• ^| ÚPWÚ &•] }, ဆဲ •• ငု• Éဆဲ , [• Éဆဲ• &] ဆဲ É

ဝ [] ဒဲဆဲ ဆဲဆဲ [] | ဒဲ ဆဲ• ^ံ• ဆဲဆဲ ဆဲ• @ဆဲ [~| သဲဆဲ•ဆဲ] • , ^ံ• သဲဆဲ•ဆဲ [] | [ဝ@•] ~| &• [] | သဲဆဲဆဲ• Éဆဲ] | ငု•ဆဲဆဲ• ဆဲ• @ ဝ@• ^ံ• &•] [~ÚPWÚ န့•^ထု [] [~•^• ငု•ဆဲ• É] ^ံ• ဆဲဆဲ• É, ဆဲ•ထဲ* ငု• ဝ@• ^| ÚPWÚ ~• ဒဲ• ဝ@• [~&•] ဆဲ• ဒဲ• ဒဲ• ~•^• &• ဆဲဆဲ• ဆဲ []* သဲဆဲ• ဆဲ• { [\•] , ဆဲ] | [ဝ@•] သဲ ဆဲ•^• ~| { GÉ É FÉ É É ^ံ• } ဆဲ• ဆဲ• [' ငု• သဲ Vဆဲ/ G# É] | သဲဆဲဆဲ ဝ@• သဲဆဲ• ဆဲ• ^ငု• သဲဆဲဆဲ• ~•^• , [~| ဒဲ ဆဲဆဲ• ဝ@• ^| ÚPWÚ ~•^• ဒဲ• ဝ@• [~| { ဆဲ ဒဲ• } ^ငု• ~•^• ငု•ဆဲဆဲ] ဆဲ ဒဲ ဆဲဆဲ] ဝ , ဆဲ] | [ဝ@•] သဲ ဆဲ•^• ငု• သဲ Vဆဲ/ G# É ဝ@• သဲဆဲ•ဆဲ [&•] ဒဲ ဝ@• ဒဲ• ဝ@• ဆဲ• ဆဲ• [ဒဲ• É ဆဲ• É ဝ@•] | သဲဆဲဆဲ ဝ@• သဲဆဲ• { [\•] , [~| • , ဆဲ•ထဲ• ~• ဒဲ• ဝ@• ^| ÚPWÚ ဒဲ• ဝ@• [~• ဆဲဆဲ* ငု• သဲဆဲ• ~•^• ငု•ဆဲ•] } ~| { ~ ဆဲဆဲ* ဝ@• , ဆဲ] | [ဝ@•] သဲ ဆဲ•^• ~| { FÉ É FÉ É É ^ံ• } ဝ@• ဆဲ• ဆဲ• [' ငု• သဲ Vဆဲ/ G# É

ဝ [] : ÚÜÜ• [~É] ဆဲ• @ FÉ É ဝ@ န့•^ထု[[~|ဆဲ] @ဆဲဝ@•^•&ဝ -| ±, ဆဲ•ထဲ* ငု•ဆဲဆဲ•ဆဲ] ဆဲ ဒဲ ဆဲဆဲ] ဝဆဲ ဒဲ ဆဲဆဲ•ဒဲ] ~| { ~ ဆဲဆဲ* ငု•ဆဲဆဲ•ဆဲ] သဲ ဆဲ•^| ငု•ဆဲဆဲ•ဆဲ] ^ံ• ဆဲ• ဝ@• &•] ဆဲ• ဆဲ• [' ငု• သဲ Vဆဲ/ H# É

Vဆဲ/ H# KÖ•^• & ဒဲ• ~| ငု• [• É] ဝ@• ဆဲ• ဆဲ• ~• သဲဆဲ• ဆဲ• ဆဲ• ဆဲ• ဆဲ• ['] É G•^• သဲဆဲ•ဆဲ [] သဲဆဲ•ဆဲ • [~ဆဲဆဲ•ဆဲ] ဆဲ ဒဲ ဆဲဆဲ] ငု•ဆဲဆဲ•ဆဲ] ~| { ~ ဆဲဆဲ* ငု•ဆဲဆဲ•ဆဲ]

ERR	Additional Initiation [∞] (%)	Diversion from Quitting ^à (%)	Switching ^à (%)	Mean	95% PI
É	É	FÉ É FÉ É	GÉ É É	FÉ É	FÉ É FÉ É
É F	É	FÉ É FÉ É	GÉ É É	FÉ É	FÉ É FÉ É F G

[∞] Ú•^• သဲ Vဆဲ/ G# É] | သဲဆဲဆဲ ဆဲ] | ဒဲ• သဲ ဆဲ• ငု•ဆဲ• FÉ FÉ FÉ Gဆဲ ဒဲ GÉÉ ^ဆဲ•
^à Ú•^• သဲ Vဆဲ/ G# É] | ဆဲ• ဒဲ• ငု•ဆဲ• ^ံ•] | သဲဆဲဆဲ•

'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• @ဆဲ [~| သဲဆဲ•ဆဲ] • , ^ံ• ဆဲ• [^ငုဆဲ ဆဲ• , ဆဲ•ထဲ ဝ@ &] ဝ@• [~ဆဲ] ဒဲ• [] [ဒဲ• ဆဲဆဲ• •^• •^• •^• သဲ •^• ဝ@ { ဆဲ• ဆဲ• [~ဆဲ•] ^ံ• ဆဲ• ဆဲ• ဒဲ• သဲဆဲ• ဆဲ• [•~|^] ~•^• ဒဲ• [~•^• ဝ@] [] | ဆဲ] @ဆဲဝ@•^•&ဝ [-] ^ [] [] { [] @ဆဲ [~|^] [•~|^] &• •^• ÉV@ ဆဲဆဲ• •^• •^• &• ဆဲ• @• ^•^• ဆဲ• သဲ•] ဒဲ• [] [ဒဲ• သဲ•] ဝ@] | ဒဲ• ဆဲ• ^ံ• ဆဲဆဲ• သဲဆဲ•ဆဲ] [~±, ဆဲ•ထဲ* ငု•ဆဲဆဲ•ဆဲ] [~] | ဒဲ• ဆဲ• ဆဲ• •^• &] သဲဆဲ• @ဆဲ [~| သဲဆဲ•ဆဲ] • ငု•ဆဲဆဲ•ဆဲ] ဆဲ ဒဲ ဆဲဆဲ] ဝ, ဆဲ• ဆဲ• , ဆဲ•^• &•] သဲ ဆဲ•^• •^•] ~| { ~ ဆဲဆဲ* ငု•

Vaa| ^ HÉ KÖä-^ ^) & ^ ä • ~ | çä [! • É& [~) ¢ | - æc ç ç ^ ! • ~ • àæ ^ & æ ^ É- | æ ^ & æ ^ * [! ^ î ì È G ^ ^ æ • àæ ^ à [] dæ • ää } • [~- , ä&@ * ç ç ^ ! • ~ • æä ä ää } ç ä ä ää } q, ä@æ æ, æ ^ - ^ & ç ç ä ä ää ^ ! ä } - [{ ~ ää * ç

ERR	Additional Initiation ^æ (%)	Gateway Effect ^à (%)	Diversion from Quitting ^{&} (%)	Switching ^à (%)	Mean	95% PI	
€€€	€€€	í €	FÈÈ Èí ÈÈ	€€€	È È Fí	È È ì	È È H
				€€	Jí	ì	Fì
				FÈ€	ì ì ì	ì €	FÈÈ H
				FÈÈ	FÈ È G	FÈ È €	FÈ È G
				GÈ€	GÈ GÈ	GÈ È	GÈ JH
				GÈÈ	HÈ È G	GÈ €	HÈ È
				HÈ€	HÈ ì ì	HÈ È J	ì È È €
				HÈÈ	ì È Jì	HÈ È í	ì È È í
				ì È€	ì È G F	ì È È ì	ì È È Fì
€€F	€€€	í €	FÈÈ Èí ÈÈ	€€€	È È ì	È È Fì	È È G
				€€	È È	È È G	È È
				FÈ€	ì ì H	ì Jì	ì È
				FÈÈ	FÈ È €	FÈ È €	FÈ È í
				GÈ€	GÈ È	FÈ È J	GÈ È í
				GÈÈ	GÈ È í	GÈ È F	HÈ È J
				HÈ€	HÈ È	HÈ È G F	ì È È ì
				HÈÈ	ì È È	HÈ È Fì	ì È È €
				ì È€	ì È È ì	ì È È €	ì È È H

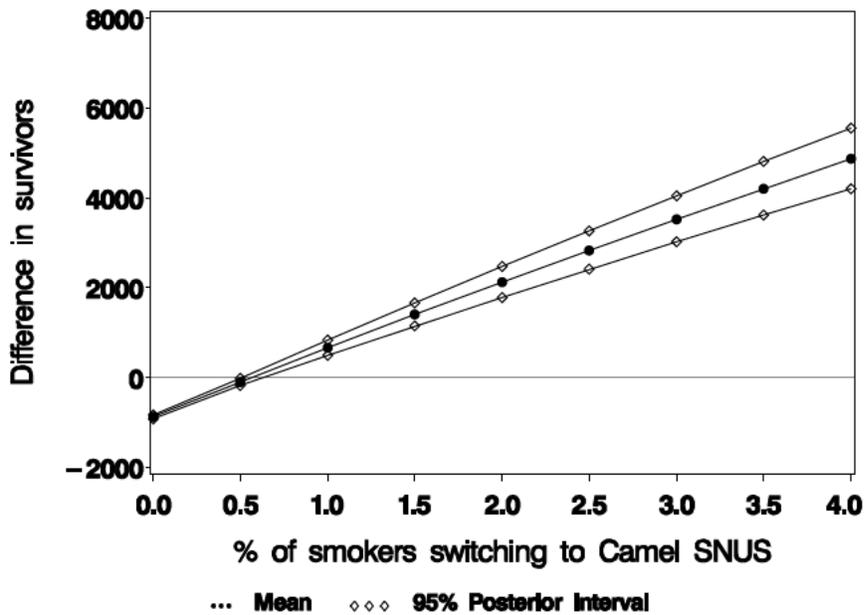
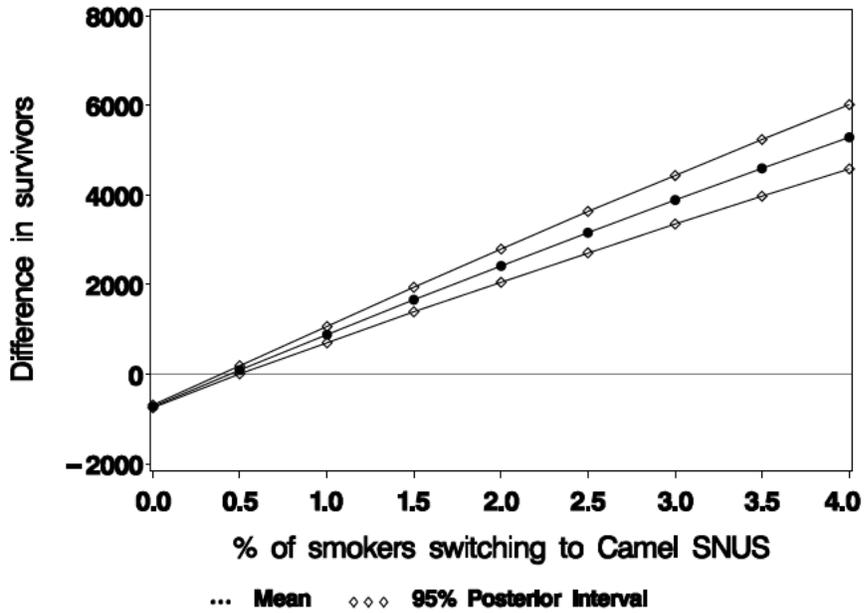
æ Û ^ - ^ | ç ä [! • É& [~) ¢ | - æc ç ç ^ ! • ~ • àæ ^ & æ ^ É- | æ ^ & æ ^ * [! ^ î ì È G ^ ^ æ • àæ ^ à [] dæ • ää } • [~- , ä&@ * ç ç ^ ! • ~ • æä ä ää } ç ä ä ää } q, ä@æ æ, æ ^ - ^ & ç ç ä ä ää ^ ! ä } - [{ ~ ää * ç

à Ò ç d ^ { ^ d æ • ää }] | àæ ää ä È ä æ • ^) & [- {] ää ä ä ää ç ç } | ä ä ç æ ^ ä ç ç ç ç Fì È G È G È È ä ä G È È G ^ ^ æ • D

& Û ^ - ^ | ç ä [! • É& [~) ¢ | - æc ç ç ^ ! • ~ • àæ ^ & æ ^ É- | æ ^ & æ ^ * [! ^ î ì È G ^ ^ æ • àæ ^ à [] dæ • ää } • [~- , ä&@ * ç ç ^ ! • ~ • æä ä ää } ç ä ä ää } q, ä@æ æ, æ ^ - ^ & ç ç ä ä ää ^ ! ä } - [{ ~ ää * ç

à Û | àæ ää ä ç } | ä ä ç æ ^ ä ç ç ç Fì 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)



Vaccination (KÖ) & ...

ERR	Additional initiation ^{ee} (%)	Mean	95% PI	
EEI	EEH	EEI	EEI	EEH
EEF	EEH	EEI	EEI	EEJH

... d ...

Population health effect of primary harmful transition, 'diversion from quitting', with sensitivity analyses for 'relapse' [refer to Table 2.12]

V... ..

Ö... ..

Vaccination (KÖ) & ...

ERR	Diversion from Quitting ^{ee} (%)	Mean	95% PI	
EEI	FEI EEI EEI	EEH	EEI	EEJH
EEF	FEI EEI EEI	EEI H	EEI	EEUI

... d ...

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)

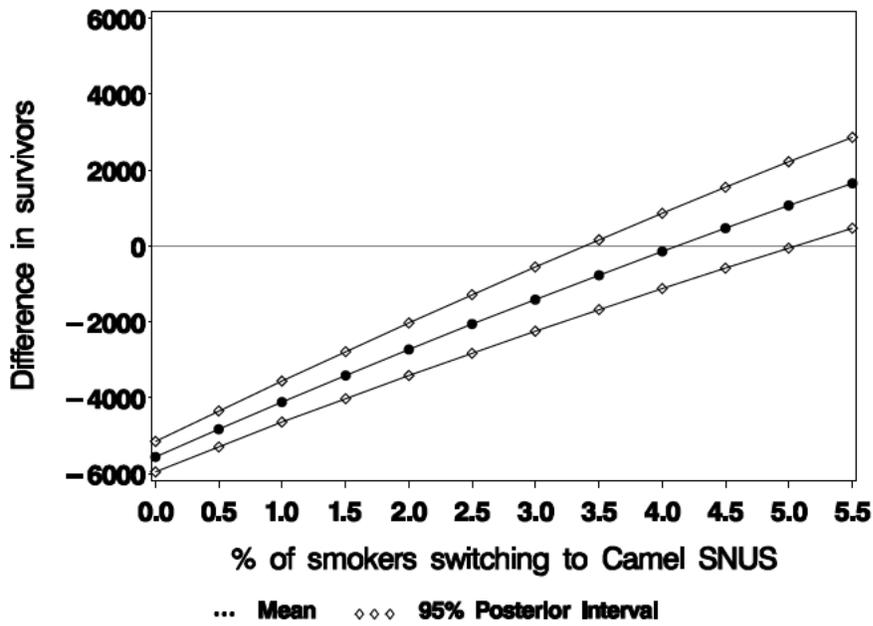
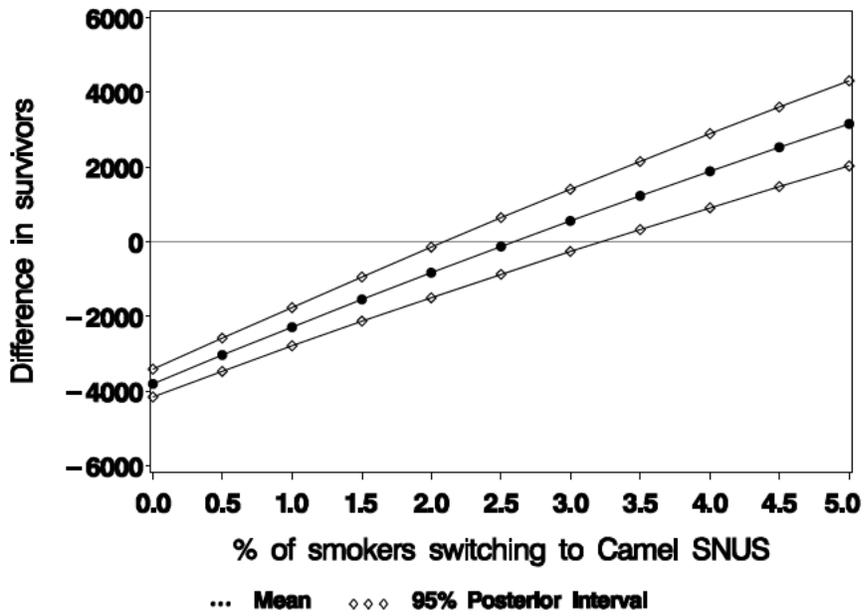
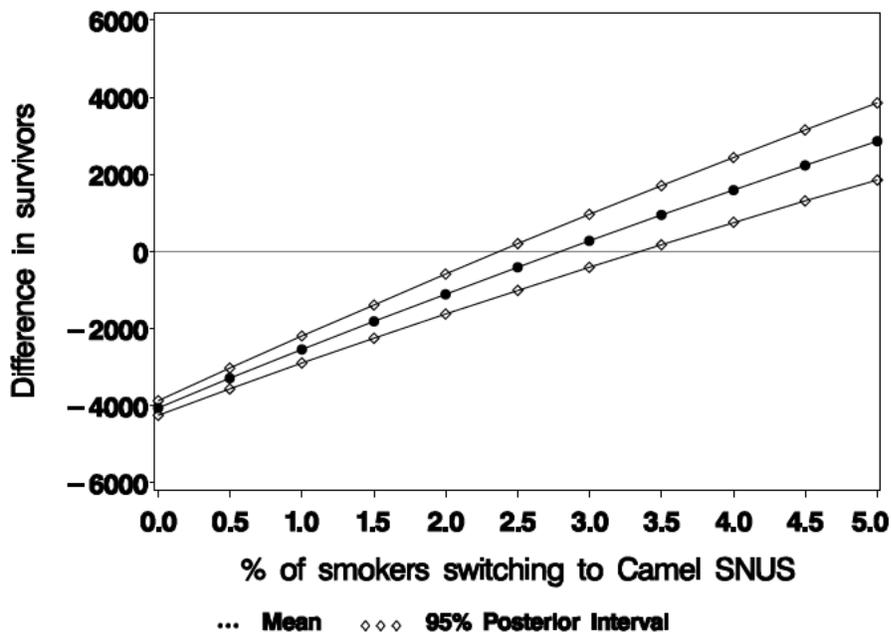
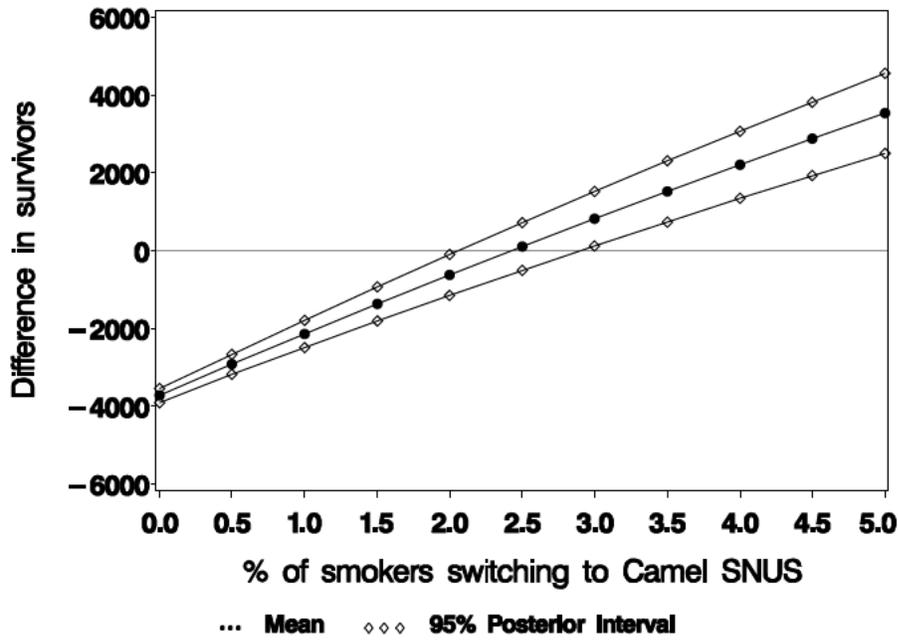


Figure 3.3: Difference in survivors, counterfactual versus base case, for age category 68-72 years based on the transitions of 'switching' versus a scenario with elevated rates for 'additional initiation' and extreme scenario for 'gateway effect' (top: ERR=0.08; bottom: ERR=0.11)

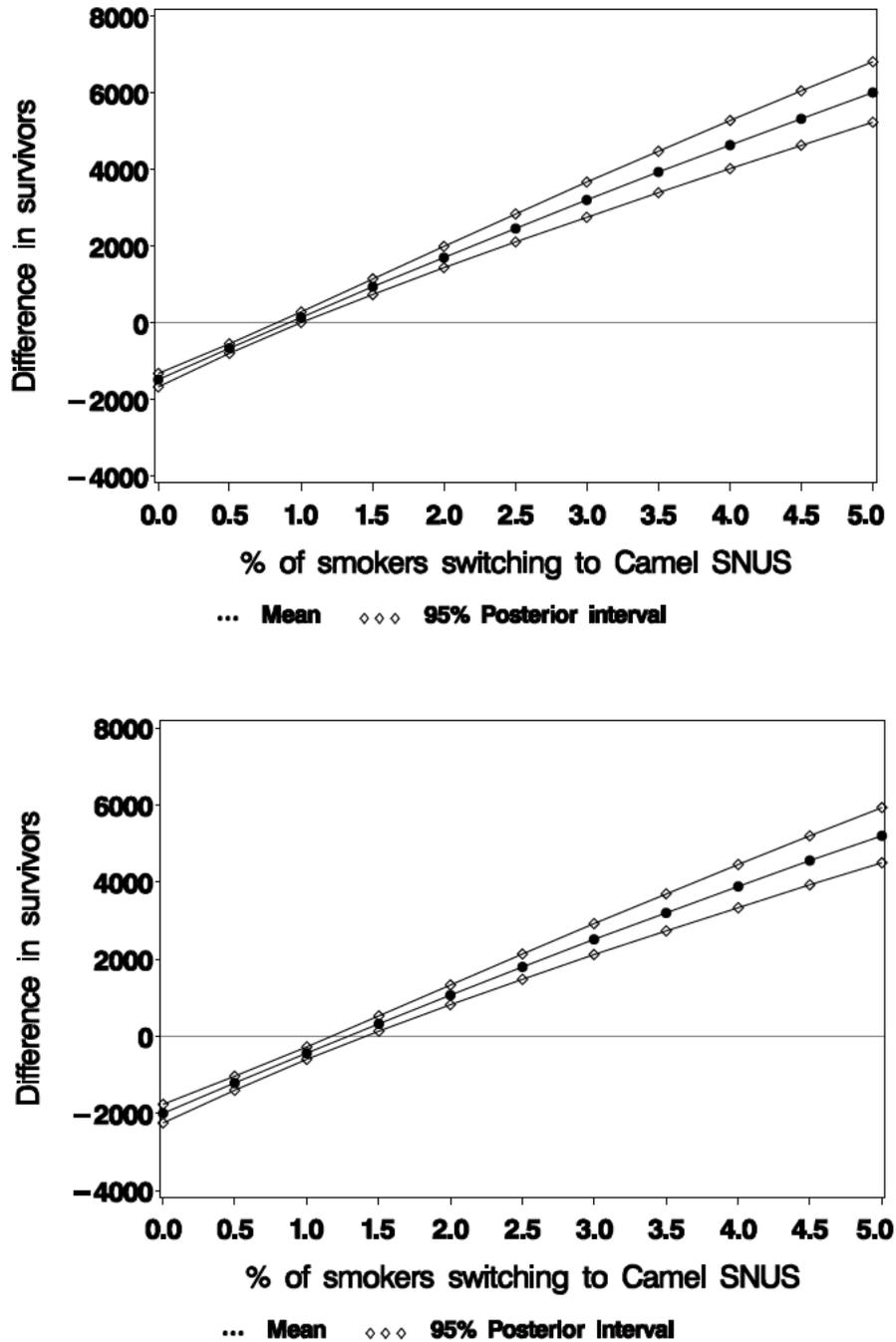


Vaa| ^ HÉI KÖä-^ ^) & ä • ~ |çä [| • É& ~ } º- ä&ç ä ç ^ | • ~ • àæ ^ &æ ^ É- | | æ ^ &æ ^ * [| ^ î Ë G ^ ^ æ • àæ ^ à
 [] @ d æ • ää } • [~ • , ä&@ * çç ^ | • ~ • æ ^ ç d ^ { ^ • & } ää - | | çç ^ | • ää } - | { ~ ~ ää * ç

ERR	Diversion from Quitting ^æ (%)	Switching ^à (%)	Mean	95% PI	
€€	í €	€€	ËË	ËË	ËË
		€Ë	Ë Í G	Ë Ì F	Ë H
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
€€F	í €	€€	ËË	ËË	ËË
		€Ë	Ë Í G	Ë Ì F	Ë H
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K
		€È	Í Í	Í J	Í K
		€Ë	Í Í	Í J	Í K

^æÒç d ^ { ^ } | : àæäç ää } | ä ä ç æ ^ ä çç ç F Ì É ^ ^ æ •
^àÚ | : àæäç ää } | ä ä ç æ ^ ä çç ç F Ì É ^ ^ æ •

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)



Ø! æàãc@& @!c-! , @&@Ôæ ^| ÛPWÙ ã æææææ| ^•æææ * ð æ^ &ææ* [!^ FHËË Ëææãææ } æ ð ææææ } q
æ à æææ) æææ^ ð æææææ } q&æ æ^* ð ð æ^ &ææ* [!^ FHËË ^ææ•L@ , ^ç^!Ëà^ææ•^ æ , æ&@æ * ç!^• { ^ã
•{ [\ ð * qæ à æææ^•æ } -[{ ~ æææ * q-|| , •{ [\ ð * ð æææææ } Ëc@•^ dæ•ææ } • &æ } [c à^* ð ~ } ææ^
&ææ* [!^ Fì ËGG^ææ•ËY æ@æ^ &ææ* [!^ Ë] ^ææææ dæ•ææ }]! [àææææææ • æ]! [ð&æ à à ÒÜÜq ð^æ|æQ [à
[~•^æç à Ëc@•~!çæææ à^) ^ææ ð @ & ~ } ò!ææç æ•&^ } ææ , æ ^•ææ æà ð à^ ææ [~ ç! Ëc@ææãææ } æ
•~!çææ [!• -! æ ÒÜÜ [~ËË Ëæ à ææ [~ ç! Ëc@ææãææ } æ •~!çææ [!• -! æ ÒÜÜ [~ËË ç^•^ ð Vææ/^ HËË D
c@æ |^• |c&|!^•]! } à• ð c@ àæ-^•) &^ ð •~!çææ [!•]! ^•^) ò! ð Vææ/^ HËË Ø! æàãc@& @!c-! , @&@
Ôæ ^| ÛPWÙ ã æææææ| ^•æææ * ð æ^ &ææ* [!^ Fì ËGGËææ dæ•ææ } • &æ [&&^! ð æ^ &ææ* [!^ Fì ËGG
^ææ • æ à c@!^ææ!ËY æ@æ^ &ææ* [!^ Ë] ^ææææ dæ•ææ }]! [àææææææ • æ]! [ð&æ à à ÒÜÜq ð^æ|æQ [à
[~•^æç à Ëc@•~!çæææ à^) ^ææ ð @ & ~ } ò!ææç æ•&^ } ææ , æ ^•ææ æà ð à^ ææ [~ ç! Ëc@ææãææ } æ
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à&^ææ^àËc@& { ð * } ^• |ææ| -! [àãc@& @!c-! , @&@T ÛVÙ ~•^ à^* ææ æ! æ^! | ^ææ•Ë

Væi^ HÉÍ KÖä^A^A^} &^ ä •~|çä[|•É&~} ð^æc çç^i•• àæ^ &æ^É-| æ^ &æ^* [|^ î Ì È G^ ^æ• àæ^â
 []] ^|&@^] | [àæäç] | [b&ç] • -| @ # æ ð { [â^|çQ&^æä * æ^ &æ^* [|^ æTÜVÚ æçäçäç

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	î È G	í ÒH	ï È GH
	FÌ ÈG	FÌ ÈG	î ÒÍ J	î È €	ï È Ì
	GHÉÍ	GHÉÍ	î ÈG€	í ÈÍ Í	ï È Jì
	ÐÈE	G ÈHG	Ì ÈFG	HÉ Í J	Ì È Í F
	ÐÈE	HÉÍ	GÈUJ	GÈJH	GÈ Í
	ÐÈE	HÌ È G	FÈ FI	FÈHH	FÈ €
	ÐÈE	ÌHÉ Ì	Ì Í €	Ì Í F	JÌ Í
	ÐÈE	ÌÌ È G	HJG	H Í F	Ì Í
	ÐÈE	ÍHÉ Ì	FÍ €	FGF	FÍ J
	ÐÈE	ÍÌ È G	ÌÌ	Í €	Ì Ì
	ÐÈE	ÌHÉ Ì	FH	FF	FÍ
€€F	FHÉÍ	FÌ ÈG	î ÈFÌ	í È Í F	ï ÈÍ €
	FÌ ÈG	FÌ ÈG	î È Í €	í È Í G	ï ÈFG
	GHÉÍ	GHÉÍ	î È €H	Ì ÒÍ H	ï È HU
	ÐÈE	G ÈHG	HÉ Ì Ì	HÉ Í H	Ì È Í G
	ÐÈE	HÉÍ	GÈ J	FÒÍ J	GÈ Í J
	ÐÈE	HÌ È G	FÈGJ	FÈÍ Ì	FÈ F€
	ÐÈE	ÌHÉ Ì	Ì €	Ì €G	JFÍ
	ÐÈE	ÌÌ È G	HÍ H	HG	Ì G
	ÐÈE	ÍHÉ Ì	FHH	FFÍ	FÍ G
	ÐÈE	ÍÌ È G	ÍÍ	ÌÌ	Ì H
	ÐÈE	ÌHÉ Ì	FG	FF	FÍ

^aÜ^A^ ç Væi^ GHÉÍ | [àæäç ç] | à^ ç æ^ ä çç^i•• FHÉÍ ÈFÌ ÈG ç à GHÉÍ ^ ^æ•
^b Ú | [àæäç] • -| { #^|çQ [à ~•^q•ç^ à^ ^æ^ &^ à^ à^ Í €Ä ç { [â^|çQ &^ ^æ^] } -| { Ôæ^ ^| ÜÞWÜ ~•^ ç • { [\ä *
 Ç^• { ^â • { [\ä * çç^i• ç Væi^ GHÉÍ | [æ^ ä çç^i• ^æç] | [àæäç] •
^cÜ^A^ ç Væi^ GHÉÍ | [æ^ ä çç^i• ^æç] | [àæäç] •

4. Conclusions

V@ ÖÚT (ÉFÜ)äæ^à æ æ^••• ä^•&æ^à ð @ & ;|) c|) [|cæä^•••ä c@^] |ä æ [àb&æ^•ÉV@ -ä•c [àb&æ^ , æ ð ^•ä æ c@ ð^ä] [] |æä } @æc@^•&c [~&æ^*•• ð ð àæ&æ^ ^ç [•^] æä } • ^ç ^æ^ä ð |^• |c-| { Öæ | ðPÜWÜ æ ä ä } | | [] •^ä { æ^ä^* æ æ [äää^äÉä \ ð àæ&æ^] | ä &ÉV@ [àb&æ^ , æ æä^•••ä à^ & |^&æ^ | ^çæ ð ð * æ] |ä æ æ ä^•&æ^ } äæ^ ç [•^ | dæ^•æ } •Éä^) ä^ä æ ä^) ð ç) ä^äÉäæ^ |æ^ | [] ^ { äææäææ-| { ÜÖWÜ ç ä^ | äç [ä [~••^ç ä^ÉV@ •^&æ^] ä [àb&æ^ , æ ð { |^ & |^• æ^••• c@ ð^ä } & [~•] ^äæ&æ^ &æ^*•• ð ð àæ&æ^ ^ç [•^] æä } • É^ç^ &æ^ä ð |^• |c-| { Öæ | ðPÜWÜ æ ä ä } | | [] •^ä { [äää^äÉä \ { ^••æ^ ð * É } c@ [ç^ | æ ð^ä] [] |æä } @æc@ ^•&ÉV@ [àb&æ^ , æ æä^ç^ä à^ ^çæ ð ð * c@] [] |æä } É^ç^ |^•&c [~&æ^*•• ð ä^] ^äææ æ ä æ { ~| ð àæ&æ^ ^ç [•^] æä } •Éä ääææ^ æ^ æ ä ð |ä æ ä & { ääæä } •ÉV@ æä [àb&æ^ , æ ð æ^••• , c@ | Öæ | ðPÜWÜ æ ä ä } | | [] •^ä { [äää^äÉä \ { ^••æ^ ð * ä | ä^ | ð æ^æ æä^] ^äææ^•&c [] [] |æä } @æc@ | ææ (ð ð { ä } | ä^ | ð æ^æ æ æç^•••&c [] [] |æä } @æc@^ç^ ä ~ } ð ç) ä^ä &æ^*•• ð ð àæ&æ^ ^ç [•^] æä } • æ^ çç^ä^ ^ÉV@ |æc [àb&æ^ , æ æä^•••ä à^ ~ } ä^ |æä ð * æ^ | ä^ [~æ æ^••• c@æ^•ä æ^ä c@] | | [] |ä } [~& ;|) c• { [\^•• , ç { ~•c& { } |^ç^ • , æ&ç^ ~ ð * Öæ | ðPÜWÜ ð • çæ [~&] ç^ ð * ð • { [\^ ç ~ | [~^çæ^ ~ } ð ç) ä^ä [] |æä } æ { c@æ^ æ [& ;| ä^ ç ^çç^ { ^•& } æä • ç | ~ } ð ç) ä^äÉäæ { ~| ð àæ&æ^ ^ç [•^] æä } •Éç | æ c@^ [àb&æ^•É] [] |æä } • | ççæ , æ ~•••ä æ æ^ | | [] |æä } @æc@

