

ART Gallery Report 230

HPRP

Data Quality Report Part 1

EXECUTIVE SUMMARY:

This ART report is designed to monitor data quality by locating client data which is missing, incorrect or inconsistent with other data for the same client. This report focuses on locating errors and incongruities specifically related to the HPRP QPR. Eight common data quality issues are identified:

1. Clients without Program Entry (during specified date range by a specified provide)
2. Clients without a Service Transaction (during specified date range by specified provider(s))
3. Clients without an HPRP Service Activity (for one or more services during specified date range by specified provider(s))
4. Clients with a Non-HPRP Program Entry Type recorded
5. Clients with no Housing Status recorded (at time of program entry)
6. Clients which have one or more HPRP Type Program Entry before start date of grant
7. Clients which have one or more HPRP Service Activity before start date of grant
8. Clients which have one or more Services with both a Financial and a Non-financial HPRP Activity Type indicated

The “Summary” of the report displays the number and percentage of clients for whom each of the errors/issues applies. It then lists all clients with identified issues and shows which issue(s) apply to which client(s).

The “Detail” section of the report further expands the client list to display and highlight the actual values that are in error or are in conflict with each other.

AUDIENCE:

This report is intended for use by Agency Administrators, by data entry staff, or by HMIS administrators responsible for data quality related to HPRP reporting. The report can be run at any provider level at or above the selected program.

FREQUENCY:

It is recommended that this report should be run at least monthly for each HPRP program.

PURPOSE:

Monitoring data errors and incongruities is a basic data quality procedure, since such issues will result in erroneous reporting.

INSTRUCTIONS:

Instruction on how to retrieve, copy, run, and read this report is outlined below. Requests for additional information concerning the report function/design should be directed to Bowman Systems’ staff via email (ART_Reports@BowmanSystems.com).

How to retrieve and copy: Detailed step-by-step instructions concerning how to retrieve and save a copy this ART Report to your personal system can be found on the Bowman ART website at (<http://www.BowmanSystems.com/ARTreports.html>)

How to install: The original version of this report will be permanently located in a read-only “ART Gallery” folder on your ART site. This original version of the report is a template and it must be copied into another folder and mapped to your data before it can be used. Detailed instructions for installing report templates are provided in the Bowman Documentation folder on your ART site.

How to read: Upon opening the report, the User will be prompted (see Diagram 1) to specify (or select) parameters which control the data returned by the report. Once the User has provided these parameters by responding to the user prompts, a green check-mark will appear next to each field to indicate that a valid selection has been made. The User should then single-click the “Run Query” button to generate the report.

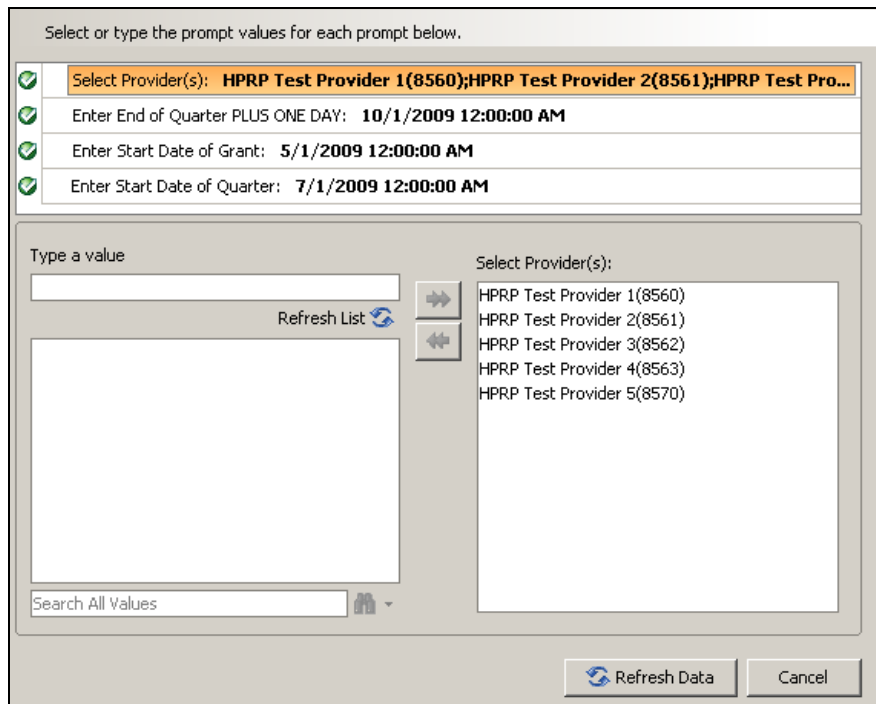


Diagram 1

The four user prompts contained in this report are outlined below along with instruction on how each should be answered:

