

Multi-Item Data Analysis Tool—MIDAT User Guide

August 2021

What is the MIDAT and who has access to it?

The Multi-Item Data Analysis Tool, or MIDAT, is a reporting tool that allows users to analyze Child and Family Services Review (CFSR) and Continuous Quality Improvement (CQI) review data by item rating and by case characteristic and compare ratings across a maximum of 7 Onsite Review Instrument and Instructions (OSRI) items. The MIDAT also provides case-level details with hyperlinks that go directly to an individual case in the Online Monitoring System (OMS). Another feature of the MIDAT is the provision of Rationale Statements for selected items in a single document.

OMS users with the role of Site Leader, State Administrator, or Observer have access to the MIDAT tool in their state's CFSR or CQI Review.

Instructions

Once you have logged into the portal and navigated to the OMS, select your state's CFSR or CQI Review, select the OSRI, and access "REPORTS" via the listing across the top of the page. The OSRI Reports page will look different depending upon the types of reports you have access to. The MIDAT tool will appear under the heading "Analysis and Visualization."

Figure 1: Accessing the MIDAT

The screenshot shows the OSRI Reports page in the ANYSTATE CFSR portal. The navigation menu at the top includes HOME, REVIEW SUMMARY, ADMIN TOOLS, CASES, REPORTS (circled in red), DATA INDICATORS, HELP, and LOGOUT. The main content area is titled "OSRI Reports" and is divided into three columns:

- Common Reports** [SHOW DESCRIPTION]: Site List
- Case-Level Reports** [SHOW DESCRIPTION]: Complete OSRI, Case Rating Summary, Case History Logs, Case QA Notes, Item Rating Rationale Statements
- Review-Level Reports** [SHOW DESCRIPTION]: Case Counts by Type of Case, Case Counts by Review Month, Face Sheet Report, Case Participants Interviewed, State Rating Summary, Case Progress Report, Item Rating Summary, Narratives for "No" Responses, Ratings by Case, Overridden Ratings, QA Notes, State Case Elimination, Practice Performance Report
- Item-Specific Reports** [SHOW DESCRIPTION]: Item 1 Report through Item 18 Report
- Analysis and Visualization** [SHOW DESCRIPTION]: Multi-Item Data Analysis Tool (circled in red with a "NEW" badge)

Filters

The first page you see is the main filter screen, which lists the filters you use to build the report. Users must make selections in two filters in order to run a report: Item and PUR Start Date. For all but one of the remaining filters, the default setting is to include all data (i.e., not to filter). The one exception is for the Case Status filter, which is pre-selected to include only Approved and Final cases.

The two required fields allow users to filter by:

Item: Includes each Item number 1-18 from the OSRI

PUR Start Date: The Period Under Review start date from Face Sheet question C

Figure 2: MIDAT Main Filter Screen—Item and PUR Filter Required

OSRI
Onsite Review Instrument

HOME REVIEW SUMMARY ADMIN TOOLS CASES REPORTS DATA INDICATORS HELP LOGOUT

ANYSTATE CFSR

Multi-Item Data Analysis Tool

The Multi-Item Data Analysis Tool allows you to view data by Item rating and compare ratings across a maximum of 7 OSRI Items, and by case characteristic. You may view the results as charts, data tables, or by the Individual cases that meet selected criteria. Access the Case-Level Details and Rationale Statements from a chart or data table to view that subset of cases, or select the Case-Level Details or Rationale Statements tab to view all cases. Download the results as Excel or PDF files. If you exit the report, upon your return you can reload the last report filters used.

Report Filters

Report Filters allow you to limit the universe of cases being pulled into the report. Only 2 filters are required—Item and PUR Start Date—while Case Status is pre-selected to include only Approved and Final cases. By default, if you don't select any filters, all of the cases will automatically be included when you run the report. You can use the filters to target the report to certain case characteristics by selecting checkboxes under the filters.

