



TRAC | Transformation Accountability
Center for Mental Health Services

**Transformation Accountability (TRAC)
Center for Mental Health Services**

**NOMs Client-level Measures for
Programs Providing Direct Treatment Services
(Services Activities)**

Outcome Reports—Training Presentation
(Outcome Measures, Consumer-Level Outcome Measures, Multi-Year Outcome Measures, Point
in Time, and Cross Tabulation & Frequency Reports)

November 2015
Version 6

This presentation discusses the outcomes reports available in TRAC. There are five outcomes reports. The Outcome Measures Report, the Consumer-Level Outcome Measures, Multi-Year Outcome Measures, The Point in Time report, and the Cross Tabulation & Frequency Report; All of which are extremely useful once you have Services data entered in TRAC.



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Training Outcomes

By the end of this presentation, you should:

- ✓ Be able to access the TRAC system WesDax Reports
- ✓ Have a general understanding of the four reports

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By the end of this presentation, you should:

- Be able to access the TRAC system WesDax Reports and have a general understanding of the four reports that we are covering.



Important Points

Reports are:

- ✓ Available to CMHS staff and Grantees
- ✓ New users may not have access for up to 36 hours
- ✓ Updated once every 24 hours

Outcome Measures reports require data at two time points:

- ✓ Will not populate much data for the first 6 months of the grant

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There are a few important points to remember regarding the Reports in the TRAC system.

Reports in the TRAC system are available to both grantees and CMHS staff.

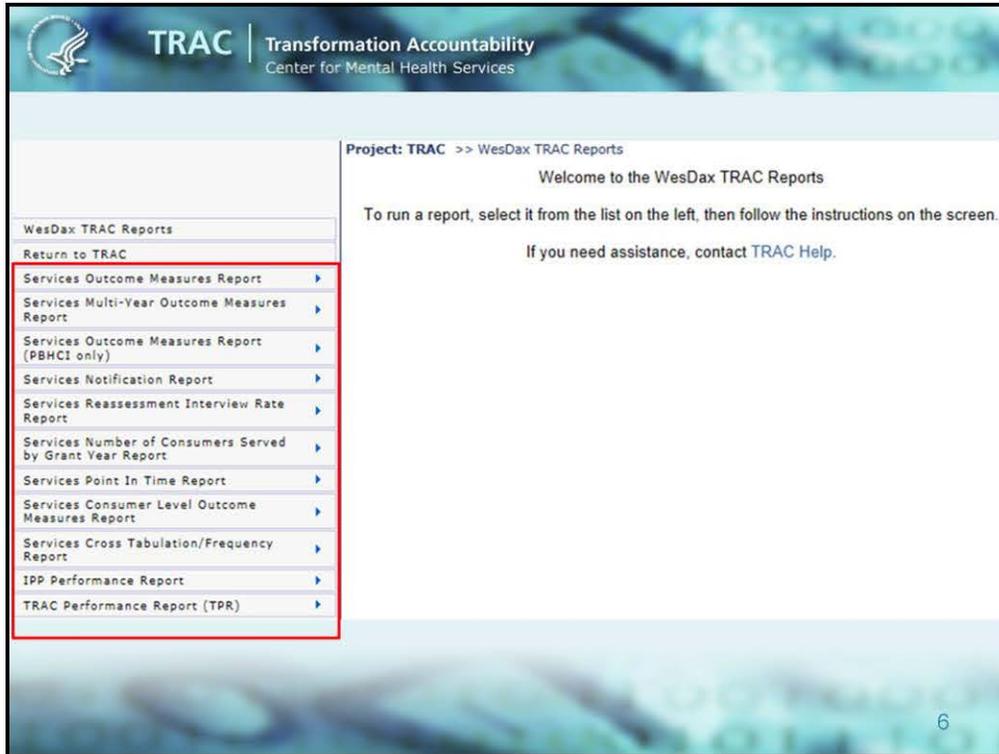
The reports are generated once every 24 hours, and the “data entered as of” time shows the time it was last generated. This means that the report only includes data that were entered as of that time.

If your account was recently approved, you may not have access to the reports for up to 36 hours.

In order for the Outcome Reports to show data, your grant will need to have data for two time points (example: baseline and reassessment) so most of the time, a grant will not show data for about 6 months.

