

Clinical Study Data Reviewer's Guide

22nd Century Group, Inc.

Study CA24914

Clinical Study Data Reviewer's Guide

Contents

| | | |
|--------|--|----|
| 1. | Introduction..... | 3 |
| 1.1 | Purpose..... | 3 |
| 1.2 | Acronyms..... | 3 |
| 1.3 | Study Data Standards and Dictionary Inventory..... | 3 |
| 2. | Protocol Description | 4 |
| 2.1 | Protocol Number and Title..... | 4 |
| 2.2 | Trial Design Datasets..... | 4 |
| 2.3.1 | TA – Trial Arms..... | 4 |
| 2.3.2 | TE – Trial Elements | 4 |
| 2.3.3 | TV – Trial Visits | 4 |
| 2.3.5 | TS – Trial Summary..... | 4 |
| 3. | Subject Data Description | 5 |
| 3.1 | Overview..... | 5 |
| 3.2 | Annotated CRFs..... | 5 |
| 3.3 | SDTM Subject Domains..... | 6 |
| 3.3.1 | AE – Adverse Events | 8 |
| 3.3.2 | CM – Concomitant Medications | 8 |
| 3.3.3 | DA – Drug Accountability | 9 |
| 3.3.4 | DM – Demographics..... | 9 |
| 3.3.5 | DS – Disposition | 9 |
| 3.3.6 | EG – ECG Test Results..... | 10 |
| 3.3.7 | EX – Exposure | 10 |
| 3.3.8 | LB – Laboratory Test Results | 10 |
| 3.3.9 | PC – Pharmacokinetic Concentrations..... | 11 |
| 3.3.10 | PE – Physical Examination | 11 |
| 3.3.11 | QS – Questionnaires..... | 11 |
| 3.3.12 | SU – Substance Use | 12 |
| 3.3.13 | VS – Vital Signs..... | 12 |
| 3.3.14 | XT– Topography..... | 12 |
| 4. | Data Conformance Summary..... | 13 |
| 4.1 | Conformance Inputs..... | 13 |
| 4.2 | Issues Summary | 14 |

1. Introduction

1.1 Purpose

This document provides context for tabulation datasets and terminology that benefit from additional explanation beyond the Data Definitions document (define.xml). In addition, this document provides a summary of SDTM conformance findings.

1.2 Acronyms

| Acronym | Translation |
|---------|--|
| WHO | World Health Organization |
| PK | Pharmacokinetic |
| MedDRA | Medical Dictionary for Regulatory Activities |

1.3 Study Data Standards and Dictionary Inventory

| Standard or Dictionary | Versions Used |
|---------------------------|----------------------------------|
| SDTM | SDTM IG v3.2 |
| Controlled Terminology | CDISC SDTM CT 2018-03-30 |
| Data Definitions | Define.xml (v2.0) |
| Medications Dictionary | WHO Dictionary Version 01SEP2017 |
| Medical Events Dictionary | MedDRA 20.1 |
| Pinnacle 21 | Pinnacle 21 Community 2.2.0 |

2. Protocol Description

2.1 Protocol Number and Title

| | | |
|--------------------|---|--------------|
| Protocol Number: | CA24914 | |
| Protocol Title: | A Longitudinal Ambulatory Study to Assess Changes in Cigarette Consumption Behavior and Biomarkers of Exposure during a 6-Week Switch to Very Low Nicotine Cigarettes | |
| Protocol Versions: | Final | 09 May 2018 |
| | Amendment 1 | 18 June 2018 |
| | Amendment 2 | 20 July 2018 |

2.2 Trial Design Datasets

Are Trial Design datasets included in the submission? **Yes**

2.3.1 TA – Trial Arms

The Trial Arms (TA) dataset describes each planned arm in the trial. An arm is described as an ordered sequence of elements.

2.3.2 TE – Trial Elements

The Trial Elements (TE) dataset contains the definitions of the elements that appear in the Trial Arms (TA) dataset.

2.3.3 TV – Trial Visits

The Trial Visits (TV) dataset describes the planned Visits in a trial. Visits are defined as “clinical encounters” and are described using the timing variables VISIT, VISITNUM, and VISITDY.

2.3.5 TS – Trial Summary

The Trial Summary (TS) dataset details a summary of the trial in a structured format. Each record in the Trial Summary dataset contains the value of a parameter; a characteristic of the trial. Trial Summary is used to record basic information about the study such as trial phase, protocol title, and trial objectives as well as information about the planned and actual trial characteristics.