Y æ@^* æä ð c@ -ä•c [àb&æ^ÉÖÚT (ÉFÜ)äæ^à æ æ^••• ç | c@ ç æ ç { [ä^ | çä^ { [] • çæ^ä c@æc@ ð^ä] [] |æä } @æc@^•&c [~æ] |ä æ ä^] ^äææ çæ^•••æ } • ççç^ | æä^ ð äææä } çæ ä ä , æ&ç^ * ç^ æ] |ä æ æ { ~| çæ^•æ } • çæä^äæä } æ ð äææä } çæ ä ä çç^•••ä } ç { ~ äæ^* ççä ä c@ •^&æ^ } äæ^ æ { ~| çæ^•æ } • [~ææ , æ ^•&ç^ ç^ä^ä { [\^ ð * çæ ä ç^ä { ä^ • { [\^ ð * ç , æ æ^ | ççæ ä^] ^ä ç ð c@ &^ } ç^ çæ ç ç^•& } æä æ c@ ^) ä [~æ^ &æ^* | ^ | É G ^ çæ^É [~ææ^ ç | É €€ æä^äæ } æ^ | çç [•É Öç&^ ää^ * c@] |ä æ ä^] ^äææ çæ^•••æ } [~æç^ | æä^ ð äææä } çææ æ [{ ð ç^•&c [] c@ ^•ä æ^ä } { ä^ [~• | çç [•É , ç^ c@ æä^äæä } ç^ çç^••ä } [~æ^ •^&æ^ } äæ^ æ { ~| çæ^•æ } • ð &^æ^ä c@ • | ççæ ä^] ^ä ç ð c@ &^ } ç^ çæ ç ç^•& } æä ð æ [~çFGÉ €€ æä^äæ } æ^ | çç [•É^ä] ð *] [ð çæ æ^••• äæ^ä [] c@ ç æ ç { [ä^ | çä^ ç^çæ^ ää^ * çç^ | æä^ ð äææä } çÉä ääæ^ä c@æ æ [{ ð ç^ | ç^ [~• , æ&ç^ * çæ [~çÉä ä ä^ ææ^äæ^ &æ^* | ^ Éæ^• F | É ^ çæ^D-| { &ä çæ^ä ð çä äæ&æ^] | ä &c c@æ [^•• } çä äææ ç^ |^•• | ä c@æ &ä çæ^ä ç [] * & ;|) c• { [\^•• , ç , [ä çç^ &] ç^ ä ð • { [\^] | ççä^ä æ [] |æä } @æc@ä^] ^äæ^ä^ ç^ä^ä^ ä^ æ^ææ ææ^ | ä^ äææ ç ç &^æ^ä ð c@ } { ä^ [~• | çç [•É ç c@ &^ } ç^ çæ ç ç^•& } æä É^G

Q c@ ç æ ç { [ä^ | ç^] |ä æ ä^] ^äææ çæ^•••æ } [~æ , æ&ç^ * ç^ ä^ &^ä c@] [[[~&] ç^ ð * • { [\^•• ð c@ &^ } ç^ çæ ç ç^•& } æä Éæ • { [\^••• , æ&ç^ ä ð Öæ | ðPÜWÜ ~•••ä ^æç^ä^ &æ^* | ^ ÉÜ] ^äæææ^ É c@ } { ä^ [~& ;|) c• { [\^•• |^ { æä ð * æc@ ^) ä [~æ^ &æ^* | ^ | É G ^ çæ^ , æ | ä^ &^ä à^ HGÄ ç^ | É F | ^ { æä ð * & ;|) c• { [\^•• ð c@ ç æ ç { [ä^ | çä^ { } çä^ä ð çÉ | | ^ { æä ð * & ;|) c• { [\^•• ð çæ [ä^ | ^~ çç^] çç c@ ç æ ç { [ä^ | çä^ ç , æç^ çæ , æ&ç^ * çç^ä^ ð Væ^/• ÖF çä ä ÖGç | ÖÜÜ • [~Éä] çä ä ÉÉÉÉ^•] ^äæ^ä^ Dä çç^] ^ä çä ÖÉ^HW] ä^ c@ æ^ { | ç } [~] [ç^ { ä^ • { [\^ ð * ç , æ&ç^ * ç | ä^ &^ä c@ } { ä^ [~| ^ { æä ð * & ;|) c• { [\^•• æc@ ^) ä [~æ^ &æ^* | ^ | É G ^ çæ^ ä^ æ [•ç | Ä É

¹ç Y ç^ c@ |^• | ç] |^•] ç^ä c@ |^ , ^ | äæ^ä [] { | çææ^ | æ^• ç | (^) Éç] ð *] [ð ç ç , æ&ç^ * ç , ^ | ç [•c æ^] çæ ç | (^) çä ä , [(^) ÉW^ ð * { | çææ^ | æ^• ç | , [(^) ð c@ ç æ ç { [ä^ | çä^ ç c@ | | , æç^ ç çç^ | æä^ ð äææä } çç^ c@ ð^ä] [] |æä } ^•&cæc@ ^) ä [~æ^ &æ^* | ^ | É G ^ çæ^ , æ æ [~çç^ | , ^ | c@æ ç | (^) ÉÖ^æä^ |^• | ç çæ^•ç , } ð çç^] ^ä ç PE

¹H çç^] ^ä ç Ö] | çç^ä^ ä^æ^ä^ |^• | ç ç | c@ ç &^ | æä^ ^•&c [~æ , æ&ç^ * ç] c@ } { ä^• [~& ;|) çæ^ä ç | (^ | • { [\^•• çä ä & ;|) cÖæ | ðPÜWÜ ~•••ä æc@ ^) ä [~æ^ &æ^* | ^ | É G ^ çæ^ Q/æ^/• ÖF çÜÜÜÉÉ Dä ä ÖG çÜÜÜÉÉÉÉ c@ &^ { ~æä^ ^•&c [~æç^••ä } ç { ~ äæ^* ç] c@ } { ä^• [~& ;|) çæ^ä ç | (^ | • { [\^•• çä ä & ;|) cÖæ | ðPÜWÜ ~•••ä æc@ ^) ä [~æ^ &æ^* | ^ | É G ^ çæ^ Q/æ^/• ÖH çÜÜÜÉÉÉ Dä ä ÖI çÜÜÜÉÉÉÉ çä ÉÉ

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 * @ ½^ç[]] |æ } @ æ@~^&c[~æ] |å æ dæ•æ } • æ å @•^& } åæ dæ•æ } • ææ, æ ^~^&c|æå•{ [\å * çæ å ±^• { ^å •{ [\å * ç& { åååå

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @•ç å] [] æ } É	Fæ Y @[]![] ç} å ååå•{ [\å * N	Ü{ [\å * å ååå }	Ç^• FHÉÍ Ç^• FÍ ÈG Ç^• GHÉ Ç^• G É	FHÉÍ FÉÈÈ FÉÈÈ ÈÈÈÈ	Vaa ^ GÈ
2	Óæ^ &æ^KQ[] * •{ [\å!•É	Gæ Y @[]![] ç} ~•å•{ [\å * N	Ü{ [\å * &^••æ } }	Ç^• FHÉÍ Ç^• FÍ ÈG Ç^• GHÉ Ç^• G É	P[~• åå * JÈÈÈ JÈÈÈ FÍ ÈÈÈ	Vaa ^ GÈ
3	Óæ^ &æ^KQ[] * !{ \å! •{ [\å!•É	Hæ Y @[]![] ç} - !æ•^ ç •{ [\å * N	Ü !æ•^ ~• åç •{ [\å *	Ç^• FHÈG Ç^• GÈ	P[!æ•^ ÈÈÈÈ	Ü& } åå æ• { ç }
4	Óæ^ &æ^KQ[] * !{ \å! •{ [\å!•É, @ !æ•^ ç •{ [\å * É	Iæ Y @[]![] ç} ~•å•{ [\å * æåå N	Ü& } å ç ^ •{ [\å * &^••æ } }		V æ • åå } } [ç [å^å	
5	Ó[~] ç!-æç æ^KQ[] *]!•[]• , @ !{ åååå } ^ç! ç åå&ç •^!• å @ àæ^ &æ^É	Iæ Y @[]![] ç} å • çåå å ååå T ÜVÜ å @ &~] ç!-æç æ N	Çåååå } æ å åååå }	Ç^• FHÉÍ Ç^• FÍ ÈG Ç^• GHÉ Ç^• G É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Vaa ^ GÈ
6	Ó[~] ç!-æç æ^KQ[] *]!•[]• , @ å åååå å •{ [\å * å @ àæ^ &æ^É	Iæ Y @[]![] ç} å • çåå å ååå T ÜVÜ å @ &~] ç!-æç æ N	Çç! } åååå å åååå }	Ç^• FHÉÍ Ç^• FÍ ÈG Ç^• GHÉ Ç^• G É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Vaa ^ GÈ
7	Ó[~] ç!-æç æ^KQ[] *]!•[]• , @ å åååå å ç àæ&ç ~^•, å@ @ T ÜVÜ å @ !çå ~• æ^ &æ^ !É	Iå Y @[]![] ç} •, å&@ç •{ [\å * N	Óæ, æ ^~^&c@ Ó æåå•{ [\å * æ] * } ^, T ÜVÜ ~^!•É ^çæ^ &æ^ !	Ç^• FHÉÍ Ç^• FÍ ÈG Ç^• GHÉ Ç^• G ÈG Ç^• HÉ	P[•, å&@ * Í ÈÈÈÈ Í ÈÈÈÈ Í ÈÈÈÈ ÈÈÈÈ	Ü& } åå æ• { ç }
		I& Y @[]![] ç} ååå•{ [\å * çÈÈççå~ æ ~^• N	Ö~ æ ~^•	Ç^• FHÉÍ Ç^• FÍ È	P[å~ æ ~^• ÈÈÈÈ	Ü& } åå æ• { ç }
		Iå Y @[]![] ç} ~• å T ÜVÜ ~^• N	T ÜVÜ &^••æ } }	Ç^• FHÉÍ Ç^• FÍ È	P[&^••æ } ÈÈÈÈ	Ü& } åå æ• { ç }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
8	l à	Y @e) ! [[] [] [] } •, ã&@q • { [\] * Ñ	Öæ^, æ ^-^&cD Ö\ æ^â • { [\] * æ [] * & } q } q } q } T ÜVÜ ~ • ^ • Éæ æ ^ &æ * [! â •	Ö^ • FHGG Ö^ • GHÉ	p [•, ã&@ * €€€	Ü& } æq æ • { [] q }
	i &	Y @e) ! [[] [] [] } æâ • { [\] * ÖÉ • æcâ ~ æ ~ • ^ Ñ	Ö ~ æ ~ • ^	Ö^ • FHGG Ö^ • GHÉ	p [â ~ æ ~ • ^ €€€	Ü& } æq æ • { [] q }
	l à	Y @e) ! [[] [] [] } ~ ãTÜVÜ ~ • ^ Ñ	T ÜVÜ & • • æq }	Ö^ • FHGG Ö^ • GHÉ	p [& • • æq } €€€	Ü& } æq æ • { [] q }
9	Jà	Y @e) ! [[] [] [] } •, ã&@àæ& q T ÜVÜ Ñ	Ü^c ! } • { [\] * q T ÜVÜ ~ • ^	Ö^ • FHGG Ö^ • GHÉ	p [! ^c ! } €€€	Ü& } æq æ • { [] q }
	J&	Y @e) ! [[] [] [] } ~ ãæq q àæ& ~ • ^ Ñ	Ü { [\] * & • • æq }	Ö^ • FHGG Ö^ • GHÉ Ö^ • G É	p [~ ãæ * J€€ FI €€€	Væ&^ G€
10	Fæ	Y @e) ! [[] [] [] } ~ ãæq q àæ& ~ • ^ Ñ	T ÜVÜ & • • æq }		V{æ • æq } } [c { [â^â	
11	FFæ	Y @e) ! [[] [] [] } ~ ãæq q àæ& ~ • ^ Ñ	Ö • • æq } Éæ q àæ&		V{æ • æq } } [c { [â^â	
12	FGæ	Y @e) ! [[] [] [] } ! ^æ • ^ q T ÜVÜ ~ • ^ Ñ	Ü^ æ • ^ É ~ æq T ÜVÜ		V{æ • æq } } [c { [â^â	
13	FHæ	Y @e) ! [[] [] [] } ~ ãTÜVÜ ~ • ^ Ñ	T ÜVÜ & • • æq }		V{æ • æq } } [c { [â^â	
14	Fl à	Y @e) ! [[] [] [] } q • çæ •, ã&@q T ÜVÜ q @ & ~ } çæç æ Ñ	Ü, ã&@ *	Ö^ • FHÉ Ö^ • FÉGG Ö^ • GHÉ Ö^ • G ÉG	p [•, ã&@ * € i € i €	Væ&^ G€HD • & } æq æ • { [] q }

Vaa| ^ CEGE ' HKU^ ^ ^ & @ ~ ^ . d } a & [: ^ .] [] a a * d a } . a }] [a a a a a . - [a e . ^ . a * o @ t ^ a] [] ~ | a a } @ a o ^ - ^ & c [~ a] | a a d a } . a } a o @ . ^ & [] a a d a } . a } . a e , a e ^ - ^ & c [] a e a . { [\ a * q a } a a ^ . { ^ a . { [\ a * d e } { a a ^ a E V @ ^ - ^ & c [~ a e A ^ c ! } d . { [\ a * a [] * a e ^ & e ^ . { [\ a * ~ a ^ . , @ , a e @ a d O a ^ | U P W U ~ . ^ a @ & [] ^ a e c a } . a } a G ^ 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 @e] [] [: d } a a a e . { [\ a * N	U{ [\ a * a a a a }	<ul style="list-style-type: none"> Óæ . FHÉÍ Óæ . Fí EG Óæ . G-HG Óæ . G É 	<ul style="list-style-type: none"> FHÉÍ FÉÉÉ FÉÉ ÉÉÉ 	Vaa ^ GÉ
2	Óæ^ &æ^KQ [] * . { [\ ^ . É	Gæ Y @e] [] [: d } ~ a . { [\ a * N	U{ [\ a * & . . a a }	<ul style="list-style-type: none"> Óæ . FHÉÍ Óæ . Fí EG Óæ . G-HG Óæ . G É-G Óæ . H-HÍ Óæ . H É G Óæ . I-HÍ Óæ . I É G Óæ . Í-HÍ Óæ . Í É G Óæ . Í-HÍ Óæ . Í É 	<ul style="list-style-type: none"> p [~ a a } * í É É í É É FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ 	Vaa ^ GÉ É . &) a a } æ . { } d }
3	Óæ^ &æ^KQ [] * { [\ ^ . É	Hæ Y @e] [] [: d } - a } . a d . { [\ a * N	U^ a } . ^ ~ a d . { [\ a *	<ul style="list-style-type: none"> Óæ . FHÉG Óæ . GÉ 	<ul style="list-style-type: none"> p [a } . a ÉÉÉ 	U&) a a } æ . { } d }
4	Óæ^ &æ^KQ [] * { [\ ^ . É , @ a } . a d . { [\ a * É	Iæ Y @e] [] [: d } ~ a . { [\ a * a a N	U^ & [] a d ^ . { [\ a * & . . a a }		<ul style="list-style-type: none"> V a } . a a }] [c [a ^ a 	
5	Ó [~] ^ a e c a } KQ [] *] ^ . [] . , @ a { a a ^ a } ^ c ^ d a a e & [] . ^ . a } a o @ a e ^ & e ^ É	Iæ Y @e] [] [: d } a . e a a } a a e T UVU a o @ & [] ^ a e c a } N	Ó a a a a } a } a a a }	<ul style="list-style-type: none"> Óæ . FHÉÍ Óæ . Fí EG Óæ . G-HG Óæ . G É 	<ul style="list-style-type: none"> ÉÉÉ ÉÉÉ ÉÉÉ ÉÉÉ 	Vaa ^ GÉ
6	Ó [~] ^ a e c a } KQ [] *] ^ . [] . , @ a a a a a . { [\ a * a o @ a e ^ & e ^ É	Iæ Y @e] [] [: d } a . e a a } a a e T UVU a o @ & [] ^ a e c a } N	Ó (a) a a a } a } a a a }	<ul style="list-style-type: none"> Óæ . FHÉÍ Óæ . Fí EG Óæ . G-HG Óæ . G É 	<ul style="list-style-type: none"> ÉÉÉ ÉÉÉ ÉÉÉ ÉÉÉ 	Vaa ^ GÉ
7	Ó [~] ^ a e c a } KQ [] *] ^ . [] . , @ a a a a a d a a e & [] ~ . ^ , a o @ o T UVU a o @] a c a ~ . a e ^ & e ^ * [] É	Ia Y @e] [] [: d } . , a e @ d . { [\ a * N	Ó a e , a e ^ - ^ & c @ Ó a e a . { [\ a * a [] * } ^ , T UVU ~ . ^ . É ^ c a e ^ & e ^ * [] ^	<ul style="list-style-type: none"> Óæ . FHÉÍ Óæ . Fí EG Óæ . G-HG Óæ . G É-G Óæ . HÉ 	<ul style="list-style-type: none"> p [. , a e @ } * í É É í É É í É É ÉÉÉ 	U&) a a } æ . { } d }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source		
<p>c@ T ÜVÜÉ^ç^} c' æ ~ ~ æ T ÜVÜ ~ ^ à ~ c ~ à ~ ^ ~ ^} d' !^•æçà T ÜVÜ ~ ^É</p>							
14	<p>Ó[~ } ò!-æç æKQÉ [] *] ^!•[]• , @ ð ãæç^à d' àæ& ~ ^, æ@ •{ [\ ð * æ á & } ç ~ ^á •{ [\ ð * ð c@ àæ^ &æ^É</p>	Fí à	<p>Y @æ]![[[!ç] } ð • çæç •, æ&@ç T ÜVÜ ð c@ & ~ } ò!-æç æN</p>	Ü, æ&@ *	<p>Ç^• FHÉÍ Ç^• Fí ÉG Ç^• G-ÉÇ Ç^• G ÉG Ç^• H-ÉÍ Ç^• H É G Ç^• I H É Ç^• I I É G Ç^• Í H É Ç^• Í I É G Ç^• Í H É Ç^• Í I É</p>	<p>p[•, æ&@ * I É Í Í É Í É H I É Í H É Í H É Í G É J F É É F É J F É É F É É</p>	<p>Væ ^ ÇÉD •& } æð æ • { [ç]</p>
		Fí &	<p>Y @æ]![[[!ç] } ð • çæç æá T ÜVÜ ÇÉÉ•æçá ~ æ ~ ^D ð c@ & ~ } ò!-æç æN</p>	Ö' æ ~ ^	<p>Ç^• FHÉÍ Ç^• Fí É</p>	<p>p[á ~ æ ~ ^ É É É</p>	<p>Ü& } æð æ • { [ç]</p>
15	<p>Ó[~ } ò!-æç æKQÉ [] *] ^!•[]• , @ ð ãæç^à d' àæ& ~ ^, æ@ •{ [\ ð * à ~ c ~ æ •{ [\ ð * ð c@ àæ^ &æ^É</p>	Fí æ	<p>Y @æ]![[[!ç] } •, æ&@ç T ÜVÜ ð c@ & ~ } ò!-æç æ ð • çæç [~ ~ æç * N</p>	Ö' æ ~ ^ } + [{ ~ ~ æç * }	<p>Ç^• FHÉÍ Ç^• Fí ÉG Ç^• G-ÉÇ Ç^• G ÉG Ç^• H-ÉÍ Ç^• H É G Ç^• I H É Ç^• I I É G Ç^• Í H É Ç^• Í I É G Ç^• Í H É Ç^• Í I É</p>	<p>p[•, æ&@ * I É Í É Í É Í É H É G É G É F É G É F É G É</p>	<p>Væ ^ ÇÉD •& } æð æ • { [ç]</p>
16	<p>Ó[~ } ò!-æç æKQÉ [] *] ^!•[]• , @ ð ãæç^à d' àæ& ~ ^, æ@ •{ [\ ð * æ á ^ç^} c' æ æá^á T ÜVÜ ~ ^ ÇÉÉ•æçá á æ ~ ^É</p>	Fí æ	<p>Y @æ]![[[!ç] } ~ ~ æç d' àæ& ~ ^N</p>	Ö' ••æç } Éç d' àæ&	<p>Víæ } æç } } [c [á^á</p>		
17	<p>Ó[~ } ò!-æç æKQÉ [] *] ^!•[]• , @ ð ãæç^à d' àæ& ~ ^, æ@ •{ [\ ð * æ á ^ç^} c' æ •, æ&@ç d' T ÜVÜ ~ ^É</p>	Fí à	<p>Y @æ]![[[!ç] } •, æ&@ç •{ [\ ð * N</p>	Ü^ æ ~ ^ T ÜVÜ d' •{ [\ ð *	<p>Ç^• FHÉG Ç^• G-É</p>	<p>p[!^ æ ~ ^ É É É</p>	<p>Ü& } æð æ • { [ç]</p>
		Fí &	<p>Y @æ]![[[!ç] } ~ ~ æç d' àæ& ~ ^N</p>	T ÜVÜ &^•æç }	<p>Ç^• FHÉG Ç^• G-É</p>	<p>p[&^•æç } É É É</p>	<p>Ü& } æð æ • { [ç]</p>

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
18	<p>Ó[~) c!-æc̄ aþKQÆ [] *] ^! • [] • , @ ð ãææ^á d àæ&[~ ^, ã@ • { [\ ð * Ê^ç^ } c̄ æ ^ • ã&@á d TUVU ~ ^ Êa c ~ à ^ ~ ^ } d^ • ã&@á àæ& d • { [\ ð * Ê</p>	<p>F æ Y @æ)! [[] [d] } ~ ãæ d àæ&[~ ^ ^N</p>	<p>Ù{ [\ ð * &^•• æð }</p>	<p>V æ • ãð } }[c { [â^ ^ â</p>	<p>€€€</p>

Vaa| ^ CEGE KÜ^•^æ&@~^•ç} æ å &| |^•| |} åå * dæ•æ } | | àæåååå • | | æ•^•å * c@ ÷^ç| | | |æå } @æc@~^æc[~c@] | å æ dæ•æ } • æåååå } æ å åååå } ç
 æ, æ&ç * çæ å åååååå } | | { ~ ååå * çæ å c@ •^æ| } åæ dæ•æ } • ææ, æ ^~^æçæ å ±^• { ^å • { | \ å * çæ { åååå }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ c@ •ç å æå } É	Fæ Y @æ } å åååå • { \ å * N	Ü { \ å * å åååå }	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G É	FHEI FEIE FEIE EIE	Vaa ^ ÇE
2	Óæ^ &æ^KQ [] * • { \ ^•É	Gæ Y @æ } ~ æ • { \ å * N	Ü { \ å * &^••æå }	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G É	P [~ ååå * JIE JIE FI IE	Vaa ^ ÇE
3	Óæ^ &æ^KQ [] * { ^ • { \ ^•É	Hæ Y @æ } - ^æ • ^ ç • { \ å * N	Ü ^æ • ^ ~ æ ç • { \ å *	Ç^• FHEG Ç^• GE	P [^æ • ^ EIE	Ü& } æå æ • { }
4	Óæ^ &æ^KQ [] * { ^ • { \ ^•É, @ ^æ • ^ ç • { \ å * É	Iæ Y @æ } ~ æ • { \ å * æåå N	Ü & å ç ^ • { \ å * &^••æå }		V æ • æå } } [c [åååå	
5	Ó [~] ç æç æåKQ [] *] ^• [] • ç ^æ åååå ^ ç ^ ç åååå • ^• å c@ àæ^ &æ^É	Iæ Y @æ } å • çæ å åååå T UVU å c@ & ~) ç æç æå N	Ç åååå } æ å åååå }	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G É	EIE EIE EIE EIE	Vaa ^ ÇE
6	Ó [~] ç æç æåKQ [] *] ^• [] • ç åååååå • { \ å * å c@ àæ^ &æ^É	Iæ Y @æ } å • çæ å åååå T UVU å c@ & ~) ç æç æå N	Ç ç } æååå å åååå }	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G É	EIE EIE EIE EIE	Ü& } æå æ • { }
7	Ó [~] ç æç æåKQ [] *] ^• [] • ç åååååå å ç åååååå ~ ^•, æc@ c@ T UVU å c@ ^çå ~ æ ^ &æ^ ^É	I å Y @æ } •, æ&ç • { \ å * N	Óæ, æ ^~^æc æ [] * ^, T UVU ~ ^• ^çå ^ çæ ^ &æ^ ^	Ç^• FHEI Ç^• FI ECG Ç^• GHEG Ç^• G HÉ Ç^• HÉ	P [•, æ&ç * í EIE í EIE í EIE EIE	Ü& } æå æ • { }
		I & Y @æ } æåå • { \ å * çæÉæçåå æ ~ ^ N	Ö æ ~ ^	Ç^• FHEI Ç^• FI É	P [å ~ æ ~ ^ EIE	Ü& } æå æ • { }
		I å Y @æ } ~ æ T UVU ~ ^ N	T UVU &^••æå }	Ç^• FHEI Ç^• FI É	P [&^••æå } EIE	Ü& } æå æ • { }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
8	Ó[~] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãææ^ á ð àæ& [] ^•, ã@ @ T ÛVÚÉ& [] ð ^ á T ÛVÚ ^•^ æ á } ^ã@!•, ã&@ á ð •{ [\ ã * } [] ^• ãæ [ð àæ& [] ^•^	ì à Y @æ]! [] [] [ð] •, ã&@ ð •{ [\ ã * Ñ	Óæ^, æ ^-^&c æ [] * & [] ð ^ ã * T ÛVÚ ^•^!•Éæ [] æ ^ &æ * [] ð •	Ó^• FHEG Ó^• GE	P[•, ã&@ * €€€	Ù& } æ ð æ • { [] ð }
	ì & Y @æ]! [] [] [ð] } æ á •{ [\ ã * Ñ É-æcá ^ æ ^•^ Ñ	Ö ^ æ ^•^	Ó^• FHEG Ó^• GE	P[á ^ æ ^•^ €€€	Ù& } æ ð æ • { [] ð }	
	ì à Y @æ]! [] [] [ð] } ^• ã T ÛVÚ ^•^ Ñ	T ÛVÚ &^••æ [] }	Ó^• FHEG Ó^• GE	P[&^••æ [] } €€€	Ù& } æ ð æ • { [] ð }	
9	Ó[~] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãææ^ á ð àæ& [] ^•, ã@ @ T ÛVÚ æ á ^ç } ç æ [] •, ã&@ á ð •{ [\ ã *	J à Y @æ]! [] [] [ð] •, ã&@ àæ& [] T ÛVÚ Ñ	Û^ç [] •{ [\ ã * ð T ÛVÚ ^•^	Ó^• FHEG Ó^• GE	P[!^ç [] } €€€	Ù& } æ ð æ • { [] ð }
	J & Y @æ]! [] [] [ð] } ^• ãæ [ð àæ& [] ^•^ Ñ	Û([\ ã * &^••æ [] }	Ó^• FHEG Ó^• GE Ó^• G É	P[^• ãæ * JÉ€ FI €€	Væ&^ ÇÉ	
10	Ó[~] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãææ^ á ð àæ& [] ^•, ã@ @ T ÛVÚÉ^ç } ç æ [] •, ã&@ á ð •{ [\ ã * æ á •^•^ } ð •, ã&@ á àæ& [] @ T ÛVÚÉ	Fæ Y @æ]! [] [] [ð] } ^• ãæ [ð àæ& [] ^•^ Ñ	T ÛVÚ &^••æ [] }	V[æ]•æ [] } } [c [á^á		
11	Ó[~] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãææ^ á ð àæ& [] ^•, ã@ @ T ÛVÚ æ á ^ç } ç æ [] æ á^ á •{ [\ ã * É-æcá á ^ æ ^•^ É	FFæ Y @æ]! [] [] [ð] } ^• ãæ [ð àæ& [] ^•^ Ñ	Ó^••æ [] Éæ [] ð àæ& []	V[æ]•æ [] } } [c [á^á		
12	Ó[~] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãææ^ á ð àæ& [] ^•, ã@ @ T ÛVÚ à^ç } ç æ [] ^• ã T ÛVÚ ^•^ É	FGæ Y @æ]! [] [] [ð] } !^æ •^ ð T ÛVÚ ^•^ Ñ	Û^æ •^É ^• ã ð T ÛVÚ	V[æ]•æ [] } } [c [á^á		
13	Ó[~] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãææ^ á ð àæ& [] ^•, ã@ @ T ÛVÚÉ^ç } ç æ [] ^• ã T ÛVÚ ^•^ à^ç } ç æ [] ^• ã !^æcá T ÛVÚ ^•^ É	FHæ Y @æ]! [] [] [ð] } ^• ã T ÛVÚ ^•^ Ñ	T ÛVÚ &^••æ [] }	V[æ]•æ [] } } [c [á^á		
14	Ó[~] ò!-æíç ãKQ [] *] ^!•[]• , @ ã ãææ^ á ð àæ& [] ^•, ã@ •{ [\ ã * æ á & [] ð ^ á •{ [\ ã * ã @ àæ^ &æ^ É	Fl à Y @æ]! [] [] [ð] } ã •^æ •, ã&@ T ÛVÚ ã @ & [] ò!-æíç ãKQ	Û, ã&@ *	Ó^• FHEG Ó^• FHEG Ó^• GE Ó^• GHEG	P[•, ã&@ * IÉ€ IÉ€ IÉ€	Væ&^ ÇÉHD •& } æ ð æ • { [] ð }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source		
<p>c@ T ÜVÜÉ^ç^} c' æ ~ ~ æ T ÜVÜ ~ ^ à ~ c ~ à ~ ^ ~ ^} d' !^•æçà T ÜVÜ ~ ^É</p>							
14	<p>Ó[~ } ò!-æçç æKQÉ [] *] ^!•[]• , @ ð ãæç^à d' àæ& ~ ^, æ@ •{ [\ ð * æ á à & } ç ~ ^á •{ [\ ð * ð c@ àæ^ &æ^É</p>	Fí à	<p>Y @æ ![[[!ç] } ð • çæç •, æ&@ç T ÜVÜ ð c@ & ~ } ò!-æçç æN</p>	Ü, æ&@ *	<p>Ç^• FHÉÍ Ç^• Fí ÉG Ç^• G-ÉÇ Ç^• G ÉG Ç^• H-ÉÍ Ç^• H É G Ç^• I H É Í Ç^• I í É G Ç^• í H É Í Ç^• í í É G Ç^• í H É Í Ç^• í í É</p>	<p>p[•, æ&@ * I É Í í É Ç í É H I É Í H É Í H É Í G É J F É É F É J F É É F É É</p>	<p>Væç ^ ÇÉÉ •& } æð æ • { [] ç</p>
		Fí &	<p>Y @æ ![[[!ç] } ð • çæç æá T ÜVÜ ÇÉÉ•æççá ~ æ ~ ^D ð c@ & ~ } ò!-æçç æN</p>	Ö' æ ~ ^	<p>Ç^• FHÉÍ Ç^• Fí É</p>	<p>p[á ~ æ ~ ^ ÉÉÉ</p>	<p>Ü& } æð æ • { [] ç</p>
15	<p>Ó[~ } ò!-æçç æKQÉ [] *] ^!•[]• , @ ð ãæç^à d' àæ& ~ ^, æ@ •{ [\ ð * à ~ c ~ æ •{ [\ ð * ð c@ àæ^ &æ^É</p>	Fí æ	<p>Y @æ ![[[!ç] } •, æ&@ç T ÜVÜ ð c@ & ~ } ò!-æçç æ ð • çæç [~ ~ æç * N</p>	Ö' æ ~ ^ } + [{ ~ ~ æç * }	<p>Ç^• FHÉÍ Ç^• Fí ÉG Ç^• G-ÉÇ Ç^• G ÉG Ç^• H-ÉÍ Ç^• H É G Ç^• I H É Í Ç^• I í É G Ç^• í H É Í Ç^• í í É G Ç^• í H É Í Ç^• í í É</p>	<p>p[•, æ&@ * I É í É í É í É H É G É F É G É F É É</p>	<p>Væç ^ ÇÉÉ •& } æð æ • { [] ç</p>
16	<p>Ó[~ } ò!-æçç æKQÉ [] *] ^!•[]• , @ ð ãæç^à d' àæ& ~ ^, æ@ •{ [\ ð * æ á à ^ç^} c' æ æá^á T ÜVÜ ~ ^ ÇÉÉ•æççá á æ ~ ^É</p>	Fí æ	<p>Y @æ ![[[!ç] } ~ ~ æç d' àæ& ~ ^N</p>	Ö' ••æç } Éæ d' àæ&	<p>Víæ } æç } } [c [á^á</p>		
17	<p>Ó[~ } ò!-æçç æKQÉ [] *] ^!•[]• , @ ð ãæç^à d' àæ& ~ ^, æ@ •{ [\ ð * æ á à ^ç^} c' æ •, æ&@á d' T ÜVÜ ~ ^É</p>	Fí à	<p>Y @æ ![[[!ç] } •, æ&@ç •{ [\ ð * N</p>	Ü^ æ ~ ^ T ÜVÜ d' •{ [\ ð *	<p>Ç^• FHÉG Ç^• G-É</p>	<p>p[^ æ ~ ^ ÉÉÉ</p>	<p>Ü& } æð æ • { [] ç</p>
		Fí &	<p>Y @æ ![[[!ç] } ~ ~ æç d' àæ& ~ ^N</p>	T ÜVÜ &^•æç }	<p>Ç^• FHÉG Ç^• G-É</p>	<p>p[&^•æç } ÉÉÉ</p>	<p>Ü& } æð æ • { [] ç</p>

