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U.S. President's Emergency Plan for AIDS Relief

Response to USAID Test Case 2 on SIMS 2.0 data DATIM Import

August 19, 2016

Office of the Global AIDS Coordinator and Health Diplomacy

A red ribbon graphic, a symbol for HIV/AIDS awareness, is located in the bottom right corner of the slide.



TXT Data Elements

The TXT format in the Above Site have been incorporated. For a quick verification, please refer to the Above Site code list, hit Ctrl and F and enter TXT.

SIMS v2: Above Site Based Data Elements

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This view shows the name and code for data elements belonging to the SIMS v2 Data Element Group (UID = xDFgyFbegjl)

| name | code | uid |
|---|---|-------------|
| SIMS.A_01_01_PTEQANatl_COMM | SIMS.A_01_01_PTEQANatl_COMM | GcneRHS5oi |
| SIMS.A_01_01_PTEQANatl_INSTR_CB1_REPL_TOT | SIMS.A_01_01_PTEQANatl_INSTR_CB1_REPL_TOT | B4e50LxXda3 |
| SIMS.A_01_01_PTEQANatl_INSTR_CB2_REPL_NUM | SIMS.A_01_01_PTEQANatl_INSTR_CB2_REPL_NUM | wjUK8nijLLS |
| SIMS.A_01_01_PTEQANatl_INSTR_CB3_TXT | SIMS.A_01_01_PTEQANatl_INSTR_CB3_TXT | INKHsLgKxVi |
| SIMS.A_01_01_PTEQANatl_Q1_RESP | SIMS.A_01_01_PTEQANatl_Q1_RESP | tXFW3sfOJxu |
| SIMS.A_01_01_PTEQANatl_Q2_PERC | SIMS.A_01_01_PTEQANatl_Q2_PERC | mgXfL1gN1gv |
| SIMS.A_01_01_PTEQANatl_Q3_CB1 | SIMS.A_01_01_PTEQANatl_Q3_CB1 | lWtqhclU5f |
| SIMS.A_01_01_PTEQANatl_Q3_CB2 | SIMS.A_01_01_PTEQANatl_Q3_CB2 | bgdnemDB3yq |
| SIMS.A_01_01_PTEQANatl_Q3_RESP | SIMS.A_01_01_PTEQANatl_Q3_RESP | GpHByNQ1Igl |
| SIMS.A_01_01_PTEQANatl_Q4_RESP | SIMS.A_01_01_PTEQANatl_Q4_RESP | hYGDpg7F8Bk |
| SIMS.A_01_01_PTEQANatl_SCORE | SIMS.A_01_01_PTEQANatl_SCORE | CBOjTBrDIFb |
| SIMS.A_01_02_POCTQINatl_COMM | SIMS.A_01_02_POCTQINatl_COMM | V7Q5tSfj3Q0 |
| SIMS.A_01_02_POCTQINatl_Q1_RESP | SIMS.A_01_02_POCTQINatl_Q1_RESP | SlszqKEvPnl |
| SIMS.A_01_02_POCTQINatl_Q2_PERC | SIMS.A_01_02_POCTQINatl_Q2_PERC | gF6F4h7zz6S |
| SIMS.A_01_02_POCTQINatl_Q3_RESP | SIMS.A_01_02_POCTQINatl_Q3_RESP | E7EJF000000 |





Period Format and Date Format

Please refer to the [data exchange guidance document](#) for the correct period and date formats.

Data Element Naming Convention and Data Types:

| Field Name | Data Type | Length | Valid Values/Format |
|------------|-------------------|------------------------|--|
| *_COMM | string, long text | 50k characters | |
| *_SCORE | integer | <u>zeroPositiveInt</u> | |
| *_RESP | bool | | true / false (all lower case) |
| *_CB* | bool | | true / false (all lower case) |
| *_PERC | integer | <u>zeroPositiveInt</u> | |
| *_NA | bool | | true/False |
| *_Date | <u>date</u> | | YYYY-MM-DD (2016-01-01 for January 01, 2016). Note, this is different from the period date format! |

CSV File Format

Only the following columns are required in the csv file (order is important)*:

| <u>Dataelement</u> | <u>period</u> | <u>orgunit</u> | <u>Categoryoptioncombo</u> | <u>AttributeOptionCombo</u> | <u>value</u> |
|--------------------|---------------|----------------|----------------------------|-----------------------------|--------------|
|--------------------|---------------|----------------|----------------------------|-----------------------------|--------------|

*Optional columns that follow are: stored by, last updated, comment, and follow up.