Item (required)

CLEAR SELECTIONS

<input type="checkbox"/> Item 1	<input type="checkbox"/> Item 7	<input type="checkbox"/> Sub-Item 12A	<input type="checkbox"/> Item 16
<input type="checkbox"/> Item 2	<input type="checkbox"/> Item 8	<input type="checkbox"/> Sub-Item 12B	<input type="checkbox"/> Item 17
<input type="checkbox"/> Item 3	<input type="checkbox"/> Item 9	<input type="checkbox"/> Sub-Item 12C	<input type="checkbox"/> Item 18
<input type="checkbox"/> Item 4	<input type="checkbox"/> Item 10	<input type="checkbox"/> Item 13	
<input type="checkbox"/> Item 5	<input type="checkbox"/> Item 11	<input type="checkbox"/> Item 14	
<input type="checkbox"/> Item 6	<input type="checkbox"/> Item 12	<input type="checkbox"/> Item 15	

PUR Start Date (required)

CHECK ALL

2021

2019

CLEAR SELECTIONS

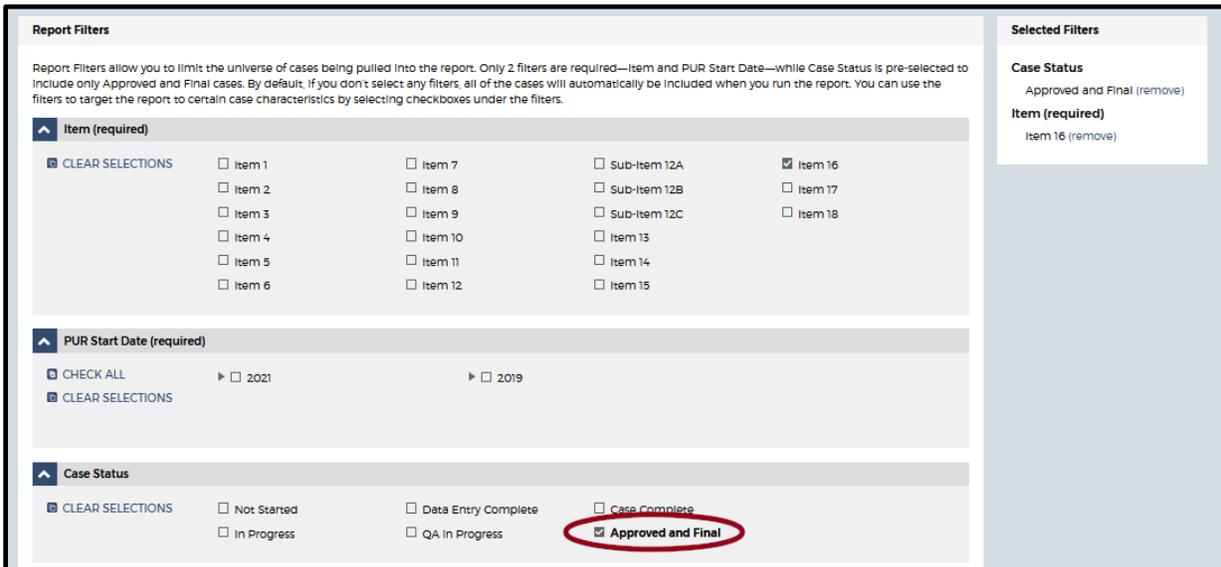
Selected Filters

Case Status

Approved and Final (remove)