1. **Select Provider(s):** The user selects the program(s)/ provider(s) to include as the subject of the report.
2. **Enter End of Quarter PLUS ONE DAY:** The user should enter (or select from the calendar) the day immediately following the last day of the reporting quarter.
3. **Enter Start Date of Grant:** The user should enter (or select from the calendar) the day on which their HPRP grant began as contained in their HPRP contract.
4. **Enter Start Date of Quarter:** The user should enter (or select from the calendar) the first day of the reporting quarter.

How to read The report results consist of ten report tabs marked A-J:

Tab A is the main body of the report and summarizes the report's results. It includes:

- a listing/description of the eight data quality issues covered in the report
- a summary of the number and percentage of issues identified
- a summary of the issues identified by client

Tabs B-I details the missing, erroneous or conflicting data for each client with identified issue(s). Each of these Tabs corresponds to one of the eight issues/error types.

Tab J is an appendix which displays the User selected parameters and additional information provided for as a reference.

The ten tabs contained in this report are displayed/ further explained below:

**HPRP QPR
Data Quality Report**
Grant To Date: 5/1/09 - 9/30/09
Quarter: 7/1/09 - 9/30/09

Tab	DATA QUALITY ISSUES IDENTIFIED IN THIS REPORT
B	Clients without Program Entry (during specified date range by specified provider(s))
C	Clients without a Service Transaction (during specified date range by specified provider(s))
D	Clients without an HPRP Service Activity (for one or more services during specified date range by specified provider(s))
E	Clients with an Non-HPRP Program Entry Type recorded
F	Clients with no Housing Status recorded (at time of program entry)
G	Clients which have one or more HPRP Type Program Entry before start date of grant
H	Clients which have one or more HPRP Service Activity before start date of grant
I	Clients which have one or more Services with both a Financial and a Non-financial HPRP Activity Type indicated

SUMMARY								
	B	C	D	E	F	G	H	I
Total Clients	24	24	24	24	24	24	24	24
Clients Identified With This Issue	2	8	2	3	3	1	1	1
Percent Identified With This Issue	8.3%	33.3%	8.3%	12.6%	12.6%	4.2%	4.2%	4.2%

DETAIL BY CLIENT									
Percentage of clients identified with one or more of these issues= 66.7% (16 of 24)									
Client Id	B	C	D	E	F	G	H	I	
	Missing Program Entry	Missing Service Transaction	Missing HPRP Service Activity	Non-HPRP Entry Type	Missing Housing Status	Entry Prior to Grant Start	Service Prior to Grant Start	Double HPRP Service Activity	
1	336228	ok	Error?	ok	ok	ok	ok	ok	ok
2	336242	ok	Error?	ok	ok	ok	ok	ok	ok
3	336249	ok	ok	ok	Error?	ok	ok	ok	ok
4	336250	ok	ok	Error?	ok	ok	ok	ok	ok
5	336251	ok	ok	ok	ok	Error?	ok	ok	ok
6	336252	ok	Error?	ok	Error?	ok	ok	ok	ok
7	336253	ok	Error?	ok	ok	ok	ok	ok	ok
8	336256	Error?	ok	ok	ok	ok	ok	ok	ok
9	336257	ok	Error?	ok	ok	ok	ok	ok	ok
10	336258	ok	ok	Error?	ok	ok	ok	ok	ok
11	336259	ok	Error?	ok	Error?	ok	ok	ok	ok
12	336260	ok	ok	ok	ok	Error?	ok	ok	ok
13	336261	Error?	Error?	ok	ok	ok	ok	ok	ok
14	336262	ok	Error?	ok	ok	Error?	Error?	ok	ok
15	336263	ok	ok	ok	ok	ok	ok	Error?	ok
16	336264	ok	ok	ok	ok	ok	ok	ok	Error?