The screenshot displays the TRAC (Transformation Accountability Center for Mental Health Services) website. At the top left is the TRAC logo and name. The main content area features a welcome message and a login form with fields for 'Username:' and 'Password:', and a 'Login' button. A red box highlights the login form. To the right is a vertical navigation menu with items: Home, General Info & Training, My Account, Contact Us, Data Entry, Reports (highlighted with a red box), Data Download, Change Password, and Logout. Below the navigation menu is a section titled 'Reports' with a paragraph of text and a red-bordered hyperlink labeled 'WesDax TRAC Reports System'. A left sidebar contains a secondary navigation menu with items: General Info & Training, My Account, Contact Us, Data Entry, Reports (highlighted with a blue bar), and Data Download. The page number '5' is visible in the bottom right corner.

There are three steps to access the TRAC reports. First log into TRAC , second click Reports on the left menu, then click the WesDax TRAC Reports hyperlink in the middle of the screen.



The reports, known as WesDax TRAC Reports, will open in a new window. Your original TRAC session will be running in a separate window and may time out when you are working in the WesDax TRAC Reports window. If you need assistance with the reports you can click the TRAC Help link to email the Help Desk.

You will see reports based on your role, for example a GPO at CMHS will see some reports that a Project Director at a grant won't see. The reports are listed in the left menu of the WesDax TRAC Reports window.

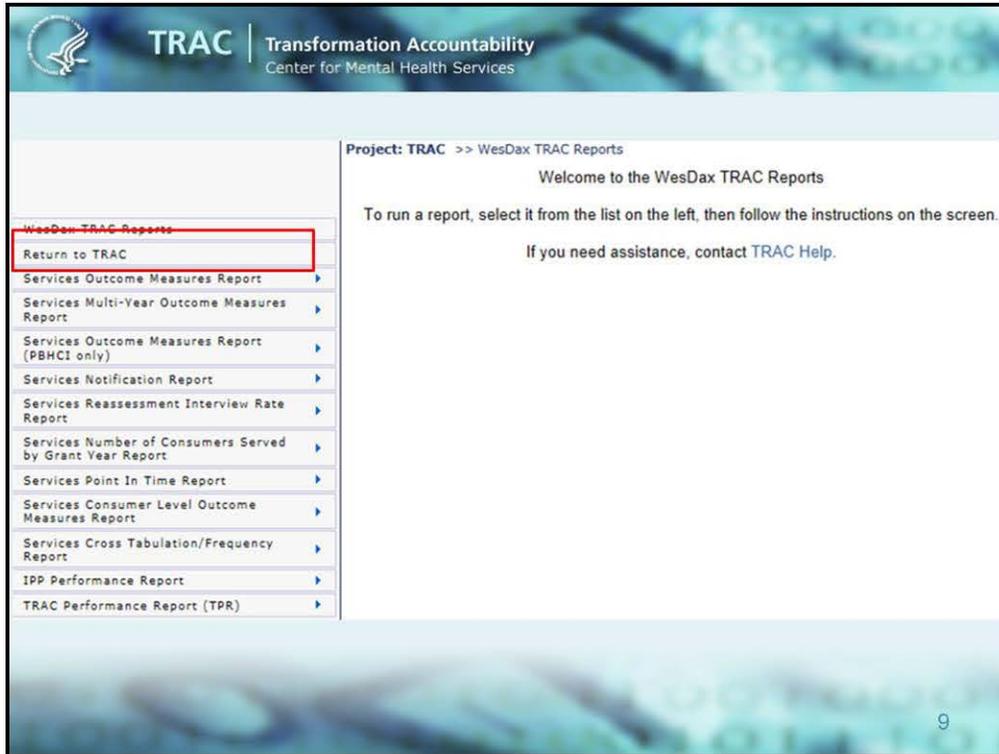


To run a report, click on the report name in the menu. A pop up menu will appear for all reports, Program List and Grant List. You must select Program or Grant List. The only report that doesn't have program list as an option is the Services Consumer Level Report as this can only be run by Grant.

If you only have access to one grant it makes the most sense to select Grant List as this will run the report by the grant for which you have access. The Program List will allow you to run the reports by programs to which you have access. This is a good choice if you have access to grants in multiple programs.