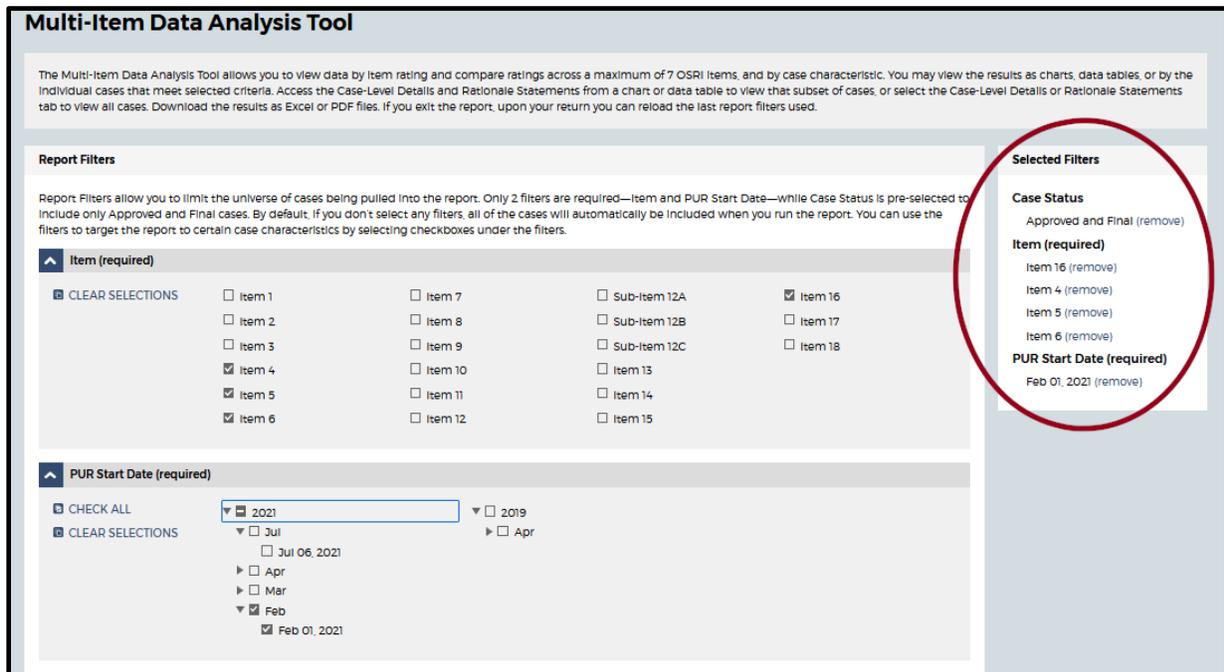
Although Case Status is pre-selected for only Approved and Final cases, users may select other options depending on what they want included in the report. No further selections are necessary for running a report, as any filter you leave untouched will default to including all data from that section.

Figure 3: MIDAT Main Filter Screen—Case Status Filter Pre-Selected Required



Notice that as you begin making selections within each filter, those selections will appear in the Selected Filters frame on the right side of the screen.

Figure 4: MIDAT Main Filter Screen—Selected Filters



Remember, the remaining filters are preselected to include all data sets within each filter heading and only need to be changed if you want to limit the data sets included in the report. Some of these filters apply to all cases, but some of them apply to foster care (FC) cases alone. These filters include:

1. Case Status
2. Case Type
3. Site
4. Case Review Year/Month
5. PIP Monitored
6. Case Opened During PUR
7. Reason for Case Opening
8. Case Opened for Reasons Other Than Child Abuse and Neglect
9. Length of Time Case Open
10. Age (as of case opening)
11. Age (as of date of review)
12. Gender
13. Race
14. Ethnicity
15. Number of Children in Family
16. Length of Time in Foster Care (FC only)
17. Foster Care Removal Prior to PUR (FC only)
18. Foster Care Removal During PUR (FC only)
19. Permanency Goal (FC only)
20. Placement Type (FC only)
21. Placed With Relatives (FC only)
22. Number of Placements During PUR (FC only)

Selecting a specific age, gender, race, or ethnicity from the filter list will pull both foster care and in-home services cases as follows:

- For foster care cases, the target child must meet the selected filter criteria.
- For in-home services cases, *any* child must meet the selected filter criteria.

If you select a filter that applies only to foster care cases, only foster care cases will be pulled into the data set. You will receive an error message if you limit the report to in-home services and select any of the foster care-only filters.

Figure 5: MIDAT Report—Filter Selection Error Message

The screenshot displays the filter selection interface for a MIDAT report. It features a list of filter categories on the left, each with a dropdown arrow. The categories include Case Type, Site, Case Review Year/Month, PIP Monitored, Case Opened During PUR, Reason for Case Opening, Case Opened for Reasons Other than Child Abuse and Neglect, Length of Time Case Open, Age (as of case opening), Age (as of date of review), Gender, Race, Ethnicity, Number of Children in Family, and Length of Time in Foster Care (FC only). The 'Case Type' and 'Length of Time in Foster Care (FC only)' sections are expanded. In the 'Case Type' section, the 'In-Home Services' checkbox is selected, and a red error message is displayed: "Please do not select In-Home Services since Foster Care filters are selected." In the 'Length of Time in Foster Care (FC only)' section, the '18-23 Months' checkbox is selected, and another red error message is displayed: "Please do not select Length of Time in Foster Care since In-Home Services are selected." Both error messages are circled in red. At the bottom of the page, there is a small text label: "Most recent physical removal date to discharge date".