3. Subject Data Description

3.1 Overview

Are the submitted data taken from an ongoing study? **No**

If yes, describe the data cut or database status:

Were the SDTM datasets used as sources for the analysis datasets? **Yes**

If no, what were the sources of analysis datasets?

Do the submission datasets include screen failures? **Yes**

If yes, which datasets include screen failure data?

DM, DS, IE, SE, SV

Were any domains planned, but not submitted because no data were collected? **No**

If yes, list domains not submitted:

Are the submitted data a subset of collected data? **No**

If yes, describe the reason that all collected data were not provided:

Additional Content of Interest

Not Applicable.

3.2 Annotated CRFs

Please see acrf.pdf in the package.

The acrf.pdf included in the package has been dual-bookmarked by visit and domain. Each occurrence of a data collection module is bookmarked and annotated in full the first time it is used.

Annotation “[Not Submitted]” = data was not submitted per SDTM requirements.

3.3 SDTM Subject Domains

| Dataset – Dataset Label | Efficacy | Safety | Other | SUPP- | Related Using RELREC | Observation Class |
|---|----------|--------|-------|-------|----------------------|-------------------|
| AE – Adverse Events | | X | | X | | Events |
| CM – Concomitant Medication | | X | | X | | Interventions |
| CO – Comments | | | X | | | Special Purpose |
| DA – Drug Accountability | | | X | X | | Findings |
| DM – Demographics | | | X | X | | Special Purpose |
| DS – Disposition | | | X | X | | Events |
| EG – ECG Test Results | | X | | X | | Findings |
| EX – Exposure | | | X | X | | Interventions |
| FA – Findings About Events or Interventions | | | X | | | Findings |
| IE – Inclusion/Exclusion Criteria Not Met | | | X | | | Findings |
| LB – Laboratory Test Results | | X | | X | | Findings |
| MH – Medical History | | | X | | | Events |
| PC – Pharmacokinetic Concentrations | | | X | X | | Findings |
| PE – Physical Examination | | X | | X | | Findings |
| PP – Pharmacokinetic Parameters | | | X | | | Findings |
| QS - Questionnaires | | | X | X | | Findings |
| RP – Reproductive System Findings | | | X | | | Findings |
| SE – Subject Elements | | | X | | | Special Purpose |
| SU – Substance Use | | | X | X | | Interventions |
| SV – Subject Visits | | | X | | | Special Purpose |
| VS – Vital Signs | | X | | X | | Findings |

| Dataset – Dataset Label | Efficacy | Safety | Other | SUPP- | Related Using RELREC | Observation Class |
|---------------------------------------|----------|--------|-------|-------|----------------------------|----------------------|
| XE – Investigational Product Exposure | | | X | | | Interventions |
| XT - Topography | X | | | X | | Findings |

3.3.1 AE – Adverse Events

In order to enable full traceability back to original Adverse Event responses as reported on the source CRF, source data values have been retained in SUPPAE for all data points detailed below. Per SDTM IG requirements Treatment Emergent Flag (AETRTEM) has also been submitted in SUPPAE.

| QNAM | Description |
|--------------|--------------------------------------|
| ADMDTC | Hospitalization Admission Date |
| AECM001-010 | Concomitant Medication #1-10 Given |
| AECMD001-010 | Date Concomitant Med. #1-10 Given |
| AETRTEM | Treatment Emergent Flag |
| DISDTC | Hospitalization Discharge Date |
| LINKN001-010 | Concomitant Med. #1 - 10 Link Number |

3.3.2 CM – Concomitant Medications

WHO dictionary variables have been retained in SUPPCM to provide full access to ATC Codes/Text.

| QNAM | Description |
|-------------|------------------------|
| AEID | AE ID |
| ATCCODE1 | WHO ATC Code – Level 1 |
| ATCCODE2 | WHO ATC Code – Level 2 |
| ATCCODE3 | WHO ATC Code – Level 3 |
| ATCCODE4 | WHO ATC Code – Level 4 |
| ATCTEXT1 | WHO ATC Text – Level 1 |
| ATCTEXT2 | WHO ATC Text – Level 2 |
| ATCTEXT3 | WHO ATC Text – Level 3 |
| ATCTEXT4 | WHO ATC Text – Level 4 |
| DRRCNO | WHO Drug Record Number |
| DRSEQ1 | WHO Drug Seq 1 |
| DRSEQ2 | WHO Drug Seq 2 |
| MHID | MH ID |
| TRADNAME | WHO Trade Name |

3.3.3 DA – Drug Accountability

Supplemental information pertaining to product return has been submitted in SUPPDA.