Diagram 2

Tab A: Summary (Diagram 2): This tab contains three report elements:

- **Report Header** The Report Header contains the title of the report, and specifies the date parameter specified by the user. This header will appear only each page of the printed document if the report detail spans multiple pages. When running the report in “modify” mode, the header is only visible in “page layout” view and not in “edit report” view.
- **Report Body** The main body of tab A contains three sections:
 - **Data Quality Issues Identified in this Report:** This section simply describes the eight separate data quality issues which are identified in this report. These issues, tagged B-J, are referenced by this letter/tag throughout the remainder of the report.

Tab	DATA QUALITY ISSUES IDENTIFIED IN THIS REPORT
B	Clients without Program Entry (during specified date range by specified provider(s))
C	Clients without a Service Transaction (during specified date range by specified provider(s))
D	Clients without an HPRP Service Activity (for one or more services during specified date range by specified provider(s))
E	Clients with an Non-HPRP Program Entry Type recorded
F	Clients with no Housing Status recorded (at time of program entry)
G	Clients which have one or more HPRP Type Program Entry before start date of grant
H	Clients which have one or more HPRP Service Activity before start date of grant
I	Clients which have one or more Services with both a Financial and a Non-financial HPRP Activity Type indicated

Diagram 2a

- **Summary:** This section is self explanatory and provides counts and percentages of identified issues (B-J).

SUMMARY								
	B	C	D	E	F	G	H	I
Total Clients	24	24	24	24	24	24	24	24
Clients Identified With This Issue	2	8	2	3	3	1	1	1
Percent Identified With This Issue	8.3%	33.3%	8.3%	12.6%	12.6%	4.2%	4.2%	4.2%

Diagram 2b

- **Detail by Client** This section lists the clients with data quality issues sorted by client id number. Issues which apply to the client are identified by “error?” in red font. Issues that do not apply are shown as “ok” in black font. This section may span multiple pages depending upon the number of records being examined.

DETAIL BY CLIENT									
Percentage of clients identified with one or more of these issues= 66.7% (16 of 24)									
Client Uid	B	C	D	E	F	G	H	I	
	Missing Program Entry	Missing Service Transaction	Missing HPRP Service Activity	Non-HPRP Entry Type	Missing Housing Status	Entry Prior to Grant Start	Service Prior to Grant Start	Double HPRP Service Activity	
1	336228	ok	Error?	ok	ok	ok	ok	ok	ok
2	336242	ok	Error?	ok	ok	ok	ok	ok	ok
3	336249	ok	ok	ok	Error?	ok	ok	ok	ok
4	336250	ok	ok	Error?	ok	ok	ok	ok	ok
5	336251	ok	ok	ok	ok	Error?	ok	ok	ok
6	336252	ok	Error?	ok	Error?	ok	ok	ok	ok
7	336253	ok	Error?	ok	ok	ok	ok	ok	ok
8	336256	Error?	ok	ok	ok	ok	ok	ok	ok
9	336257	ok	Error?	ok	ok	ok	ok	ok	ok
10	336258	ok	ok	Error?	ok	ok	ok	ok	ok
11	336259	ok	Error?	ok	Error?	ok	ok	ok	ok
12	336260	ok	ok	ok	ok	Error?	ok	ok	ok
13	336261	Error?	Error?	ok	ok	ok	ok	ok	ok
14	336262	ok	Error?	ok	ok	Error?	Error?	ok	ok
15	336263	ok	ok	ok	ok	ok	ok	Error?	ok
16	336264	ok	ok	ok	ok	ok	ok	ok	Error?

Diagram 2c

- **Report Footer** The report footer contains the title of the report, the name of the tab, the page number, the version number, and the date/time the report was run /printed. Like the header, the footer is only visible in page layout view when the report is run in modify mode.

Tab B thru I Detail: The report body of Tab B thru I displays the actual field values for all clients who were identified as having one of more data quality issue. The type of issue is identified, and the erroneous or conflicting values are highlighted in yellow. (See Diagram 3 and 4 below). In this example (Tab C) there are four clients identified as having no service transaction within the parameters specified. Three of the clients have no service transactions at all (noted as “null” in red font), while the fourth has a service, but it is outside of the date range for the report. Tabs B-I each show the detail related to one of the different types of errors and the fields that are displayed vary depending upon the error type.