After making any changes to your data selections, select “RUN REPORT” located at the bottom of the page to generate your MIDAT report.

Figure 6: MIDAT Main Filter Screen—Run Report

The screenshot displays the MIDAT Main Filter Screen. It features several filter categories, each with a dropdown arrow on the left. The categories are: Gender, Race, Ethnicity, Number of Children in Family, Length of Time in Foster Care (FC only), Foster Care Removal Prior to PUR (FC only), Foster Care Removal During PUR (FC only), Permanency Goal (FC only), Placement Type (FC only), Placed with Relatives (FC only), and Number of Placements During PUR (FC only). The 'Number of Children in Family' and 'Placement Type (FC only)' sections are expanded, showing a grid of checkboxes for various options. A 'CLEAR SELECTIONS' button is present in both expanded sections. Below the filters, there are two buttons: 'LOAD PREVIOUS FILTER SELECTION' and 'RUN REPORT'. The 'RUN REPORT' button is circled in red.

MIDAT Report Layout

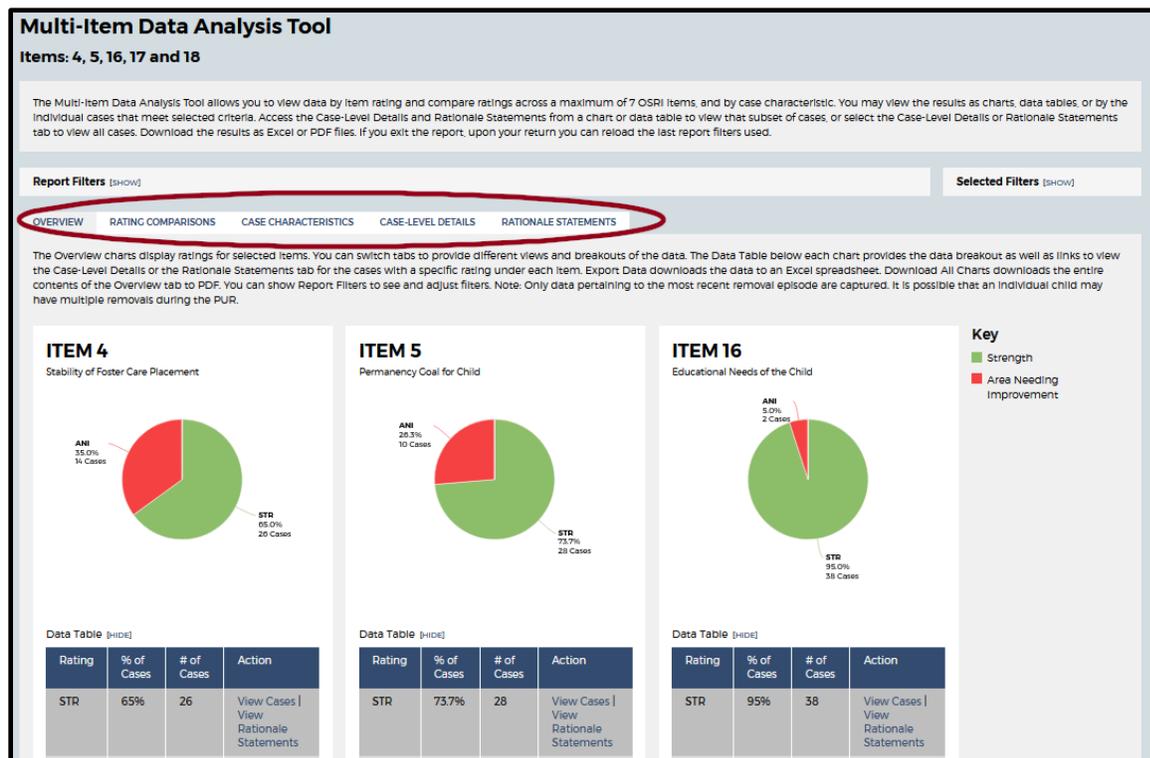
The MIDAT Report layout consists of three main sections: the five analysis tabs and associated data, tab descriptions, and easy access to the filters.