| QNAM | Description |
|-------------|---|
| ADINFO | Additional Information Collected? |
| ADINFOSP | Additional Information Specified |
| BUTTRET | Cigarette Butts Returned |
| CONSMAMT | Consume Other Cigarettes Amount |
| CONSUME | Consume Cigarettes Other than Reported? |
| CONSUMFQ | Consume Other Cigarettes Frequency |
| NONVLNBR | Non-VLN Butts Returned |
| UBSPEC | Usual Brand Specified |
| VISDTC | Visit Date |

3.3.4 DM – Demographics

Where subjects selected 'Other' race, the other race has been specified in SUPPDM.

| QNAM | Description |
|-------------|--------------------|
| RACESPEC | Other Race Specify |

3.3.5 DS – Disposition

Supplemental information pertaining to subject disposition has been submitted in SUPPDS.

| QNAM | Description |
|-------------|--------------------|
| ACTIVE | Active |
| ASGNPROD | Assigned Product |
| ENROLDTC | Enrolled Date |
| ENROLLED | Enrolled |
| PATCAPTN | Patient Caption |

| QNAM | Description |
|----------|--------------------------------------|
| PROTVER | Protocol Amendment Number |
| RANDNO | Randomization Number |
| RCPRTVER | Protocol Amendment Number Re-consent |

3.3.6 EG – ECG Test Results

Clinical Significance has been submitted in SUPPEG.

| QNAM | Description |
|---------|---------------------------|
| EGCLSIG | ECG Clinical Significance |

3.3.7 EX – Exposure

Original electronic diary collection date/time has been provided in SUPPEX.

| QNAM | Description |
|--------|----------------------------------|
| COLDTC | Daily Diary Collection Date/Time |

3.3.8 LB – Laboratory Test Results

To enable full traceability back to original Clinical Laboratory responses as reported at Source, data values have been retained in SUPPLB for all data points detailed below.

| QNAM | Description |
|---------|----------------------------|
| LBCLSIG | Clinical Significance Flag |
| VISDTC | Planned Visit Date |

3.3.9 PC – Pharmacokinetic Concentrations

To facilitate downstream TFL programming, source data values have been retained in SUPPPC for all data points detailed below.

| QNAM | Description |
|-------------|--|
| ACTHOUR | Actual Time from Reference Dose (h) |
| POINT | A Seq Number Assigned to Nominal Times |
| UCPERF | Was the Sample Collected |
| VOIDLOST | Was any void lost in this 24hr period? |
| VOLUME | Urine Sample Volume |
| VOLUNIT | Urine Sample Volume Unit |

3.3.10 PE – Physical Examination

Supplemental information pertaining to physical examination has been submitted in SUPPPE.

| QNAM | Description |
|-------------|-----------------------|
| PECLSIG | Clinical Significance |
| PESYMP | Reported Symptom |
| VISDTC | Visit Date |

3.3.11 QS – Questionnaires

Supplemental information pertaining to questionnaires has been submitted in SUPPQS.

| QNAM | Description |
|-------------|-----------------------|
| DATASET | Questionnaire Dataset |
| SCALE | Questionnaire Scale |
| VENDOR | Questionnaire Vendor |

3.3.12 SU – Substance Use

To enable full traceability back to original substance use responses as reported at Source, data values have been retained in SUPPSU for all data points detailed below. .

| QNAM | Description |
|-------------|---------------------------|
| BRAND | Usual Brand |
| DURATION | Duration of Cigarette Use |
| DURUNIT | Duration Unit |
| FLAVOR | Usual Brand Flavor |
| SIZE | Usual Brand Size |
| STYLE | Usual Brand Style |

3.3.13 VS – Vital Signs

Clinical Significance has been submitted in SUPPVS.

| QNAM | Description |
|-------------|-----------------------------------|
| VSCLSIG | Vital Signs Clinical Significance |

3.3.14 XT– Topography

Supplemental information pertaining to topography data has been submitted in SUPPXT.

| QNAM | Description |
|-------------|------------------------|
| CIGHOLD | Cigarette Holder |
| CIGID | Cigarette Identifier |
| CONSMORN | Consumed Since Morning |
| USUALCIG | Usual Cigarette |

4. Data Conformance Summary

4.1 Conformance Inputs

Was Pinnacle 21 used to evaluate conformance? **Yes**

If yes, specify the versions of Pinnacle 21 and the Pinnacle 21 validation rules:

SDTM IG 3.2, Pinnacle 21 Community Validation 2.2.0

Were sponsor-defined validation rules used to evaluate conformance? **No**

If yes, describe any significant sponsor-defined validation rules:

Were the SDTM datasets evaluated in relation to define.xml? **Yes**

Was define.xml evaluated? **Yes**

Provide any additional compliance evaluation information:

Not Applicable

4.2 Issues Summary

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|---|----------|-------|--|
| AE | Epoch value not found in 'Epoch' extensible codelist | Warning | 67 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| AE | Missing values for AESTDTC, AESTRF and AESTRTPT, when AEENDTC, AEENRF or AEENRTPT is provided | Warning | 3 | Start Date/Time of AE is unknown however the End Date/Time is known. |
| AE | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. |
| CM | Epoch value not found in 'Epoch' extensible codelist | Warning | 37 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| CM | Missing Start Time-Point value | Warning | 5 | Start Date/Time and End Date/time of conmeds are unknown. |
| CM | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. |
| DA | Epoch value not found in 'Epoch' extensible codelist | Warning | 581 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| DA | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. |

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|---|----------|-------|--|
| DM | RACE value not found in 'Race' extensible codelist | Warning | 13 | In the event of a subject selecting two or more races on the CRF, the SDTM IG states that Race should be mapped to MULTIPLE in the parent DM domain, with the individual races making up the “multiple” race being mapped to SUPPDM. OTHER and UNKNOWN are not a match to Controlled Terminology however the ‘Race’ code list is extensible. |
| EG | EGTEST value not found in 'ECG Test Name' extensible codelist | Warning | 5 | Where a full panel of ECG Tests is not collected, guidance recommends that all tests be collapsed into one test. “ECG Data” is not a match to CDISC Controlled Terminology however the ‘ECG Test Name’ code list is extensible. |
| EG | EGTESTCD value not found in 'ECG Test Code' extensible codelist | Warning | 5 | Where a full panel of ECG Tests is not collected, guidance recommends that all tests be collapsed into one test. “EGALL” is not a match to CDISC Controlled Terminology however the ‘ECG Test Code’ code list is extensible. |
| EG | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states ‘Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH’. |
| EX | Epoch value not found in ‘Epoch’ extensible codelist | Warning | 10966 | “PRODUCT EXPOSURE” is not a match to CDISC Controlled Terminology however the ‘Epoch’ code list is extensible. |

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|--|----------|-------|--|
| EX | EX record is present, when subject is not assigned to an arm | Warning | 38 | Subjects who participated in the product trial are included in EX despite not eventually being randomized. |
| EX | Exposure end date is after the latest Disposition date | Warning | 40 | Source disposition date is not the date of last contact for all subjects. |
| FA | Epoch value not found in 'Epoch' extensible codelist | Warning | 208 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| FA | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. |
| IE | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. |
| IE | Missing IEDY variable, when IEDTC variable is present | Warning | 1 | Since subjects included in the IE domain were not randomization, IEDY cannot be derived since these subjects do not have a RFSTDTC. |
| LB | EPOCH value not found in 'Epoch' extensible codelist | Warning | 2548 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| LB | LBORRESU value not found in 'Unit' extensible codelist | Warning | 69 | "s/co ratio" is not a match to CDISC Controlled Terminology however the 'Unit' code list is extensible. |
| LB | LBSTRESU value not found in 'Unit' extensible codelist | Warning | 69 | "s/co ratio" is not a match to CDISC Controlled Terminology however the 'Unit' code list is extensible. |

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|---|----------|-------|---|
| LB | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. |
| MH | Missing values for MHSTDTC, MHSTRF and MHSTRTPT, when MHENDTC, MHENRF or MHENRTPT is provided | Warning | 2 | Start Date/Time of medical history is unknown however the End Date/Time is known. |
| MH | Model permissible variable added into standard domain | Warning | 3 | VISIT and VISITNUM have been added to provide clarification of timing of collection. EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. |
| PC | EPOCH value not found in 'Epoch' extensible codelist | Warning | 6323 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| PC | PCORRESU value not found in 'Unit' extensible codelist | Warning | 9659 | Pinnacle 21 erroneously validates PCORRESU against the UNIT Code List (C71620) rather than the PKUNIT Code List (C85494). "ng/mL" can be found on the PKUNIT Code List. |
| PC | PCSTRESU value not found in 'Unit' extensible codelist | Warning | 9659 | Pinnacle 21 erroneously validates PCSTRESU against the UNIT Code List (C71620) rather than the PKUNIT Code List (C85494). "ng/mL" can be found on the PKUNIT Code List. |