HPRP QPR Data Quality Report

DETAIL BY CLIENT								
Clients without a Service Transaction (during specified date range by specified provider(s))								
Client ID#	Service Provide Provider	Service Uid	Service Provide Start Date	Entry Exit Uid	Entry Exit Provider Id	Entry Exit Type	Entry Exit Entry Date	Entry Exit Exit Date
336228	null	null	null	302056	HPRP Test Provider 1(8560)	HPRP	7/15/09	
336252	HPRP Test Provider 3(8562)	1592943	11/1/09	302052	HPRP Test Provider 3(8562)	HUD-40118	7/15/09	8/1/09
336257	null	null	null	302062	HPRP Test Provider 5(8570)	HPRP	8/18/09	
336262	null	null	null	302068	HPRP Test Provider 5(8570)	HPRP	8/18/06	

Diagram 3

DETAIL BY CLIENT								
Clients without a Service Transaction (during specified date range by specified provider(s))								
Client ID#	Service Provide Provider	Service Uid	Service Provide Start Date	Entry Exit Uid	Entry Exit Provider Id	Entry Exit Type	Entry Exit Entry Date	Entry Exit Exit Date
336228	null	null	null	302056	HPRP Test Provider 1(8560)	HPRP	7/15/09	
336252	HPRP Test Provider 3(8562)	1592943	11/1/09	302052	HPRP Test Provider 3(8562)	HUD-40118	7/15/09	8/1/09
336257	null	null	null	302062	HPRP Test Provider 5(8570)	HPRP	8/18/09	
336262	null	null	null	302068	HPRP Test Provider 5(8570)	HPRP	8/18/06	

Diagram 4

Tab J -Additional Information: This tab is a standard appendix which is included in all of the ART Gallery reports, and provided as a reference and trouble shooting document. It lists the parameters specified in the user prompts (Diagram 5) as well as the total number of clients for the specified Provider(s). Note: A breakdown by provider is not available in this report as in most of the ART Gallery reports. (Diagram 6).

User Prompt Field	Value(s) Selected
Enter Start Date of Grant:	5/1/09
Enter Start Date of Quarter:	7/1/09
Enter End Date of Quarter PLUS ONE DAY:	10/1/09
Select Provider(s):	HPRP Test Provider 1(8560); HPRP Test Provider 2(8561); HPRP Test Provider 3(8562); HPRP Test Provider 4(8563); HPRP Test Provider 5(8570)

Diagram 5

PROVIDER	Client Count
Count by Provider not available for this report. Combined client count for all providers=	23

Diagram 6

TECHNICAL NOTES:

1. Not all error types are identified in this report, and not all clients are tested for errors. The manner in which clients are identified for inclusion in the report’s results varies depending upon the type of error being targeted. The report uses nine queries, one for each type of error and one to identify a count of the total clients being examined. Below the criteria for each of the different error/issue types is described in greater detail then the short descriptions contained in the report itself:

Tab/error type B: Clients without Program Entry- To be included the client must have at least one service provided by one of the specified providers during specified date range of the grant, and no program entry by one of the specified providers during specified date range of the grant. Inactive clients, services and entries are excluded.

Tab/error type C: Clients without a Service Transaction- To be included the client must have at least one program entry into one of the specified providers during specified date range of the grant, and no service transaction during their time of

enrollment with that same provider, and during specified date range of the grant. Inactive clients, services and entries are excluded.

Tab/error type D: Clients without an HPRP Service Activity- To be included the client must have at least one service transaction without an HPRP Financial Assistance type activity or an HPRP Housing Relocation & Stabilization type activity indicated. The service transaction must also be by one of the specified providers during specified date range of the grant. Inactive clients and services are excluded.

Tab/error type E: Clients with a Non-HPRP Program Entry Type- To be included the client must have at least one program entry into one of the specified providers during specified date range of the grant with an entry type other than “HPRP” indicated. Inactive clients and entries are excluded.

Tab/error type F: Clients with no Housing Status recorded- To be included the client must have at least one program entry into one of the specified providers during specified date range of the grant without a corresponding answer to the Housing Status question at date/time of program entry. Inactive clients and entries are excluded.

Tab/error type G: Clients which have one or more HPRP Type Program Entry before start date of grant- To be included the client must have at least one HPRP type program entry into one of the specified providers before the specified date range of the grant. Inactive clients and entries are excluded.