The Five Analysis Tabs and Associated Data:

1. Overview
2. Rating Comparisons
3. Case Characteristics
4. Case-Level Details
5. Rationale Statements

Associated data can be found below each tab in the form of charts and tables.

Figure 7: MIDAT Report—Five Tabs



Descriptions for each tab appear above the data display on all five tabs (see Figure 8 below).

The Overview tab: Displays ratings for each item selected on the filter page. Cases that are Not Applicable for the item are not included in the totals (count and percentage) but are included in the data table so that you can review them. Clicking on the values in the circle graph takes you to the case-level details for those cases. You can also view case-level details or Rationale Statements for the individual item rating in the data table. Clicking on “EXPORT DATA” will open an XLSX file with the data table contents, while clicking on “DOWNLOAD ALL CHARTS” will open a pdf in a separate window with all the graphs and data tables.

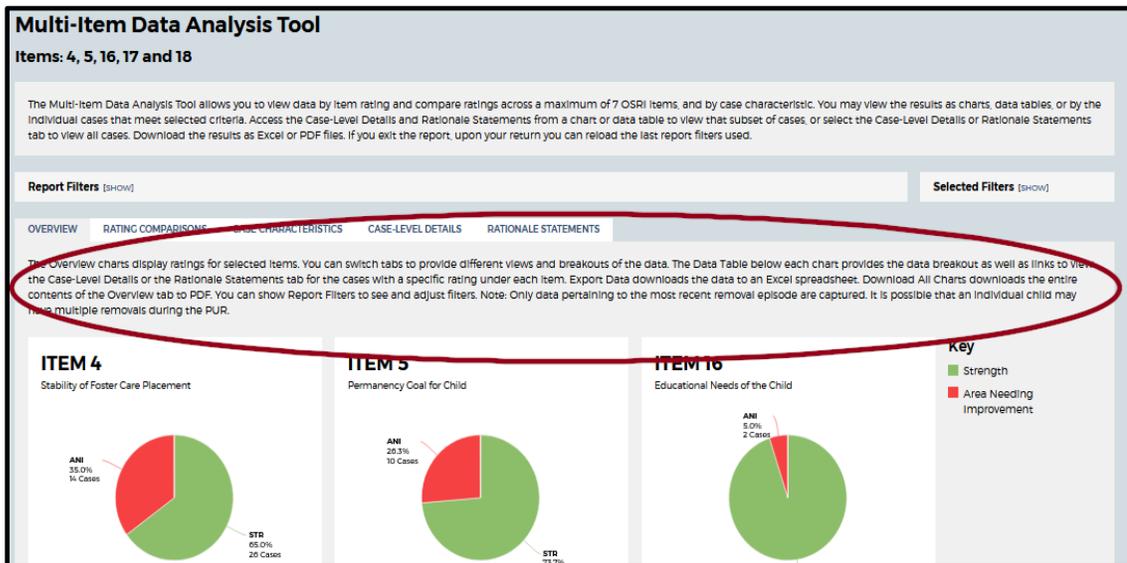
The Rating Comparisons tab: Displays a comparison of item ratings. The first graphic provides data on cases that share the same rating across all of the items selected. The subsequent graphs separate each item by the two ratings to provide a comparison of how cases rated in other items. You can view the case-level details and Rationale Statements for the data breakout and export the data and graphics.

The Case Characteristics tab: Allows you to analyze the data by a selected case characteristic. The top graphic shows how all cases in the query break out by the case characteristic, while the subsequent graphs break out by item rating. Some characteristics in the Case Characteristics tabs may be applied across all cases. However, many of the characteristics—in particular, the ones listed as FC only, including child-specific characteristics—are limited in their application to foster care cases with an identified target child. You can view the case-level details and Rationale Statements for the data breakout and export the data and graphics.