- CSV file may or may not include the header. As DATIM does not make assumption that there is a header, it verifies the first line of the document. If it the first line is a header, an error will be included saying that "dataelement" (name of the first column header) is not a valid data element, and can be ignored. Alternatively, header line can be omitted from the CSV file.
- Orgunit values should be reported as UIDs (see below). Data element and funding mechanism can be reported as either code or UID;
- **Data element** can be reported as either code or UID (refer to code lists for details found at <https://datim.zendesk.com/hc/en-us/articles/201767379-DATIM-Data-Exchange-Guide>);
- **Period** should be reported using yyyyMMdd format using calendar year: e.g. 20160101 for January 01, 2016, 20160102 for January 02, 2016, etc.;
- **Org unit** should be reported using UID (refer to code lists for details);
- **Category option combo** should include default to "HllvX50cXC0"





DATIM Code Lists

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S/GAC: The DATIM code list were developed in accordance to the functional data dictionary dated Dec. 18th. However, as a result of the data exchange exercises, a number of inconsistencies were identified between the Master Tools and the functional data dictionary (i.e. the SIMS VCLs). All of the updates that have been made to the DATIM code lists have been communicated to the SIMS systems POCs and have been signed off by Russ Giese. Lastly, Alejandra Covarrubias and Connie Sexton have worked collaboratively to maintain the functional data dictionary and code list in sync.

Above Site Data Elements Revisions

Above Site – Revisions Log

| Exercise | Description of Change |
|---|--|
| Third Dataset Import – Above Site (DoD) | <p>Everylyne Nyagaya (DoD) noted the following issue as she was conducting data exchange testing for the SIMS 2.0 Above Site module:</p> <p>Per the Above Site data dictionary (also known as VCL): SIMS.A_11_03_ReferSNU_Q1_CB1</p> <p>The DATIM code list is aligned with the requirement in the Above Site data dictionary provided by the SIMS Core Group (dated December 18th).</p> <p>However, the Above Site tool (the actual survey word document), question 1 of that CEE will provide a true/false value, and therefore it should be: SIMS.A_11_03_ReferSNU_Q1_RESP</p> <p>Changed Approved by: Russ Giese and Connie Sexton on 8/1/2016</p> <p>Internal Reference: GH #1651</p> |



A change request for a correction to a SIMS 2.0 code list (Facility, Community, or Above Site) can be initiated by any SIMS stakeholder. The change request is escalated to the data dictionary owner, Connie Sexton, and the SIMS – DATIM liaison, Alejandra Covarrubias.

The data dictionary owner and SIMS – DATIM liaison validate the issue and need for a correction. An explanation of the issue, impact, and resolution are submitted to Russ Giese (cc: Mary Jo Cole-Lewis) for formal approval. Upon approval, the SIMS – DATIM liaison informs the SIMS data subcommittee of the upcoming change to the SIMS code lists.

The SIMS – DATIM liaison documents a formal requirement for the DATIM development team on the GitHub repository. The assigned DATIM developer(s) provide the Level of Effort (LoE) and Estimated Time of Completion (ETC).

The DATIM development deploys the change to a DATIM test environment, the SIMS – DATIM liaison validates the change, change is deployed, and a notification email is sent to the SIMS data subcommittee. Connie Sexton updates the SIMS data dictionary (posted on pefar.net).





Additional Observations

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Our team reviewed the CSV test file you provided and noted several issues with the file (from something very simple, like space in the data element code, to more problematic, like data elements that do not exist in the functional data dictionary (SIMS VCLs). As always, our team is available to assist you in correcting the file and answer any questions you may have.

- 1) SIMS.CS_KP is boolean, needs true/false - Y Data value is not a boolean, must match data element type: EE7HfKW6WyO
- 2) SIMS.CS_ASSR1_TYPE is integer, with option set with values 1&2 - Y Data value is not a positive integer, must match data element type: rLJUs5ctSpQ
- 3) Following data elements have several problems

Spaces in the data element code

SIMS.A_04_02_KPNormNatI_Q1_CB1

SIMS.A_04_02_KPNormNatI_Q1_CB2

SIMS.A_04_02_KPNormNatI_Q1_CB3

SIMS.A_04_02_KPNormNatI_Q1_CB4

SIMS.A_04_02_KPNormNatI_Q1_RESP

SIMS.A_04_02_KPNormNatI_Q2_CB1

SIMS.A_04_02_KPNormNatI_Q2_RESP

SIMS.A_04_02_KPNormNatI_SCORE

SIMS.A_11_06_QMConsSNUSNU_Q1_RESP

SIMS.A_11_06_QMConsSNUSNU_Q2_RESP

SIMS.A_11_06_QMConsSNUSNU_SCORE

Data elements that do not exist in the functional data dictionary (SIMS VCLs)