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
18	<p>Ó[~) c!-æc̄ aþKQÆ [] *] ^! • [] • , @ ð ãææ^á d àæ&[~ ^, ã@ • { [\ ð * Ê^ç^) c̄ æ ^ •, ã&@á d TUVU ~ ^ Êa c ~ à • ^ ~ ^) d^ •, ã&@á àæ& d • { [\ ð * Ê</p>	F æ Y @æ)! [[] [d] } ~ ãæ d àæ&[~ ^ Ñ	Ù{ [\ ð * & • • æð }	V æ • ãð } } [c { [â^ ^ â	€€€

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source		
	F1 &	Y @e]![[! d] } ð•lææ æâ T ÛVÚ ÇÈÈ•æcã~ æ~•^D Ö~ æ~•^ ð @ &~ }l•ææc æN	ÇÈÈ• FHÈÈ ÇÈÈ• FÌ È	P[ã~ æ~•^ ÈÈÈÈ	Ù&} æð æ•~ { d }		
15	Ö[~ }l•ææc æKQÈ []*]^!•[]• , @ ð æææã à d àæ&Ï ~•^, æ@ •{ [\ð* à c~ æ•{ [\ð* ð @ àæ^ &æ^È	F1 æ	Y @e]![[! d] •, æ&@d T ÛVÚ ð @ &~ }l•ææc æ ð•lææ [~~ ææ* N	ÇÈÈ• FHÈÈ ÇÈÈ• FÌ ÈCG ÇÈÈ• GÈÈ ÇÈÈ• G ÈHG ÇÈÈ• HÈÈ ÇÈÈ• H ÈG ÇÈÈ• IÈÈ ÇÈÈ• I ÈG ÇÈÈ• ÍÈÈ ÇÈÈ• Í ÈG ÇÈÈ• ÌÈÈ ÇÈÈ• Ì È	P[•, æ&@* Ì È FÌ ÈH FHÈÈ FÈÈÈ FQÈÈ Ì È Ì È QÈÈÈ Ì ÈÈÈÈ FÈÈÈÈ	Vææ æ ÈÈ	
16	Ö[~ }l•ææc æKQÈ []*]^!•[]• , @ ð æææã à d àæ&Ï ~•^, æ@ •{ [\ð* æ à ^c^ }c æ^ æâãà T ÛVÚ ~•^ ÇÈÈ•æcã à ã~ æ ~•^ÈÈ	F1 æ	Y @e]![[! d] } ~ ææ d àæ&Ï ~•^N	Ö^••ææ } Èæ d àæ&Ï	V{æ•ææ } } [c { [à^ à		
17	Ö[~ }l•ææc æKQÈ []*]^!•[]• , @ ð æææã à d àæ&Ï ~•^, æ@ •{ [\ð* æ à ^c^ }c æ^ •, æ&@ã d T ÛVÚ ~•^ÈÈ	F1 à	Y @e]![[! d] •, æ&@d •{ [\ð* N	Ü æ~•^ T ÛVÚ d •{ [\ð* T ÛVÚ &••ææ }	ÇÈÈ• FHÈÈG ÇÈÈ• GÈÈ	P[^ æ~•^ ÈÈÈÈ	Ù&} æð æ•~ { d }
		F1 &	Y @e]![[! d] } ~ ææ d àæ&Ï ~•^N	ÇÈÈ• FHÈÈG ÇÈÈ• GÈÈ	P[&••ææ } ÈÈÈÈ	Ù&} æð æ•~ { d }	
18	Ö[~ }l•ææc æKQÈ []*]^!•[]• , @ ð æææã à d àæ&Ï ~•^, æ@ •{ [\ð* È^c^ }c æ^ •, æ&@ã d T ÛVÚ ~•^Èã c~ à•^~•^ }d •, æ&@ã àæ&Ï d •{ [\ð* ÈÈ	F1 æ	Y @e]![[! d] } ~ ææ d àæ&Ï ~•^N	Ü{ [\ð* &••ææ }	V{æ•ææ } } [c { [à^ à		

Vaa| ^ CEGEKÜ^ ^ ^æ&@ ~ ^ • ǫ } æ å & | | ^ • [] } åå * dæ • æ } | | : àæååå • { | æ • ^ • • å * @ ^ ʈ ^ & c å [] | } | æ } @ æ @ ^ ^ & c [~ @] | å æ ^ à ^ ^ - æ å dæ • æ } É æ ʈ | } æ å ^ å æ å } q

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
1	Óæ^ &æ^KQ @ • c å } æ } É	Fæ Y @ } å æ • { [\ å * N	Ü { [\ å * å æ } Ö^ • FH Ö^ • Fi EG Ö^ • GH Ö^ • Gi É	FH FE FE EE	Vaa ^ G
2	Óæ^ &æ^KQ [] * • { [\ ^ • É	Gæ Y @ } ~ æ • { [\ å * N	Ü { [\ å * & ^ • æ } Ö^ • FH Ö^ • Fi EG Ö^ • GH Ö^ • Gi É	p [~ å * JE JE FE	Vaa ^ G
3	Óæ^ &æ^KQ [] * { ^ ^ • { [\ ^ • É	Hæ Y @ } - ^ æ • ^ å • { [\ å * N	Ü ^ æ • ^ ~ æ å • { [\ å *	p [^ æ • ^ EE	Ü & } æ å æ • { } }
4	Óæ^ &æ^KQ [] * { ^ ^ • { [\ ^ • É @ ^ æ • ^ å å • { [\ å * É	Iæ Y @ } ~ æ • { [\ å * æ å N	Ü & } å å ^ • { [\ å * & ^ • æ }	Vi æ • æ } } [c [å ^ å	
5	Ó [~] ʈ - æ c æ KQ [] *] ^ • [] • , @ å æ å å ^ å ^ ç å å æ & • ^ • å @ à æ ^ & æ ^ É	Iæ Y @ } å • ʈ æ å å æ T Ü V Ü å @ & ~) ʈ - æ c æ N	Ö å å å } å å æ } Ö^ • FH Ö^ • Fi EG Ö^ • GH Ö^ • Gi É	EE EE EE EE	Ü & } æ å æ • { } }
6	Ó [~] ʈ - æ c æ KQ [] *] ^ • [] • , @ å æ å å • { [\ å * å @ à æ ^ & æ ^ É	Iæ Y @ } å • ʈ æ å å æ T Ü V Ü å @ & ~) ʈ - æ c æ N	Ö ʈ } æ å å å } Ö^ • FH Ö^ • Fi EG Ö^ • GH Ö^ • Gi É	EE EE EE EE	Vaa ^ G
7	Ó [~] ʈ - æ c æ KQ [] *] ^ • [] • , @ å æ å å å å æ & ~ ^ • , æ @ @ T Ü V Ü å @ ^ ç ~ æ ^ & æ * [] É	I å Y @ } • , æ @ å • { [\ å * N	Ö ^ æ å • { [\ å * æ [] * } ^ , T Ü V Ü • ^ • É } ^ ç æ ^ & æ * []	p [• , æ @ * EE	Ü & } æ å æ • { } }
		I & Y @ } æ å • { [\ å * ç É • æ ç å æ ~ ^ å N	Ö æ ~ ^	p [å æ ~ ^ EE	Ü & } æ å æ • { } }
		I å Y @ } ~ æ T Ü V Ü ~ ^ å N	T Ü V Ü & ^ • æ } Ö^ • FH Ö^ • Fi É	p [& ^ • æ } EE	Ü & } æ å æ • { } }
8	Ó [~] ʈ - æ c æ KQ [] *] ^ • [] • , @ å æ å å å å æ & ç ~ ^ • , æ @ @ T Ü V Ü É & ç ~ ^ å T Ü V Ü ~ ^	I å Y @ } • , æ @ å • { [\ å * N	Ö ^ æ å • { [\ å * æ [] * & ç } å *	p [• , æ @ * EE	Ü & } æ å æ • { } }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
15	Fí æ	Y @e]![[! q} •, æ&@q T ÜVU q @ & ~} ð!-æ&ç æ q • ð!æ& [~ ~ æ& * Ñ	œ ^ • FH Ë Ì œ ^ • Fì É	p [•, æ&@ * €€	Ù&^} æ& q æ • ~ { q }
16	Fí æ	Y @e]![[! q} ~ ~ æ& q ð àæ& q ~ • ^ Ñ	Ö q ^! • q } + [{ ~ ~ æ& *	V!æ • æ& q } } [c { [â ^ â	
17	Fí à	Y @e]![[! q} •, æ&@q • { [\ q * Ñ	Ü ^ æ q ^ T ÜVU q • { [\ q *	V!æ • æ& q } } [c { [â ^ â	
18	Fí &	Y @e]![[! q} ~ ~ æ& q ð àæ& q ~ • ^ Ñ	T ÜVU & ^ • • æ& q }	V!æ • æ& q } } [c { [â ^ â	

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] [] [d } 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	Vaa ^ G E
2	Óæ^ &æ^KQ [] * . { [\ ^ . E	Gæ Y @e] [] [d } ~ . a . { [\ a * N	Ü { [\ a * & ^ . . 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] [] [d } - ^ a } . ^ d . { [\ a * N	Ü a } . ^ ~ . a d . { [\ a *	Ö . ^ . F H E G Ö . ^ . G E	b [^ a } . ^ E E E	Ü & } a a } a e . { d }
4	Óæ^ &æ^KQ [] * { ^ . . { [\ ^ . E , @ ^ a } . ^ a d . { [\ a * E	Iæ Y @e] [] [d } ~ . a . { [\ a * a a N	Ü & } a d ^ . { [\ a * & ^ . . a a }		V i a } . a a } } [c { [a ^ a	
5	Ó [~] e i - a e c a } K Q [] *] ^ . [] . , @ ^ { a a } a } ^ c ^ d a a & . ^ . a } a @ a a ^ & a ^ E	Iæ Y @e] [] [d } a } . e a a a } a a T Ü V U a } o @ & ~ } e i - a e c a } N	Ö a 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	Ü & } a a } a e . { d }
6	Ó [~] e i - a e c a } K Q [] *] ^ . [] . , @ a } a a . a . { [\ a * a } o @ a a ^ & a ^ E	Iæ Y @e] [] [d } a } . e a 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	Ü & } a a } a e . { d }
7	Ó [~] e i - a e c a } K Q [] *] ^ . [] . , @ a } a a . a } a a & ~ ^ . , a @ o @ T Ü V U a } o @ ^ a } ~ . a ^ & a *] ^ E	I a Y @e] [] [d } . , 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 a } } [c { [a ^ a		
		I & Y @e] [] [d } a a a . { [\ a * a e e c a ~ a } . ^ d N	Ö ~ a } . ^	V i a } . a a } } [c { [a ^ a		
		I a Y @e] [] [d } ~ . a T Ü V U ~ . ^ N	T Ü V U & ^ . . a a }	V i a } . a a } } [c { [a ^ a		
8	Ó [~] e i - a e c a } K Q [] *] ^ . [] . , @ a } a a . a } a a & ~ ^ . , a @ o @ T Ü V U E & a } ^ a T Ü V U ~ . ^	I a Y @e] [] [d } . , a e @ d . { [\ a * N	Ö a a , a e ^ ~ ^ & c d Ö a e a . { [\ a * a }] * & a } a }	V i a } . a a } } [c { [a ^ a		

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

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @ • ç å ~ ää } É	Fæ Y @æ } ä ää • { \ ä * N	Ü { \ ä * ä äää }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• G É	FHEI FEEÉ FEEÉ EEÉÉ	Vaa ^ GÉ
2	Óæ^ &æ^KQ [] * • { \ ^ • É	Gæ Y @æ } ~ æ • { \ ä * N	Ü { \ ä * & ^ • • äää }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• G É	p [~ äää * JEEÉ JEEÉ FI EEÉ	Vaa ^ GÉ
3	Óæ^ &æ^KQ [] * { \ ^ • { \ ^ • É	Hæ Y @æ } - \ æ • ^ ç • { \ ä * N	Ü \ æ • ^ ~ æ ç • { \ ä *	Ç^• FHEG Ç^• GÉ	p [\ æ • ^ EEÉÉ	Ü& } æä æ • { } }
4	Óæ^ &æ^KQ [] * { \ ^ • { \ ^ • É, @ æ • ^ ç • { \ ä * É	Iæ Y @æ } ~ æ • { \ ä * æ ää N	Ü & } å ä ^ • { \ ä * & ^ • • äää }		Viæ • äää } } [ç [å ^ å	
5	Ó [~] ç - æ ç æ KQ [] *] ^ • [] • , @ ä ää ä å ç ^ ç ä ä ä ä • ^ • ä ç @ àæ^ &æ^É	Iæ Y @æ } ä • ç ää ä äää T Ü V Ü ä ç & ~ } ç - æ ç æ N	Ç å ä äää } æ ä ääää }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• G É	EEÉÉ EEÉÉ EEÉÉ EEÉÉ	Vaa ^ GÉ
6	Ó [~] ç - æ ç æ KQ [] *] ^ • [] • , @ ä ää ä å ç { \ ä * ä ç àæ^ &æ^É	Iæ Y @æ } ä • ç ää ä äää T Ü V Ü ä ç & ~ } ç - æ ç æ N	Ç ç } äää ä ääää }	Ç^• FHEI Ç^• FI EG Ç^• GHEI Ç^• G É	EEÉÉ EEÉÉ EEÉÉ EEÉÉ	Ü& } æä æ • { } }
7	Ó [~] ç - æ ç æ KQ [] *] ^ • [] • , @ ä ää ä å ç àæ&ä ~ ^ •, æ ç ç T Ü V Ü ä ç \ ç ä ~ æ ^ &æ^ [^ É	I à Y @æ } •, æ ç @ ç • { \ ä * N	Óæ^, æ ^ ^ & ç æ [] * ^, T Ü V Ü ~ ^ • É ç ç æ ^ &æ^ [^	Ç^• FHEI Ç^• FI É	p [•, æ ç @ * EEÉÉ	Ü& } æä æ • { } }
		I & Y @æ } æ å • { \ ä * Ç É • ç ç å ~ æ • ^ N	Ö æ ~ ^	Ç^• FHEI Ç^• FI É	p [å ~ æ ~ ^ EEÉÉ	Ü& } æä æ • { } }
		I à Y @æ } ~ æ T Ü V Ü ~ ^ N	T Ü V Ü & ^ • • äää }	Ç^• FHEI Ç^• FI É	p [& ^ • • äää } EEÉÉ	Ü& } æä æ • { } }
8	Ó [~] ç - æ ç æ KQ [] *] ^ • [] • , @ ä ää ä å ç àæ&ä ~ ^ •, æ ç ç T Ü V Ü É & ä ~ å T Ü V Ü ~ ^	I à Y @æ } •, æ ç @ ç • { \ ä * N	Óæ^, æ ^ ^ & ç æ [] * & } ä ~ ä *	Ç^• FHEG Ç^• GÉ	p [•, æ ç @ * EEÉÉ	Ü& } æä æ • { } }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
15	Fí æ	Y @e]![[! q} •, æ&@q T ÛVÚ q @ & ~} ð!-æ&ç æ q • ð!æ& [~ ~ æ& * Ñ	œ ^ • FH Ë Ì œ ^ • Fì É	p [•, æ&@ * €€	Ù&^} æ& q æ • ~ { q }
16	Fí æ	Y @e]![[! q} ~ ~ æ& q ð àæ& q ~ • ^ Ñ	Ö q ^! • q } + [{ ~ ~ æ& *	V! æ • æ& q } } [c { [â ^ â	
17	Fí à	Y @e]![[! q} •, æ&@q • { [\ q * Ñ	Ü ^ æ • ^ T ÛVÚ q • { [\ q *	V! æ • æ& q } } [c { [â ^ â	
18	Fí &	Y @e]![[! q} ~ ~ æ& q ð àæ& q ~ • ^ Ñ	T ÛVÚ & ^ • • æ& q }	V! æ • æ& q } } [c { [â ^ â	
18	Fí æ	Y @e]![[! q} ~ ~ æ& q ð àæ& q ~ • ^ Ñ	Ü { [\ q * & ^ • • æ& q }	V! æ • æ& q } } [c { [â ^ â	

Vaa| ^ CEGKÜ^•^æ&@~^•đ} ð å & ||^•[]] åä * dæ • ää }]|: àæä ää • { | æ • ^ • • ä * c@ ^ d] ^ & c å []] | ää } @ æ c@ ^ ^ & c [~ c@] | ä æ ^ @æ { ~ | d æ • ää } È ä ä ^ • ä } + [{ ~ ää } * q

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @ • c å ^]] ^ ää } È	Fæ Y @æ] [] [d] } ä ää • { [\ ä * Ñ	Ü { [\ ä * ä äää } Ö^ • FHÉÍ Ö^ • FÍ ÈGG Ö^ • GHÉÍ Ö^ • GÍ É	FHÉÍ FÉÈÈ FÉÈÈ ÈÈÈÈ	Vaa ^ GÈ	
2	Óæ^ &æ^KQÈ [] * • { [\ ^! • È	Gæ Y @æ] [] [d] } ~ ä • { [\ ä * Ñ	Ü { [\ ä * & ^ • • äää } Ö^ • FHÉÍ Ö^ • FÍ ÈGG Ö^ • GHÉÍ Ö^ • GÍ É	b [~ äää * JÈÈÈ JÈÈÈ FÍ ÈÈÈ	Vaa ^ GÈ	
3	Óæ^ &æ^KQÈ [] * { { \ ^! • È	Hæ Y @æ] [] [d] } - ^ ää • ^ d • { [\ ä * Ñ	Ü ää • ^ ~ ää • { [\ ä *	Ö^ • FHÈGG Ö^ • GÈÈ	b [^ ää • ^ ÈÈÈÈ	Ü &) äää æ • { d] }
4	Óæ^ &æ^KQÈ [] * { { \ ^! • È, @ ^ ää • ^ d • { [\ ä * È	Iæ Y @æ] [] [d] } ~ ä • { [\ ä * äää Ñ	Ü & } ä ää ^ • { [\ ä * & ^ • • äää }	Vi ää • äää } } [c { [ä ^ ä		
5	Ó [~] ð - ää c ää KQÈ [] *] ^! • [] • , @ ä äää ^ d ä ää & ~ ^! • ä c@ àæ^ &æ^ È	Iæ Y @æ] [] [d] } ä • ää ä äää T Ü V Ü ä c@ & ~] ð - ää c ää Ñ	Ö ä ä ää } ä ä äää } Ö^ • FHÉÍ Ö^ • FÍ ÈGG Ö^ • GHÉÍ Ö^ • GÍ É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Ü &) äää æ • { d] }	
6	Ó [~] ð - ää c ää KQÈ [] *] ^! • [] • , @ ä äää ^ d ä ää & ~ ^! • ä c@ àæ^ &æ^ È	Iæ Y @æ] [] [d] } ä • ää ä äää T Ü V Ü ä c@ & ~] ð - ää c ää Ñ	Ö ^ äää ä ääää } Ö^ • FHÉÍ Ö^ • FÍ ÈGG Ö^ • GHÉÍ Ö^ • GÍ É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Ü &) äää æ • { d] }	
7	Ó [~] ð - ää c ää KQÈ [] *] ^! • [] • , @ ä äää ^ d ä ää & ~ ^! • ä c@ T Ü V Ü ä c@] ^ ää ~ ä ^ &æ^ [] È	I ä Y @æ] [] [d] } •, ää @ d • { [\ ä * Ñ	Ö ää, ä ä ^ ^ & c d Ö ää ^ ä • { [\ ä * ää [] * } ^, T Ü V Ü ~ ^! • È] ^ c ää ^ &æ^ [] È	Vi ää • äää } } [c { [ä ^ ä		
		I & Y @æ] [] [d] } ää ä • { [\ ä * ää È È ää c ää ~ ä ^ Ñ	Ö ~ ää ~ ^	Vi ää • äää } } [c { [ä ^ ä		
		I ä Y @æ] [] [d] } ~ ä T Ü V Ü ~ ^ Ñ	T Ü V Ü & ^ • • äää }	Vi ää • äää } } [c { [ä ^ ä		
8	Ó [~] ð - ää c ää KQÈ [] *] ^! • [] • , @ ä äää ^ d ä ää & ~ ^! • ä c@ T Ü V Ü È &] ä ~ ^ ä T Ü V Ü ~ ^	I ä Y @æ] [] [d] } •, ää @ d • { [\ ä * Ñ	Ö ää, ä ä ^ ^ & c d Ö ää ^ ä • { [\ ä * ää [] * &] ää ~ ää ~ ää }	Vi ää • äää } } [c { [ä ^ ä		

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
15	Ó[~] 0!-æc' aKQ [] *] ^! • [] • , @ ð ããã' 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' ð ð • 0!æ& [~ ~ ãã * Ñ	Öã^! • ð } + [{ ~ ~ ãã *	0E ^ • FHÉI 0E ^ • Fì ÈCG 0E ^ • GHÉI 0E ^ • G ÈHG 0E ^ • HHÉI 0E ^ • H ÈHG 0E ^ • I HÉI 0E ^ • I Ì ÈG 0E ^ • Í HÉI 0E ^ • Í Ì ÈG 0E ^ • Î HÉI 0E ^ • Î Ì É	Þ [•, ã&@ * ì È Fí ÈH FHÉ FÈÈ FGÈ I È I È GÈ Í È FÈ	Væ& ^ GÈH
16	Ó[~] 0!-æc' aKQ [] *] ^! • [] • , @ ð ããã' á ð àæ& [~ ^, ã@ • { [\ ð * ð á ^ c ^ } c' æ ã á á T ÛVÚ ~ ^ GÈ É • æ 0! á á ð ~ ^ È	Fí æ Y @æ] ! [[] [ð] } ~ ãã ð ð àæ& [~ ^ Ñ	Ö^ • • æã } Èæ ð ð àæ& [Vì æ } ãã } } [c { [á ^ á		
17	Ó[~] 0!-æc' aKQ [] *] ^! • [] • , @ ð ããã' á ð àæ& [~ ^, ã@ • { [\ ð * ð á ^ c ^ } c' æ •, ã&@ á ð T ÛVÚ ~ ^ É	Fí à Y @æ] ! [[] [ð] } •, ã&@ ð • { [\ ð * Ñ	Û^ ð • ^ T ÛVÚ ð • { [\ ð *	0E ^ • FHÉGG 0E ^ • GHÉ	Þ [! ^ ð • ^ ÈÈÈ æ • {] ð }	Ù&^ } æã æ • {] ð }
		Fí & Y @æ] ! [[] [ð] } ~ ãã ð ð àæ& [~ ^ Ñ	T ÛVÚ & ^ • • æã }	0E ^ • FHÉGG 0E ^ • GHÉ	Þ [& ^ • • æã } ÈÈÈ æ • {] ð }	Ù&^ } æã æ • {] ð }
18	Ó[~] 0!-æc' aKQ [] *] ^! • [] • , @ ð ããã' á ð àæ& [~ ^, ã@ • { [\ ð * È^ c ^ } c' æ •, ã&@ á ð T ÛVÚ ~ ^ Èá c ~ à • ^ ~ ^ } ð •, ã&@ á ð àæ& ð • { [\ ð * È	Fí æ Y @æ] ! [[] [ð] } ~ ãã ð ð àæ& [~ ^ Ñ	Û { [\ ð * & ^ • • æã }	Vì æ } ãã } } [c { [á ^ á		

Vaa| ^ CEG GKÜ^ ^æ&@ ^ ^•ü } æ å & | | ^• [] åå * dæ • ää } | | àæåäåå • - | æ • ^ • • å * @ ^ ^ & c [~ c @] | ä æ ^ @æ (~ | dæ • ää } É
 äå * ä } - | { ~ ää * ä V @ ^ ^ & c [~ æ | Ä | ^ c |) ä • { [\ å * æ [] * àæ ^ æ ^ • { [\ å * ~ äå • , @ • , ä&@ å ä Öæ | | ÜPÜÜ ^ • å ä @ æ ~ } | ^ æ c æ • &) æ ä ä ^ | ä • ä ä
 ä ç ^ ä ä ä

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
1	Óæ ^ &æ ^ KQ @ • c å ^ [] ää } É	Fæ Y @æ [] ä } ä äæ • { [\ å * N	Ü { [\ å * ä äää } Ö ^ • FHÉ Ö ^ • F ÉG Ö ^ • G-É Ö ^ • G É	FHÉ FÉÉÉ FÉÉÉ ÉÉÉÉ	Vaa ^ GÉ
2	Óæ ^ &æ ^ KQ [] * • { [\ ^ • É	Gæ Y @æ [] ä } ~ ä • { [\ å * N	Ü { [\ å * & ^ • ää } Ö ^ • FHÉ Ö ^ • F ÉG Ö ^ • G-É Ö ^ • G É ÉG Ö ^ • H-É Ö ^ • H É G Ö ^ • H É Ö ^ • É G Ö ^ • H É Ö ^ • É G Ö ^ • H É Ö ^ • É	b [~ ää * ÉÉ ÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ FHÉÉ	Vaa ^ GÉ É • &) æ ä æ • { ä } FHÉÉ
3	Óæ ^ &æ ^ KQ [] * • { [\ ^ • É	Hæ Y @æ [] ä } - ä æ ^ å ä • { [\ å * N	Ü ä æ ^ • ^ ~ ä ä • { [\ å * Ö ^ • FHÉG Ö ^ • GÉ	b [ä æ ^ • ÉÉÉÉ	Ü&) æ ä æ • { ä }
4	Óæ ^ &æ ^ KQ [] * • { [\ ^ • É, @ ä æ ^ å ä ä • { [\ å * É	Iæ Y @æ [] ä } ~ ä • { [\ å * æ ää N	Ü & } å ä ^ • { [\ å * & ^ • ää } V ä æ • ää } } c [ä ^ å		
5	Ó [~] ^ æ c æ ä KQ [] *] ^ • [] • , @ ^ { ää ^ å } ^ ç ä ä ä ä ^ • ^ • å c @ àæ ^ &æ ^ É	Iæ Y @æ [] ä } ä • ä ä ä ä ää T ÜVÜ ä c @ & ~ } ^ æ c æ ä N	Ö ä ä ää } æ ä äää } Ö ^ • FHÉ Ö ^ • F ÉG Ö ^ • G-É Ö ^ • G É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Ü&) æ ä æ • { ä }
6	Ó [~] ^ æ c æ ä KQ [] *] ^ • [] • , @ ä ää ä å • { [\ å * ä c @ àæ ^ &æ ^ É	Iæ Y @æ [] ä } ä • ä ä ä ä ää T ÜVÜ ä c @ & ~ } ^ æ c æ ä N	Ö ä } ää ^ ä äää } Ö ^ • FHÉ Ö ^ • F ÉG Ö ^ • G-É Ö ^ • G É	ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ ÉÉÉÉ	Ü&) æ ä æ • { ä }
7	Ó [~] ^ æ c æ ä KQ [] *] ^ • [] • , @ ä ää ä å ä ä ä ~ ^ , ä @ c @ T ÜVÜ ä c @] ä ç ~ ^ æ ^ &æ ^ ^ É	Iä Y @æ [] ä } • , ä&@ ä • { [\ å * N	Ö ä ^ , æ ^ ^ & c @ Ö ^ æ ^ å • { [\ å * æ [] * } ^ , T ÜVÜ ~ ^ • É ^ ç æ ^ &æ ^ ^	V ä æ • ää } } c [ä ^ å	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source				
14	Fl à	Y @e]![[! q] } ð•lææ •, æ&@q TUVU ð @ &~ } l-æc' æN	Ù, æ&@ *	œ^• FHÉI œ^• Fì É	p[•, æ&@ * €€€	Ù& } æð æ• { q }			
	Fl &	Y @e]![[! q] } ð•lææ æá TUVU qEÈ•æcá' æ•^D ð @ &~ } l-æc' æN	Ö' æ'•^	œ^• FHÉI œ^• Fì É	p[á' æ'•^ €€€	Ù& } æð æ• { q }			
15	Fl æ	Y @e]![[! q] } •, æ&@q TUVU ð @ &~ } l-æc' æ ð•lææ [~ ~ æð *N	Öæ^• ð } +{ ~ ~ æð *	œ^• FHÉI œ^• Fì ÉGG œ^• G-HÉ œ^• G ÈG œ^• H-HÉ œ^• H ÈG œ^• I-HÉ œ^• I ÈG œ^• Í-HÉ œ^• Í ÈG œ^• Î-HÉ œ^• Î ÈG	p[•, æ&@ * È ì 白 î È í È î È HÈ GÈ FÈ GÈ FÈG ÈÈ	Væ&^ ÇÈÈ •& } æð æ• { q }			
			16	Fl æ	Y @e]![[! q] } ~ ~ ææ ð àæ& [~•^N	Ö^••ææ } Èæ ð àæ& [Vìæ •æð } } [c [á^á		
			17	Fl à	Y @e]![[! q] } •, æ&@q •{ [\ ð *N	Ü^ æ •^ TUVU ð •{ [\ ð *	œ^• FHÉGG œ^• G-HÉ	p[^ æ •^ €€€	Ù& } æð æ• { q }
				Fl &	Y @e]![[! q] } ~ ~ ææ ð àæ& [~•^N	TUVU &^•ææ }	œ^• FHÉGG œ^• G-HÉ	p[&^•ææ } €€€	Ù& } æð æ• { q }
			18	Fl æ	Y @e]![[! q] } ~ ~ ææ ð àæ& [~•^N	Ü{ [\ ð * &^•ææ }	Vìæ •æð } } [c [á^á		

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&~•^, ã@ •{ [\ð* á^c~ ã•{ [\ð* ð c@ àæ^ &æ^É	Fí æ Y @e}:[][d]} •, ã&@ð T ÛVÚ ð c@ &~} l~ææc æ ð•lææ [~~ ãæ*Ñ	Öæ^• ð } +{ ~ ãæ*	CE^• FHÆI CE^• FÌ É	P[•, ã&@* €€	U&^} æð æ• { d}
16	Ó[~} l~ææc æKQÆ []*]^• []• , @ ð ãææ^á d àææ&~•^, ã@ •{ [\ð* æ á^c^} c æ^ æá^á T ÛVÚ~•^ GÆÉ•æcá á~ æ ~•^É	Fí æ Y @e}:[][d]} ~ ãæð d àææ&~•^Ñ	Ö^••ææ } Éæð d àææ&	V{æ•æð } }[c{ [á^á		
17	Ó[~} l~ææc æKQÆ []*]^• []• , @ ð ãææ^á d àææ&~•^, ã@ •{ [\ð* æ á^c^} c æ^ •, ã&@á d T ÛVÚ~•^É	Fí à Y @e}:[][d]} •, ã&@ð •{ [\ð*Ñ	Ü^ æ~•^ T ÛVÚ d •{ [\ð*	V{æ•æð } }[c{ [á^á		
		Fí & Y @e}:[][d]} ~ ãæð d àææ&~•^Ñ	T ÛVÚ &^••ææ }	V{æ•æð } }[c{ [á^á		
18	Ó[~} l~ææc æKQÆ []*]^• []• , @ ð ãææ^á d àææ&~•^, ã@ •{ [\ð* É^c^} c æ^ •, ã&@á d T ÛVÚ~•^Éá^c~ á^~•^} d^ •, ã&@á àææ d •{ [\ð*É	Fí æ Y @e}:[][d]} ~ ãæð d àææ&~•^Ñ	Ü{ [\ð* &^••ææ }	V{æ•æð } }[c{ [á^á		

Vaa| ^ CEGFI KÜ^•^æ&@~^•ç} æ å & ||^•[]] ää * dæ • ää }] | àæä ää • | æ •^••ä * @ ^ç|^&cå []] | ää } @ æ@^~&c[-c@] |ä æ^ à^)^ ää dæ • ää } É æç!) ää^ ä äää } É&{ àä^à , ä@c@ •^& } åæ^ @æ{ ~| dæ • ää } Éä^|æ^å •{ [\ä *q