The Case-Level Details tab: Displays a listing of all the cases, similar to what you would see in the OMS item-specific reports. You can sort by any column by clicking on the arrows next to the column name. Clicking “DISPLAY SELECTED FILTERS ONLY” will limit the view to only the filters you specifically selected when you created the report. Each case name is a hyperlink to the case itself. You should open only one case at a time, as having multiple cases open in a browser simultaneously can have unintended consequences. You can also export the case listing to an XLSX file.

The Rationale Statements tab: Displays all the ratings and Rationale Statements for each item selected. The results can be sorted, and each row includes a hyperlink to the specific case. Users can export the tab’s content into an XLSX file for further analysis.

Figure 8: MIDAT Report—Tab Description



A special note about accessing data from links within tabs: When clicking on a *link from a chart or data table* to access the Case-Level Details and Rationale Statements, you will be viewing that *subset of cases* (see Figure 9 below). To view the Case-Level Details and Rationale Statements for *all the cases in your query*, you must navigate to the Case-Level Details and Rationale Statements *tab* (see Figure 10 below).

Example: Notice that in Figure 9, by clicking on the link “View Cases” or “View Rationale Statements,” you will see data for the associated 26 cases (just the cases rated Strength (STR), not the cases rated Area Needing Improvement (ANI) or Not Applicable (NA)). In Figure 10, you see that clicking on the Case-Level Details or Rationale Statements tab presents data for all 65 cases in the query (the STR, ANI, and NA cases).

After you click “View Cases” or “View Rationale Statements” to see a subset of cases, any subsequent navigation or filter changes will reload all the cases in your query (i.e., “View Cases” and “View Rationale Statements” are only a single, temporary view).

Figure 9: MIDAT Report—Link Displays Subset in Data Query

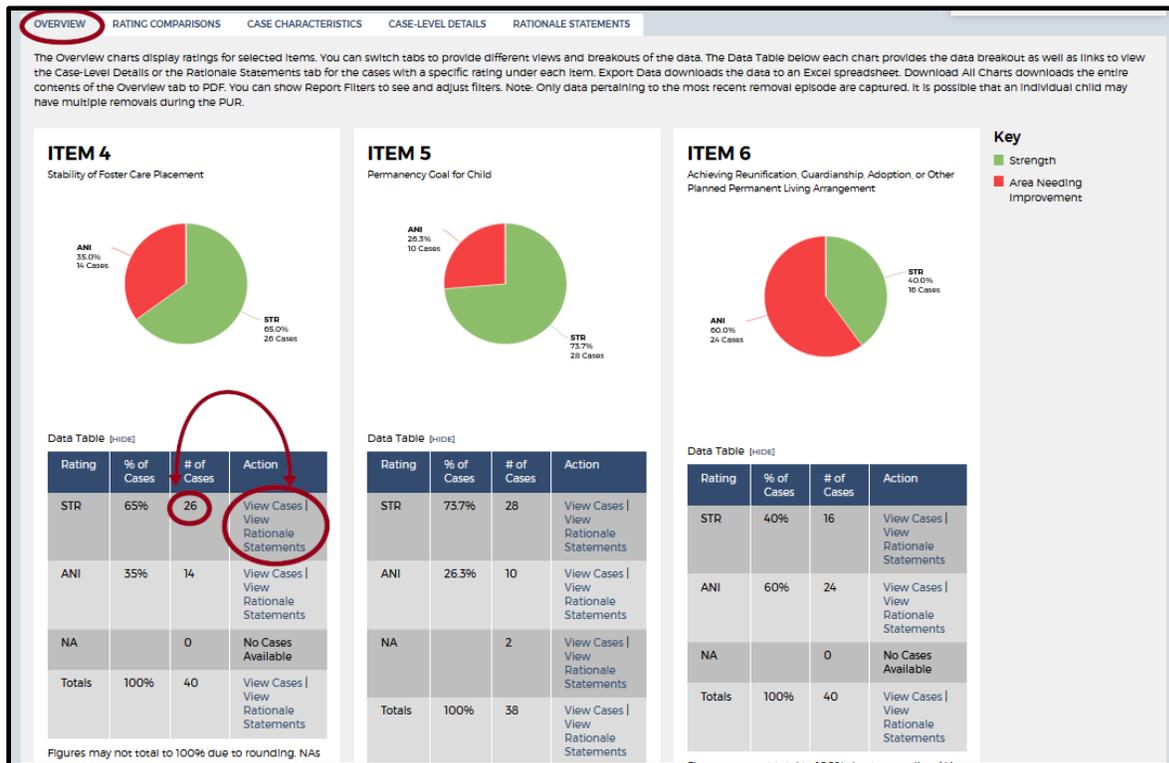
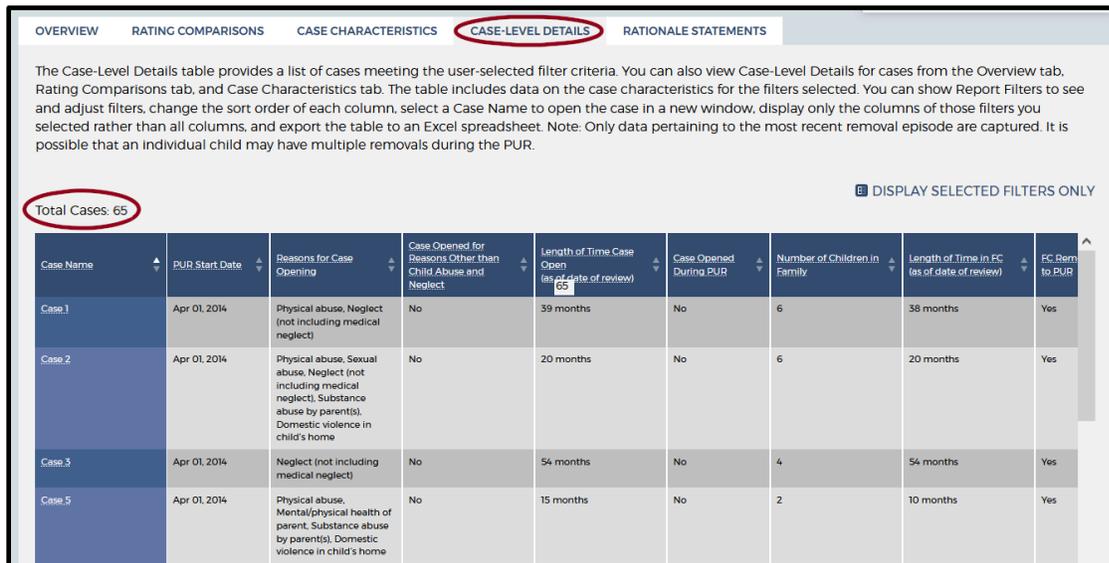