SIMS.A_C_01_AssessmentInfo_Q3_RESP

SIMS.A_C_01_AssessmentInfo_Q4_RESP

SIMS.A_C_01_AssessmentInfo_Q8_A-NUM

SIMS.A_C_01_AssessmentInfo_Q8_CB1

SIMS.A_C_02_LocationInfo_Q2_RESP

SIMS.C_C_01_AssessmentInfo_Q8_A-NUM

SIMS.C_C_04_CommunityInfo_Q1_A-NUM

SIMS.C_C_01_AssessmentInfo_Q3_RESP

SIMS.C_C_01_AssessmentInfo_Q4_RESP

SIMS.C_C_01_AssessmentInfo_Q8_CB1

SIMS.C_C_02_LocationInfo_Q2_RESP

Data elements that do not exist in the functional data dictionary (SIMS VCLs)

SIMS.C_C_04_CommunityInfo_Q1_CB1

SIMS.C_C_04_CommunityInfo_Q1_CB3

SIMS.F_C_01_AssessmentInfo_Q3_RESP

SIMS.F_C_01_AssessmentInfo_Q4_RESP

SIMS.F_C_01_AssessmentInfo_Q8_A-NUM

SIMS.F_C_01_AssessmentInfo_Q8_CB1

SIMS.F_C_02_LocationInfo_Q2_RESP

SIMS.C_00_01_HTC-Assess_Q1_A-NUM

SIMS.C_00_01_HTC-Assess_Q2_A-NUM

SIMS.C_00_02_POCT-Assess_Q2_A-NUM

SIMS.F_04_00_PMTCT-ANC_Assess_Q1_A-NUM





Additional Observations Cont..

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3) Following data elements have several problems

Data elements that do not exist in the functional data dictionary (SIMS VCLs)

SIMS.C_01_28_POCT-Staff_SCORE

SIMS.C_01_29_POCT-Staff_SCORE

SIMS.C_01_30_POCT-Staff_SCORE

SIMS.C_01_31_POCT-Staff_SCORE

SIMS.C_01_32_POCT-Staff_SCORE

SIMS.F_10_00_Assess-LAB_Q1_A-NUM

SIMS.F_11_00_Assess-POCT_Q1_A-NUM

SIMS.F_11_05_SupReagEquip-
POCT_Q2_SCORE

SIMS.F_04_00_PMTCT-ANC_Assess_Q1_CB1

Functional data dictionary (SIMS VCLs) and Code List have CB1, not RESP

SIMS.A_11_03_ReferSNU_Q4_RESP

SIMS.A_11_03_ReferSNU_Q5_RESP

Functional data dictionary (SIMS VCLs) uses "HIVRefSyst" data point title, not "LinkHIVTest"

SIMS.C_03_03_LinkHIVTest_Q1_RESP

SIMS.C_03_03_LinkHIVTest_Q2_RESP

SIMS.C_03_03_LinkHIVTest_Q3_PERC

SIMS.C_03_03_LinkHIVTest_Q4_PERC

SIMS.C_03_03_LinkHIVTest_SCORE

Functional data dictionary (SIMS VCLs) and Code List have CB1, not RESP

SIMS.A_11_03_ReferSNU_Q4_RESP

SIMS.A_11_03_ReferSNU_Q5_RESP





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Resources

OpenHIE Data Exchange Implemented Community Forum

This site provides recording and meeting minutes for all data exchanged discussions focused on SIMS.

Link: <https://wiki.ohie.org/display/SUB/PEPFAR+Data+Exchange+Implementer+Community>

SIMS Data Exchange Exercise Guidance Document

This document provides:

- Guidelines for the exercise including the CSV file format, data element naming convention and data types, sample CSV files.
- Test results and lessons learned for previous data exchange exercises.
- Responses to Frequently Asked Questions (FAQs) via the OpenHIE Data Exchange Implemented Community forum.

Path: DATIM > DATIM Support > Administrator and Data Import Resources > **SIMS Data Exchange Exercise**

DATIM Data Exchange Instructions and Code Lists

This page provides:

Code Lists for the facility, community, above site, and options sets code lists.

Code Lists for the organization units.

Path: DATIM > DATIM Support > Administrator and Data Import Resources > **DATIM Data Exchange Instructions and Code Lists**