The screenshot displays the TRAC (Transformation Accountability Center for Mental Health Services) web application. The header includes the TRAC logo and name. The main content area shows a breadcrumb trail: "Project: TRAC >> Services Reassessment Interview Rate Report >> Grant List". Below this, the report title "Services Reassessment Interview Rate Report" is displayed, followed by instructions: "To run a default report, select 'View'." and "To customize your report, use the menu on the right to make selections." A table with two columns, "Document Description" and "Action", is shown. The "Document Description" column contains "Services Reassessment Interview Rate Report", and the "Action" column contains a "View" link, which is highlighted with a red box. To the right of the table is a configuration panel with several dropdown menus: "Output as" (set to PDF), "Report By" (set to By Grant), "Grant Status" (set to Active grants only), "FFY - Federal Fiscal year" (set to 2014), and "FFY Quarter" (set to All quarters). The page number "8" is visible in the bottom right corner of the screenshot.

After you pick either Program or Grant List you will see the report specific screen. This allows you to run a default report by clicking view or to make selections to customize the report. Detailed information about the default and customized reports will be provided in the report specific trainings.



If you want to return to TRAC from the reports window click Return to TRAC in the left menu. As mentioned previously, your TRAC session may have timed out while you were in the reports. If this happens you will need to log into TRAC again.



The Outcome Measures Report.

A copy of this presentation as well as the Outcome Measures Report Guide can be found on the TRAC Website under General Info & Training → Services/NOMs Client Level Measures > Report Guides and Presentations.



Outcome Measures Report

Purpose: Summarizes information about changes in the outcomes of consumers served by CMHS grants.

- Allows comparisons between baseline and later interviews.
- Summarizes data for all consumers within a grant, program(s), or CMHS as a whole; does not show individual, client-level data

This Report summarizes information about changes in the outcomes of consumers' served by CMHS grants. For example, this report can be used to compare the percentage of consumers reporting positive functioning outcomes at the baseline interview to the percentage of consumers reporting positive functioning outcomes at a reassessment or discharge interview. This information is summarized for all consumers within a grant, program(s), or CMHS as a whole; the report does not show individual client level data.

Please note that you will only be able to access data for programs/grants that you are associated with.



Outcome Measures Report

Key Points:

- Counts the number of consumers with valid data at both Baseline and second interview (i.e., reassessment or discharge)
- Only active episode of care is included
 - ✓ Consumers who were discharged, then returned are only counted once
- Outcome (second interview) occurs in the FFY shown

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For the Outcome Measures report the counts shown are the number of consumers with valid data at the baseline and the second interviews.

The report compares each consumer's baseline measure to his/her outcomes at the Reassessment or discharge interview. This information is then aggregated across consumers and displayed in the report at the grantee or program level. Consumer level data is not presented in the report.

For the Outcome Measures report, only the active episode of care is reported. So for example, if a consumer received treatment and was interviewed, left treatment and returned for an additional episode of care, his or her interviews from the current or active episode are shown.

Lastly, FFY refers to when the outcome or second interview occurred. The baseline could have occurred within the same FFY or an earlier FFY.

Appendix A of your guide describes how the outcomes are calculated.



Filters

Ability to include only specific consumers in the report based on:

- Federal Fiscal Year (FFY)
- Federal Fiscal Year (FFY) Quarter
- Grant Status
- Data Collection Status
- Assessment
- Population
- Region
- Program or Grant

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When running the report you have the ability to filter your results. You can filter by the following criteria:

Federal Fiscal Year (FFY) – You can choose one FFY or choose All Years Combined.

Federal Fiscal Year (FFY) Quarter – You can also choose to run the report for a specific quarter within a select FFY.

Grant Status – If you have access to more than one grant, you can run the report by grant status by including only active grants, or all grants. An active grant is one that is still in progress, while an inactive one has ended. However, most users will only have access to one grant and it will be active.

Data Collection Status – If you have entered reassessments that were conducted outside of the window of eligibility, you can choose to run the report to either include those, or to only include those done within the data collection window.

Assessment – The report can be filtered to look at outcomes from:

- Baseline to 1st 6 month reassessment;
- Baseline to most recent interview; and
- Baseline to discharge.

NOTE – The comparison of baseline to most recent interview could include reassessment and discharge interviews.

Population – The report can be filtered by multiple population groups.

Region allows you to filter the report based on HHS regions. The default is all regions.