Tab/error type H: Clients which have one or more HPRP Service Activity before start date of grant- To be included the client must have at least one service transaction, accompanied by an HPRP service activity designation, by one of the specified providers before the specified date range of the grant. Inactive clients and services are excluded.

Tab/error type I: Clients which have one or more Services with both a Financial and a Non-financial HPRP Activity Type indicated- To be included the client must have at least one service transaction with both an HPRP Financial Assistance Type Activity and an HPRP Housing Relocation & Stabilization Type Activity indicated. The Service transaction must also be by one of the specified providers during specified date range of the grant. Inactive clients and services are excluded. Instances of this type of error will be rare since ServicePoint has now been modified to prevent users from being able to record both an HPRP Financial Assistance Type Activity and a HPRP Housing Relocation & Stabilization Type Activity to a single service transaction.

2. It should be noted that this report identifies potential errors and in some cases the data displayed may be accurate. For example a Program design might include serving clients with both HPRP funded services and other services financed separately, and

may differentiate between the two by excluding the HPRP Activity designation from the latter. In such a case Tab D would show a count despite the legitimacy of the data.

REPORT MODIFICATION:

Users with ad-hoc ART licenses may wish to modify/customize this report to better suit their needs and purposes. When modifying an Art Gallery report such as this one, the user will need to make a copy of the original report into a different folder. This copy can be created either by using the “save as” feature or by clicking on the “organize” icon in folder view.

NOTE: The original un-modified version of this report must be retained in the “ART Gallery” folders. These folders are read-only so that changes cannot be inadvertently made to the original version. Since the “ART Gallery” folders are a read-only folder, any/all copies of the report for modification purposes must be made into some other folder.

MODIFICATION OPTIONS:

Ad-hoc users may choose to customize this report to include only the types of errors relevant to a specific program or specific grouping of programs. The report has been designed in such a way as to facilitate such modification. To remove an un-needed error element from the report, the ad-hoc user need only:

- Delete the irrelevant row(s) from the listing in Tab A
- Delete the irrelevant column(s) from the “Summary” section of Tab A
- Delete the irrelevant column(s) from the “Client Detail” section of Tab A
- Delete the irrelevant detail tab(s) from the report.

Experienced ad-hoc users also will be able to include additional error elements in the report if needed. This would be done by constructing additional error identification queries according to the logic utilized in this report, and by adding related rows, columns, report tabs and variables.

MAPPING OBJECTS

UNIVERSE: template_u; template_ee_u; template_service_u;

This report is mapped to the client universe, entry exit universe and service universe and should be copied to your Public or Favorite folder then mapped to the equivalent universes for your site (ex. *yoursite_u*; *yoursite_ee_u*; and *yoursite_service_u*).

Since the report utilizes multiple universes you will need to run the template process three times for the three different universes. Each time the process will only show the queries that match the chosen universe.

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
no activity (service universe)	Client Uid	Location: Client Type: System field Use: Results object
	Service Provide Provider	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service Provide Start Date	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service HPRP Financial Assistance Type	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service HPRP Housing Relocation & Stabilization Service Provided	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service Uid	Location: Services Transactions Type: System field Use: Results object/Sub-query section
	Service Code	Location: Services Transactions Type: System field Use: Results object
	Service Code Description	Location: Services Transactions Type: System field Use: Results object
	Client Inactive	Location: Client Type: System field Use: Sub-query filter
	Service Inactive	Location: Services Transactions Type: System field Use: Sub-query filter

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
wrong type (entry-exit universe)	Client Uid	Location: Client Type: System field Use: Results object
	Entry Exit Entry Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Exit Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Entry Provider Id	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Entry Type	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Uid	Location: Entry Exit Type: System field Use: Results object/Sub-query section
	Entry Exit Inactive	Location: Entry Exit Type: System field Use: Sub-query filter
	Client Inactive	Location: Client Type: System field Use: Sub-query filter

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
no status (entry-exit universe)	Client Uid	Location: Client Type: System field Use: Results object
	Entry Exit Entry Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Exit Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Entry Provider Id	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Uid	Location: Entry Exit Type: System field Use: Results object/Sub-query section
	Housing Status	Location: Entry Objects Type: Standard Assessment Field Use: Results object/Sub-query filter

