

HMIS Release Notes

Data Outliers Report

April 14, 2022

What are the changes?

Beginning 4/14/2022 users will have access to a new custom report in HMIS called the “Data Outliers Report.” This report is restricted to the organization level and provides information per client per program on outliers in key data elements in HMIS. Many of the data elements have an impact on System Performance Measures and the report seeks to highlight elements that are missing data, have outliers in the data, or have data quality issues that programs should review for accuracy and update as needed.

Parameters

- Date range filters can be used to show client records that were open at some point during the selected time period
- Users will be able to run the report within the organization they are logged in under
- Users can choose to run the report on select or all of the following program types:
 - Emergency Shelter
 - Street Outreach
 - Transitional Housing
 - PH-Rapid Rehousing
 - Homeless Prevention and Rapid Rehousing
- Users can choose to run the report to show outliers for all the data elements or only a select few by making selections in the “Outlier List” filter
- Users can select which projects within their organization they would like to report on

Report Columns

Basic information

- Client ID
- Family ID
- Enrollment ID
- Organization Name
- Program Type
- Program Name
- CAN

Outlier Information - Each “Outlier” column will show a message about a potential outlier in the data that should be reviewed for accuracy or will show “No Outlier.”

- Program Length of Stay (PLOS) Outlier
 - This column will show whether the client has a length of stay longer than the following benchmarks for each program type, which were calculated by determining 150% of the mean number of days of all enrollments in that program type
 - If the client’s enrollment has been open longer than those timeframes the column will show the following outlier flags:
 - “PLOS_TH > 367 Days Data Outlier”
 - “PLOS_ES > 136 Days Data Outlier”
 - “PLOS_SO > 423 Days Data Outlier”
 - “PLOS_RRH > 273 Days Data Outlier”
 - If there is no potential data quality issue the value in this column will read “No Outlier”
 - The purpose of this data check is to call attention to enrollments that may need to be exited which impacts the length of stay System Performance Measure
- Exit Destination Outlier
 - This column will show the following values:
 - Data Not Collected
 - Client Refused
 - Client Doesn’t Know
 - Leaver but Missing Exit Destination
 - No Outlier
 - The purpose of this data check is to show clients who may not have complete exit information which impacts System Performance Measures related to successful placements to permanent housing
- Date Homelessness Started
 - The column will show the date entered for “Approximate Date Homelessness Started” on the HUD Universal at Entry assessment if available
- Date Homelessness Started Outlier
 - This column will show the following values:
 - Missing Homelessness Date
 - Literal Homelessness Date Prior to 2018
 - This benchmark may change over time to show outliers where client’s homeless start date is more than four years ago
 - No Outlier
 - The purpose of this data check is to show clients who may not have a date homelessness first started or who have a date that is very old, which may indicate that it is not related to their current episode of homelessness. Date homelessness first started impacts the System Performance Measures related to length of time homeless.
- Entry Income Outlier
 - This column will show the following values:
 - At Entry Assessment Does Not Have Any Record of Financial Summary Information Attached

- At entry, Income from Any Source = No, but income value > 0
 - At entry, Income from Any Source = Yes, but income value = 0 or Null
 - No Outlier
- The purpose of this data check is to ensure complete and accurate income and information at entry, annual, and exit. Income information impacts System Performance Measures related increase in client income.
- Missing Annual Assessment Outlier
 - This column will show the count of a client’s missing annual assessments in the program or “No Outlier” if the client is not missing any assessments
 - The purpose of this data check is to ensure that clients have annual assessments as appropriate and complete and accurate income and information at entry, annual, and exit. Income information impacts System Performance Measures related increase in client income.
- Exit Income Outlier
 - This column will show the following values:
 - At Exit Assessment Does Not Have Any Record of Financial Summary Information Attached
 - At exit, Income from Any Source = No, but income value > 0
 - At exit, Income from Any Source = Yes, but income value = 0 or Null
 - No Outlier
 - The purpose of this data check is to ensure complete and accurate income and information at entry, annual, and exit. Income information impacts System Performance Measures related increase in client income.
- Annual Assessment Required
 - This column will show the count of a client’s missing annual assessments in the program or “No Outlier” if the client is not missing any assessments
- Leaver Missing Move In Date Outlier
 - This column will show “The clients exited the program but has no move in date in RRH” for any member of the household if the household has exited an RRH program without a move in date. Otherwise the column will show “No Outlier”
 - Note that only the Head of Household’s record holds Move in Date information
 - The purpose of this data check is to ensure that Move in Date information is entered for clients in RRH projects. Move in Date impacts System Performance Measures related to length of time homeless.
- SSN Outlier
 - This column will show the following values:
 - Data Not Collected
 - Client Refused
 - Client Doesn’t Know
 - No Outlier
- DOB Outlier
 - This column will show the following values:
 - Data Not Collected
 - Client Refused

- Client Doesn't Know
- No Outlier
- Race Outlier
 - This column will show the following values:
 - Data Not Collected
 - Client Refused
 - Client Doesn't Know
 - No Outlier
- Gender Outlier
 - This column will show the following values:
 - Data Not Collected
 - Client Refused
 - Client Doesn't Know
 - No Outlier
- Ethnicity Outlier
 - This column will show the following values:
 - Data Not Collected
 - Client Refused
 - Client Doesn't Know
 - No Outlier
- Name Outlier
 - This column will show the following values:
 - Data Not Collected
 - Client Refused
 - Client Doesn't Know
 - No Outlier
- Technical specifications for the report can be found [here](#)

Which users are impacted?

PATH Outreach
Supportive Housing (SHP)
Transitional Living (TLP)
Emergency Shelter (ES)

How does this help?

This report will provide programs with a quick view of key data elements on a single row so that they can confirm the accuracy of various data elements and make updates as needed. Reports can be run only for clients with outliers, reducing the need to review all of a program's clients in a report to ensure data accuracy. Reviewing the APR remains important as that is the information reported to state funders and to HUD but the Data Outliers Report can serve as another tool to target major data elements in HMIS.

If the outliers noted in the report require data clean up programs can use the following guides to update their data:

[Date Homelessness Started Clean Up Guide](#)

[Emergency Shelter Length of Stay Clean Up Guide](#)

[TH SH Length of Stay Clean Up Guide](#)

[PSH RRH Move In Date Clean Up Guide](#)

[Missing Exit Destination Clean Up Guide](#)

[Adding and Annual Assessment Guide](#)

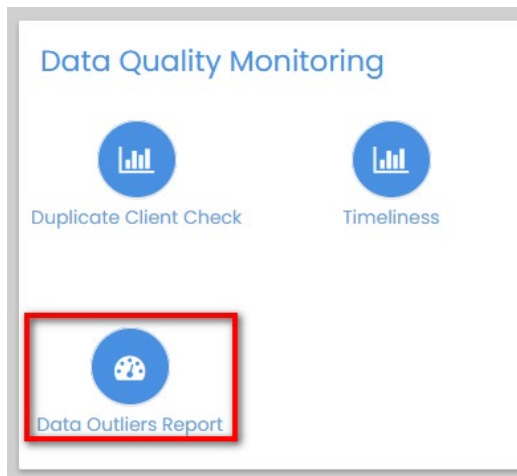
When will I see this change in HMIS?

This change is expected to be rolled out on April 14, 2022.

Screenshots of Changes


Report Location

Admin Tab > Reporting > Compliance Reports > Data Quality Monitoring (Section) > Data Outliers Report



Report Parameters

Save Report Parameters

 Select report criteria.

Start Date *

End Date *

Organizations *

Program Type(s) * All None Some

Project(s) * All None Some

Outlier List * All Some