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @ •c å^][]^ ää } É	Fæ Y @æ]![] ç} ä ääæ •{ [\ä *Ñ	Ü{ [\ä * ä äää }	0E^• FHÉÍ 0E^• FÍ ÈGG 0E^• GHÉÛ 0E^• GÍ É	FHÉÍ FÉÈÈ FÉÈÈ ÈÈÈÈ	Vaa ^ GÉ
2	Óæ^ &æ^KQÉ [] * •{ [\ä^•É	Gæ Y @æ]![] ç} ~ ä •{ [\ä *Ñ	Ü{ [\ä * &^••ää }	0E^• FHÉÍ 0E^• FÍ ÈGG 0E^• GHÉÛ 0E^• GÍ É	p[~ ää * JÈÈÈ JÈÈÈ FÍ ÈÈÈ	Vaa ^ GÉ
3	Óæ^ &æ^KQÉ [] * { { \ä^ •{ [\ä^•É	Hæ Y @æ]![] ç} - ^ æ •^ ç •{ [\ä *Ñ	Ü ^ æ •^ ~ ä ç •{ [\ä *	0E^• FHÈGG 0E^• GÉ	p[^ æ •^ ÈÈÈÈ	Ü& } ää æ • { ç }
4	Óæ^ &æ^KQÉ [] * { { \ä^ •{ [\ä^•É @ ^ æ •^ ç •{ [\ä *É	Iæ Y @æ]![] ç} ~ ä •{ [\ä * æ ääÑ	Ü^& } ä ç ^ •{ [\ä * &^••ää }		Viæ • ää }] ç { ä^ ^ä	
5	Ó[~] ç-æç äKQÉ [] *]^•{ } • @ ^ æ^å ç^ç ç äæ&ç ~^• ä @ àæ^ &æ^É	Iæ Y @æ]![] ç} ä • ç ää ä ääæ T ÜVÜ ä @ &~] ç-æç äÑ	Üä äää } ä ä äää }	0E^• FHÉÍ 0E^• FÍ ÈGG 0E^• GHÉÛ 0E^• GÍ É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Ü& } ää æ • { ç }
6	Ó[~] ç-æç äKQÉ [] *]^•{ } • @ ä ääæ^å •{ [\ä * ä @ àæ^ &æ^É	Iæ Y @æ]![] ç} ä • ç ää ä ääæ T ÜVÜ ä @ &~] ç-æç äÑ	Üç ^ æ^ ä ääää }	0E^• FHÉÍ 0E^• FÍ ÈGG 0E^• GHÉÛ 0E^• GÍ É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Ü& } ää æ • { ç }
7	Ó[~] ç-æç äKQÉ [] *]^•{ } • @ ä ääæ^å ç äæ&ç ~^• ä @ T ÜVÜ ä @ ^ çä ~^• æ^ &æ^]^É	Iä Y @æ]![] ç} •, ä&@ç •{ [\ä *Ñ	Ü ^ æ^å •{ [\ä * æ [] * } ^, T ÜVÜ ~^• ^•É]^çæ^ &æ^]^	0E^• FHÉÍ 0E^• FÍ ÈGG 0E^• GHÉÛ 0E^• GÍ ÈHG 0E^• HÉ	p[•, ä&@ * Í ÈÈÈÈ Í ÈÈÈÈ Í ÈÈÈÈ ÈÈÈÈ	Ü& } ää æ • { ç }
		I& Y @æ]![] ç} ääå •{ [\ä * ç È•æçä~ æ ~^•^Ñ	Ü~ æ ~^•	0E^• FHÉÍ 0E^• FÍ È	p[ä~ æ ~^• ÈÈÈÈ	Ü& } ää æ • { ç }
		Iä Y @æ]![] ç} ~ ä T ÜVÜ ~^•^Ñ	T ÜVÜ &^••ää }	0E^• FHÉÍ 0E^• FÍ È	p[&^••ää } ÈÈÈÈ	Ü& } ää æ • { ç }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source
	F1 &	Y @& : [] [] } ð•&ð&ð T ÛVÙ &ðÉ•ð&cá~ ð•^D Õ~ ð•^&	CE^• FHEF CE^• FÌ É	P[á~ ð•^& €€€	U&^} ð&ð æ• { [] }
15	F1 æ	Y @& : [] [] } •, ð&@ð T ÛVÙ ð @ &~ } &ð&ð ð ð&ð [~ ~ ð&ð * Ñ	CE^• FHEF CE^• FÌ É	P[•, ð&@ð * €€	U&^} ð&ð æ• { [] }
16	F1 æ	Y @& : [] [] } ~ ð&ð ð à&ð&~ •^Ñ		V{ ð&ð } }[c{ [â^ ^â	
17	F1 à	Y @& : [] [] } •, ð&@ð •{ [\ ð * Ñ		V{ ð&ð } }[c{ [â^ ^â	
	F1 &	Y @& : [] [] } ~ ð&ð ð à&ð&~ •^Ñ		V{ ð&ð } }[c{ [â^ ^â	
18	F1 æ	Y @& : [] [] } ~ ð&ð ð à&ð&~ •^Ñ		V{ ð&ð } }[c{ [â^ ^â	

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source		
			<p>CE^• í Ĩ Ĩ G</p> <p>CE^• í Ĩ Ĩ Ĩ</p> <p>CE^• í Ĩ É</p>	<p>FĨ</p> <p>FĨ</p> <p>FĨ</p>			
	FI &	Y @: [[[] } ð••••• T UVU (E•••••) Ö•••••	CE^• FĨĨ CE^• FĨ É	P[ã••••• €€€	Ú& } ã••••• ••••• {] }		
15	Ó[•]••••• [] *] ^• [] • • @ ð ã••••• ã ð àã& [••••• , ã@ • { [\ ð * ã••••• { [\ ð * ð @ àã^ &ã^É	FĨ ã	Y @: [[[] } • ã&@ ð T UVU ð @ & [••••• } ð••••• [~••••• * Ñ	Öã^••••• } + { ••••• }	CE^• FĨĨ CE^• FĨ É	P[• , ã&@ * €€	Ú& } ã••••• ••••• {] }
16	Ó[•]••••• [] *] ^• [] • • @ ð ã••••• ã ð àã& [••••• , ã@ • { [\ ð * ã••••• } ã••••• T UVU ••••• (E•••••) ã••••• •••••É	FĨ ã	Y @: [[[] } ••••• ð àã& [•••••	Ö••••• } Éã ð àã& [V[ã••••• } } [c [ã^ã		
17	Ó[•]••••• [] *] ^• [] • • @ ð ã••••• ã ð àã& [••••• , ã@ • { [\ ð * ã••••• } ã••••• • , ã&@ ã ð T UVU •••••É	FĨ ã	Y @: [[[] } • , ã&@ ð • { [\ ð * Ñ	Ü^ã••••• T UVU ð • { [\ ð * }	CE^• FĨĨG CE^• GÉ	P[^ã••••• €€€	Ú& } ã••••• ••••• {] }
		FĨ &	Y @: [[[] } ••••• ð àã& [•••••	T UVU &••••• }	CE^• FĨĨG CE^• GÉ	P[&••••• } €€€	Ú& } ã••••• ••••• {] }
18	Ó[•]••••• [] *] ^• [] • • @ ð ã••••• ã ð àã& [••••• , ã@ • { [\ ð * Éã^ } ã••••• • ã&@ ã ð T UVU ••••• Éã••••• ã••••• } ð • , ã&@ ã ð àã& [••••• } ã••••• É	FĨ ã	Y @: [[[] } ••••• ð àã& [•••••	Ü{ [\ ð * &••••• }	V[ã••••• } } [c [ã^ã		

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

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

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
8	Ó[~]ಲಿ-ಒಡೆಂ ಪುಕೋ [] *] ^!•[]• , @ ಫಿ ಪುಕೋ ಅ ದ à ಪುಕೋ ~•^, ಪು@ @ T ÛVÙÉ} ಡ ~^à T ÛVÙ ~•^ ಪು à } ^ ಪು@!•, ಪು@ à ದ • { [\ ಫಿ *] [! ~ ಪುಕೋ ದ à ಪುಕೋ ~•^	ì à Y @: [] [! ಡ] •, ಪು@ ದ • { [\ ಫಿ * Ñ	Óಪ, ಪ ~^&c ಪ [] * & } ಡ ~ ಫಿ * T ÛVÙ ~•^!•Éಪ ಪ ~^ & ಪ * [! à•	CE^• FHÉG CE^• GHÉ	P[•, ಪು@ * €€€	Ù&} ಪು ಪ • { [ಡ]
	ì & Y @: [] [! ಡ] ಪು à • { [\ ಫಿ * ಫಿ É• ಪು à ~ ಪ • ^ Ñ	Ö ಪ ~•^	CE^• FHÉG CE^• GHÉ	P[à ~ ಪ ~•^ €€€	Ù&} ಪು ಪ • { [ಡ]	
	ì à Y @: [] [! ಡ] ~ ಪು T ÛVÙ ~•^ Ñ	T ÛVÙ &•• ಪು }	CE^• FHÉG CE^• GHÉ	P[&•• ಪು } €€€	Ù&} ಪು ಪ • { [ಡ]	
9	Ó[~]ಲಿ-ಒಡೆಂ ಪುಕೋ [] *] ^!•[]• , @ ಫಿ ಪುಕೋ ಅ ದ à ಪುಕೋ ~•^, ಪು@ @ T ÛVÙ ಪು à ^ç^} ಡ ಪು •, ಪು@ à ದ • { [\ ಫಿ *	Jà Y @: [] [! ಡ] •, ಪು@ à ಪು ದ T ÛVÙ Ñ	Ù^ç! } • { [\ ಫಿ * ದ T ÛVÙ ~•^	V[ಪ • ಪು } } [c { [à ^ à		
	J& Y @: [] [! ಡ] ~ ಪುಕೋ ದ à ಪುಕೋ ~•^ Ñ	Ù { [\ ಫಿ * &•• ಪು }	V[ಪ • ಪು } } [c { [à ^ à			
10	Ó[~]ಲಿ-ಒಡೆಂ ಪುಕೋ [] *] ^!•[]• , @ ಫಿ ಪುಕೋ ಅ ದ à ಪುಕೋ ~•^, ಪು@ @ T ÛVÙÉç^} ಡ ಪು •, ಪು@ à ದ • { [\ ಫಿ * ಪು à • ^ ~•^ } ದ •, ಪು@ à ಪು ದ @ T ÛVÙÉ	F€æ Y @: [] [! ಡ] ~ ಪುಕೋ ದ à ಪುಕೋ ~•^ Ñ	T ÛVÙ &•• ಪು }	V[ಪ • ಪು } } [c { [à ^ à		
11	Ó[~]ಲಿ-ಒಡೆಂ ಪುಕೋ [] *] ^!•[]• , @ ಫಿ ಪುಕೋ ಅ ದ à ಪುಕೋ ~•^, ಪು@ @ T ÛVÙ ಪು à ^ç^} ಡ ಪು ಪು à • { [\ ಫಿ * ಫಿ É• ಪು à ~ ಪ • ^ Ñ	FFæ Y @: [] [! ಡ] ~ ಪುಕೋ ದ à ಪುಕೋ ~•^ Ñ	Ö•• ಪು } Éಪ ದ à ಪುಕೋ	V[ಪ • ಪು } } [c { [à ^ à		
12	Ó[~]ಲಿ-ಒಡೆಂ ಪುಕೋ [] *] ^!•[]• , @ ಫಿ ಪುಕೋ ಅ ದ à ಪುಕೋ ~•^, ಪು@ @ T ÛVÙ à ~ ç^} ಡ ಪು ~ ಪು T ÛVÙ ~•^É	FGæ Y @: [] [! ಡ] ! ಪು •^ ದ T ÛVÙ ~•^ Ñ	Ù^ ಪು • ^É ~ ಪು ದ T ÛVÙ	V[ಪ • ಪು } } [c { [à ^ à		
13	Ó[~]ಲಿ-ಒಡೆಂ ಪುಕೋ [] *] ^!•[]• , @ ಫಿ ಪುಕೋ ಅ ದ à ಪುಕೋ ~•^, ಪು@ @ T ÛVÙÉç^} ಡ ಪು ~ ಪು T ÛVÙ ~•^ à ~ ç^} ದ !• ಪು à T ÛVÙ ~•^É	FHæ Y @: [] [! ಡ] ~ ಪು T ÛVÙ ~•^ Ñ	T ÛVÙ &•• ಪು }	V[ಪ • ಪು } } [c { [à ^ à		
14	Ó[~]ಲಿ-ಒಡೆಂ ಪುಕೋ [] *] ^!•[]• , @ ಫಿ ಪುಕೋ ಅ ದ à ಪುಕೋ ~•^, ಪು@	Fl à Y @: [] [! ಡ] ಫಿ • ಲ ಪು •, ಪು@ ದ T ÛVÙ ಫಿ @ & ~ } ಲಿ-ಒಡೆಂ ಪು	Ù, ಪು@ *	CE^• FHÉ	P[•, ಪು@ *	

Vaa| ^ CEGE| KÜ^•^æ&@~^•ç} æ å & | | ^• [] } åå * dæ•æ }] | àæåå • | à^ç | { åå * ç @ æ } å *] [åç | æ å å ç , æ&@ * 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] ^æå } È	Fæ Y @æ ç } å åå • { \ å * Ñ	Ü { \ å * å ååå }	Ç^• FHEI Ç^• Fi ECG Ç^• GHEG Ç^• Gi É	FHEI FEIE FEIE EIE	Vaa ^ GÈ
2	Óæ^ &æ^KQ [] * • { \ ^• È	Gæ Y @æ ç } ~ æ • { \ å * Ñ	Ü { \ å * &^••æå }	Ç^• FHEI Ç^• Fi ECG Ç^• GHEG Ç^• Gi É	b [~ åå * JIE JIE FI IE	Vaa ^ GÈ
3	Óæ^ &æ^KQ [] * ç ^ • { \ ^• È	Hæ Y @æ ç } - ^ ç • ^ ç • { \ å * Ñ	Ü ^ ç • ^ ~ æ ç • { \ å *	Ç^• FHECG Ç^• GE	b [^ ç • ^ EIE	Ü& } æå æ • { ç }
4	Óæ^ &æ^KQ [] * ç ^ • { \ ^• È @ ^ ç • ^ å ç • { \ å * È	Iæ Y @æ ç } ~ æ • { \ å * æ åå Ñ	Ü & } å ç ^ • { \ å * &^••æå }		Viæ • åå } } [ç [å^å	
5	Ó [~] ç - æ ç æåKQ [] *] ^• [] • ç ^ ç åå^å ^ç^ ç åå&ç • ^• å ç @ àæ^ &æ^È	Iæ Y @æ ç } å • ç åå å åå TUVU å ç & ~] ç - æ ç æå	Çåååå } æ å ååå }	Ç^• FHEI Ç^• Fi ECG Ç^• GHEG Ç^• Gi É	HIE HIE HIE EIE	Vaa ^ GÈL •& } æå æ • { ç }
6	Ó [~] ç - æ ç æåKQ [] *] ^• [] • ç å ååå^å • { \ å * å ç @ àæ^ &æ^È	Iæ Y @æ ç } å • ç åå å åå TUVU å ç & ~] ç - æ ç æå	Çç ^ æåå^ å ååå }	Ç^• FHEI Ç^• Fi ECG Ç^• GHEG Ç^• Gi É	EIE EIE EIE EIE	Ü& } æå æ • { ç }
7	Ó [~] ç - æ ç æåKQ [] *] ^• [] • ç å ååå^å ç àæ&ç ~^• , æ@ ç TUVU å ç ^ ç ~^• æ^ &æ^ È	Ià Y @æ ç } • , æ&@ç • { \ å * Ñ	Óæ^ , æ ^-^&c æ [] * ^ , TUVU ~^•^•È ^çç^ &æ^ È	Ç^• FHEI Ç^• Fi ECG Ç^• GHEG Ç^• Gi É Ç^• HE	b [• , æ&@ * í EIE í EIE í EIE EIE	Ü& } æå æ • { ç }
		I& Y @æ ç } ååå • { \ å * ÇÈæçå^ æ ~^•^Ñ	Ö ç ~^•	Ç^• FHEI Ç^• Fi É	b [å^ ç ~^• EIE	Ü& } æå æ • { ç }

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
	Ì á	Y @æ]![[[!] } ~ ãTÚVÚ ~•^Ñ	Œ^• FĤĤ Œ^• FĤÉ	Þ[&^•æñ } €€€	Ú& } æñ æ• {] }	
8	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ á ð àæ& [~•^, ã@ œ TÚVÚÉ& } ð ~^ á TÚVÚ ~•^ æ á } ^ã@! •, ã&@ á ð • { [\ ð *] [! ~ ãæ ð àæ& [~•^	Ì á	Y @æ]![[[!] } •, ã&@ ð • { [\ ð * Ñ	Œ^• FĤĤG Œ^• GĤÉ	Þ[•, ã&@ * €€€	Ú& } æñ æ• {] }
	Ì &	Y @æ]![[[!] } æá • { [\ ð * Ñ È•æçá ð ~•^Ñ	Œ^• FĤĤG Œ^• GĤÉ	Þ[á ð ~•^ €€€	Ú& } æñ æ• {] }	
	Ì á	Y @æ]![[[!] } ~ ãTÚVÚ ~•^Ñ	Œ^• FĤĤG Œ^• GĤÉ	Þ[&^•æñ } €€€	Ú& } æñ æ• {] }	
9	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ á ð àæ& [~•^, ã@ œ TÚVÚ æ á ^ç^ } ç æ •, ã&@ á ð • { [\ ð *	Já	Y @æ]![[[!] } •, ã&@ àæ& ð TÚVÚÑ	Œ^• FĤĤG Œ^• GĤÉ	Þ[!^ç! } €€€	Ú& } æñ æ• {] }
	J&	Y @æ]![[[!] } ~ ãæ ð àæ& [~•^Ñ	Œ^• FĤĤG Œ^• GĤĤ Œ^• GĤÉ	Þ[~ ãæ * JĤ€ FĤ€€	Væ& çĤ	
10	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ á ð àæ& [~•^, ã@ œ TÚVÚÉ^ç^ } ç æ, ã&@ á ð • { [\ ð * æ á • à^~^ } ð •, ã&@ á àæ& ð œ TÚVÚÉ	Fæ	Y @æ]![[[!] } ~ ãæ ð àæ& [~•^Ñ	TÚVÚ &^•æñ }	V[æ] • æñ } }[ç{ [á^ ^á	
11	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ á ð àæ& [~•^, ã@ œ TÚVÚ æ á ^ç^ } ç æ æá^ á • { [\ ð * Ñ È•æçá á ð ~•^Ñ	FFæ	Y @æ]![[[!] } ~ ãæ ð àæ& [~•^Ñ	Œ^•æñ } Èæ ð àæ& [V[æ] • æñ } }[ç{ [á^ ^á	
12	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ á ð àæ& [~•^, ã@ œ TÚVÚ à^ç^ } ç æ ~ ã TÚVÚ ~•^É	FGæ	Y @æ]![[[!] } !^æ^ ð TÚVÚ ~•^Ñ	Œ^ ^æ^•É ~ ãð TÚVÚ	V[æ] • æñ } }[ç{ [á^ ^á	
13	Ó[~ } ò!-æçç æKŒ [] *] ^!• [] • , @ ð ãææ^ á ð àæ& [~•^, ã@ œ TÚVÚÉ^ç^ } ç æ ~ ã	FĤæ	Y @æ]![[[!] } ~ ãTÚVÚ ~•^Ñ	TÚVÚ &^•æñ }	V[æ] • æñ } }[ç{ [á^ ^á	

Vaa| ^ CEEI KÜ^•^æ&@~^•ç} æ å & ||^•] [] åä * dæ•æ }] | àæäæä • { | à^ç| { ä ä * @ æ] ä *] [ä ç|æ^å ä ç , æ&@ * çç^•• æ ^çç^ (^•&^) æä { | @] | ä æ^ @ { ~ | dæ•æ } È ä ç^• ä } + [{ ~ ä ç * ç

Question	Sub-question	Transition	Age category	DPM(+1) transition probability (%)	Source	
1	Óæ^ &æ^KQ @•ç å] [] ~ æä } È	Fæ Y @æ] [] [ç] ä äæ^• { [\ ä * Ñ	Ü { [\ ä * ä äæä }	Ç^• FHEÍ Ç^• FÍ ÈGG Ç^• GHEÍ Ç^• G É	FHEÍ FÈÈÈ FÈÈÈ ÈÈÈÈ	Vaa ^ ÇÈ
2	Óæ^ &æ^KQ [] * • { [\ ^•È	Gæ Y @æ] [] [ç] ~ ä • { [\ ä * Ñ	Ü { [\ ä * &^••æä }	Ç^• FHEÍ Ç^• FÍ ÈGG Ç^• GHEÍ Ç^• G É	b [~ ä ç * JÈÈÈ JÈÈÈ FÍ ÈÈÈ	Vaa ^ ÇÈ
3	Óæ^ &æ^KQ [] * { { \ ^ • { [\ ^•È	Hæ Y @æ] [] [ç] - ^æ^•^ ç • { [\ ä * Ñ	Ü ^æ^•^ ~ ä ç • { [\ ä *	Ç^• FHEGG Ç^• GÈÈ	b [^æ^•^ ÈÈÈÈ	Ü&^ æä æ• { ç }
4	Óæ^ &æ^KQ [] * { { \ ^ • { [\ ^•È @ ^æ^•^ ç • { [\ ä * È	Iæ Y @æ] [] [ç] ~ ä • { [\ ä * ææä Ñ	Ü& ^æ^•^ • { [\ ä * &^••æä }		Viæ•æä } } [ç [à^ ^à	
5	Ó [~] ç æç çäKQ [] *] ^• [] • , @ ^ { æä^å } ^ç^ ç äæ&ç • ^• ä ç @ àæ^ &æ^È	Iæ Y @æ] [] [ç] ä • çæä ä äæ^ T ÜVÜ ä ç & ~) ç æç çä Ñ	Üä ää } ä ä äæä }	Ç^• FHEÍ Ç^• FÍ ÈGG Ç^• GHEÍ Ç^• G É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Ü&^ æä æ• { ç }
6	Ó [~] ç æç çäKQ [] *] ^• [] • , @ ä äæ^å • { [\ ä * ä ç @ àæ^ &æ^È	Iæ Y @æ] [] [ç] ä • çæä ä äæ^ T ÜVÜ ä ç & ~) ç æç çä Ñ	Üç ^æ^•^ ä äæä }	Ç^• FHEÍ Ç^• FÍ ÈGG Ç^• GHEÍ Ç^• G É	ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ ÈÈÈÈ	Ü&^ æä æ• { ç }
7	Ó [~] ç æç çäKQ [] *] ^• [] • , @ ä äæ^å ç äæ&ç ~ ^• , æ@ ç T ÜVÜ ä ç ^ çä ~ æ^ &æ^ [È	I à Y @æ] [] [ç] • , æ&@ç • { [\ ä * Ñ	Üæ^, æ ^-^&cD Ü ^æ^•^ • { [\ ä * æä] * } ^, T ÜVÜ ~ ^• [] È ^çç^ &æ^ [È		Viæ•æä } } [ç [à^ ^à	
		I & Y @æ] [] [ç] æä • { [\ ä * çÈÈæçä~ æ~•^ Ñ	Ü~ æ~•^		Viæ•æä } } [ç [à^ ^à	
		I à Y @æ] [] [ç] ~ ä T ÜVÜ ~ ^ Ñ	T ÜVÜ &^••æä }		Viæ•æä } } [ç [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* [!â•	V{æ •æd } }[c{ [â^â	
	i &	Y @e}![[! d]} æâ •{ [\d* ÖÈ•æcâ~ æ ~^•^D	Ö~ æ ~^•^	V{æ •æd } }[c{ [â^â	
	i â	Y @e}![[! d]} ~~ æTÛVÛ ~^•^Ñ	T ÛVÛ &^••æd }	V{æ •æd } }[c{ [â^â	
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¹ Øæ^à [] à æ@ ð à] ^ • [] È^æ• † [{ Væb̂^ Ôi F H È H È J È M G F I È] ^† FEEÈÈÈÈ H G È È È È È È M F G È] ^† FEEÈÈÈÈ H È È È È È È M È F I È] ^† FEEÈÈÈÈ
² SÚ æ^ &æ* [|^ H È J [ç^ | æ•, æ@WÚ æ^ &æ* [|^ G È | ð à I È | L, ^ ~ • ^à @, ^æ @ ã æ^ | æ^ [-WÚ { [|ĉâ |æ• G J È ð à J G È, æ@, ^æ @] [] [|ĉâ] ð ð @ Ø ^ [-ç^ | æ• F È G J È È I J G È È F I M I È È
³ SÚ &æ* [|^ I È È | à [^ •] [ç ð & ~ à^ æ^ • I È È È, @ | ^ { [|ĉâ |æ• æ^ |, ^ | L, ^ ð & ^ æ^à @ WÚ { [|ĉâ |æ• [-924.5 by ≈20%.
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I H È J	<p>Þ^ç^ Ô ~ ^ } c Ô ~ ^ } c Ô ~ ^ } c Ô ~ ^ } c</p>	<p>È FÈ€ FFÈJ^{aa} GÈGJ^à HÈHU^à</p>	<p>GGÈ È È I È FÈ Ì È FÈ È</p>	<p>GGÈG È I È FÌ È È</p>
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Ï È	<p>Þ^ç^ Ô ~ ^ } c Ô ~ ^ } c</p>	<p>È FÈ€ FFÈJ^è GÈGJ[@] HÈHU[@] I €É</p>	<p>FGÈ Í È È FEÈÈÈ È HÌ ÈÈ Ì HÈÈ</p>	<p>GJÈÈ È HÈÈ È FEÈÈÈ HÈÈÈ</p>

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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 MRTP 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 $100,000 \times 0.08 \times 0.25 = 2,000$ MRTP 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 MRTP 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 685,318 survivors in the counterfactual scenario at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 684,262 (a difference of 1,056 survivors). Consequently, 50% 'relapse' decreased the survival benefit of the 'master model' from 6,824 to 5,768 additional survivors ([Table C3](#)).

For an ERR of 0.11, there were 684,812 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 683,804 (a difference of 1,008 survivors). Consequently, 50% 'relapse' decreased the survival benefit of the 'master model' from 6,318 to 5,310 additional survivors ([Table C3](#)).

For the 'master model' without 'alternative initiation' (no relapse), for an ERR of 0.08, there were 685,297 survivors in the counterfactual scenario at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 684,233 (a difference of 1,064 survivors). Consequently, 50% 'relapse' decreased the survival benefit of the 'master model' from 6,803 to 5,739 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 684,796 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 683,781 (a difference of 1,015 survivors). Consequently, 50% 'relapse' decreased the survival benefit of the 'master model' without 'alternative initiation' from 6,302 to 5,287 ([Table C4](#)).

For the model including only 'diversion from quitting' (no 'relapse'), for an ERR of 0.08, there were 678,160 survivors in the counterfactual scenario at the end of age category 68-72 years. After incorporating 50% 'relapse', the number of survivors decreased to 676,857 (a difference of 1,303 survivors). Consequently, 50% 'relapse' increased the survival deficit of the model including only 'diversion from quitting' from 334 to 1,637 fewer survivors ([Table C5](#)).

For an ERR of 0.11, there were 678,042 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 676,797 (a difference of 1,245 survivors). Consequently, 50% 'relapse' increased the survival deficit of the model including only 'diversion from quitting' from 453 to 1,698 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 677,779 for 0% 'switching' to 680,157 for 1.5% 'switching'. After incorporating 50% 'relapse', the number of survivors ranged from 676,478 for 0% 'switching' to 678,954 for 1.5% 'switching' (differences of 1,301 and 1,203, respectively). Consequently, 50% 'relapse' increased the survival deficit for 0% 'switching' from 715 to 2,016 fewer survivors and decreased the survival benefit for 1.5% 'switching' from 1,663 to 460 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 677,627 for 0% 'switching' to 679,897 for 1.5% 'switching'. After incorporating 50% 'relapse', the number of survivors ranged from 676,384 for 0% 'switching' to 678,749 for 1.5% 'switching' (differences of 1,243 and 1,148, respectively). Consequently, 50% 'relapse' increased the survival deficit for 0% 'switching' from 867 to 2,110 fewer survivors and decreased the survival benefit for 1.5% 'switching' from 1,403 to 255 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')	^(continued smoking)	^(switching)	^(diversion from quitting)
13-17	-	-	-	-	-	-
18-22	0.91	0.046	0.086	0.914	0.0458	0.045
23-27	0.905	0.071	0.163	0.913	0.0704	0.089
28-32	0.86	0.065	0.138	0.870	0.0643	0.074
33-37	0.86	0.046	0.106	0.867	0.0456	0.056
38-42	0.86	0.035	0.126	0.869	0.0346	0.067
43-47	0.86	0.037	0.058	0.864	0.0368	0.030
48-52	0.86	0.030	0.049	0.863	0.0299	0.025
53-57	0.86	0.016	0.028	0.862	0.0160	0.014
58-62	0.86	0.018	0.051	0.864	0.0179	0.026
63-67	0.86	0.015	0.024	0.862	0.0150	0.012
68-72	0.86	0.016	0.016	0.861	0.0160	0.008
73+	0.86	0.016	0.016	0.861	0.0160	0.008

^a Using the formulas for $\hat{p}(\text{continued smoking})$, $\hat{p}(\text{switching})$ and $\hat{p}(\text{diversion from quitting})$ 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	685,318	684,262	1,056	6,824	5,768
0.11	684,812	683,804	1,008	6,318	5,310

^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	685,297	684,233	1,064	6,803	5,739
0.11	684,796	683,781	1,015	6,302	5,287

^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	678,160	676,857	1,303	-334	-1,637
0.11	678,042	676,797	1,245	-453	-1,698

^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	677,779	676,478	1,301	-715	-2,016
	0.5	678,589	677,321	1,268	95	-1,173
	1.0	679,382	678,147	1,235	888	-347
	1.5	680,157	678,954	1,203	1,663	460
0.11	0.0	677,627	676,384	1,243	-867	-2,110
	0.5	678,401	677,190	1,211	-93 ⁷	-1,304
	1.0	679,157	677,978	1,179	663	-516
	1.5	679,897	678,749	1,148	1,403	255

^a Replaces $(\hat{h}) \approx \hat{h}$ 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	0.226	0.197	0.255	58.284	58.156	58.413	58.510	58.398	58.620	0.207	0.181	0.235	58.284	58.156	58.413	58.492	58.380	58.603
QALE	0.162	0.141	0.183	45.744	45.650	45.837	45.906	45.825	45.986	0.149	0.130	0.169	45.744	45.650	45.837	45.893	45.811	45.974

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	0.061	0.053	0.069	58.284	58.156	58.413	58.345	58.222	58.468	0.056	0.048	0.063	58.284	58.156	58.413	58.340	58.217	58.463
QALE	0.043	0.038	0.049	45.744	45.650	45.837	45.787	45.697	45.877	0.040	0.035	0.045	45.744	45.650	45.837	45.784	45.694	45.874

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	0.214	0.186	0.242	58.284	58.156	58.413	58.498	58.385	58.609	0.153	0.131	0.175	58.284	58.156	58.413	58.437	58.323	58.551
QALE	0.153	0.134	0.174	45.744	45.650	45.837	45.897	45.815	45.978	0.110	0.095	0.127	45.744	45.650	45.837	45.854	45.771	45.937

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	0.092	0.075	0.110	58.284	58.156	58.413	58.376	58.260	58.493	0.032	0.020	0.045	58.284	58.156	58.413	58.316	58.197	58.437
QALE	0.067	0.055	0.080	45.744	45.650	45.837	45.811	45.726	45.896	0.025	0.016	0.034	45.744	45.650	45.837	45.768	45.681	45.857

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	-0.027	-0.038	-0.016	58.284	58.156	58.413	58.257	58.134	58.382	-0.085	-0.099	-0.073	58.284	58.156	58.413	58.199	58.071	58.327
QALE	-0.018	-0.026	-0.010	45.744	45.650	45.837	45.726	45.636	45.817	-0.059	-0.068	-0.050	45.744	45.650	45.837	45.684	45.591	45.778

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	-0.142	-0.159	-0.126	58.284	58.156	58.413	58.142	58.010	58.274	-0.198	-0.219	-0.177	58.284	58.156	58.413	58.086	57.951	58.222
QALE	-0.100	-0.112	-0.089	45.744	45.650	45.837	45.644	45.548	45.740	-0.140	-0.155	-0.125	45.744	45.650	45.837	45.604	45.505	45.703

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	-0.252	-0.279	-0.226	58.284	58.156	58.413	58.032	57.892	58.172	-0.304	-0.336	-0.274	58.284	58.156	58.413	57.980	57.837	58.123
QALE	-0.179	-0.198	-0.161	45.744	45.650	45.837	45.565	45.464	45.667	-0.217	-0.239	-0.195	45.744	45.650	45.837	45.527	45.423	45.632

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	0.225	0.197	0.255	58.284	58.156	58.413	58.509	58.397	58.620	0.207	0.180	0.235	58.284	58.156	58.413	58.491	58.379	58.603
QALE	0.162	0.141	0.183	45.744	45.650	45.837	45.905	45.824	45.986	0.149	0.129	0.169	45.744	45.650	45.837	45.892	45.811	45.974

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	0.436	0.384	0.490	58.284	58.156	58.413	58.720	58.618	58.820	0.406	0.357	0.457	58.284	58.156	58.413	58.690	58.588	58.792
QALE	0.313	0.276	0.352	45.744	45.650	45.837	46.057	45.983	46.130	0.292	0.257	0.329	45.744	45.650	45.837	46.036	45.962	46.110

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	-0.023	-0.024	-0.021	58.284	58.156	58.413	58.261	58.133	58.390	-0.028	-0.030	-0.026	58.284	58.156	58.413	58.256	58.128	58.385
QALE	-0.016	-0.017	-0.015	45.744	45.650	45.837	45.727	45.633	45.821	-0.020	-0.021	-0.019	45.744	45.650	45.837	45.723	45.629	45.818

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	0.004	0.001	0.007	58.284	58.156	58.413	58.288	58.162	58.414	-0.003	-0.006	0.000	58.284	58.156	58.413	58.281	58.155	58.408
QALE	0.002	0.001	0.005	45.744	45.650	45.837	45.746	45.654	45.839	-0.002	-0.004	0.000	45.744	45.65	45.837	45.741	45.649	45.834

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	0.029	0.024	0.035	58.284	58.156	58.413	58.313	58.190	58.437	0.021	0.016	0.027	58.284	58.156	58.413	58.305	58.182	58.430
QALE	0.021	0.017	0.025	45.744	45.650	45.837	45.765	45.674	45.855	0.015	0.012	0.019	45.744	45.650	45.837	45.759	45.668	45.850