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|---|----------|-------|---|
| PC | Model permissible variable added into standard domain | Warning | 2 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. PCENDY has been added to capture the end day of Urine Interval concentrations. |
| PE | EPOCH value not found in 'Epoch' extensible codelist | Warning | 14 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| PE | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH' |
| PP | EPOCH value not found in 'Epoch' extensible codelist | Warning | 1689 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| PP | Model permissible variable added into standard domain | Warning | 4 | VISITDY, VISITNUM and VISIT have been included to provide clarification on timing of parameters. EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. |
| QS | EPOCH value not found in 'Epoch' extensible codelist | Warning | 9887 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|--|----------|-------|---|
| QS | QSCAT value not found in 'Category of Questionnaire' extensible codelist | Warning | 17151 | “FAGERSTROM”, “MNWS-R”, “PERCEIVED HEALTH RISK SCALE” and “QSU-BRIEF” are not a match to CDISC Controlled Terminology however the ‘Category of Questionnaire’ code list is extensible. |
| QS | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states ‘Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH’. |
| RP | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states ‘Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH’. |
| SE | EPOCH value not found in 'Epoch' extensible codelist | Warning | 127 | “PRODUCT EXPOSURE” is not a match to CDISC Controlled Terminology however the ‘Epoch’ code list is extensible. |
| SE | Model permissible variable added into standard domain | Warning | 2 | SESTDY has been provided according to rule SD1087 which states ‘Study Day of Start (--STDY) variable should be included into dataset, when Start Study Date/Time (--STDTC) variable is present.’ Similarly SEENDY has been provided according to rule SD1091. |

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|---|----------|-------|--|
| SU | Model permissible variable added into standard domain | Warning | 3 | SUDTC has been included to provide clarification of timing of collection. SUDY has been provided according to rule SD1087 which states 'Study Day of Start (--STDY) variable should be included into dataset, when Start Study Date/Time (--STDTC) variable is present.' EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH' |
| SV | EPOCH value not found in 'Epoch' extensible codelist | Warning | 370 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| SV | Model permissible variable added into standard domain | Warning | 1 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH' |
| TA | EPOCH value not found in 'Epoch' extensible codelist | Warning | 4 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| TS | Model permissible variable added into standard domain | Warning | 2 | TSVAL1 and TSVAL2 have been included to display continuation of TSVAL |
| VS | EPOCH value not found in 'Epoch' extensible codelist | Warning | 2127 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|---|----------|-------|---|
| VS | VSTEST value not found in 'Vital Signs Test Name' extensible codelist | Warning | 9 | Where a full panel of Vital Signs Tests is not collected, guidance recommends that all tests be collapsed into one test. "Vital Signs Data" is not a match to CDISC Controlled Terminology however the 'Vital Signs Test Name' code list is extensible. |
| VS | VSTESTCD value not found in 'Vital Signs Test Code' extensible codelist | Warning | 9 | Where a full panel of Vital Signs Tests is not collected, guidance recommends that all tests be collapsed into one test. "VSALL" is not a match to CDISC Controlled Terminology however the 'Vital Signs Test Code' code list is extensible. |
| VS | Model permissible variable added into standard domain | Warning | 2 | EPOCH has been included according to rule SD1077 which states 'Variables requested by FDA in policy documents should be included in the dataset. E.g., EPOCH'. VSEVLINT has been provided to capture number of minutes in test position where applicable. |
| XE | EPOCH value not found in 'Epoch' extensible codelist | Warning | 82 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| XT | EPOCH value not found in 'Epoch' extensible codelist | Warning | 7462 | "PRODUCT EXPOSURE" is not a match to CDISC Controlled Terminology however the 'Epoch' code list is extensible. |
| XT | XTORRESU value not found in 'Unit' extensible codelist | Warning | 10770 | "mJ", "mmWG/(mL/sec)" and "mmWg" are not a match to CDISC Controlled Terminology however the 'Unit' code list is extensible. |

| Dataset | Diagnostic Message | Severity | Count | Explanation |
|---------|---|----------|-------|---|
| XT | XTSTRESU value not found in 'Unit' extensible codelist | Warning | 10770 | “mJ”, “mmWG/(mL/sec)” and “mmWg” are not a match to CDISC Controlled Terminology however the ‘Unit’ code list is extensible. |
| DEFINE | Invalid Term in Codelist 'No Yes Response' | Warning | 1 | This appears to be a Pinnacle 21 Bug. The flagged value ‘N’ is a valid term in the ‘No Yes Response’ Code List. The Pinnacle 21 forum states that this bug will be fixed in the next release of the validator. |
| DEFINE | Invalid Term in Codelist 'Relation to Reference Period' | Warning | 1 | This appears to be a Pinnacle 21 Bug. The flagged value ‘ONGOING’ is a valid term in the ‘Relation to Reference Period’ Code List. The Pinnacle 21 forum states that this bug will be fixed in the next release of the validator. |