	Entry Exit Inactive	Location: Entry Exit Type: System field Use: Sub-query filter
	Client Inactive	Location: Client Type: System field Use: Sub-query filter

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
Early entry (entry-exit universe)	Client Uid	Location: Client Type: System field Use: Results object
	Entry Exit Entry Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Exit Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Entry Provider Id	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Type	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Uid	Location: Entry Exit Type: System field Use: Results object/Sub-query section
	Entry Exit Inactive	Location: Entry Exit Type: System field Use: Sub-query filter
	Client Inactive	Location: Client Type: System field Use: Sub-query filter

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
early service (service universe)	Client Uid	Location: Client Type: System field Use: Results object/Sub-query section
	Service Provide Provider	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service Provide Start Date	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service Uid	Location: Services Transactions Type: System field Use: Results object/Sub-query section

	Service Code Description	Location: Services Transactions Type: System field Use: Results object
	Service HPRP Financial Assistance Type	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service HPRP Housing Relocation & Stabilization Service Provided	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Client Inactive	Location: Client Type: System field Use: Sub-query filter
	Service Inactive	Location: Services Transactions Type: System field Use: Sub-query filter

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
no entry (client universe) NOTE: THIS IS A MINUS TYPE COMBINE QUERY	Client Uid	Location: Client Type: System field Use: Results object /Sub-query section
	Service Uid	Location: Services Transactions Type: System field Use: Results object/Sub-query section
	Service Provide Start Date	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service Provide Provider	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Entry Exit Uid	Location: Entry Exit Type: System field Use: Results object/Sub-query section
	Entry Exit Entry Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Exit Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Entry Provider Id	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Type	Location: Entry Exit Type: System field Use: Results object/Sub-query filter

	Client Inactive	Location: Client Type: System field Use: Sub-query filter
	Service Inactive	Location: Services Transactions Type: System field Use: Sub-query filter
	Entry Exit Inactive	Location: Entry Exit Type: System field Use: Sub-query filter

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
no service (entry-exit universe)	Client Uid	Location: Client Type: System field Use: Results object /Sub-query section
	Entry Exit Uid	Location: Entry Exit Type: System field Use: Results object/Sub-query section
	Entry Exit Entry Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Exit Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Entry Provider Id	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Service Uid	Location: Services Transactions Type: System field Use: Results object/Sub-query section
	Entry Exit Type	Location: Entry Exit Type: System field Use: Results object
	Service Provide Start Date	Location: Services Transactions Type: System field Use: Results object
	Service Provide Provider	Location: Services Transactions Type: System field Use: Results object
	Client Inactive	Location: Client Type: System field Use: Sub-query filter
	Entry Exit Inactive	Location: Entry Exit Type: System field Use: Sub-query filter

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
double activity (service universe)	Client Uid	Location: Client Type: System field Use: Results object/ Sub-query section
	Service Provide Provider	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service Provide Start Date	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service HPRP Financial Assistance Type	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service HPRP Housing Relocation & Stabilization Service Provided	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service Uid	Location: Services Transactions Type: System field Use: Results object/Sub-query section
	Service Code Description	Location: Services Transactions Type: System field Use: Results object
	Client Inactive	Location: Client Type: System field Use: Sub-query filter
	Service Inactive	Location: Services Transactions Type: System field Use: Sub-query filter

QUERY NAME	FIELD NAME	LOCATION/TYPE/USE
all clients in range (client universe) NOTE: THIS IS A UNION TYPE COMBINE QUERY	Client Uid	Location: Client Type: System field Use: Results object /Sub-query section
	Service Uid	Location: Services Transactions Type: System field Use: Results object/Sub-query section
	Service Provide Start Date	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Service Provide Provider	Location: Services Transactions Type: System field Use: Results object/Sub-query filter
	Entry Exit Uid	Location: Entry Exit Type: System field Use: Results object/Sub-query section

	Entry Exit Entry Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Exit Date	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Entry Provider Id	Location: Entry Exit Type: System field Use: Results object/Sub-query filter
	Entry Exit Type	Location: Entry Exit Type: System field Use: Results object
	Client Inactive	Location: Client Type: System field Use: Sub-query filter
	Entry Exit Inactive	Location: Entry Exit Type: System field Use: Sub-query filter