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	0.055	0.046	0.064	58.284	58.156	58.413	58.339	58.217	58.461	0.045	0.037	0.054	58.284	58.156	58.413	58.329	58.207	58.452
QALE	0.039	0.033	0.045	45.744	45.650	45.837	45.783	45.693	45.872	0.032	0.027	0.038	45.744	45.650	45.837	45.776	45.687	45.866

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	0.079	0.068	0.091	58.284	58.156	58.413	58.363	58.244	58.484	0.069	0.058	0.080	58.284	58.156	58.413	58.353	58.233	58.474
QALE	0.057	0.048	0.065	45.744	45.650	45.837	45.800	45.713	45.888	0.049	0.042	0.057	45.744	45.650	45.837	45.793	45.705	45.881

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	0.104	0.089	0.119	58.284	58.156	58.413	58.388	58.269	58.507	0.092	0.078	0.106	58.284	58.156	58.413	58.376	58.257	58.496
QALE	0.074	0.064	0.085	45.744	45.650	45.837	45.818	45.731	45.904	0.066	0.056	0.076	45.744	45.650	45.837	45.809	45.723	45.896

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	0.127	0.110	0.145	58.284	58.156	58.413	58.411	58.294	58.529	0.114	0.098	0.131	58.284	58.156	58.413	58.398	58.281	58.517
QALE	0.091	0.079	0.104	45.744	45.650	45.837	45.835	45.749	45.920	0.082	0.070	0.094	45.744	45.650	45.837	45.825	45.740	45.911

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	0.150	0.130	0.171	58.284	58.156	58.413	58.434	58.319	58.551	0.136	0.117	0.156	58.284	58.156	58.413	58.420	58.304	58.537
QALE	0.108	0.093	0.122	45.744	45.650	45.837	45.851	45.767	45.935	0.098	0.084	0.112	45.744	45.650	45.837	45.841	45.756	45.926

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	0.173	0.150	0.197	58.284	58.156	58.413	58.457	58.343	58.572	0.158	0.136	0.180	58.284	58.156	58.413	58.442	58.327	58.557
QALE	0.124	0.107	0.141	45.744	45.650	45.837	45.867	45.784	45.950	0.113	0.098	0.129	45.744	45.650	45.837	45.857	45.773	45.940

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	0.003	0.003	0.004	58.284	58.156	58.413	58.288	58.160	58.416	0.003	0.002	0.004	58.284	58.156	58.413	58.287	58.159	58.415
QALE	0.003	0.002	0.003	45.744	45.650	45.837	45.746	45.653	45.840	0.002	0.002	0.003	45.744	45.650	45.837	45.746	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	0.451	0.398	0.506	58.284	58.156	58.413	58.735	58.634	58.835	0.427	0.376	0.479	58.284	58.156	58.413	58.711	58.609	58.812
QALE	0.324	0.286	0.363	45.744	45.650	45.837	46.068	45.994	46.141	0.307	0.270	0.344	45.744	45.650	45.837	46.050	45.976	46.124

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	-0.012	-0.014	-0.011	58.284	58.156	58.413	58.272	58.144	58.401	-0.017	-0.019	-0.014	58.284	58.156	58.413	58.267	58.139	58.397
QALE	-0.009	-0.010	-0.008	45.744	45.650	45.837	45.735	45.641	45.829	-0.012	-0.013	-0.010	45.744	45.650	45.837	45.732	45.637	45.827

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	0.002	0.002	0.003	58.284	58.156	58.413	58.286	58.159	58.414	0.002	0.001	0.002	58.284	58.156	58.413	58.286	58.158	58.414
QALE	0.002	0.001	0.002	45.744	45.650	45.837	45.745	45.652	45.839	0.001	0.001	0.002	45.744	45.650	45.837	45.745	45.651	45.839

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	0.247	0.218	0.277	58.284	58.156	58.413	58.531	58.419	58.642	0.234	0.206	0.262	58.284	58.156	58.413	58.518	58.405	58.629
QALE	0.177	0.156	0.199	45.744	45.650	45.837	45.921	45.840	46.001	0.168	0.148	0.188	45.744	45.650	45.837	45.912	45.830	45.992

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	0.226	0.197	0.255	58.284	58.156	58.413	58.510	58.398	58.620	0.207	0.181	0.235	58.284	58.156	58.413	58.492	58.380	58.603
QALE	0.162	0.141	0.183	45.744	45.650	45.837	45.906	45.825	45.986	0.149	0.130	0.169	45.744	45.650	45.837	45.893	45.811	45.974

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	0.230	0.201	0.259	58.284	58.156	58.413	58.514	58.402	58.624	0.212	0.185	0.240	58.284	58.156	58.413	58.496	58.384	58.607
QALE	0.165	0.145	0.186	45.744	45.650	45.837	45.909	45.827	45.989	0.152	0.133	0.172	45.744	45.650	45.837	45.896	45.814	45.977

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	0.199	0.174	0.224	58.284	58.156	58.413	58.483	58.369	58.596	0.184	0.161	0.208	58.284	58.156	58.413	58.468	58.354	58.582
QALE	0.143	0.125	0.161	45.744	45.650	45.837	45.886	45.803	45.968	0.132	0.115	0.149	45.744	45.650	45.837	45.876	45.792	45.958

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	0.129	0.113	0.146	58.284	58.156	58.413	58.413	58.295	58.531	0.120	0.104	0.136	58.284	58.156	58.413	58.404	58.285	58.522
QALE	0.092	0.081	0.105	45.744	45.650	45.837	45.836	45.750	45.922	0.086	0.075	0.097	45.744	45.650	45.837	45.829	45.743	45.916

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	0.073	0.063	0.083	58.284	58.156	58.413	58.357	58.235	58.479	0.068	0.059	0.077	58.284	58.156	58.413	58.352	58.229	58.474
QALE	0.052	0.045	0.059	45.744	45.650	45.837	45.795	45.706	45.885	0.048	0.042	0.055	45.744	45.650	45.837	45.792	45.703	45.881

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': 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	0.042	0.036	0.048	58.284	58.156	58.413	58.326	58.202	58.450	0.039	0.034	0.044	58.284	58.156	58.413	58.323	58.199	58.448
QALE	0.030	0.026	0.034	45.744	45.650	45.837	45.773	45.682	45.864	0.028	0.024	0.031	45.744	45.650	45.837	45.771	45.680	45.863

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': 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	0.025	0.022	0.028	58.284	58.156	58.413	58.309	58.183	58.435	0.023	0.020	0.027	58.284	58.156	58.413	58.307	58.182	58.434
QALE	0.017	0.015	0.020	45.744	45.650	45.837	45.761	45.669	45.853	0.016	0.014	0.019	45.744	45.650	45.837	45.760	45.668	45.852

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': 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	0.012	0.010	0.013	58.284	58.156	58.413	58.296	58.169	58.423	0.011	0.009	0.013	58.284	58.156	58.413	58.295	58.168	58.423
QALE	0.008	0.007	0.009	45.744	45.650	45.837	45.752	45.659	45.845	0.008	0.007	0.009	45.744	45.650	45.837	45.751	45.658	45.844

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': 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	0.005	0.004	0.005	58.284	58.156	58.413	58.289	58.161	58.417	0.004	0.004	0.005	58.284	58.156	58.413	58.288	58.161	58.417
QALE	0.003	0.003	0.004	45.744	45.650	45.837	45.747	45.653	45.840	0.003	0.003	0.003	45.744	45.650	45.837	45.747	45.653	45.840

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': 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	0.002	0.003	58.284	58.156	58.413	58.286	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	0.001	0.002	45.744	45.650	45.837	45.745	45.651	45.839	0.001	0.001	0.002	45.744	45.650	45.837	45.745	45.651	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 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 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	58.414	0.001	0.001	0.001	58.284	58.156	58.413	58.285	58.157	58.414
QALE	0.001	0.001	0.001	45.744	45.650	45.837	45.744	45.650	45.838	0.001	0.000	0.001	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	0.180	0.156	0.205	61.640	61.525	61.754	61.820	61.718	61.920	0.165	0.143	0.189	61.640	61.525	61.754	61.805	61.703	61.906
QALE	0.128	0.112	0.146	48.197	48.116	48.278	48.325	48.253	48.396	0.118	0.102	0.134	48.197	48.116	48.278	48.315	48.242	48.386

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	0.180	0.156	0.204	61.640	61.525	61.754	61.819	61.717	61.919	0.165	0.143	0.188	61.640	61.525	61.754	61.805	61.702	61.905
QALE	0.128	0.111	0.145	48.197	48.116	48.278	48.325	48.252	48.396	0.117	0.102	0.134	48.197	48.116	48.278	48.315	48.242	48.386

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	-0.020	-0.021	-0.019	61.640	61.525	61.754	61.620	61.505	61.734	-0.024	-0.026	-0.023	61.640	61.525	61.754	61.615	61.501	61.729
QALE	-0.014	-0.015	-0.014	48.197	48.116	48.278	48.183	48.101	48.264	-0.017	-0.018	-0.016	48.197	48.116	48.278	48.180	48.098	48.261

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	0.002	-0.001	0.004	61.640	61.525	61.754	61.642	61.529	61.754	-0.004	-0.006	-0.002	61.640	61.525	61.754	61.636	61.523	61.748
QALE	0.001	0.000	0.003	48.197	48.116	48.278	48.198	48.118	48.278	-0.003	-0.004	-0.001	48.197	48.116	48.278	48.194	48.114	48.274

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	0.023	0.018	0.028	61.640	61.525	61.754	61.663	61.551	61.773	0.016	0.012	0.021	61.640	61.525	61.754	61.656	61.544	61.767
QALE	0.016	0.013	0.020	48.197	48.116	48.278	48.213	48.134	48.292	0.012	0.009	0.015	48.197	48.116	48.278	48.209	48.129	48.288

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	0.044	0.036	0.051	61.640	61.525	61.754	61.684	61.573	61.792	0.036	0.029	0.043	61.640	61.525	61.754	61.676	61.565	61.785
QALE	0.031	0.026	0.036	48.197	48.116	48.278	48.228	48.149	48.306	0.026	0.021	0.031	48.197	48.116	48.278	48.223	48.144	48.300

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	0.064	0.054	0.074	61.640	61.525	61.754	61.704	61.595	61.812	0.055	0.046	0.065	61.640	61.525	61.754	61.695	61.586	61.803
QALE	0.045	0.038	0.053	48.197	48.116	48.278	48.242	48.165	48.319	0.039	0.033	0.046	48.197	48.116	48.278	48.236	48.158	48.313

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	0.084	0.072	0.097	61.640	61.525	61.754	61.724	61.616	61.830	0.074	0.063	0.086	61.640	61.525	61.754	61.714	61.606	61.821
QALE	0.059	0.051	0.069	48.197	48.116	48.278	48.257	48.180	48.332	0.053	0.045	0.061	48.197	48.116	48.278	48.250	48.173	48.326

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	0.103	0.089	0.118	61.640	61.525	61.754	61.743	61.636	61.849	0.093	0.079	0.107	61.640	61.525	61.754	61.732	61.625	61.838
QALE	0.073	0.063	0.084	48.197	48.116	48.278	48.270	48.194	48.345	0.066	0.056	0.076	48.197	48.116	48.278	48.263	48.187	48.338

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	0.122	0.105	0.140	61.640	61.525	61.754	61.762	61.656	61.866	0.111	0.095	0.127	61.640	61.525	61.754	61.750	61.644	61.855
QALE	0.087	0.075	0.099	48.197	48.116	48.278	48.284	48.209	48.358	0.079	0.067	0.090	48.197	48.116	48.278	48.276	48.200	48.350

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	0.141	0.122	0.161	61.640	61.525	61.754	61.781	61.676	61.883	0.128	0.110	0.147	61.640	61.525	61.754	61.768	61.663	61.871
QALE	0.100	0.086	0.114	48.197	48.116	48.278	48.297	48.223	48.370	0.091	0.078	0.104	48.197	48.116	48.278	48.288	48.214	48.361

