
ADR in Focus

Understanding Client-Level XML Import Rules for Merging Records



Key Point

For ADR submission, when multiple client-level data files for the same ADAP are merged, actual values are never replaced with missing values.

Introduction

An AIDS Drug Assistance Program (ADAP) may submit more than one client-level data file for the ADAP Data Report (ADR). For example, an ADAP may have their enrollment, demographic, and clinical information in one data system and their drug services data in other system. This might require two uploads.

When HAB receives more than one file from an ADAP, the files are combined. Data in the two files are matched and merged by the encrypted Unique Client Identifier (eUCI).

What are the rules for merging records?

For a given ADAP, if a client's data already exist in the ADR Web System and new information for that client is uploaded, the new data are merged with the original data. Some data items are added to the old file, and some data items overwrite the information in the original file. See table on next page for a summary.

Added data

Data for items that can have multiple responses are added in. New information on medical insurance, race, disenrollment reason, and medications are *added* to the pre-existing data. Note that "unknown" records for these items are not deleted. For example, a client's race can be recorded in the system as both "African-American" and "unknown." Before data analysis, the system will remove these inconsistencies during the data cleaning process.

Overwritten data

Code as "Unknown": Ethnicity, gender, transgender status and poverty level are coded as "unknown" if responses between the pre-existing data and the new upload are inconsistent.

Keep "Yes": A "Yes" response always wins regardless of order of upload for the following six data elements: new enrollment, insurance assistance received, medication dispensing fee, medication dispensing fee, pregnancy status and high risk insurance. The first four of these six "keep Yes" data elements are flags, meaning the responses are either "Yes" or "No." However, pregnancy and high risk insurance have other response options. If neither response is "Yes," then the latest upload wins.

Keep most recent upload: The most recent upload always wins for the following data elements: birth year, enrollment status, insurance premium amount, insurance premium month count, insurance deductible and copay amount, Medicare Part D amount, and medication dispensing fee amount.

Keep most recent date: A few data elements are related to date. The most recent date stays for the following data elements: application received date, application approval date, recertification data, last CD4 date and count, and last

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viral load date, count and is detectable flag. Note that birth year is the one date that depends on the most recent upload.

Hierarchy: Finally, there is a hierarchy of responses for the HIV/AIDS status, with one being the top priority:

1. CDC defined AIDS
2. HIV positive AIDS status Unknown
3. HIV positive not AIDS
4. Unknown

What are the rules for deleting records?

If an ADAP needs to replace a file instead of merging it, the ADAP should use the "Clear Client Records" command before importing the new records.

Summary of Merge Rules by Data Element

| ID | Elements | Value Overwrites Missing | Added Values | Overwritten Values: If inconsistent... | | | | Hierarchy |
|-------|--|--------------------------|--------------|--|------------|-------------------------|-----------------------|-----------|
| | | | | Report "Unknown" | Keep "Yes" | Keep most recent upload | Keep most recent date | |
| 4 | Ethnicity | • | | • | | | | |
| 5 | Race | • | • | | | | | |
| 6 | Gender | • | | • | | | | |
| 7 | Transgender Subgroup | • | | • | | | | |
| 8 | Pregnancy Status | • | | | • | | | |
| 9 | Birth Year | • | | | | • | | |
| 10 | HIV/AIDS Status | • | | | | | | • |
| 11 | Poverty Level | • | | • | | | | |
| 12 | High Risk Insurance | • | | | • | | | |
| 13 | Medical Insurance | • | • | | | | | |
| 14 | New Enrollment Flag | • | | | • | | | |
| 15 | Application Received Date | • | | | | | • | |
| 16 | Application Approval Date | • | | | | | • | |
| 17 | Recertification Date | • | | | | | • | |
| 18 | Enrollment Status | • | | | | • | | |
| 19 | Disenrollment Reason | • | • | | | | | |
| 20 | Insurance Assistance Received Flag | • | | | • | | | |
| 21 | Insurance Premium Amount | • | | | | • | | |
| 22 | Insurance Premium Month Count | • | | | | • | | |
| 23 | Insurance Deductible And Copay Amount | • | | | | • | | |
| 24 | Medicare Part D Amount | • | | | | • | | |
| 25 | Medication Dispensed Flag | • | | | • | | | |
| 26-29 | Medication | • | • | | | | | |
| 30 | Medication Dispensing Fee Flag | • | | | • | | | |
| 31 | Medication Dispensing Fee Amount | • | | | | • | | |
| 32 | Last CD4 Date | • | | | | | • | |
| 33 | Last CD4 Count | • | | | | | • | |
| 34 | Last Viral Load Date | • | | | | | • | |
| 35 | Last Viral Load Count | • | | | | | • | |
| 35 | Last Viral Load Count Is Detectable Flag | • | | | | | • | |

Need Additional Technical Assistance?

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