Figure 10: MIDAT Report—Tab Displays All Cases in Data Query



From the Case-Level Details tab, you can select “DISPLAY SELECTED FILTERS ONLY” to limit the view to only the filters you specifically selected when you created the report. Filters appear as column headings; selecting “DISPLAY SELECTED FILTERS ONLY” will ensure that

only the columns for selected filters appear in the table. Unselecting “DISPLAY SELECTED FILTERS ONLY” will display all of the table’s columns.

Figure 11: MIDAT Report—Columns Affected by Display Selected Filters Only

OVERVIEW RATING COMPARISONS CASE CHARACTERISTICS CASE-LEVEL DETAILS RATIONALE STATEMENTS

The Case-Level Details table provides a list of cases meeting the user-selected filter criteria. You can also view Case-Level Details for cases from the Overview tab, Rating Comparisons tab, and Case Characteristics tab. The table includes data on the case characteristics for the filters selected. You can show Report Filters to see and adjust filters, change the sort order of each column, select a Case Name to open the case in a new window, display only the columns of those filters you selected rather than all columns, and export the table to an Excel spreadsheet. Note: Only data pertaining to the most recent removal episode are captured. It is possible that an individual child may have multiple removals during the PUR.

Total Cases: 26

DISPLAY SELECTED FILTERS ONLY

Case Name	PUR Start Date	Reasons for Case Opening	Case Opened for Reasons Other than Child Abuse and Neglect	Length of Time Case Open (as of date of review)	Case Opened During PUR	Number of Children in Family	Length of Time in FC (as of date of review)	EC Rem to PUR
Case 1	Apr 01, 2014	Physical abuse, Neglect (not including medical neglect)	No	39 months	No	6	38 months	Yes
Case 2	Apr 01, 2014	Physical abuse, Sexual abuse, Neglect (not including medical neglect), Substance abuse by parent(s), Domestic violence in child's home	No	20 months	No	6	20 months	Yes
Case 3	Apr 01, 2014	Neglect (not including medical neglect)	No	54 months	No	4	54 months	Yes
Case 5	Apr 01, 2014	Physical abuse, Mental/physical health of parent, Substance abuse by parent(s), Domestic violence in child's home	No	15 months	No	2	10 months	Yes

From any MIDAT report tab, you can change your filter settings by clicking on “[SHOW]” next to “Report Filters”. You can view the “Selected Filters” pane to reference which filters are applied or to easily remove filters. After making your necessary changes to the filters, you must click “Run Report” to apply the new selections. You can return to the data presentation tab by clicking “[HIDE]”.

Figure 12: MIDAT Report—Changing Filter Options

Multi-Item Data Analysis Tool
Items: 4, 5, 6, 16, 17 and 18

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Report Filters Selected Filters

OVERVIEW RATING COMPARISONS CASE CHARACTERISTICS CASE-LEVEL DETAILS RATIONALE STATEMENTS

The Overview charts display ratings for selected items. You can switch tabs to provide different views and breakdowns of the data. The Data Table below each chart provides the data for the Case-Level Details or the Rationale Statements tab for the cases with a specific rating under each item. Export Data downloads the data to an Excel spreadsheet. Download or print the contents of the Overview tab to PDF. You can show Report Filters to see and adjust filters. Note: Only data pertaining to the most recent removal episode are captured. It is possible that an individual child may have multiple removals during the PUR.

ITEM 4
Stability of Foster Care Placement

Data Table

Rating	% of Cases	# of Cases	Action
STR	65%	26	View Cases View Rationale Statements

ITEM 5
Permanency Goal for Child

Data Table

Rating	% of Cases	# of Cases	Action
STR	73.7%	28	View Cases View Rationale Statements

ITEM 6
Achieving Reunification, Guardianship, Adoption, or Other Planned Permanent Living Arrangement

Data Table

Rating	% of Cases	# of Cases	Action
STR	40%	16	View Cases View Rationale Statements

Selected Filters

Item (required)

- Item 4 (remove)
- Item 5 (remove)
- Item 6 (remove)
- Item 16 (remove)
- Item 17 (remove)
- Item 18 (remove)

PUR Start Date (required)

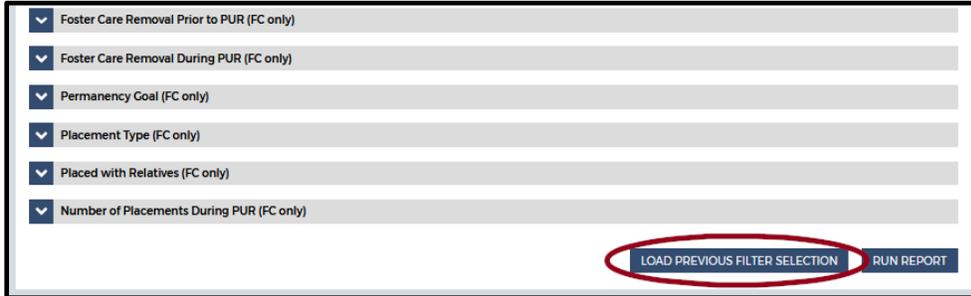
- Sep 01, 2014 (remove)
- Aug 01, 2014 (remove)
- Jul 01, 2014 (remove)
- Jun 01, 2014 (remove)
- May 01, 2014 (remove)
- Apr 01, 2014 (remove)

Case Status

- Approved and Final (remove)

At the start of a new session, upon logging in to the OMS and navigating to the MIDAT report page, you can restore your previous filter selections by clicking on “LOAD PREVIOUS FILTER SELECTION” at the bottom of the Main Filter screen.

Figure 13: MIDAT Report—Restore Previous Filter Selection



You can return to the main report listing by clicking “BACK TO REPORT LISTING” at the bottom of any page within the five tabs.

Figure 14: MIDAT Report—Return to Report Listing