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	1	1	1	993,650	993,281	994,009	993,651	993,282	994,010	1	0	1	993,650	993,281	994,009	993,651	993,282	994,010
23 - 27	13	10	15	988,756	988,189	989,305	988,769	988,201	989,318	12	10	14	988,756	988,189	989,305	988,768	988,200	989,317
28 - 32	73	63	84	982,030	981,252	982,794	982,103	981,330	982,863	69	59	80	982,030	981,252	982,794	982,099	981,326	982,860
33 - 37	232	201	264	972,766	971,766	973,763	972,998	972,013	973,980	221	190	251	972,766	971,766	973,763	972,986	972,001	973,969
38 - 42	543	471	615	959,978	958,732	961,234	960,521	959,315	961,735	516	446	585	959,978	958,732	961,234	960,493	959,287	961,709
43 - 47	1,057	919	1,195	942,285	940,758	943,830	943,343	941,892	944,797	1,003	869	1,135	942,285	940,758	943,830	943,288	941,836	944,746
48 - 52	1,828	1,590	2,065	917,749	915,866	919,636	919,577	917,877	921,301	1,729	1,501	1,958	917,749	915,866	919,636	919,478	917,770	921,207
53 - 57	2,878	2,502	3,253	883,638	881,326	885,956	886,517	884,507	888,565	2,715	2,354	3,073	883,638	881,326	885,956	886,353	884,331	888,410
58 - 62	4,170	3,625	4,711	836,133	833,339	838,900	840,302	837,969	842,663	3,915	3,395	4,434	836,133	833,339	838,900	840,048	837,696	842,426
63 - 67	5,573	4,847	6,300	769,998	766,689	773,230	775,571	772,885	778,209	5,202	4,511	5,898	769,998	766,689	773,230	775,199	772,486	777,867
68 - 72	6,824	5,938	7,723	678,494	674,893	682,007	685,318	682,456	688,128	6,318	5,481	7,170	678,494	674,893	682,007	684,812	681,915	687,651
73 - 77	7,504	6,534	8,494	554,326	550,744	557,788	561,831	559,033	564,596	6,874	5,963	7,810	554,326	550,744	557,788	561,201	558,365	563,990
78 - 82	7,091	6,173	8,044	393,784	390,324	397,173	400,875	397,778	403,941	6,405	5,553	7,291	393,784	390,324	397,173	400,189	397,083	403,259
83 - 87	5,182	4,466	5,929	208,183	203,696	212,699	213,365	208,800	217,971	4,600	3,954	5,278	208,183	203,696	212,699	212,783	208,249	217,378
88 - 92	2,065	1,593	2,572	44,385	39,290	49,590	46,450	41,099	51,904	1,802	1,402	2,231	44,385	39,290	49,590	46,187	40,886	51,613
93 - 97	-2	-9	4	5	-11	25	3	-7	16	-2	-9	4	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 E3.1_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	993,651	993,281	994,009
23 - 27	3	3	4	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	19	16	21	982,030	981,252	982,794	982,048	981,272	982,812	18	15	20	982,030	981,252	982,794	982,047	981,270	982,811
33 - 37	60	51	68	972,766	971,766	973,763	972,825	971,829	973,817	57	49	64	972,766	971,766	973,763	972,822	971,826	973,814
38 - 42	141	122	159	959,978	958,732	961,234	960,118	958,887	961,361	134	116	152	959,978	958,732	961,234	960,111	958,879	961,354
43 - 47	277	240	313	942,285	940,758	943,830	942,562	941,057	944,082	262	227	297	942,285	940,758	943,830	942,548	941,042	944,069
48 - 52	482	420	545	917,749	915,866	919,636	918,231	916,401	920,072	456	396	517	917,749	915,866	919,636	918,205	916,373	920,048
53 - 57	765	665	865	883,638	881,326	885,956	884,403	882,179	886,630	722	626	817	883,638	881,326	885,956	884,360	882,130	886,592
58 - 62	1,115	969	1,260	836,133	833,339	838,900	837,247	834,583	839,911	1,047	908	1,185	836,133	833,339	838,900	837,179	834,507	839,845
63 - 67	1,496	1,301	1,692	769,998	766,689	773,230	771,494	768,339	774,564	1,397	1,211	1,583	769,998	766,689	773,230	771,395	768,231	774,471
68 - 72	1,838	1,599	2,080	678,494	674,893	682,007	680,332	676,943	683,644	1,702	1,477	1,931	678,494	674,893	682,007	680,196	676,801	683,519
73 - 77	2,024	1,763	2,291	554,326	550,744	557,788	556,350	552,994	559,612	1,855	1,609	2,107	554,326	550,744	557,788	556,181	552,809	559,449
78 - 82	1,913	1,666	2,170	393,784	390,324	397,173	395,697	392,353	398,976	1,729	1,499	1,967	393,784	390,324	397,173	395,512	392,154	398,794
83 - 87	1,396	1,203	1,598	208,183	203,696	212,699	209,580	205,088	214,119	1,240	1,066	1,424	208,183	203,696	212,699	209,423	204,940	213,962
88 - 92	555	429	691	44,385	39,290	49,590	44,940	39,752	50,213	485	377	600	44,385	39,290	49,590	44,870	39,700	50,128
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 E3.1_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	1	0	1	993,650	993,281	994,009	993,651	993,282	994,010	0	0	0	993,650	993,281	994,009	993,651	993,281	994,009
23 - 27	12	10	14	988,756	988,189	989,305	988,768	988,201	989,317	9	7	11	988,756	988,189	989,305	988,765	988,198	989,314
28 - 32	71	60	81	982,030	981,252	982,794	982,100	981,327	982,861	58	49	67	982,030	981,252	982,794	982,087	981,313	982,849
33 - 37	225	194	255	972,766	971,766	973,763	972,990	972,005	973,973	185	158	212	972,766	971,766	973,763	972,950	971,964	973,935
38 - 42	525	455	595	959,978	958,732	961,234	960,502	959,296	961,718	432	370	494	959,978	958,732	961,234	960,410	959,201	961,627
43 - 47	1,021	886	1,155	942,285	940,758	943,830	943,306	941,855	944,763	835	717	952	942,285	940,758	943,830	943,120	941,662	944,586
48 - 52	1,762	1,531	1,994	917,749	915,866	919,636	919,511	917,806	921,239	1,426	1,226	1,628	917,749	915,866	919,636	919,175	917,445	920,924
53 - 57	2,769	2,404	3,134	883,638	881,326	885,956	886,408	884,390	888,464	2,210	1,900	2,522	883,638	881,326	885,956	885,849	883,794	887,938
58 - 62	4,000	3,472	4,526	836,133	833,339	838,900	840,133	837,789	842,502	3,132	2,685	3,579	836,133	833,339	838,900	839,265	836,852	841,707
63 - 67	5,326	4,624	6,032	769,998	766,689	773,230	775,324	772,627	777,981	4,063	3,480	4,658	769,998	766,689	773,230	774,061	771,269	776,805
68 - 72	6,487	5,637	7,355	678,494	674,893	682,007	684,981	682,096	687,815	4,778	4,087	5,493	678,494	674,893	682,007	683,272	680,261	686,228
73 - 77	7,085	6,157	8,037	554,326	550,744	557,788	561,411	558,591	564,195	4,975	4,244	5,733	554,326	550,744	557,788	559,302	556,355	562,213
78 - 82	6,634	5,761	7,542	393,784	390,324	397,173	400,417	397,321	403,490	4,370	3,712	5,057	393,784	390,324	397,173	398,153	395,019	401,226
83 - 87	4,793	4,124	5,493	208,183	203,696	212,699	212,976	208,432	217,578	2,908	2,449	3,403	208,183	203,696	212,699	211,091	206,619	215,603
88 - 92	1,889	1,465	2,343	44,385	39,290	49,590	46,274	40,950	51,704	1,060	844	1,297	44,385	39,290	49,590	45,445	40,213	50,747
93 - 97	-2	-9	4	5	-11	25	3	-7	16	-2	-9	4	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 E3.1_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	0	-1	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	3	2	5	988,756	988,189	989,305	988,759	988,192	989,309
28 - 32	44	36	52	982,030	981,252	982,794	982,074	981,299	982,836	31	24	37	982,030	981,252	982,794	982,060	981,285	982,823
33 - 37	144	121	168	972,766	971,766	973,763	972,910	971,923	973,896	103	83	122	972,766	971,766	973,763	972,868	971,879	973,856
38 - 42	336	284	389	959,978	958,732	961,234	960,314	959,098	961,540	237	194	282	959,978	958,732	961,234	960,215	958,996	961,448
43 - 47	642	542	742	942,285	940,758	943,830	942,927	941,457	944,406	441	360	526	942,285	940,758	943,830	942,727	941,246	944,217
48 - 52	1,077	909	1,248	917,749	915,866	919,636	918,825	917,068	920,595	713	578	853	917,749	915,866	919,636	918,462	916,683	920,254
53 - 57	1,627	1,369	1,889	883,638	881,326	885,956	885,266	883,167	887,390	1,022	818	1,236	883,638	881,326	885,956	884,660	882,513	886,824
58 - 62	2,229	1,866	2,601	836,133	833,339	838,900	838,362	835,882	840,858	1,293	1,011	1,591	836,133	833,339	838,900	837,426	834,884	839,993
63 - 67	2,758	2,293	3,240	769,998	766,689	773,230	772,756	769,859	775,601	1,414	1,059	1,791	769,998	766,689	773,230	771,412	768,413	774,366
68 - 72	3,032	2,493	3,597	678,494	674,893	682,007	681,526	678,400	684,611	1,256	851	1,687	678,494	674,893	682,007	679,750	676,493	682,962
73 - 77	2,859	2,310	3,444	554,326	550,744	557,788	557,185	554,084	560,204	747	338	1,186	554,326	550,744	557,788	555,073	551,817	558,222
78 - 82	2,157	1,686	2,663	393,784	390,324	397,173	395,940	392,763	399,071	10	-356	399	393,784	390,324	397,173	393,793	390,561	396,984
83 - 87	1,132	825	1,464	208,183	203,696	212,699	209,315	204,872	213,764	-528	-820	-245	208,183	203,696	212,699	207,655	203,233	212,037
88 - 92	317	192	439	44,385	39,290	49,590	44,702	39,603	49,884	-345	-584	-137	44,385	39,290	49,590	44,040	39,026	49,141
93 - 97	-2	-9	4	5	-11	25	3	-7	16	-2	-9	4	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 E3.1_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	993,650	993,280	994,008	-1	-1	-1	993,650	993,281	994,009	993,649	993,280	994,008
23 - 27	0	-1	2	988,756	988,189	989,305	988,756	988,189	989,306	-2	-3	-1	988,756	988,189	989,305	988,754	988,186	989,303
28 - 32	17	11	22	982,030	981,252	982,794	982,046	981,271	982,810	3	-2	7	982,030	981,252	982,794	982,032	981,257	982,797
33 - 37	60	44	76	972,766	971,766	973,763	972,825	971,835	973,816	16	4	29	972,766	971,766	973,763	972,782	971,789	973,774
38 - 42	136	101	172	959,978	958,732	961,234	960,113	958,889	961,350	31	4	60	959,978	958,732	961,234	960,009	958,778	961,251
43 - 47	235	170	303	942,285	940,758	943,830	942,520	941,028	944,024	21	-29	74	942,285	940,758	943,830	942,306	940,803	943,827
48 - 52	336	231	448	917,749	915,866	919,636	918,085	916,279	919,907	-53	-135	35	917,749	915,866	919,636	917,695	915,863	919,549
53 - 57	394	237	563	883,638	881,326	885,956	884,032	881,839	886,240	-256	-383	-122	883,638	881,326	885,956	883,383	881,136	885,643
58 - 62	326	111	557	836,133	833,339	838,900	836,459	833,841	839,101	-670	-858	-479	836,133	833,339	838,900	835,463	832,767	838,182
63 - 67	37	-237	332	769,998	766,689	773,230	770,035	766,919	773,093	-1,370	-1,636	-1,108	769,998	766,689	773,230	768,628	765,404	771,806
68 - 72	-541	-870	-195	678,494	674,893	682,007	677,953	674,540	681,302	-2,350	-2,708	-2,002	678,494	674,893	682,007	676,144	672,583	679,653
73 - 77	-1,347	-1,718	-969	554,326	550,744	557,788	552,980	549,595	556,291	-3,410	-3,871	-2,980	554,326	550,744	557,788	550,916	547,368	554,391
78 - 82	-2,059	-2,459	-1,674	393,784	390,324	397,173	391,725	388,420	395,002	-4,037	-4,570	-3,544	393,784	390,324	397,173	389,746	386,369	393,139
83 - 87	-2,065	-2,463	-1,694	208,183	203,696	212,699	206,118	201,751	210,468	-3,476	-4,017	-2,976	208,183	203,696	212,699	204,707	200,359	209,021
88 - 92	-928	-1,294	-596	44,385	39,290	49,590	43,457	38,507	48,475	-1,436	-1,911	-1,000	44,385	39,290	49,590	42,949	38,066	47,912
93 - 97	-2	-9	4	5	-11	25	3	-7	16	-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=0.7									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	994,008	-2	-2	-2	993,650	993,281	994,009	993,649	993,279	994,007
23 - 27	-5	-6	-5	988,756	988,189	989,305	988,751	988,183	989,300	-8	-9	-8	988,756	988,189	989,305	988,748	988,180	989,297
28 - 32	-12	-15	-8	982,030	981,252	982,794	982,018	981,242	982,783	-26	-29	-23	982,030	981,252	982,794	982,003	981,226	982,768
33 - 37	-28	-38	-18	972,766	971,766	973,763	972,737	971,741	973,731	-74	-83	-65	972,766	971,766	973,763	972,692	971,692	973,688
38 - 42	-77	-99	-53	959,978	958,732	961,234	959,901	958,660	961,151	-187	-210	-165	959,978	958,732	961,234	959,791	958,542	961,047
43 - 47	-200	-242	-156	942,285	940,758	943,830	942,086	940,564	943,624	-427	-475	-380	942,285	940,758	943,830	941,859	940,324	943,414
48 - 52	-456	-534	-378	917,749	915,866	919,636	917,293	915,436	919,180	-871	-965	-782	917,749	915,866	919,636	916,877	914,985	918,795
53 - 57	-925	-1,059	-796	883,638	881,326	885,956	882,713	880,416	885,030	-1,615	-1,785	-1,457	883,638	881,326	885,956	882,023	879,671	884,400
58 - 62	-1,692	-1,910	-1,487	836,133	833,339	838,900	834,440	831,662	837,241	-2,740	-3,023	-2,474	836,133	833,339	838,900	833,393	830,523	836,281
63 - 67	-2,801	-3,133	-2,495	769,998	766,689	773,230	767,197	763,860	770,501	-4,253	-4,686	-3,843	769,998	766,689	773,230	765,745	762,283	769,166
68 - 72	-4,164	-4,633	-3,731	678,494	674,893	682,007	674,331	670,614	677,985	-5,973	-6,580	-5,393	678,494	674,893	682,007	672,521	668,641	676,333
73 - 77	-5,433	-6,030	-4,866	554,326	550,744	557,788	548,893	545,182	552,539	-7,404	-8,172	-6,663	554,326	550,744	557,788	546,922	543,032	550,743
78 - 82	-5,915	-6,606	-5,258	393,784	390,324	397,173	387,868	384,416	391,346	-7,685	-8,544	-6,865	393,784	390,324	397,173	386,099	382,553	389,679
83 - 87	-4,759	-5,438	-4,128	208,183	203,696	212,699	203,424	199,110	207,736	-5,916	-6,724	-5,159	208,183	203,696	212,699	202,267	197,956	206,583
88 - 92	-1,876	-2,437	-1,357	44,385	39,290	49,590	42,509	37,679	47,428	-2,252	-2,879	-1,670	44,385	39,290	49,590	42,133	37,344	47,004
93 - 97	-2	-8	3	5	-11	25	3	-7	17	-2	-7	2	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=0.9									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	-11	-12	-11	988,756	988,189	989,305	988,745	988,177	989,294	-15	-15	-14	988,756	988,189	989,305	988,741	988,174	989,292
28 - 32	-41	-44	-38	982,030	981,252	982,794	981,989	981,210	982,755	-56	-60	-52	982,030	981,252	982,794	981,974	981,194	982,741
33 - 37	-121	-132	-110	972,766	971,766	973,763	972,645	971,644	973,644	-168	-182	-155	972,766	971,766	973,763	972,597	971,593	973,598
38 - 42	-301	-328	-274	959,978	958,732	961,234	959,677	958,422	960,942	-417	-453	-382	959,978	958,732	961,234	959,561	958,300	960,833
43 - 47	-661	-723	-601	942,285	940,758	943,830	941,625	940,076	943,202	-901	-983	-823	942,285	940,758	943,830	941,385	939,820	942,975
48 - 52	-1,299	-1,423	-1,180	917,749	915,866	919,636	916,450	914,522	918,394	-1,738	-1,898	-1,583	917,749	915,866	919,636	916,010	914,050	917,983
53 - 57	-2,324	-2,544	-2,109	883,638	881,326	885,956	881,315	878,905	883,745	-3,050	-3,334	-2,770	883,638	881,326	885,956	880,588	878,110	883,071
58 - 62	-3,809	-4,174	-3,453	836,133	833,339	838,900	832,323	829,353	835,302	-4,899	-5,363	-4,437	836,133	833,339	838,900	831,234	828,161	834,303
63 - 67	-5,719	-6,275	-5,174	769,998	766,689	773,230	764,279	760,680	767,827	-7,196	-7,883	-6,508	769,998	766,689	773,230	762,802	759,069	766,469
68 - 72	-7,771	-8,536	-7,023	678,494	674,893	682,007	670,723	666,694	674,673	-9,549	-10,478	-8,616	678,494	674,893	682,007	668,945	664,746	673,051
73 - 77	-9,313	-10,261	-8,389	554,326	550,744	557,788	545,013	540,947	549,003	-11,152	-12,288	-10,042	554,326	550,744	557,788	543,174	538,950	547,324
78 - 82	-9,340	-10,361	-8,356	393,784	390,324	397,173	384,444	380,788	388,116	-10,875	-12,047	-9,749	393,784	390,324	397,173	382,909	379,129	386,669
83 - 87	-6,947	-7,861	-6,083	208,183	203,696	212,699	201,236	196,927	205,549	-7,858	-8,869	-6,904	208,183	203,696	212,699	200,325	196,014	204,646
88 - 92	-2,570	-3,245	-1,939	44,385	39,290	49,590	41,815	37,056	46,675	-2,836	-3,541	-2,169	44,385	39,290	49,590	41,549	36,824	46,380
93 - 97	-1	-3	2	5	-11	25	4	-13	27	11	-13	43	5	-11	25	16	-24	68
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	10	8	11	988,756	988,189	989,305	988,766	988,198	989,315	9	7	11	988,756	988,189	989,305	988,765	988,197	989,314
28 - 32	67	57	77	982,030	981,252	982,794	982,097	981,323	982,858	63	54	73	982,030	981,252	982,794	982,093	981,319	982,854
33 - 37	221	191	251	972,766	971,766	973,763	972,987	972,002	973,970	210	181	239	972,766	971,766	973,763	972,976	971,991	973,959
38 - 42	526	456	596	959,978	958,732	961,234	960,504	959,297	961,719	500	432	567	959,978	958,732	961,234	960,477	959,271	961,693
43 - 47	1,034	899	1,169	942,285	940,758	943,830	943,320	941,869	944,776	981	850	1,110	942,285	940,758	943,830	943,266	941,813	944,726
48 - 52	1,798	1,565	2,031	917,749	915,866	919,636	919,547	917,844	921,275	1,702	1,477	1,926	917,749	915,866	919,636	919,450	917,740	921,184
53 - 57	2,844	2,473	3,213	883,638	881,326	885,956	886,482	884,470	888,533	2,682	2,326	3,037	883,638	881,326	885,956	886,321	884,295	888,381
58 - 62	4,133	3,594	4,670	836,133	833,339	838,900	840,265	837,928	842,631	3,882	3,368	4,394	836,133	833,339	838,900	840,014	837,658	842,397
63 - 67	5,540	4,819	6,259	769,998	766,689	773,230	775,537	772,848	778,184	5,173	4,487	5,861	769,998	766,689	773,230	775,171	772,457	777,843
68 - 72	6,803	5,923	7,696	678,494	674,893	682,007	685,297	682,432	688,107	6,302	5,471	7,150	678,494	674,893	682,007	684,796	681,894	687,643
73 - 77	7,505	6,538	8,491	554,326	550,744	557,788	561,832	559,030	564,598	6,880	5,976	7,811	554,326	550,744	557,788	561,207	558,370	564,004
78 - 82	7,122	6,203	8,074	393,784	390,324	397,173	400,905	397,802	403,978	6,440	5,588	7,324	393,784	390,324	397,173	400,223	397,115	403,299
83 - 87	5,236	4,515	5,990	208,183	203,696	212,699	213,419	208,862	218,028	4,655	4,002	5,339	208,183	203,696	212,699	212,838	208,303	217,440
88 - 92	2,112	1,629	2,630	44,385	39,290	49,590	46,496	41,145	51,954	1,848	1,435	2,288	44,385	39,290	49,590	46,233	40,923	51,656
93 - 97	-2	-9	4	5	-11	25	3	-7	16	-2	-9	4	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 E3.3: 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	23	19	26	988,756	988,189	989,305	988,779	988,212	989,328	22	18	25	988,756	988,189	989,305	988,778	988,210	989,327
28 - 32	147	128	167	982,030	981,252	982,794	982,177	981,408	982,934	141	123	160	982,030	981,252	982,794	982,171	981,402	982,928
33 - 37	471	413	529	972,766	971,766	973,763	973,237	972,266	974,208	452	396	508	972,766	971,766	973,763	973,218	972,246	974,189
38 - 42	1,094	962	1,226	959,978	958,732	961,234	961,072	959,895	962,247	1,049	922	1,177	959,978	958,732	961,234	961,027	959,848	962,205
43 - 47	2,113	1,859	2,365	942,285	940,758	943,830	944,399	943,021	945,803	2,024	1,779	2,267	942,285	940,758	943,830	944,309	942,926	945,716
48 - 52	3,620	3,186	4,052	917,749	915,866	919,636	921,369	919,785	922,983	3,460	3,041	3,876	917,749	915,866	919,636	921,209	919,619	922,832
53 - 57	5,652	4,968	6,332	883,638	881,326	885,956	889,290	887,509	891,117	5,387	4,729	6,044	883,638	881,326	885,956	889,025	887,219	890,868
58 - 62	8,132	7,145	9,114	836,133	833,339	838,900	844,264	842,248	846,314	7,721	6,772	8,663	836,133	833,339	838,900	843,853	841,808	845,932
63 - 67	10,810	9,498	12,122	769,998	766,689	773,230	780,808	778,566	783,032	10,212	8,955	11,468	769,998	766,689	773,230	780,210	777,915	782,474
68 - 72	13,184	11,576	14,804	678,494	674,893	682,007	691,678	689,362	693,996	12,368	10,840	13,912	678,494	674,893	682,007	690,862	688,495	693,225
73 - 77	14,449	12,679	16,241	554,326	550,744	557,788	568,776	566,439	571,130	13,432	11,762	15,125	554,326	550,744	557,788	567,758	565,376	570,150
78 - 82	13,599	11,913	15,340	393,784	390,324	397,173	407,383	404,375	410,386	12,488	10,920	14,116	393,784	390,324	397,173	406,271	403,278	409,246
83 - 87	9,857	8,528	11,241	208,183	203,696	212,699	218,040	213,263	222,846	8,910	7,701	10,173	208,183	203,696	212,699	217,093	212,388	221,842
88 - 92	3,821	2,940	4,775	44,385	39,290	49,590	48,206	42,628	53,956	3,391	2,630	4,212	44,385	39,290	49,590	47,776	42,256	53,433
93 - 97	-3	-15	6	5	-11	25	2	-4	10	-3	-15	6	5	-11	25	2	-4	10
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	-2	-2	-2	988,756	988,189	989,305	988,754	988,187	989,303	-3	-3	-3	988,756	988,189	989,305	988,753	988,186	989,303
28 - 32	-10	-10	-9	982,030	981,252	982,794	982,020	981,243	982,784	-11	-12	-10	982,030	981,252	982,794	982,019	981,241	982,783
33 - 37	-27	-28	-26	972,766	971,766	973,763	972,738	971,738	973,736	-31	-32	-30	972,766	971,766	973,763	972,735	971,734	973,732
38 - 42	-59	-62	-57	959,978	958,732	961,234	959,918	958,672	961,174	-68	-71	-65	959,978	958,732	961,234	959,910	958,664	961,166
43 - 47	-112	-116	-108	942,285	940,758	943,830	942,174	940,646	943,719	-129	-134	-124	942,285	940,758	943,830	942,157	940,629	943,703
48 - 52	-190	-196	-183	917,749	915,866	919,636	917,559	915,678	919,447	-220	-228	-211	917,749	915,866	919,636	917,529	915,647	919,419
53 - 57	-295	-306	-285	883,638	881,326	885,956	883,343	881,032	885,659	-346	-360	-332	883,638	881,326	885,956	883,293	880,981	885,611
58 - 62	-428	-444	-413	836,133	833,339	838,900	835,705	832,911	838,468	-506	-528	-485	836,133	833,339	838,900	835,627	832,835	838,394
63 - 67	-577	-600	-555	769,998	766,689	773,230	769,421	766,109	772,657	-690	-723	-659	769,998	766,689	773,230	769,308	765,993	772,552
68 - 72	-715	-748	-683	678,494	674,893	682,007	677,779	674,168	681,296	-867	-914	-823	678,494	674,893	682,007	677,627	674,002	681,157
73 - 77	-791	-836	-748	554,326	550,744	557,788	553,535	549,957	556,998	-978	-1,040	-918	554,326	550,744	557,788	553,348	549,774	556,820
78 - 82	-734	-791	-680	393,784	390,324	397,173	393,050	389,607	396,435	-932	-1,010	-859	393,784	390,324	397,173	392,851	389,407	396,234
83 - 87	-485	-545	-428	208,183	203,696	212,699	207,698	203,239	212,191	-647	-728	-570	208,183	203,696	212,699	207,536	203,081	212,018
88 - 92	-108	-156	-65	44,385	39,290	49,590	44,277	39,202	49,458	-176	-243	-116	44,385	39,290	49,590	44,209	39,149	49,383
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	-1	-2	-1	988,756	988,189	989,305	988,755	988,188	989,304
28 - 32	-3	-4	-2	982,030	981,252	982,794	982,027	981,250	982,791	-4	-5	-3	982,030	981,252	982,794	982,026	981,248	982,790
33 - 37	-6	-8	-3	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	-8	-14	-1	959,978	958,732	961,234	959,970	958,728	961,221	-18	-24	-11	959,978	958,732	961,234	959,960	958,717	961,211
43 - 47	-8	-21	5	942,285	940,758	943,830	942,278	940,759	943,817	-28	-40	-15	942,285	940,758	943,830	942,258	940,739	943,798
48 - 52	-2	-25	21	917,749	915,866	919,636	917,747	915,876	919,616	-39	-59	-17	917,749	915,866	919,636	917,710	915,839	919,584
53 - 57	12	-24	49	883,638	881,326	885,956	883,650	881,374	885,934	-49	-82	-14	883,638	881,326	885,956	883,589	881,309	885,876
58 - 62	35	-18	90	836,133	833,339	838,900	836,167	833,407	838,897	-60	-109	-9	836,133	833,339	838,900	836,072	833,309	838,809
63 - 67	64	-7	140	769,998	766,689	773,230	770,062	766,814	773,230	-75	-139	-5	769,998	766,689	773,230	769,923	766,665	773,098
68 - 72	95	8	188	678,494	674,893	682,007	678,589	675,069	682,037	-94	-172	-9	678,494	674,893	682,007	678,401	674,866	681,848
73 - 77	120	25	222	554,326	550,744	557,788	554,446	550,951	557,824	-113	-199	-20	554,326	550,744	557,788	554,213	550,716	557,601
78 - 82	137	50	231	393,784	390,324	397,173	393,920	390,529	397,239	-113	-196	-26	393,784	390,324	397,173	393,671	390,277	397,001
83 - 87	148	80	218	208,183	203,696	212,699	208,331	203,859	212,843	-58	-123	8	208,183	203,696	212,699	208,125	203,656	212,622
88 - 92	135	98	174	44,385	39,290	49,590	44,520	39,403	49,721	47	10	82	44,385	39,290	49,590	44,432	39,335	49,621
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	1	988,756	988,189	989,305	988,756	988,189	989,306	0	-1	0	988,756	988,189	989,305	988,756	988,189	989,305
28 - 32	4	2	6	982,030	981,252	982,794	982,034	981,257	982,798	3	1	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	973,775	11	6	16	972,766	971,766	973,763	972,777	971,780	973,770
38 - 42	43	31	56	959,978	958,732	961,234	960,021	958,784	961,267	32	20	44	959,978	958,732	961,234	960,009	958,772	961,255
43 - 47	95	71	120	942,285	940,758	943,830	942,381	940,868	943,911	72	49	96	942,285	940,758	943,830	942,357	940,844	943,889
48 - 52	183	139	227	917,749	915,866	919,636	917,932	916,083	919,785	140	99	182	917,749	915,866	919,636	917,889	916,037	919,743
53 - 57	314	243	386	883,638	881,326	885,956	883,952	881,710	886,202	242	176	310	883,638	881,326	885,956	883,881	881,632	886,136
58 - 62	489	383	597	836,133	833,339	838,900	836,622	833,920	839,316	377	278	479	836,133	833,339	838,900	836,510	833,801	839,204
63 - 67	693	548	842	769,998	766,689	773,230	770,691	767,498	773,797	528	394	668	769,998	766,689	773,230	770,526	767,322	773,643
68 - 72	887	707	1,073	678,494	674,893	682,007	679,382	675,947	682,742	663	498	838	678,494	674,893	682,007	679,157	675,706	682,533
73 - 77	1,010	812	1,216	554,326	550,744	557,788	555,336	551,923	558,637	731	552	923	554,326	550,744	557,788	555,058	551,640	558,370
78 - 82	986	801	1,184	393,784	390,324	397,173	394,770	391,409	398,061	686	521	865	393,784	390,324	397,173	394,470	391,109	397,754
83 - 87	766	625	915	208,183	203,696	212,699	208,949	204,494	213,472	516	396	645	208,183	203,696	212,699	208,699	204,245	213,207
88 - 92	372	288	462	44,385	39,290	49,590	44,757	39,616	49,981	264	203	329	44,385	39,290	49,590	44,649	39,517	49,860
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	2	1	2	988,756	988,189	989,305	988,758	988,190	989,307	1	0	2	988,756	988,189	989,305	988,757	988,190	989,306
28 - 32	11	9	14	982,030	981,252	982,794	982,041	981,264	982,805	9	7	12	982,030	981,252	982,794	982,039	981,262	982,803
33 - 37	38	29	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	94	75	113	959,978	958,732	961,234	960,072	958,838	961,314	81	63	99	959,978	958,732	961,234	960,059	958,824	961,301
43 - 47	197	161	234	942,285	940,758	943,830	942,483	940,978	944,003	171	136	206	942,285	940,758	943,830	942,456	940,950	943,979
48 - 52	365	300	431	917,749	915,866	919,636	918,114	916,285	919,953	317	255	379	917,749	915,866	919,636	918,066	916,233	919,906
53 - 57	612	505	718	883,638	881,326	885,956	884,250	882,028	886,468	530	429	631	883,638	881,326	885,956	884,168	881,944	886,391
58 - 62	936	777	1,096	836,133	833,339	838,900	837,068	834,413	839,717	807	658	958	836,133	833,339	838,900	836,939	834,281	839,595
63 - 67	1,309	1,091	1,533	769,998	766,689	773,230	771,307	768,180	774,349	1,119	916	1,329	769,998	766,689	773,230	771,117	767,979	774,171
68 - 72	1,662	1,390	1,942	678,494	674,893	682,007	680,157	676,799	683,439	1,403	1,150	1,665	678,494	674,893	682,007	679,897	676,524	683,195
73 - 77	1,879	1,578	2,191	554,326	550,744	557,788	556,205	552,889	559,426	1,556	1,281	1,845	554,326	550,744	557,788	555,883	552,547	559,117
78 - 82	1,815	1,530	2,115	393,784	390,324	397,173	395,599	392,279	398,846	1,467	1,210	1,740	393,784	390,324	397,173	395,250	391,926	398,503
83 - 87	1,368	1,150	1,600	208,183	203,696	212,699	209,551	205,082	214,075	1,077	885	1,280	208,183	203,696	212,699	209,260	204,792	213,779
88 - 92	604	468	749	44,385	39,290	49,590	44,989	39,802	50,246	476	372	589	44,385	39,290	49,590	44,861	39,696	50,091
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	4	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	989,308
28 - 32	18	15	22	982,030	981,252	982,794	982,048	981,271	982,812	16	12	20	982,030	981,252	982,794	982,046	981,269	982,810
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	144	120	169	959,978	958,732	961,234	960,122	958,893	961,360	130	106	153	959,978	958,732	961,234	960,107	958,877	961,347
43 - 47	298	250	347	942,285	940,758	943,830	942,584	941,087	944,095	268	222	315	942,285	940,758	943,830	942,554	941,055	944,067
48 - 52	546	459	633	917,749	915,866	919,636	918,294	916,480	920,118	491	409	574	917,749	915,866	919,636	918,240	916,420	920,066
53 - 57	905	763	1,046	883,638	881,326	885,956	884,543	882,349	886,744	812	679	946	883,638	881,326	885,956	884,451	882,252	886,657
58 - 62	1,374	1,163	1,586	836,133	833,339	838,900	837,507	834,896	840,116	1,229	1,029	1,430	836,133	833,339	838,900	837,361	834,741	839,982
63 - 67	1,913	1,623	2,208	769,998	766,689	773,230	771,911	768,853	774,900	1,698	1,426	1,977	769,998	766,689	773,230	771,696	768,626	774,702
68 - 72	2,420	2,057	2,793	678,494	674,893	682,007	680,915	677,628	684,125	2,127	1,789	2,475	678,494	674,893	682,007	680,621	677,305	683,853
73 - 77	2,728	2,327	3,145	554,326	550,744	557,788	557,055	553,823	560,202	2,362	1,989	2,748	554,326	550,744	557,788	556,688	553,432	559,855
78 - 82	2,625	2,243	3,025	393,784	390,324	397,173	396,409	393,136	399,620	2,228	1,879	2,594	393,784	390,324	397,173	396,012	392,730	399,232
83 - 87	1,957	1,662	2,269	208,183	203,696	212,699	210,140	205,646	214,673	1,624	1,363	1,901	208,183	203,696	212,699	209,807	205,330	214,325
88 - 92	831	642	1,030	44,385	39,290	49,590	45,215	40,015	50,506	684	534	845	44,385	39,290	49,590	45,069	39,868	50,337
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	989,310	4	3	5	988,756	988,189	989,305	988,760	988,192	989,309
28 - 32	25	21	30	982,030	981,252	982,794	982,055	981,279	982,819	23	18	27	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	971,853	973,836	73	60	86	972,766	971,766	973,763	972,839	971,846	973,829
38 - 42	194	164	225	959,978	958,732	961,234	960,172	958,947	961,406	178	149	208	959,978	958,732	961,234	960,156	958,930	961,391
43 - 47	398	338	459	942,285	940,758	943,830	942,684	941,194	944,185	365	307	423	942,285	940,758	943,830	942,651	941,159	944,154
48 - 52	723	615	832	917,749	915,866	919,636	918,472	916,671	920,281	663	560	766	917,749	915,866	919,636	918,412	916,609	920,224
53 - 57	1,193	1,017	1,369	883,638	881,326	885,956	884,831	882,664	887,011	1,091	924	1,258	883,638	881,326	885,956	884,729	882,557	886,918
58 - 62	1,804	1,542	2,069	836,133	833,339	838,900	837,937	835,370	840,502	1,643	1,394	1,894	836,133	833,339	838,900	837,775	835,197	840,348
63 - 67	2,504	2,143	2,870	769,998	766,689	773,230	772,502	769,524	775,428	2,266	1,925	2,614	769,998	766,689	773,230	772,263	769,260	775,207
68 - 72	3,162	2,709	3,627	678,494	674,893	682,007	681,656	678,451	684,804	2,835	2,411	3,269	678,494	674,893	682,007	681,329	678,095	684,494
73 - 77	3,558	3,056	4,079	554,326	550,744	557,788	557,884	554,743	560,972	3,149	2,683	3,632	554,326	550,744	557,788	557,475	554,303	560,576
78 - 82	3,416	2,936	3,916	393,784	390,324	397,173	397,199	393,973	400,377	2,972	2,533	3,431	393,784	390,324	397,173	396,755	393,516	399,929
83 - 87	2,531	2,161	2,926	208,183	203,696	212,699	210,715	206,215	215,267	2,158	1,828	2,508	208,183	203,696	212,699	210,341	205,845	214,874
88 - 92	1,052	814	1,306	44,385	39,290	49,590	45,437	40,206	50,756	886	689	1,097	44,385	39,290	49,590	45,271	40,058	50,572
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	7	988,756	988,189	989,305	988,761	988,194	989,311	5	4	6	988,756	988,189	989,305	988,761	988,193	989,310
28 - 32	32	27	38	982,030	981,252	982,794	982,062	981,286	982,825	29	24	35	982,030	981,252	982,794	982,059	981,283	982,823
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	244	207	281	959,978	958,732	961,234	960,222	959,000	961,455	226	191	262	959,978	958,732	961,234	960,204	958,981	961,437
43 - 47	497	425	570	942,285	940,758	943,830	942,783	941,298	944,276	461	391	530	942,285	940,758	943,830	942,746	941,259	944,242
48 - 52	899	770	1,028	917,749	915,866	919,636	918,648	916,859	920,442	833	710	956	917,749	915,866	919,636	918,581	916,789	920,380
53 - 57	1,477	1,267	1,687	883,638	881,326	885,956	885,115	882,970	887,273	1,365	1,164	1,564	883,638	881,326	885,956	885,003	882,850	887,169
58 - 62	2,227	1,914	2,543	836,133	833,339	838,900	838,360	835,835	840,881	2,050	1,752	2,349	836,133	833,339	838,900	838,182	835,648	840,714
63 - 67	3,084	2,653	3,520	769,998	766,689	773,230	773,082	770,155	775,959	2,821	2,414	3,235	769,998	766,689	773,230	772,819	769,875	775,713
68 - 72	3,887	3,349	4,440	678,494	674,893	682,007	682,381	679,243	685,472	3,527	3,021	4,048	678,494	674,893	682,007	682,021	678,865	685,131
73 - 77	4,368	3,766	4,990	554,326	550,744	557,788	558,695	555,620	561,722	3,918	3,361	4,497	554,326	550,744	557,788	558,244	555,146	561,291
78 - 82	4,187	3,613	4,787	393,784	390,324	397,173	397,971	394,765	401,113	3,697	3,169	4,248	393,784	390,324	397,173	397,481	394,279	400,630
83 - 87	3,093	2,646	3,565	208,183	203,696	212,699	211,276	206,786	215,842	2,679	2,281	3,102	208,183	203,696	212,699	210,862	206,373	215,409
88 - 92	1,268	981	1,577	44,385	39,290	49,590	45,653	40,394	51,008	1,084	843	1,341	44,385	39,290	49,590	45,469	40,239	50,787
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	7	5	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	39	33	45	982,030	981,252	982,794	982,069	981,293	982,832	36	30	42	982,030	981,252	982,794	982,066	981,290	982,829
33 - 37	122	104	141	972,766	971,766	973,763	972,888	971,897	973,875	114	96	132	972,766	971,766	973,763	972,880	971,888	973,867
38 - 42	293	251	336	959,978	958,732	961,234	960,271	959,052	961,501	274	233	315	959,978	958,732	961,234	960,251	959,032	961,483
43 - 47	595	511	679	942,285	940,758	943,830	942,880	941,401	944,365	556	475	637	942,285	940,758	943,830	942,841	941,362	944,328
48 - 52	1,072	923	1,222	917,749	915,866	919,636	918,821	917,047	920,604	1,000	857	1,143	917,749	915,866	919,636	918,749	916,972	920,534
53 - 57	1,756	1,513	1,999	883,638	881,326	885,956	885,395	883,280	887,527	1,634	1,402	1,866	883,638	881,326	885,956	885,272	883,148	887,412
58 - 62	2,642	2,281	3,008	836,133	833,339	838,900	838,775	836,293	841,264	2,449	2,105	2,796	836,133	833,339	838,900	838,582	836,087	841,079
63 - 67	3,652	3,151	4,157	769,998	766,689	773,230	773,650	770,769	776,460	3,366	2,894	3,845	769,998	766,689	773,230	773,364	770,468	776,198
68 - 72	4,597	3,975	5,235	678,494	674,893	682,007	683,091	680,021	686,104	4,204	3,618	4,808	678,494	674,893	682,007	682,699	679,601	685,747
73 - 77	5,160	4,463	5,879	554,326	550,744	557,788	559,487	556,500	562,445	4,669	4,020	5,340	554,326	550,744	557,788	558,995	555,976	561,982
78 - 82	4,941	4,275	5,636	393,784	390,324	397,173	398,724	395,551	401,847	4,406	3,790	5,047	393,784	390,324	397,173	398,189	395,009	401,311
83 - 87	3,640	3,121	4,189	208,183	203,696	212,699	211,823	207,332	216,407	3,188	2,725	3,684	208,183	203,696	212,699	211,371	206,885	215,930
88 - 92	1,479	1,144	1,841	44,385	39,290	49,590	45,864	40,581	51,243	1,277	993	1,580	44,385	39,290	49,590	45,662	40,408	51,004
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	10	988,756	988,189	989,305	988,764	988,196	989,313	7	6	9	988,756	988,189	989,305	988,763	988,196	989,313
28 - 32	46	39	53	982,030	981,252	982,794	982,075	981,300	982,838	43	36	50	982,030	981,252	982,794	982,072	981,297	982,835
33 - 37	143	122	164	972,766	971,766	973,763	972,909	971,919	973,895	134	114	155	972,766	971,766	973,763	972,900	971,910	973,887
38 - 42	342	294	390	959,978	958,732	961,234	960,320	959,104	961,546	321	275	368	959,978	958,732	961,234	960,299	959,082	961,527
43 - 47	692	597	787	942,285	940,758	943,830	942,977	941,507	944,453	649	558	741	942,285	940,758	943,830	942,935	941,462	944,415
48 - 52	1,243	1,074	1,413	917,749	915,866	919,636	918,992	917,232	920,759	1,165	1,003	1,328	917,749	915,866	919,636	918,914	917,150	920,687
53 - 57	2,031	1,756	2,307	883,638	881,326	885,956	885,670	883,580	887,779	1,900	1,636	2,163	883,638	881,326	885,956	885,538	883,438	887,657
58 - 62	3,050	2,639	3,464	836,133	833,339	838,900	839,182	836,742	841,638	2,841	2,450	3,237	836,133	833,339	838,900	838,974	836,515	841,445
63 - 67	4,208	3,640	4,780	769,998	766,689	773,230	774,206	771,386	776,963	3,900	3,364	4,444	769,998	766,689	773,230	773,898	771,060	776,675
68 - 72	5,291	4,586	6,014	678,494	674,893	682,007	683,785	680,781	686,733	4,867	4,200	5,553	678,494	674,893	682,007	683,361	680,329	686,341
73 - 77	5,934	5,143	6,747	554,326	550,744	557,788	560,260	557,343	563,148	5,403	4,664	6,166	554,326	550,744	557,788	559,729	556,782	562,650
78 - 82	5,677	4,921	6,464	393,784	390,324	397,173	399,460	396,323	402,576	5,097	4,398	5,826	393,784	390,324	397,173	398,881	395,725	401,991
83 - 87	4,176	3,585	4,798	208,183	203,696	212,699	212,359	207,835	216,954	3,685	3,154	4,250	208,183	203,696	212,699	211,868	207,383	216,446
88 - 92	1,686	1,303	2,098	44,385	39,290	49,590	46,071	40,782	51,470	1,466	1,140	1,816	44,385	39,290	49,590	45,851	40,562	51,214
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	4	3	4	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	9	8	10	982,030	981,252	982,794	982,039	981,262	982,803	9	8	10	982,030	981,252	982,794	982,039	981,261	982,802
33 - 37	18	16	20	972,766	971,766	973,763	972,784	971,786	973,779	17	15	19	972,766	971,766	973,763	972,783	971,785	973,779
38 - 42	31	27	35	959,978	958,732	961,234	960,009	958,765	961,262	30	26	33	959,978	958,732	961,234	960,007	958,764	961,260
43 - 47	48	42	54	942,285	940,758	943,830	942,334	940,812	943,876	46	40	51	942,285	940,758	943,830	942,331	940,809	943,873
48 - 52	69	61	78	917,749	915,866	919,636	917,818	915,942	919,701	66	58	74	917,749	915,866	919,636	917,814	915,937	919,697
53 - 57	93	81	105	883,638	881,326	885,956	883,731	881,426	886,039	87	76	98	883,638	881,326	885,956	883,725	881,420	886,033
58 - 62	115	100	130	836,133	833,339	838,900	836,248	833,459	839,003	106	93	121	836,133	833,339	838,900	836,239	833,450	838,995
63 - 67	129	112	147	769,998	766,689	773,230	770,127	766,835	773,348	118	101	135	769,998	766,689	773,230	770,116	766,821	773,338
68 - 72	127	109	147	678,494	674,893	682,007	678,621	675,033	682,119	112	95	130	678,494	674,893	682,007	678,607	675,017	682,106
73 - 77	99	81	117	554,326	550,744	557,788	554,425	550,858	557,872	82	66	99	554,326	550,744	557,788	554,408	550,840	557,857
78 - 82	40	25	56	393,784	390,324	397,173	393,824	390,373	397,203	25	10	40	393,784	390,324	397,173	393,808	390,357	397,188
83 - 87	-30	-48	-13	208,183	203,696	212,699	208,153	203,668	212,668	-40	-57	-23	208,183	203,696	212,699	208,143	203,659	212,658
88 - 92	-60	-81	-41	44,385	39,290	49,590	44,325	39,231	49,528	-61	-82	-42	44,385	39,290	49,590	44,324	39,230	49,527
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	24	20	27	988,756	988,189	989,305	988,780	988,212	989,329	23	20	27	988,756	988,189	989,305	988,779	988,212	989,329
28 - 32	151	132	170	982,030	981,252	982,794	982,181	981,412	982,937	146	128	165	982,030	981,252	982,794	982,176	981,407	982,933
33 - 37	481	423	539	972,766	971,766	973,763	973,247	972,276	974,218	466	410	523	972,766	971,766	973,763	973,232	972,260	974,203
38 - 42	1,117	984	1,249	959,978	958,732	961,234	961,094	959,918	962,271	1,081	953	1,209	959,978	958,732	961,234	961,059	959,880	962,238
43 - 47	2,159	1,904	2,411	942,285	940,758	943,830	944,444	943,067	945,848	2,088	1,841	2,333	942,285	940,758	943,830	944,373	942,992	945,779
48 - 52	3,702	3,266	4,136	917,749	915,866	919,636	921,451	919,870	923,065	3,575	3,153	3,994	917,749	915,866	919,636	921,324	919,736	922,944
53 - 57	5,790	5,105	6,477	883,638	881,326	885,956	889,429	887,644	891,250	5,578	4,916	6,241	883,638	881,326	885,956	889,217	887,411	891,057
58 - 62	8,348	7,355	9,337	836,133	833,339	838,900	844,480	842,468	846,526	8,018	7,061	8,971	836,133	833,339	838,900	844,151	842,110	846,222
63 - 67	11,126	9,807	12,447	769,998	766,689	773,230	781,124	778,888	783,350	10,644	9,377	11,912	769,998	766,689	773,230	780,642	778,351	782,900
68 - 72	13,614	11,997	15,243	678,494	674,893	682,007	692,108	689,796	694,419	12,953	11,409	14,518	678,494	674,893	682,007	691,448	689,084	693,812
73 - 77	14,982	13,180	16,799	554,326	550,744	557,788	569,309	566,963	571,662	14,152	12,450	15,871	554,326	550,744	557,788	568,478	566,096	570,867
78 - 82	14,169	12,460	15,938	393,784	390,324	397,173	407,953	404,927	410,972	13,253	11,644	14,919	393,784	390,324	397,173	407,036	404,018	410,049
83 - 87	10,324	8,948	11,748	208,183	203,696	212,699	218,507	213,688	223,350	9,529	8,267	10,846	208,183	203,696	212,699	217,712	212,957	222,490
88 - 92	4,011	3,083	5,015	44,385	39,290	49,590	48,396	42,783	54,174	3,639	2,814	4,530	44,385	39,290	49,590	48,023	42,468	53,723
93 - 97	-3	-15	6	5	-11	25	2	-4	10	-3	-15	6	5	-11	25	2	-4	10
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	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	-1	-2	-1	982,030	981,252	982,794	982,028	981,251	982,792	-2	-2	-2	982,030	981,252	982,794	982,028	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	972,758	971,758	973,756
38 - 42	-14	-16	-12	959,978	958,732	961,234	959,964	958,717	961,220	-19	-22	-16	959,978	958,732	961,234	959,959	958,712	961,215
43 - 47	-31	-35	-27	942,285	940,758	943,830	942,255	940,726	943,801	-42	-48	-36	942,285	940,758	943,830	942,244	940,715	943,791
48 - 52	-59	-66	-51	917,749	915,866	919,636	917,690	915,806	919,581	-80	-90	-69	917,749	915,866	919,636	917,669	915,786	919,563
53 - 57	-101	-114	-88	883,638	881,326	885,956	883,537	881,219	885,860	-137	-155	-120	883,638	881,326	885,956	883,501	881,181	885,825
58 - 62	-161	-182	-141	836,133	833,339	838,900	835,972	833,173	838,744	-219	-247	-192	836,133	833,339	838,900	835,914	833,115	838,690
63 - 67	-240	-271	-211	769,998	766,689	773,230	769,758	766,440	773,007	-326	-368	-287	769,998	766,689	773,230	769,672	766,348	772,927
68 - 72	-334	-376	-293	678,494	674,893	682,007	678,160	674,533	681,699	-453	-510	-397	678,494	674,893	682,007	678,042	674,398	681,582
73 - 77	-424	-478	-372	554,326	550,744	557,788	553,902	550,315	557,378	-574	-647	-504	554,326	550,744	557,788	553,752	550,167	557,233
78 - 82	-473	-536	-413	393,784	390,324	397,173	393,310	389,855	396,705	-637	-722	-557	393,784	390,324	397,173	393,146	389,688	396,542
83 - 87	-414	-479	-355	208,183	203,696	212,699	207,769	203,306	212,267	-555	-642	-475	208,183	203,696	212,699	207,628	203,171	212,108
88 - 92	-197	-260	-139	44,385	39,290	49,590	44,188	39,118	49,352	-262	-346	-185	44,385	39,290	49,590	44,123	39,065	49,280
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	3	3	4	988,756	988,189	989,305	988,759	988,192	989,308	3	3	3	988,756	988,189	989,305	988,759	988,192	989,308
28 - 32	7	6	8	982,030	981,252	982,794	982,037	981,260	982,800	7	6	8	982,030	981,252	982,794	982,037	981,259	982,800
33 - 37	13	11	14	972,766	971,766	973,763	972,778	971,780	973,775	12	11	14	972,766	971,766	973,763	972,778	971,779	973,774
38 - 42	21	18	23	959,978	958,732	961,234	959,998	958,754	961,252	20	17	22	959,978	958,732	961,234	959,998	958,753	961,251
43 - 47	31	27	35	942,285	940,758	943,830	942,316	940,793	943,859	29	26	33	942,285	940,758	943,830	942,315	940,791	943,857
48 - 52	43	37	49	917,749	915,866	919,636	917,792	915,913	919,676	41	35	46	917,749	915,866	919,636	917,790	915,911	919,674
53 - 57	56	48	64	883,638	881,326	885,956	883,694	881,385	886,006	53	45	60	883,638	881,326	885,956	883,691	881,381	886,003
58 - 62	68	58	78	836,133	833,339	838,900	836,200	833,411	838,959	63	53	73	836,133	833,339	838,900	836,195	833,406	838,954
63 - 67	75	62	87	769,998	766,689	773,230	770,072	766,773	773,297	68	56	80	769,998	766,689	773,230	770,066	766,766	773,291
68 - 72	72	58	86	678,494	674,893	682,007	678,566	674,973	682,069	63	50	77	678,494	674,893	682,007	678,558	674,965	682,061
73 - 77	54	40	69	554,326	550,744	557,788	554,381	550,808	557,831	45	32	59	554,326	550,744	557,788	554,371	550,799	557,823
78 - 82	21	8	35	393,784	390,324	397,173	393,805	390,353	397,186	13	0	26	393,784	390,324	397,173	393,796	390,345	397,178
83 - 87	-17	-29	-5	208,183	203,696	212,699	208,166	203,679	212,682	-22	-35	-10	208,183	203,696	212,699	208,161	203,674	212,677
88 - 92	-33	-44	-22	44,385	39,290	49,590	44,352	39,260	49,556	-33	-45	-22	44,385	39,290	49,590	44,352	39,260	49,556
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	12	10	14	988,756	988,189	989,305	988,768	988,200	989,317	11	10	13	988,756	988,189	989,305	988,768	988,200	989,317
28 - 32	76	67	86	982,030	981,252	982,794	982,106	981,333	982,867	74	65	84	982,030	981,252	982,794	982,104	981,330	982,865
33 - 37	248	218	278	972,766	971,766	973,763	973,014	972,030	973,997	241	212	270	972,766	971,766	973,763	973,006	972,022	973,990
38 - 42	585	516	655	959,978	958,732	961,234	960,563	959,358	961,776	567	499	634	959,978	958,732	961,234	960,544	959,338	961,758
43 - 47	1,145	1,010	1,279	942,285	940,758	943,830	943,431	941,981	944,887	1,108	977	1,238	942,285	940,758	943,830	943,393	941,940	944,853
48 - 52	1,985	1,750	2,217	917,749	915,866	919,636	919,734	918,032	921,463	1,917	1,690	2,142	917,749	915,866	919,636	919,666	917,959	921,399
53 - 57	3,133	2,762	3,506	883,638	881,326	885,956	886,772	884,763	888,825	3,019	2,660	3,377	883,638	881,326	885,956	886,657	884,636	888,716
58 - 62	4,550	4,009	5,090	836,133	833,339	838,900	840,683	838,345	843,050	4,372	3,850	4,892	836,133	833,339	838,900	840,504	838,151	842,884
63 - 67	6,100	5,374	6,823	769,998	766,689	773,230	776,097	773,403	778,744	5,837	5,141	6,533	769,998	766,689	773,230	775,835	773,121	778,502
68 - 72	7,492	6,602	8,392	678,494	674,893	682,007	685,986	683,118	688,796	7,131	6,278	7,990	678,494	674,893	682,007	685,626	682,734	688,459
73 - 77	8,263	7,273	9,259	554,326	550,744	557,788	562,589	559,791	565,359	7,809	6,872	8,756	554,326	550,744	557,788	562,135	559,300	564,933
78 - 82	7,817	6,873	8,795	393,784	390,324	397,173	401,600	398,483	404,700	7,316	6,427	8,237	393,784	390,324	397,173	401,100	397,975	404,191
83 - 87	5,686	4,929	6,473	208,183	203,696	212,699	213,869	209,288	218,507	5,253	4,556	5,978	208,183	203,696	212,699	213,436	208,857	218,068
88 - 92	2,203	1,695	2,754	44,385	39,290	49,590	46,588	41,212	52,064	2,001	1,549	2,491	44,385	39,290	49,590	46,386	41,036	51,849
93 - 97	-2	-9	4	5	-11	25	3	-7	16	-2	-9	4	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: 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	1	1	1	993,650	993,281	994,009	993,651	993,282	994,010	1	0	1	993,650	993,281	994,009	993,651	993,282	994,010
23 - 27	13	10	15	988,756	988,189	989,305	988,769	988,201	989,318	12	10	14	988,756	988,189	989,305	988,768	988,200	989,317
