Format of the test case files used by Epic's Immunization Scheduling Tester

Adam Kullberg [akullber@epic.com]

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To: Nathan Bunker
Cc: Uma Veggalam [uveggala@epic.com]; Cunningham, Rachel M. (rmcunnin@texaschildrens.org)
Attachments: Raw_HPV_TestCases.txt (13 KB) ; HepBTestCases.txt (16 KB)

Nathan,

I've attached two test case files that I've been using to test my development with, and a description of the format that our test case file uses (I apologize for the length; I tried to keep it to only the essentials…).

Note that our tester does not require a specific column ordering in the file. Instead the tester determines what information is in a given column based on the column header in the first row of the file. **Definitely let me know if you have any other questions!**

Format of the test case files:

The immunization scheduling tester will require that the test case file is a text file where each column of data is separated by **a single tab character** (i.e., a tab-delimited text file). Each row will correspond to a separate test case and each column to a separate piece of data for the different test cases. The tester will expect the following columns in the file:

Column Header	Description of Column	Format of data
Date of Birth	The patient's date of birth	· A fixed date* · An age "interval"**
Sex	The patient's sex	A value that can mapped to one of the category values of EPT 130 – SEX. In other words one of the following: · Raw number that maps to a defined category value (e.g., 1, 2, 3) · A category title (e.g., Female, Male, Unknown) · A category abbreviation (e.g., F, M, U)
Expected	The expected forecast	· A fixed date* · A date expression using a reference date mnemonic*** · The string: "Completion" · The string: "Aged Out"

*By a fixed date I mean something like 1/1/2016, March 12, 2013 and so forth.
**The Date of Birth column will also support an "age interval" value (e.g., 18 years + 4 weeks) which means that the date of birth will be calculated so that the age of the test patient when the unit tester runs is equal to the entered "age interval".
***see Reference date mnemonics section below
****Although in the test file we will allow the user to put anything they want in these columns, only the first 150 characters will be reproduced in the XML report.

Column mapping:
The tester will not require a fixed column ordering in the flat file. Instead the unit tester will assume that the first row of the flat file contains the column headers and will determine where columns are located based on these headers. This means that the first row of the flat file will have to use the same column headers listed in the table above (under "Column Header").

Reference date mnemonics:
Reference date mnemonics are variables that stand in for other dates that the unit tester will convert to an actual date at the time that the tester runs. They always begin with a "%". Date expressions that use reference date mnemonics are formatted as a mnemonic plus a time interval:

%<reference date mnemonic> +/- <interval>

Examples: %DOB + 18 years – 4 days
%TODAY - 4 days
%3 + 4 weeks

There are three reference date mnemonics that the unit tester will support:

Reference date mnemonic	Explanation
%TODAY	Returns the current date (the date that the unit tester is running)
%DOB	Returns the patients Date of Birth
%<n> (e.g., %1, %3)	The administration date of the n-th dose. Note that when this mnemonic is used in the Dose # Date columns, the number n *must* refer to a previous dose. For example, the dose date column for dose 5 cannot contain an expression that uses %6.

Thanks!

--Adam Kullberg