28 - 32	73	63	84	982,030	981,252	982,794	982,103	981,330	982,863	69	59	80	982,030	981,252	982,794	982,099	981,326	982,860
33 - 37	232	201	264	972,766	971,766	973,763	972,998	972,013	973,980	221	190	251	972,766	971,766	973,763	972,986	972,001	973,969
38 - 42	543	471	615	959,978	958,732	961,234	960,521	959,315	961,735	516	446	585	959,978	958,732	961,234	960,493	959,287	961,709
43 - 47	1,057	919	1,195	942,285	940,758	943,830	943,343	941,892	944,797	1,003	869	1,135	942,285	940,758	943,830	943,288	941,836	944,746
48 - 52	1,828	1,590	2,065	917,749	915,866	919,636	919,577	917,877	921,301	1,729	1,501	1,958	917,749	915,866	919,636	919,478	917,770	921,207
53 - 57	2,878	2,502	3,253	883,638	881,326	885,956	886,517	884,507	888,565	2,715	2,354	3,073	883,638	881,326	885,956	886,353	884,331	888,410
58 - 62	4,170	3,625	4,711	836,133	833,339	838,900	840,302	837,969	842,663	3,915	3,395	4,434	836,133	833,339	838,900	840,048	837,696	842,426
63 - 67	5,573	4,847	6,300	769,998	766,689	773,230	775,571	772,885	778,209	5,202	4,511	5,898	769,998	766,689	773,230	775,199	772,486	777,867
68 - 72	6,824	5,938	7,723	678,494	674,893	682,007	685,318	682,456	688,128	6,318	5,481	7,170	678,494	674,893	682,007	684,812	681,915	687,651
73 - 77	7,504	6,534	8,494	554,326	550,744	557,788	561,831	559,033	564,596	6,874	5,963	7,810	554,326	550,744	557,788	561,201	558,365	563,990
78 - 82	7,091	6,173	8,044	393,784	390,324	397,173	400,875	397,778	403,941	6,405	5,553	7,291	393,784	390,324	397,173	400,189	397,083	403,259
83 - 87	5,182	4,466	5,929	208,183	203,696	212,699	213,365	208,800	217,971	4,600	3,954	5,278	208,183	203,696	212,699	212,783	208,249	217,378
88 - 92	2,065	1,593	2,572	44,385	39,290	49,590	46,450	41,099	51,904	1,802	1,402	2,231	44,385	39,290	49,590	46,187	40,886	51,613
93 - 97	-2	-9	4	5	-11	25	3	-7	16	-2	-9	4	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 E3.15, 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	12	10	14	988,756	988,189	989,305	988,768	988,201	989,317	12	10	13	988,756	988,189	989,305	988,768	988,200	989,317
28 - 32	74	65	84	982,030	981,252	982,794	982,104	981,331	982,865	71	62	81	982,030	981,252	982,794	982,101	981,327	982,862
33 - 37	237	207	267	972,766	971,766	973,763	973,003	972,018	973,986	227	198	256	972,766	971,766	973,763	972,992	972,008	973,976
38 - 42	554	485	624	959,978	958,732	961,234	960,532	959,326	961,747	529	462	596	959,978	958,732	961,234	960,507	959,300	961,723
43 - 47	1,080	945	1,214	942,285	940,758	943,830	943,365	941,914	944,822	1,029	899	1,158	942,285	940,758	943,830	943,314	941,862	944,775
48 - 52	1,866	1,633	2,098	917,749	915,866	919,636	919,615	917,912	921,344	1,773	1,549	1,997	917,749	915,866	919,636	919,522	917,811	921,256
53 - 57	2,938	2,567	3,307	883,638	881,326	885,956	886,576	884,563	888,627	2,782	2,427	3,135	883,638	881,326	885,956	886,420	884,394	888,480
58 - 62	4,255	3,716	4,790	836,133	833,339	838,900	840,387	838,047	842,755	4,011	3,497	4,522	836,133	833,339	838,900	840,144	837,786	842,527
63 - 67	5,685	4,966	6,404	769,998	766,689	773,230	775,683	772,991	778,330	5,328	4,647	6,013	769,998	766,689	773,230	775,326	772,606	778,001
68 - 72	6,959	6,080	7,848	678,494	674,893	682,007	685,453	682,585	688,269	6,470	5,642	7,312	678,494	674,893	682,007	684,964	682,058	687,811
73 - 77	7,646	6,682	8,627	554,326	550,744	557,788	561,972	559,168	564,747	7,034	6,132	7,962	554,326	550,744	557,788	561,360	558,518	564,157
78 - 82	7,211	6,296	8,160	393,784	390,324	397,173	400,994	397,889	404,067	6,541	5,693	7,423	393,784	390,324	397,173	400,324	397,219	403,401
83 - 87	5,247	4,531	5,997	208,183	203,696	212,699	213,430	208,863	218,041	4,673	4,026	5,352	208,183	203,696	212,699	212,856	208,316	217,459
88 - 92	2,066	1,595	2,574	44,385	39,290	49,590	46,451	41,100	51,909	1,803	1,402	2,233	44,385	39,290	49,590	46,188	40,887	51,619
93 - 97	-2	-9	4	5	-11	25	3	-7	16	-2	-9	4	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 E3.15, 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	37	32	41	982,030	981,252	982,794	982,067	981,291	982,830	35	31	40	982,030	981,252	982,794	982,065	981,290	982,828
33 - 37	159	139	178	972,766	971,766	973,763	972,924	971,936	973,913	152	133	170	972,766	971,766	973,763	972,917	971,929	973,906
38 - 42	417	366	467	959,978	958,732	961,234	960,395	959,179	961,622	398	350	447	959,978	958,732	961,234	960,376	959,160	961,604
43 - 47	863	757	968	942,285	940,758	943,830	943,148	941,680	944,625	823	721	924	942,285	940,758	943,830	943,109	941,638	944,586
48 - 52	1,548	1,357	1,738	917,749	915,866	919,636	919,297	917,553	921,059	1,473	1,290	1,656	917,749	915,866	919,636	919,222	917,473	920,987
53 - 57	2,499	2,191	2,807	883,638	881,326	885,956	886,138	884,077	888,228	2,370	2,075	2,665	883,638	881,326	885,956	886,009	883,936	888,106
58 - 62	3,680	3,219	4,137	836,133	833,339	838,900	839,813	837,402	842,239	3,475	3,036	3,912	836,133	833,339	838,900	839,608	837,185	842,050
63 - 67	4,970	4,352	5,592	769,998	766,689	773,230	774,968	772,194	777,695	4,667	4,079	5,262	769,998	766,689	773,230	774,665	771,873	777,417
68 - 72	6,120	5,356	6,898	678,494	674,893	682,007	684,614	681,654	687,523	5,703	4,983	6,439	678,494	674,893	682,007	684,197	681,203	687,138
73 - 77	6,735	5,882	7,600	554,326	550,744	557,788	561,062	558,172	563,919	6,212	5,417	7,023	554,326	550,744	557,788	560,538	557,629	563,431
78 - 82	6,332	5,528	7,172	393,784	390,324	397,173	400,115	396,979	403,224	5,758	5,012	6,537	393,784	390,324	397,173	399,542	396,393	402,645
83 - 87	4,562	3,942	5,226	208,183	203,696	212,699	212,745	208,190	217,359	4,072	3,509	4,674	208,183	203,696	212,699	212,255	207,732	216,842
88 - 92	1,759	1,362	2,190	44,385	39,290	49,590	46,144	40,832	51,565	1,535	1,195	1,904	44,385	39,290	49,590	45,920	40,624	51,308
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': 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	43	38	49	972,766	971,766	973,763	972,809	971,812	973,803	41	36	46	972,766	971,766	973,763	972,807	971,811	973,801
38 - 42	173	152	195	959,978	958,732	961,234	960,151	958,918	961,395	166	145	187	959,978	958,732	961,234	960,144	958,910	961,387
43 - 47	435	381	490	942,285	940,758	943,830	942,720	941,223	944,229	415	363	468	942,285	940,758	943,830	942,701	941,202	944,211
48 - 52	875	767	987	917,749	915,866	919,636	918,624	916,823	920,434	834	729	940	917,749	915,866	919,636	918,583	916,778	920,394
53 - 57	1,522	1,331	1,716	883,638	881,326	885,956	885,160	883,000	887,328	1,446	1,263	1,631	883,638	881,326	885,956	885,084	882,921	887,258
58 - 62	2,353	2,056	2,653	836,133	833,339	838,900	838,485	835,946	841,029	2,226	1,944	2,513	836,133	833,339	838,900	838,359	835,808	840,914
63 - 67	3,279	2,867	3,700	769,998	766,689	773,230	773,276	770,343	776,177	3,087	2,695	3,488	769,998	766,689	773,230	773,085	770,131	775,997
68 - 72	4,112	3,589	4,651	678,494	674,893	682,007	682,606	679,445	685,704	3,844	3,353	4,352	678,494	674,893	682,007	682,339	679,162	685,454
73 - 77	4,558	3,975	5,168	554,326	550,744	557,788	558,885	555,800	561,942	4,220	3,673	4,791	554,326	550,744	557,788	558,546	555,432	561,627
78 - 82	4,266	3,707	4,859	393,784	390,324	397,173	398,049	394,826	401,206	3,896	3,383	4,448	393,784	390,324	397,173	397,680	394,448	400,848
83 - 87	3,017	2,591	3,477	208,183	203,696	212,699	211,201	206,655	215,763	2,705	2,319	3,121	208,183	203,696	212,699	210,888	206,349	215,439
88 - 92	1,119	863	1,398	44,385	39,290	49,590	45,504	40,258	50,843	978	760	1,214	44,385	39,290	49,590	45,363	40,129	50,676
93 - 97	-1	-7	3	5	-11	25	4	-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 E3.15, 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	37	32	41	959,978	958,732	961,234	960,014	958,771	961,267	35	31	40	959,978	958,732	961,234	960,013	958,770	961,265
43 - 47	147	128	165	942,285	940,758	943,830	942,432	940,917	943,968	140	122	158	942,285	940,758	943,830	942,425	940,909	943,962
48 - 52	373	326	421	917,749	915,866	919,636	918,122	916,274	919,974	355	310	401	917,749	915,866	919,636	918,104	916,254	919,958
53 - 57	746	651	842	883,638	881,326	885,956	884,384	882,152	886,613	709	618	801	883,638	881,326	885,956	884,347	882,110	886,579
58 - 62	1,255	1,095	1,419	836,133	833,339	838,900	837,388	834,726	840,036	1,189	1,037	1,345	836,133	833,339	838,900	837,322	834,652	839,978
63 - 67	1,848	1,613	2,089	769,998	766,689	773,230	771,846	768,753	774,881	1,743	1,520	1,972	769,998	766,689	773,230	771,741	768,633	774,786
68 - 72	2,399	2,093	2,716	678,494	674,893	682,007	680,893	677,551	684,157	2,249	1,959	2,549	678,494	674,893	682,007	680,743	677,379	684,018
73 - 77	2,710	2,361	3,078	554,326	550,744	557,788	557,036	553,742	560,234	2,518	2,191	2,863	554,326	550,744	557,788	556,845	553,536	560,055
78 - 82	2,550	2,213	2,912	393,784	390,324	397,173	396,333	393,029	399,577	2,341	2,028	2,678	393,784	390,324	397,173	396,125	392,803	399,373
83 - 87	1,791	1,532	2,068	208,183	203,696	212,699	209,974	205,450	214,520	1,617	1,383	1,870	208,183	203,696	212,699	209,800	205,288	214,343
88 - 92	654	506	815	44,385	39,290	49,590	45,039	39,830	50,333	577	449	716	44,385	39,290	49,590	44,962	39,757	50,238
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 E3.15, 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	32	28	36	942,285	940,758	943,830	942,317	940,793	943,860	30	26	34	942,285	940,758	943,830	942,316	940,791	943,858
48 - 52	136	119	154	917,749	915,866	919,636	917,885	916,013	919,761	129	113	146	917,749	915,866	919,636	917,878	916,006	919,755
53 - 57	344	300	389	883,638	881,326	885,956	883,982	881,710	886,259	327	284	370	883,638	881,326	885,956	883,965	881,692	886,243
58 - 62	655	571	742	836,133	833,339	838,900	836,788	834,059	839,497	621	541	704	836,133	833,339	838,900	836,754	834,021	839,466
63 - 67	1,040	907	1,177	769,998	766,689	773,230	771,038	767,834	774,159	982	856	1,114	769,998	766,689	773,230	770,980	767,772	774,107
68 - 72	1,414	1,233	1,605	678,494	674,893	682,007	679,908	676,468	683,265	1,329	1,157	1,510	678,494	674,893	682,007	679,823	676,368	683,192
73 - 77	1,642	1,427	1,868	554,326	550,744	557,788	555,968	552,558	559,271	1,531	1,330	1,746	554,326	550,744	557,788	555,858	552,440	559,170
78 - 82	1,564	1,353	1,789	393,784	390,324	397,173	395,348	391,976	398,640	1,444	1,247	1,655	393,784	390,324	397,173	395,227	391,854	398,526
83 - 87	1,098	936	1,272	208,183	203,696	212,699	209,281	204,777	213,823	998	850	1,157	208,183	203,696	212,699	209,181	204,676	213,722
88 - 92	397	307	495	44,385	39,290	49,590	44,781	39,614	50,028	353	275	439	44,385	39,290	49,590	44,738	39,573	49,978
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 E3.15, 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	39	34	44	917,749	915,866	919,636	917,788	915,910	919,673	37	32	42	917,749	915,866	919,636	917,786	915,908	919,671
53 - 57	149	130	169	883,638	881,326	885,956	883,787	881,490	886,085	143	124	162	883,638	881,326	885,956	883,781	881,483	886,079
58 - 62	337	294	382	836,133	833,339	838,900	836,470	833,701	839,203	322	281	365	836,133	833,339	838,900	836,455	833,684	839,190
63 - 67	589	513	668	769,998	766,689	773,230	770,587	767,335	773,751	562	489	637	769,998	766,689	773,230	770,560	767,305	773,725
68 - 72	850	741	966	678,494	674,893	682,007	679,345	675,831	682,774	807	702	917	678,494	674,893	682,007	679,301	675,787	682,735
73 - 77	1,025	890	1,169	554,326	550,744	557,788	555,352	551,874	558,706	967	840	1,104	554,326	550,744	557,788	555,294	551,813	558,655
78 - 82	999	864	1,145	393,784	390,324	397,173	394,783	391,379	398,109	935	808	1,073	393,784	390,324	397,173	394,719	391,314	398,048
83 - 87	708	603	822	208,183	203,696	212,699	208,891	204,403	213,434	655	558	761	208,183	203,696	212,699	208,839	204,348	213,376
88 - 92	256	198	320	44,385	39,290	49,590	44,641	39,500	49,870	234	182	291	44,385	39,290	49,590	44,619	39,484	49,844
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': 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	33	29	38	883,638	881,326	885,956	883,672	881,360	885,986	32	28	36	883,638	881,326	885,956	883,670	881,359	885,985
58 - 62	114	99	129	836,133	833,339	838,900	836,246	833,459	839,003	109	95	124	836,133	833,339	838,900	836,242	833,454	838,998
63 - 67	242	211	275	769,998	766,689	773,230	770,240	766,957	773,443	231	201	263	769,998	766,689	773,230	770,229	766,944	773,434
68 - 72	392	341	446	678,494	674,893	682,007	678,886	675,326	682,360	373	324	425	678,494	674,893	682,007	678,867	675,304	682,342
73 - 77	508	440	580	554,326	550,744	557,788	554,834	551,306	558,243	481	416	550	554,326	550,744	557,788	554,807	551,276	558,219
78 - 82	516	445	593	393,784	390,324	397,173	394,300	390,870	397,652	485	418	558	393,784	390,324	397,173	394,269	390,836	397,624
83 - 87	373	317	435	208,183	203,696	212,699	208,556	204,056	213,093	348	295	405	208,183	203,696	212,699	208,531	204,031	213,063
88 - 92	135	104	170	44,385	39,290	49,590	44,520	39,405	49,743	124	96	155	44,385	39,290	49,590	44,509	39,395	49,734
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': 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	18	16	20	836,133	833,339	838,900	836,151	833,358	838,915	17	15	19	836,133	833,339	838,900	836,150	833,357	838,914
63 - 67	66	58	76	769,998	766,689	773,230	770,064	766,763	773,292	64	55	72	769,998	766,689	773,230	770,061	766,760	773,289
68 - 72	140	121	159	678,494	674,893	682,007	678,634	675,045	682,134	133	115	152	678,494	674,893	682,007	678,627	675,038	682,127
73 - 77	210	181	241	554,326	550,744	557,788	554,536	550,976	557,977	199	172	228	554,326	550,744	557,788	554,525	550,965	557,966
78 - 82	233	200	269	393,784	390,324	397,173	394,017	390,569	397,391	220	188	254	393,784	390,324	397,173	394,003	390,556	397,378
83 - 87	177	149	207	208,183	203,696	212,699	208,360	203,869	212,889	165	140	194	208,183	203,696	212,699	208,348	203,858	212,877
88 - 92	65	50	82	44,385	39,290	49,590	44,450	39,343	49,668	60	46	76	44,385	39,290	49,590	44,445	39,340	49,662
93 - 97	-1	-3	1	5	-11	25	4	-10	22	-1	-3	1	5	-11	25	4	-10	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': 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	18	16	21	769,998	766,689	773,230	770,016	766,710	773,247	17	15	20	769,998	766,689	773,230	770,015	766,709	773,246
68 - 72	58	50	67	678,494	674,893	682,007	678,552	674,956	682,059	55	48	63	678,494	674,893	682,007	678,550	674,952	682,057
73 - 77	106	91	122	554,326	550,744	557,788	554,432	550,861	557,882	100	86	115	554,326	550,744	557,788	554,427	550,855	557,878
78 - 82	130	111	151	393,784	390,324	397,173	393,914	390,455	397,295	123	105	143	393,784	390,324	397,173	393,907	390,446	397,289
83 - 87	105	88	123	208,183	203,696	212,699	208,288	203,801	212,812	98	82	115	208,183	203,696	212,699	208,281	203,795	212,805
88 - 92	39	30	50	44,385	39,290	49,590	44,424	39,323	49,638	37	28	47	44,385	39,290	49,590	44,422	39,321	49,634
93 - 97	-1	-2	1	5	-11	25	4	-10	23	-1	-2	1	5	-11	25	4	-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	13	11	15	678,494	674,893	682,007	678,507	674,906	682,018	12	11	14	678,494	674,893	682,007	678,507	674,906	682,018
73 - 77	38	33	44	554,326	550,744	557,788	554,365	550,786	557,821	37	31	42	554,326	550,744	557,788	554,363	550,784	557,820
78 - 82	59	50	68	393,784	390,324	397,173	393,842	390,381	397,229	56	48	65	393,784	390,324	397,173	393,840	390,378	397,226
83 - 87	53	44	63	208,183	203,696	212,699	208,236	203,752	212,756	50	42	59	208,183	203,696	212,699	208,233	203,749	212,753
88 - 92	21	16	27	44,385	39,290	49,590	44,406	39,308	49,616	20	15	26	44,385	39,290	49,590	44,405	39,307	49,614
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 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	2	988,767	988,769	1	988,767	988,768
28 - 32	8	982,095	982,103	8	982,091	982,099
33 - 37	30	972,968	972,998	29	972,957	972,986
38 - 42	74	960,447	960,521	71	960,422	960,493
43 - 47	153	943,190	943,343	148	943,140	943,288
48 - 52	273	919,304	919,577	264	919,214	919,478
53 - 57	437	886,080	886,517	421	885,932	886,353
58 - 62	637	839,665	840,302	614	839,434	840,048
63 - 67	858	774,713	775,571	822	774,377	775,199
68 - 72	1,056	684,262	685,318	1,008	683,804	684,812
73 - 77	1,165	560,666	561,831	1,105	560,096	561,201
78 - 82	1,101	399,774	400,875	1,035	399,154	400,189
83 - 87	799	212,566	213,365	743	212,040	212,783
88 - 92	309	46,141	46,450	282	45,905	46,187
93 - 97	0	3	3	0	3	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	2	988,764	988,766	1	988,764	988,765
28 - 32	9	982,088	982,097	8	982,085	982,093
33 - 37	30	972,957	972,987	29	972,947	972,976
38 - 42	75	960,429	960,504	72	960,405	960,477
43 - 47	154	943,166	943,320	149	943,117	943,266
48 - 52	275	919,272	919,547	265	919,185	919,450
53 - 57	439	886,043	886,482	424	885,897	886,321
58 - 62	641	839,624	840,265	618	839,396	840,014
63 - 67	863	774,674	775,537	829	774,342	775,171
68 - 72	1,064	684,233	685,297	1,015	683,781	684,796
73 - 77	1,174	560,658	561,832	1,113	560,094	561,207
78 - 82	1,108	399,797	400,905	1,042	399,181	400,223
83 - 87	805	212,614	213,419	748	212,090	212,838
88 - 92	311	46,185	46,496	285	45,948	46,233
93 - 97	0	3	3	0	3	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	1	988,755	988,756	1	988,755	988,756
28 - 32	8	982,020	982,028	8	982,020	982,028
33 - 37	32	972,728	972,760	31	972,727	972,758
38 - 42	83	959,881	959,964	80	959,879	959,959
43 - 47	175	942,080	942,255	169	942,075	942,244
48 - 52	319	917,371	917,690	308	917,361	917,669
53 - 57	520	883,017	883,537	502	882,999	883,501
58 - 62	772	835,200	835,972	743	835,171	835,914
63 - 67	1,050	768,708	769,758	1,008	768,664	769,672
68 - 72	1,303	676,857	678,160	1,245	676,797	678,042
73 - 77	1,445	552,457	553,902	1,370	552,382	553,752
78 - 82	1,366	391,944	393,310	1,285	391,861	393,146
83 - 87	990	206,779	207,769	920	206,708	207,628
88 - 92	380	43,808	44,188	348	43,775	44,123
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	1	988,753	988,754	1	988,752	988,753
28 - 32	8	982,012	982,020	9	982,010	982,019
33 - 37	32	972,706	972,738	31	972,704	972,735
38 - 42	82	959,836	959,918	80	959,830	959,910
43 - 47	175	941,999	942,174	169	941,988	942,157
48 - 52	318	917,241	917,559	308	917,221	917,529
53 - 57	520	882,823	883,343	502	882,791	883,293
58 - 62	771	834,934	835,705	742	834,885	835,627
63 - 67	1,049	768,372	769,421	1,006	768,302	769,308
68 - 72	1,301	676,478	677,779	1,243	676,384	677,627
73 - 77	1,443	552,092	553,535	1,369	551,979	553,348
78 - 82	1,365	391,685	393,050	1,283	391,568	392,851
83 - 87	987	206,711	207,698	918	206,618	207,536
88 - 92	380	43,897	44,277	348	43,861	44,209
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	1	988,754	988,755	2	988,753	988,755
28 - 32	8	982,019	982,027	9	982,017	982,026
33 - 37	32	972,728	972,760	31	972,725	972,756
38 - 42	81	959,889	959,970	79	959,881	959,960
43 - 47	172	942,106	942,278	166	942,092	942,258
48 - 52	313	917,434	917,747	302	917,408	917,710
53 - 57	509	883,141	883,650	491	883,098	883,589
58 - 62	752	835,415	836,167	725	835,347	836,072
63 - 67	1,023	769,039	770,062	981	768,942	769,923
68 - 72	1,268	677,321	678,589	1,211	677,190	678,401
73 - 77	1,404	553,042	554,446	1,332	552,881	554,213
78 - 82	1,327	392,593	393,920	1,249	392,422	393,671
83 - 87	961	207,370	208,331	893	207,232	208,125
88 - 92	370	44,150	44,520	339	44,093	44,432
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	1	988,755	988,756	1	988,755	988,756
28 - 32	8	982,026	982,034	8	982,024	982,032
33 - 37	32	972,750	972,782	31	972,746	972,777
38 - 42	80	959,941	960,021	77	959,932	960,009
43 - 47	169	942,212	942,381	163	942,194	942,357
48 - 52	307	917,625	917,932	297	917,592	917,889
53 - 57	498	883,454	883,952	481	883,400	883,881
58 - 62	736	835,886	836,622	709	835,801	836,510
63 - 67	998	769,693	770,691	957	769,569	770,526
68 - 72	1,235	678,147	679,382	1,179	677,978	679,157
73 - 77	1,366	553,970	555,336	1,296	553,762	555,058
78 - 82	1,291	393,479	394,770	1,214	393,256	394,470
83 - 87	935	208,014	208,949	868	207,831	208,699
88 - 92	360	44,397	44,757	329	44,320	44,649
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	988,756	988,758	1	988,756	988,757
28 - 32	8	982,033	982,041	8	982,031	982,039
33 - 37	31	972,772	972,803	30	972,767	972,797
38 - 42	79	959,993	960,072	77	959,982	960,059
43 - 47	166	942,317	942,483	161	942,295	942,456
48 - 52	301	917,813	918,114	292	917,774	918,066
53 - 57	488	883,762	884,250	471	883,697	884,168
58 - 62	719	836,349	837,068	692	836,247	836,939
63 - 67	973	770,334	771,307	934	770,183	771,117
68 - 72	1,203	678,954	680,157	1,148	678,749	679,897
73 - 77	1,328	554,877	556,205	1,261	554,622	555,883
78 - 82	1,255	394,344	395,599	1,180	394,070	395,250
83 - 87	909	208,642	209,551	845	208,415	209,260
88 - 92	350	44,639	44,989	320	44,541	44,861
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	7	6	8	994,175	993,819	994,511	994,182	993,826	994,517	6	5	8	994,175	993,819	994,511	994,181	993,826	994,517
28 - 32	40	34	46	990,793	990,308	991,256	990,833	990,352	991,293	38	33	44	990,793	990,308	991,256	990,831	990,350	991,291
33 - 37	128	111	146	986,111	985,492	986,712	986,239	985,629	986,831	122	105	139	986,111	985,492	986,712	986,233	985,622	986,824
38 - 42	305	264	346	979,521	978,754	980,281	979,826	979,079	980,565	290	251	330	979,521	978,754	980,281	979,811	979,063	980,550
43 - 47	611	531	692	970,094	969,141	971,029	970,704	969,804	971,596	580	502	658	970,094	969,141	971,029	970,673	969,771	971,566
48 - 52	1,099	956	1,244	956,369	955,198	957,540	957,469	956,389	958,539	1,041	903	1,180	956,369	955,198	957,540	957,411	956,325	958,486
53 - 57	1,827	1,589	2,067	936,029	934,569	937,506	937,857	936,565	939,155	1,726	1,497	1,956	936,029	934,569	937,506	937,755	936,455	939,060
58 - 62	2,834	2,465	3,207	905,333	903,479	907,243	908,168	906,619	909,761	2,666	2,312	3,023	905,333	903,479	907,243	907,999	906,437	909,607
63 - 67	4,115	3,580	4,662	858,218	855,797	860,609	862,334	860,411	864,286	3,849	3,339	4,370	858,218	855,797	860,609	862,067	860,120	864,041
68 - 72	5,544	4,823	6,280	784,991	782,039	787,940	790,534	788,224	792,863	5,145	4,463	5,848	784,991	782,039	787,940	790,136	787,798	792,496
73 - 77	6,744	5,865	7,655	671,075	667,696	674,396	677,819	675,170	680,387	6,193	5,366	7,054	671,075	667,696	674,396	677,268	674,589	679,874
78 - 82	6,933	6,014	7,899	498,612	495,053	502,115	505,545	502,525	508,511	6,272	5,421	7,176	498,612	495,053	502,115	504,883	501,850	507,870
83 - 87	4,995	4,209	5,831	261,599	256,994	266,145	266,594	261,888	271,297	4,419	3,708	5,174	261,599	256,994	266,145	266,019	261,332	270,675
88 - 92	799	199	1,410	20,927	15,029	26,772	21,726	15,386	27,933	677	168	1,194	20,927	15,029	26,772	21,604	15,335	27,754
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	5	4	6	994,175	993,819	994,511	994,180	993,825	994,516	5	4	6	994,175	993,819	994,511	994,180	993,824	994,516
28 - 32	37	31	42	990,793	990,308	991,256	990,830	990,348	991,290	35	30	40	990,793	990,308	991,256	990,828	990,346	991,288
33 - 37	122	106	139	986,111	985,492	986,712	986,233	985,622	986,825	116	100	133	986,111	985,492	986,712	986,227	985,616	986,819
38 - 42	296	256	336	979,521	978,754	980,281	979,817	979,069	980,556	281	243	320	979,521	978,754	980,281	979,802	979,054	980,542
43 - 47	597	519	677	970,094	969,141	971,029	970,691	969,790	971,583	567	491	644	970,094	969,141	971,029	970,661	969,757	971,554
48 - 52	1,081	940	1,224	956,369	955,198	957,540	957,451	956,369	958,523	1,024	888	1,161	956,369	955,198	957,540	957,394	956,306	958,471
53 - 57	1,805	1,569	2,041	936,029	934,569	937,506	937,834	936,539	939,136	1,705	1,479	1,931	936,029	934,569	937,506	937,734	936,431	939,041
58 - 62	2,808	2,442	3,176	905,333	903,479	907,243	908,141	906,590	909,737	2,642	2,291	2,995	905,333	903,479	907,243	907,975	906,411	909,585
63 - 67	4,087	3,554	4,628	858,218	855,797	860,609	862,306	860,376	864,264	3,824	3,318	4,341	858,218	855,797	860,609	862,043	860,089	864,020
68 - 72	5,519	4,803	6,251	784,991	782,039	787,940	790,509	788,193	792,842	5,125	4,445	5,821	784,991	782,039	787,940	790,115	787,772	792,482
73 - 77	6,730	5,855	7,638	671,075	667,696	674,396	677,805	675,151	680,377	6,184	5,360	7,041	671,075	667,696	674,396	677,259	674,573	679,864
78 - 82	6,938	6,020	7,902	498,612	495,053	502,115	505,550	502,524	508,517	6,281	5,431	7,182	498,612	495,053	502,115	504,893	501,854	507,885
83 - 87	5,017	4,221	5,861	261,599	256,994	266,145	266,617	261,904	271,320	4,445	3,726	5,209	261,599	256,994	266,145	266,044	261,355	270,716
88 - 92	812	195	1,440	20,927	15,029	26,772	21,739	15,395	27,953	689	163	1,223	20,927	15,029	26,772	21,617	15,347	27,776
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	-1	-2	-1	994,175	993,819	994,511	994,173	993,817	994,510
28 - 32	-5	-5	-5	990,793	990,308	991,256	990,788	990,303	991,251	-6	-6	-6	990,793	990,308	991,256	990,787	990,302	991,250
33 - 37	-15	-15	-14	986,111	985,492	986,712	986,096	985,477	986,697	-17	-18	-16	986,111	985,492	986,712	986,094	985,475	986,695
38 - 42	-33	-34	-31	979,521	978,754	980,281	979,489	978,720	980,249	-37	-39	-36	979,521	978,754	980,281	979,484	978,715	980,244
43 - 47	-64	-66	-61	970,094	969,141	971,029	970,030	969,078	970,966	-73	-76	-70	970,094	969,141	971,029	970,020	969,068	970,957
48 - 52	-112	-116	-108	956,369	955,198	957,540	956,257	955,085	957,428	-130	-136	-125	956,369	955,198	957,540	956,239	955,066	957,411
53 - 57	-186	-192	-179	936,029	934,569	937,506	935,844	934,382	937,319	-217	-226	-209	936,029	934,569	937,506	935,812	934,349	937,289
58 - 62	-289	-300	-279	905,333	903,479	907,243	905,044	903,187	906,955	-341	-356	-327	905,333	903,479	907,243	904,992	903,132	906,903
63 - 67	-428	-444	-412	858,218	855,797	860,609	857,790	855,370	860,182	-510	-533	-487	858,218	855,797	860,609	857,708	855,279	860,106
68 - 72	-594	-619	-570	784,991	782,039	787,940	784,397	781,446	787,351	-716	-752	-682	784,991	782,039	787,940	784,275	781,313	787,234
73 - 77	-753	-791	-718	671,075	667,696	674,396	670,322	666,929	673,648	-919	-972	-870	671,075	667,696	674,396	670,156	666,761	673,486
78 - 82	-815	-865	-768	498,612	495,053	502,115	497,797	494,235	501,302	-1,011	-1,081	-946	498,612	495,053	502,115	497,601	494,044	501,106
83 - 87	-619	-674	-569	261,599	256,994	266,145	260,980	256,376	265,508	-786	-862	-717	261,599	256,994	266,145	260,814	256,215	265,346
88 - 92	-89	-132	-50	20,927	15,029	26,772	20,839	14,971	26,661	-122	-188	-62	20,927	15,029	26,772	20,806	14,953	26,615
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	0	994,175	993,819	994,511	994,174	993,818	994,511	-1	-1	-1	994,175	993,819	994,511	994,174	993,818	994,510
28 - 32	-1	-2	-1	990,793	990,308	991,256	990,792	990,307	991,255	-2	-3	-2	990,793	990,308	991,256	990,791	990,306	991,254
33 - 37	-3	-4	-1	986,111	985,492	986,712	986,108	985,489	986,708	-5	-7	-4	986,111	985,492	986,712	986,105	985,486	986,706
38 - 42	-4	-8	0	979,521	978,754	980,281	979,517	978,753	980,276	-9	-13	-6	979,521	978,754	980,281	979,512	978,747	980,270
43 - 47	-3	-11	4	970,094	969,141	971,029	970,090	969,143	971,024	-15	-22	-8	970,094	969,141	971,029	970,079	969,130	971,012
48 - 52	1	-13	15	956,369	955,198	957,540	956,370	955,207	957,532	-21	-34	-8	956,369	955,198	957,540	956,348	955,185	957,512
53 - 57	10	-13	34	936,029	934,569	937,506	936,040	934,596	937,496	-28	-49	-6	936,029	934,569	937,506	936,002	934,556	937,459
58 - 62	28	-9	66	905,333	903,479	907,243	905,361	903,539	907,240	-36	-69	0	905,333	903,479	907,243	905,298	903,474	907,179
63 - 67	52	-2	109	858,218	855,797	860,609	858,270	855,903	860,619	-49	-98	4	858,218	855,797	860,609	858,169	855,796	860,525
68 - 72	76	3	156	784,991	782,039	787,940	785,067	782,182	787,939	-74	-142	-2	784,991	782,039	787,940	784,916	782,031	787,802
73 - 77	87	-3	184	671,075	667,696	674,396	671,162	667,859	674,409	-120	-202	-32	671,075	667,696	674,396	670,955	667,638	674,210
78 - 82	66	-28	167	498,612	495,053	502,115	498,678	495,190	502,123	-180	-265	-88	498,612	495,053	502,115	498,432	494,943	501,884
83 - 87	20	-59	103	261,599	256,994	266,145	261,619	257,016	266,164	-191	-261	-117	261,599	256,994	266,145	261,409	256,814	265,951
88 - 92	10	-36	58	20,927	15,029	26,772	20,937	15,009	26,792	-32	-63	0	20,927	15,029	26,772	20,895	14,992	26,736
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	994,175	993,819	994,511
28 - 32	2	1	4	990,793	990,308	991,256	990,796	990,311	991,258	1	0	2	990,793	990,308	991,256	990,795	990,310	991,257
33 - 37	9	6	12	986,111	985,492	986,712	986,120	985,501	986,719	6	3	9	986,111	985,492	986,712	986,117	985,498	986,716
38 - 42	25	18	32	979,521	978,754	980,281	979,546	978,782	980,302	18	12	25	979,521	978,754	980,281	979,540	978,775	980,296
43 - 47	56	42	71	970,094	969,141	971,029	970,150	969,205	971,079	43	29	57	970,094	969,141	971,029	970,136	969,191	971,066
48 - 52	112	85	139	956,369	955,198	957,540	956,481	955,327	957,634	87	62	112	956,369	955,198	957,540	956,456	955,301	957,609
53 - 57	203	157	250	936,029	934,569	937,506	936,232	934,806	937,672	158	115	203	936,029	934,569	937,506	936,188	934,758	937,631
58 - 62	339	266	415	905,333	903,479	907,243	905,672	903,884	907,519	264	196	336	905,333	903,479	907,243	905,598	903,803	907,447
63 - 67	522	413	635	858,218	855,797	860,609	858,740	856,420	861,052	402	302	510	858,218	855,797	860,609	858,620	856,295	860,940
68 - 72	731	581	890	784,991	782,039	787,940	785,722	782,914	788,527	552	414	700	784,991	782,039	787,940	785,543	782,721	788,356
73 - 77	906	722	1,103	671,075	667,696	674,396	671,981	668,773	675,147	659	490	841	671,075	667,696	674,396	671,734	668,510	674,921
78 - 82	924	730	1,134	498,612	495,053	502,115	499,536	496,115	502,911	629	455	818	498,612	495,053	502,115	499,241	495,815	502,621
83 - 87	642	479	817	261,599	256,994	266,145	262,241	257,635	266,774	389	251	538	261,599	256,994	266,145	261,988	257,391	266,527
88 - 92	107	-6	219	20,927	15,029	26,772	21,034	15,041	26,930	55	-21	133	20,927	15,029	26,772	20,983	15,025	26,859
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	1	1	994,175	993,819	994,511	994,176	993,820	994,512	1	0	1	994,175	993,819	994,511	994,175	993,820	994,512
28 - 32	6	5	8	990,793	990,308	991,256	990,799	990,315	991,262	5	4	7	990,793	990,308	991,256	990,798	990,314	991,261
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	53	43	64	979,521	978,754	980,281	979,575	978,812	980,329	46	36	56	979,521	978,754	980,281	979,567	978,804	980,322
43 - 47	115	94	137	970,094	969,141	971,029	970,209	969,271	971,133	100	80	121	970,094	969,141	971,029	970,193	969,255	971,119
48 - 52	222	182	262	956,369	955,198	957,540	956,591	955,446	957,731	193	156	232	956,369	955,198	957,540	956,563	955,416	957,704
53 - 57	393	325	463	936,029	934,569	937,506	936,422	935,009	937,844	342	277	408	936,029	934,569	937,506	936,371	934,956	937,797
58 - 62	645	535	757	905,333	903,479	907,243	905,978	904,225	907,792	559	455	665	905,333	903,479	907,243	905,892	904,134	907,713
63 - 67	981	818	1,150	858,218	855,797	860,609	859,200	856,932	861,468	844	691	1,004	858,218	855,797	860,609	859,062	856,788	861,338
68 - 72	1,371	1,145	1,608	784,991	782,039	787,940	786,362	783,619	789,096	1,164	954	1,386	784,991	782,039	787,940	786,155	783,401	788,904
73 - 77	1,705	1,425	2,003	671,075	667,696	674,396	672,780	669,660	675,866	1,419	1,160	1,694	671,075	667,696	674,396	672,494	669,360	675,596
78 - 82	1,761	1,463	2,077	498,612	495,053	502,115	500,372	497,022	503,678	1,418	1,149	1,708	498,612	495,053	502,115	500,030	496,666	503,355
83 - 87	1,248	996	1,515	261,599	256,994	266,145	262,847	258,238	267,389	954	735	1,189	261,599	256,994	266,145	262,553	257,950	267,090
88 - 92	201	23	381	20,927	15,029	26,772	21,128	15,078	27,065	141	6	277	20,927	15,029	26,772	21,068	15,053	26,977
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	2	1	2	994,175	993,819	994,511	994,176	993,821	994,513	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	990,318	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	82	68	96	979,521	978,754	980,281	979,603	978,842	980,355	73	60	87	979,521	978,754	980,281	979,595	978,834	980,347
43 - 47	173	145	202	970,094	969,141	971,029	970,267	969,333	971,188	156	129	184	970,094	969,141	971,029	970,250	969,315	971,172
48 - 52	330	278	384	956,369	955,198	957,540	956,700	955,564	957,831	298	248	349	956,369	955,198	957,540	956,667	955,530	957,800
53 - 57	579	489	671	936,029	934,569	937,506	936,609	935,207	938,017	522	436	610	936,029	934,569	937,506	936,551	935,145	937,963
58 - 62	944	800	1,092	905,333	903,479	907,243	906,278	904,559	908,059	847	710	989	905,333	903,479	907,243	906,181	904,457	907,971
63 - 67	1,432	1,214	1,654	858,218	855,797	860,609	859,650	857,423	861,875	1,277	1,072	1,488	858,218	855,797	860,609	859,495	857,261	861,729
68 - 72	1,996	1,693	2,310	784,991	782,039	787,940	786,987	784,311	789,661	1,762	1,480	2,057	784,991	782,039	787,940	786,753	784,056	789,438
73 - 77	2,485	2,112	2,880	671,075	667,696	674,396	673,560	670,519	676,560	2,160	1,813	2,529	671,075	667,696	674,396	673,235	670,175	676,257
78 - 82	2,576	2,179	2,996	498,612	495,053	502,115	501,187	497,913	504,432	2,186	1,823	2,574	498,612	495,053	502,115	500,798	497,504	504,061
83 - 87	1,839	1,500	2,199	261,599	256,994	266,145	263,439	258,810	267,998	1,504	1,205	1,821	261,599	256,994	266,145	263,103	258,496	267,655
88 - 92	293	51	540	20,927	15,029	26,772	21,220	15,143	27,197	224	31	418	20,927	15,029	26,772	21,151	15,090	27,101
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	993,822	994,513	2	1	3	994,175	993,819	994,511	994,177	993,821	994,513
28 - 32	14	11	16	990,793	990,308	991,256	990,807	990,323	991,269	13	10	15	990,793	990,308	991,256	990,806	990,321	991,268
33 - 37	44	37	52	986,111	985,492	986,712	986,155	985,539	986,753	41	34	48	986,111	985,492	986,712	986,151	985,535	986,749
38 - 42	110	92	127	979,521	978,754	980,281	979,631	978,872	980,382	101	84	118	979,521	978,754	980,281	979,622	978,862	980,373
43 - 47	231	196	267	970,094	969,141	971,029	970,325	969,397	971,242	212	178	247	970,094	969,141	971,029	970,306	969,377	971,225
48 - 52	438	372	504	956,369	955,198	957,540	956,807	955,675	957,929	402	339	465	956,369	955,198	957,540	956,771	955,639	957,897
53 - 57	763	650	877	936,029	934,569	937,506	936,792	935,411	938,183	699	592	808	936,029	934,569	937,506	936,728	935,344	938,124
58 - 62	1,239	1,058	1,422	905,333	903,479	907,243	906,572	904,883	908,327	1,131	961	1,306	905,333	903,479	907,243	906,464	904,768	908,225
63 - 67	1,872	1,602	2,149	858,218	855,797	860,609	860,091	857,917	862,265	1,700	1,445	1,963	858,218	855,797	860,609	859,918	857,726	862,109
68 - 72	2,607	2,230	2,994	784,991	782,039	787,940	787,597	784,990	790,220	2,346	1,993	2,713	784,991	782,039	787,940	787,337	784,709	789,970
73 - 77	3,245	2,779	3,736	671,075	667,696	674,396	674,320	671,358	677,236	2,883	2,449	3,343	671,075	667,696	674,396	673,958	670,970	676,907
78 - 82	3,370	2,875	3,895	498,612	495,053	502,115	501,982	498,759	505,164	2,935	2,479	3,420	498,612	495,053	502,115	501,547	498,319	504,755
83 - 87	2,415	1,990	2,864	261,599	256,994	266,145	264,015	259,374	268,613	2,040	1,663	2,441	261,599	256,994	266,145	263,640	259,018	268,215
88 - 92	383	76	694	20,927	15,029	26,772	21,310	15,181	27,326	305	55	558	20,927	15,029	26,772	21,232	15,152	27,215
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	3	2	3	994,175	993,819	994,511	994,177	993,822	994,514
28 - 32	18	15	21	990,793	990,308	991,256	990,811	990,327	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	986,162	985,547	986,759
38 - 42	137	117	159	979,521	978,754	980,281	979,659	978,902	980,408	128	108	148	979,521	978,754	980,281	979,649	978,891	980,399
43 - 47	288	246	331	970,094	969,141	971,029	970,382	969,458	971,294	267	227	309	970,094	969,141	971,029	970,361	969,436	971,275
48 - 52	543	465	622	956,369	955,198	957,540	956,913	955,789	958,026	504	429	580	956,369	955,198	957,540	956,873	955,746	957,989
53 - 57	944	810	1,080	936,029	934,569	937,506	936,973	935,603	938,345	874	746	1,004	936,029	934,569	937,506	936,903	935,530	938,280
58 - 62	1,527	1,313	1,746	905,333	903,479	907,243	906,861	905,198	908,583	1,409	1,205	1,618	905,333	903,479	907,243	906,742	905,073	908,473
63 - 67	2,304	1,982	2,633	858,218	855,797	860,609	860,522	858,397	862,655	2,114	1,809	2,428	858,218	855,797	860,609	860,333	858,192	862,482
68 - 72	3,204	2,758	3,663	784,991	782,039	787,940	788,194	785,650	790,742	2,917	2,494	3,354	784,991	782,039	787,940	787,907	785,343	790,484
73 - 77	3,987	3,430	4,570	671,075	667,696	674,396	675,062	672,168	677,905	3,588	3,072	4,138	671,075	667,696	674,396	674,663	671,745	677,532
78 - 82	4,144	3,553	4,770	498,612	495,053	502,115	502,756	499,593	505,888	3,665	3,120	4,245	498,612	495,053	502,115	502,277	499,089	505,426
83 - 87	2,977	2,469	3,514	261,599	256,994	266,145	264,576	259,919	269,193	2,563	2,109	3,045	261,599	256,994	266,145	264,162	259,533	268,764
88 - 92	471	101	846	20,927	15,029	26,772	21,398	15,219	27,450	385	79	695	20,927	15,029	26,772	21,312	15,185	27,325
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	5	994,175	993,819	994,511	994,178	993,823	994,515	3	3	4	994,175	993,819	994,511	994,178	993,823	994,514
28 - 32	21	18	25	990,793	990,308	991,256	990,815	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	165	141	189	979,521	978,754	980,281	979,686	978,931	980,434	154	131	178	979,521	978,754	980,281	979,676	978,919	980,424
43 - 47	345	296	394	970,094	969,141	971,029	970,438	969,519	971,348	322	275	370	970,094	969,141	971,029	970,416	969,495	971,327
48 - 52	647	557	739	956,369	955,198	957,540	957,017	955,901	958,123	605	518	692	956,369	955,198	957,540	956,974	955,856	958,080
53 - 57	1,121	966	1,279	936,029	934,569	937,506	937,151	935,799	938,505	1,045	897	1,196	936,029	934,569	937,506	937,075	935,718	938,436
58 - 62	1,811	1,562	2,064	905,333	903,479	907,243	907,144	905,504	908,839	1,682	1,445	1,924	905,333	903,479	907,243	907,015	905,365	908,720
63 - 67	2,727	2,355	3,107	858,218	855,797	860,609	860,945	858,871	863,033	2,520	2,166	2,882	858,218	855,797	860,609	860,738	858,647	862,846
68 - 72	3,787	3,272	4,317	784,991	782,039	787,940	788,777	786,298	791,275	3,474	2,984	3,980	784,991	782,039	787,940	788,465	785,963	790,981
73 - 77	4,710	4,067	5,382	671,075	667,696	674,396	675,785	672,955	678,543	4,275	3,676	4,913	671,075	667,696	674,396	675,350	672,497	678,152
78 - 82	4,899	4,214	5,620	498,612	495,053	502,115	503,511	500,392	506,583	4,376	3,744	5,048	498,612	495,053	502,115	502,988	499,845	506,087
83 - 87	3,525	2,935	4,150	261,599	256,994	266,145	265,124	260,457	269,763	3,072	2,543	3,635	261,599	256,994	266,145	264,671	260,027	269,282
88 - 92	557	125	994	20,927	15,029	26,772	21,484	15,265	27,582	462	100	829	20,927	15,029	26,772	21,389	15,216	27,436
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	4	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	24	20	28	990,793	990,308	991,256	990,817	990,333	991,278
33 - 37	79	67	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	192	165	220	979,521	978,754	980,281	979,714	978,960	980,459	181	154	208	979,521	978,754	980,281	979,702	978,948	980,449
43 - 47	400	345	457	970,094	969,141	971,029	970,494	969,578	971,400	376	323	431	970,094	969,141	971,029	970,470	969,554	971,377
48 - 52	750	647	854	956,369	955,198	957,540	957,120	956,009	958,221	704	605	804	956,369	955,198	957,540	957,073	955,961	958,176
53 - 57	1,296	1,120	1,475	936,029	934,569	937,506	937,326	935,986	938,667	1,214	1,045	1,385	936,029	934,569	937,506	937,243	935,900	938,591
58 - 62	2,089	1,807	2,375	905,333	903,479	907,243	907,422	905,810	909,091	1,950	1,681	2,225	905,333	903,479	907,243	907,283	905,661	908,964
63 - 67	3,140	2,719	3,571	858,218	855,797	860,609	861,358	859,329	863,402	2,917	2,516	3,328	858,218	855,797	860,609	861,136	859,090	863,200
68 - 72	4,356	3,772	4,956	784,991	782,039	787,940	789,347	786,925	791,791	4,019	3,463	4,592	784,991	782,039	787,940	789,010	786,564	791,475
73 - 77	5,416	4,688	6,175	671,075	667,696	674,396	676,491	673,728	679,172	4,946	4,264	5,668	671,075	667,696	674,396	676,021	673,227	678,742
78 - 82	5,635	4,859	6,453	498,612	495,053	502,115	504,247	501,164	507,284	5,070	4,351	5,832	498,612	495,053	502,115	503,681	500,590	506,735
83 - 87	4,058	3,390	4,768	261,599	256,994	266,145	265,658	260,973	270,317	3,569	2,966	4,208	261,599	256,994	266,145	265,168	260,514	269,800
88 - 92	641	150	1,140	20,927	15,029	26,772	21,568	15,316	27,702	538	122	959	20,927	15,029	26,772	21,465	15,261	27,553
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	994,181	994,182	0	994,181	994,181
28 - 32	4	990,829	990,833	4	990,827	990,831
33 - 37	16	986,223	986,239	16	986,217	986,233
38 - 42	41	979,785	979,826	40	979,771	979,811
43 - 47	88	970,616	970,704	85	970,588	970,673
48 - 52	165	957,304	957,469	159	957,252	957,411
53 - 57	278	937,579	937,857	268	937,487	937,755
58 - 62	434	907,734	908,168	418	907,581	907,999
63 - 67	636	861,698	862,334	610	861,457	862,067
68 - 72	861	789,673	790,534	824	789,312	790,136
73 - 77	1,054	676,765	677,819	1,001	676,267	677,268
78 - 82	1,089	504,456	505,545	1,025	503,858	504,883
83 - 87	789	265,805	266,594	734	265,285	266,019
88 - 92	125	21,601	21,726	113	21,491	21,604
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	994,179	994,180	1	994,179	994,180
28 - 32	5	990,825	990,830	5	990,823	990,828
33 - 37	17	986,216	986,233	16	986,211	986,227
38 - 42	42	979,775	979,817	40	979,762	979,802
43 - 47	89	970,602	970,691	86	970,575	970,661
48 - 52	166	957,285	957,451	160	957,234	957,394
53 - 57	279	937,555	937,834	270	937,464	937,734
58 - 62	437	907,704	908,141	421	907,554	907,975
63 - 67	640	861,666	862,306	615	861,428	862,043
68 - 72	867	789,642	790,509	829	789,286	790,115
73 - 77	1,061	676,744	677,805	1,008	676,251	677,259
78 - 82	1,097	504,453	505,550	1,033	503,860	504,893
83 - 87	795	265,822	266,617	739	265,305	266,044
88 - 92	126	21,613	21,739	114	21,503	21,617
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	0	994,173	994,173	0	994,173	994,173
28 - 32	5	990,783	990,788	4	990,783	990,787
33 - 37	18	986,078	986,096	17	986,077	986,094
38 - 42	47	979,442	979,489	45	979,439	979,484
43 - 47	101	969,929	970,030	97	969,923	970,020
48 - 52	192	956,065	956,257	186	956,053	956,239
53 - 57	332	935,512	935,844	320	935,492	935,812
58 - 62	527	904,517	905,044	508	904,484	904,992
63 - 67	781	857,009	857,790	750	856,958	857,708
68 - 72	1,070	783,327	784,397	1,023	783,252	784,275
73 - 77	1,316	669,006	670,322	1,252	668,904	670,156
78 - 82	1,363	496,434	497,797	1,285	496,316	497,601
83 - 87	984	259,996	260,980	916	259,898	260,814
88 - 92	154	20,685	20,839	140	20,666	20,806
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	0	994,174	994,174	1	994,173	994,174
28 - 32	5	990,787	990,792	5	990,786	990,791
33 - 37	18	986,090	986,108	17	986,088	986,105
38 - 42	45	979,472	979,517	44	979,468	979,512
43 - 47	99	969,991	970,090	97	969,982	970,079
48 - 52	189	956,181	956,370	182	956,166	956,348
53 - 57	325	935,715	936,040	314	935,688	936,002
58 - 62	515	904,846	905,361	497	904,801	905,298
63 - 67	761	857,509	858,270	731	857,438	858,169
68 - 72	1,041	784,026	785,067	995	783,921	784,916
73 - 77	1,279	669,883	671,162	1,217	669,738	670,955
78 - 82	1,323	497,355	498,678	1,248	497,184	498,432
83 - 87	956	260,663	261,619	889	260,520	261,409
88 - 92	149	20,788	20,937	135	20,760	20,895
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	1	994,174	994,175	1	994,174	994,175
28 - 32	5	990,791	990,796	5	990,790	990,795
33 - 37	18	986,102	986,120	17	986,100	986,117
38 - 42	45	979,501	979,546	44	979,496	979,540
43 - 47	98	970,052	970,150	94	970,042	970,136
48 - 52	185	956,296	956,481	179	956,277	956,456
53 - 57	317	935,915	936,232	307	935,881	936,188
58 - 62	502	905,170	905,672	485	905,113	905,598
63 - 67	742	857,998	858,740	713	857,907	858,620
68 - 72	1,013	784,709	785,722	969	784,574	785,543
73 - 77	1,243	670,738	671,981	1,182	670,552	671,734
78 - 82	1,285	498,251	499,536	1,211	498,030	499,241
83 - 87	928	261,313	262,241	863	261,125	261,988
88 - 92	146	20,888	21,034	132	20,851	20,983
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	994,175	994,176	0	994,175	994,175
28 - 32	4	990,795	990,799	4	990,794	990,798
33 - 37	18	986,114	986,132	16	986,112	986,128
38 - 42	45	979,530	979,575	43	979,524	979,567
43 - 47	96	970,113	970,209	93	970,100	970,193
48 - 52	181	956,410	956,591	176	956,387	956,563
53 - 57	311	936,111	936,422	301	936,070	936,371
58 - 62	491	905,487	905,978	474	905,418	905,892
63 - 67	724	858,476	859,200	695	858,367	859,062
68 - 72	985	785,377	786,362	943	785,212	786,155
73 - 77	1,207	671,573	672,780	1,148	671,346	672,494
78 - 82	1,247	499,125	500,372	1,176	498,854	500,030
83 - 87	901	261,946	262,847	838	261,715	262,553
88 - 92	141	20,987	21,128	128	20,940	21,068
93 - 97	0	0	0	0	0	0
98 - 102	0	0	0	0	0	0

Appendix F: Explanation of 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	1.6-16.3	0.0	-715	-748	-683
				0.5	95	8	188
				1.0	887	707	1,073
				1.5	1,662	1,390	1,942
				2.0	2,420	2,057	2,793
				2.5	3,162	2,709	3,627
				3.0	3,887	3,349	4,440
				3.5	4,597	3,975	5,235
				4.0	5,291	4,586	6,014
				4.5	5,970	5,183	6,775
5.0	6,634	5,768	7,521				

^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,

$$\begin{aligned} \mu &= -715 \text{ and } \sigma = 95 \\ \mu_{95\%} &= -748 \text{ and } \sigma_{95\%} = 8 \\ \mu_{95\%} &= -683 \text{ and } \sigma_{95\%} = 188 \end{aligned}$$

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, 0.39% 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, 0.44% 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, 0.49% 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, 0.51% 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, 0.56% 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, 0.63% 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	0.39	0.44	0.49
	0.11	0.51	0.56	0.63
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, 1.21% 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 0.44%

(refer to results for Results [Table 3.4](#) in [Table F2](#)). For an ERR of 0.11, if, starting at age 18, 1.33% 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 0.56% ([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	1.21
0.11	1.33

^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 16,000 continuing smokers remained at the end of age category 68-72 years, a decrease of 30%. 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 9%. For the model combining all primary transitions with the exception of 'alternative initiation' and for the model containing only 'switching', only about 10,600 continuing smokers remained at the end of age category 68-72 years, a decrease of 54% (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 0.44% 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 4.5% 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 under 100,000 former smokers remained at the end of age category 68-72 years when 'diversion from quitting' was suspended compared to just under 90,000 former smokers when 'diversion from quitting' was modeled with transition probabilities from the 'likelihoods of use' study, a decrease of about 10%. When all transition probabilities were reduced by 75% in the master model, about 109,000 former smokers remained at the end of age category 68-72 years, the decrease in former smokers was 2.5%. 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 10% 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

			Original counterfactual scenario			Corresponding counterfactual scenario without 'switching'			Original counterfactual scenario vs. corresponding counterfactual scenario without 'switching'			
Input Table	Result Table		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	15,516	88,251	41,880	22,645	104,510	11,027	7,129	31.5	16,259	15.6
2.5b	3.1_2	Master model, 25% of transition probabilities	20,782	109,091	11,427	22,789	113,732	2,775	2,007	8.8	4,640	4.1
2.6	3.2	Master model without 'alternative initiation'	15,625	88,873	42,175	22,804	105,247	11,105	7,179	31.5	16,373	15.6
2.7	3.3	Primary transitions without 'alternative initiation'	10,598	75,453	66,767	22,804	105,247	11,105	12,206	53.5	29,794	28.3
2.8	3.4	Master model without 'alternative initiation', 0.44% 'switching'	21,774	103,683	14,413	22,804	105,247	11,105	1,030	4.5	1,564	1.5
2.10	3.6	'Switching'	10,616	84,506	58,174	22,840	116,843	0	12,224	53.5	32,336	27.7
2.15	3.11	'Switching' and 'resumed smoking'	15,651	99,106	32,418	22,840	116,843	0	7,189	31.5	17,737	15.2
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	15,516	88,251	41,416	22,645	104,510	10,909	7,129	31.5	16,259	15.6
2.5b	3.1_2	Master model, 25% of transition probabilities	20,782	109,091	11,303	22,789	113,732	2,746	2,007	8.8	4,640	4.1
2.6	3.2	Master model without 'alternative initiation'	15,625	88,873	41,708	22,804	105,247	10,989	7,179	31.5	16,373	15.6
2.7	3.3	Primary transitions without 'alternative initiation'	10,598	75,453	66,011	22,804	105,247	10,989	12,206	53.5	29,794	28.3
2.8	3.4	Master model without 'alternative initiation', 0.56% 'switching'	21,501	103,262	15,140	22,804	105,247	10,989	1,304	5.7	1,985	1.9
2.10	3.6	'Switching'	10,616	84,506	57,514	22,840	116,843	0	12,224	53.5	32,336	27.7
2.15	3.11	'Switching' and 'resumed smoking'	15,651	99,106	32,057	22,840	116,843	0	7,189	31.5	17,737	15.2
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	15,516	88,251	41,880	15,516	98,278	32,150	0	0.0	10,027	10.2
2.5b	3.1_2	Master model, 25% of transition probabilities	20,782	109,091	11,427	20,782	111,862	8,738	0	0.0	2,771	2.5
2.6	3.2	Master model without 'alternative initiation'	15,625	88,873	42,175	15,625	98,971	32,377	0	0.0	10,097	10.2
2.7	3.3	Primary transitions without 'alternative initiation'	10,598	75,453	66,767	10,598	84,389	58,100	0	0.0	8,937	10.6
2.12	3.8	'Diversion from quitting'	22,840	105,389	14,413	22,840	116,843	0	0	0.0	11,454	9.8

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	15,516	88,251	41,416	15,516	98,278	31,792	0	0.0	10,027	10.2
2.5b	3.1_2	Master model, 25% of transition probabilities	20,782	109,091	11,303	20,782	111,862	8,642	0	0.0	2,771	2.5
2.6	3.2	Master model without 'alternative initiation'	15,625	88,873	41,708	15,625	98,971	32,017	0	0.0	10,097	10.2
2.7	3.3	Primary transitions without 'alternative initiation'	10,598	75,453	66,011	10,598	84,389	57,440	0	0.0	8,937	10.6
2.12	3.8	'Diversion from quitting'	22,840	105,389	11,001	22,840	116,843	0	0	0.0	11,454	9.8

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 third 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 0.7% (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 2.9% to 14.2%, 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 1.6%-16.3%, 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 about 5,550 and 5,150 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 4,700 and 4,300 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	0.7	50	1.6-16.3	1.5-7.1	5,544	4,823	6,280
0.11	0.3	0.7	50	1.6-16.3	1.5-7.1	5,145	4,463	5,848

^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')	^(continued smoking)	^(switching)	^(diversion from quitting)
13-17	-	-	-	-	-	-
18-22	0.91	0.046	0.086	0.914	0.0458	0.045
23-27	0.905	0.071	0.163	0.913	0.0704	0.089
28-32	0.86	0.065	0.138	0.870	0.0643	0.074
33-37	0.86	0.046	0.106	0.867	0.0456	0.056
38-42	0.86	0.035	0.126	0.869	0.0346	0.067
43-47	0.86	0.037	0.058	0.864	0.0368	0.030
48-52	0.86	0.030	0.049	0.863	0.0299	0.025
53-57	0.86	0.016	0.028	0.862	0.0160	0.014
58-62	0.86	0.018	0.051	0.864	0.0179	0.026
63-67	0.86	0.015	0.024	0.862	0.0150	0.012
68-72	0.86	0.016	0.016	0.861	0.0160	0.008
73+	0.86	0.016	0.016	0.861	0.0160	0.008

^a Using the formulas for $\hat{p}(\text{continued smoking})$, $\hat{p}(\text{'switching'})$ and $\hat{p}(\text{'diversion from quitting'})$ 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	790,534	789,673	861	5,544	4,683
0.11	790,136	789,312	824	5,145	4,322

^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	0.7	50	1.6-16.3	1.5-7.1	6,824	5,544	19
0.11	0.3	0.7	50	1.6-16.3	1.5-7.1	6,318	5,145	19
50% 'relapse'								
0.08	0.3	0.7	50	1.6-16.3	1.5-7.1	5,768	4,683	19
0.11	0.3	0.7	50	1.6-16.3	1.5-7.1	5,310	4,322	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 third 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 2.9% to 14.2%, 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 1.6%-16.3%, 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 5,500 and 5,100 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 4,650 and 4,300 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	1.6-16.3	1.5-7.1	5,519	4,803 6,251
0.11	0.3	50	1.6-16.3	1.5-7.1	5,125	4,445 5,821

^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	790,509	789,642	867	5,519	4,652
0.11	790,115	789,286	829	5,125	4,296

^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	1.6-16.3	1.5-7.1	6,803	5,519	19
0.11	0.3	50	1.6-16.3	1.5-7.1	6,302	5,125	19
50% ‘relapse’							
0.08	0.3	50	1.6-16.3	1.5-7.1	5,739	4,652	19
0.11	0.3	50	1.6-16.3	1.5-7.1	5,287	4,296	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 third 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 1.6%-16.3%, 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, 1.6-16.3% 'diversion from quitting', depending on age category) was estimated to be about 600 and 700 fewer survivors, respectively (refer to [Table H8](#)). 'Tipping point' analyses indicated that for a concurrent increase in 'switching' of 0.39% and 0.5% (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 0.44% and 0.56% 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 0.5% and 0.63% 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 1.21% and 1.33% 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	1.6-16.3	0.0	-594	-619	-570
				0.5	76	3	156
				1.0	731	581	890
				1.5	1,371	1,145	1,608
				2.0	1,996	1,693	2,310
				2.5	2,607	2,230	2,994
				3.0	3,204	2,758	3,663
				3.5	3,787	3,272	4,317
				4.0	4,356	3,772	4,956
0.11	0.3	50	1.6-16.3	0.0	-716	-752	-682
				0.5	-74	-142	-2
				1.0	552	414	700
				1.5	1,164	954	1,386
				2.0	1,762	1,480	2,057
				2.5	2,346	1,993	2,713
				3.0	2,917	2,494	3,354
				3.5	3,474	2,984	3,980
				4.0	4,019	3,463	4,592

^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	0.39	0.44	0.50
0.11	0.50	0.56	0.63

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			
	0.5	785,067	784,026	1,041	76	-964
	1.0	785,722	784,709	1,012	731	-281
	1.5	786,362	785,377	985	1,371	386
0.11	0.0	784,275	783,252	1,023	-716	-1,739
	0.5	784,916	783,921	995	-74	-1,070
	1.0	785,543	784,574	968	552	-416
	1.5	786,155	785,212	942	1,164	222

^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	1.21
0.11	1.33

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	-715	-594	17
				0.5	95	76	20
				1.0	887	731	18
				1.5	1,662	1,371	18
				2.0	2,420	1,996	18
				2.5	3,162	2,607	18
				3.0	3,887	3,204	18
				3.5	4,597	3,787	18
				4.0	5,291	4,356	18
0.11	0.3	50	1.8-20.0	0.0	-867	-716	17
				0.5	-94	-74	21
				1.0	663	552	17
				1.5	1,403	1,164	17
				2.0	2,127	1,762	17
				2.5	2,835	2,346	17
				3.0	3,527	2,917	17
				3.5	4,204	3,474	17
				4.0	4,867	4,019	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	-2,016	-1,663	18
				0.5	-1,173	-964	18
				1.0	-347	-281	19
				1.5	460	386	16
0.11	0.3	50	1.8-20.0	0.0	-2,110	-1,739	18
				0.5	-1,304	-1,070	18
				1.0	-516	-416	19
				1.5	255	222	13

^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

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	0.44	0.44	0
	0.11	0.56	0.56	0
50% 'relapse'	0.08	1.21	1.21	0
	0.11	1.33	1.33	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)