Program or Grant – And finally, you can specify which grants or programs you want to be included in the report.



Report Inclusion Rules

Must have completed:

- ✓ A Baseline interview; and
 - ✓ Either a Reassessment or Discharge interview
-
- Cannot be administrative interviews/records

For a consumer to be included in the Outcome Measures Report they must have completed a baseline interview and the interview you want to compare it to. These cannot be administrative interviews. Since the report is comparing data between two time points, both time points must have been completed for a consumer to be included.



Client-level Measures—Services Tool

- Functioning
- Retention
- Stability in Housing
- Education and Employment
- Crime and Criminal Justice
- Social Connectedness
- Perception of Care

- Overall health
- Perception of everyday functioning
- Psychological Distress
- Substance use, tobacco use, and binge drinking

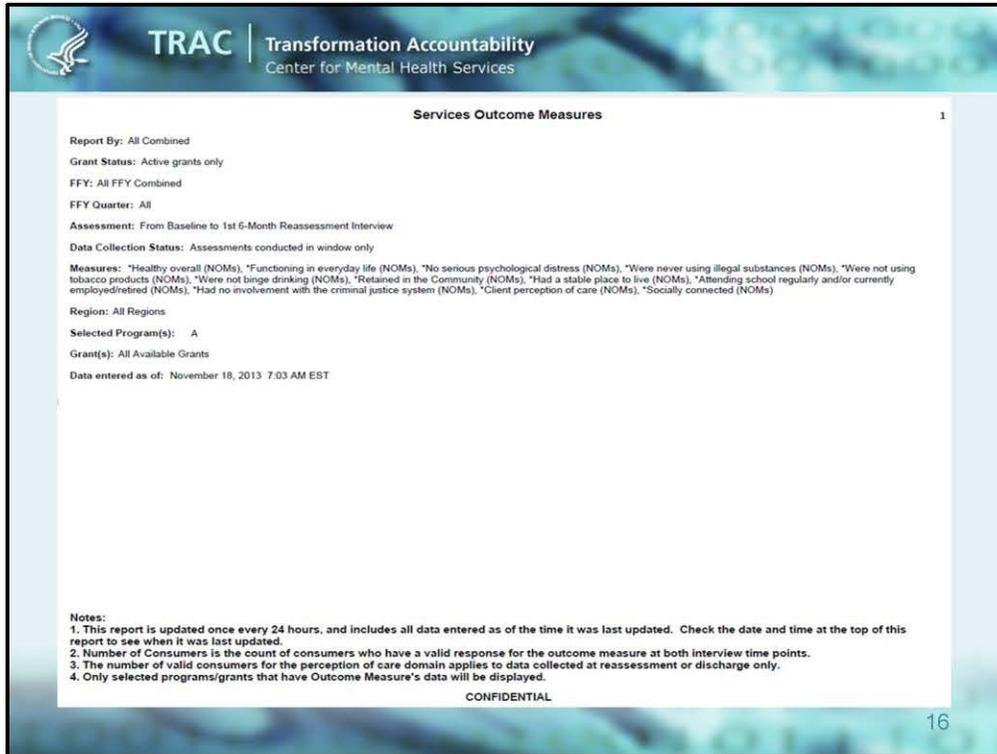
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Before we move on to review an example of an Outcomes Measures Report, I want to take a moment to review the NOMs Client-level Measures.

The outcomes being measured in the Outcome Measures Report are listed on this slide.

There are several functioning outcomes, including: overall health, perception of everyday functioning, psychological distress, illegal substance use, tobacco use and binge drinking.

Additionally, retention in the community, stability in housing, education and employment status, criminal justice involvement, social connectedness, and perception of care are also measured in this report.



Report cover page– There is a report cover page as the first page of the report. This displays the Program(s) or Grant(s) name; the selected reporting period (All FFY); and the selected assessment (baseline to first reassessment) as well as any other filters applied to the report. The footnotes for the report also appear on the cover page.

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Services Outcome Measures

National Outcome Measures (NOMs)	Number of Consumers	Positive at Baseline	Positive at Second Interview	Outcome Improved	Percent Change
Functioning: Were healthy overall	13925	52.4%	59.5%	17.4%	13.6%
Functioning: Were functioning in everyday life	22281	41.3%	56.1%	58.3%	33.3%
Functioning: No serious psychological distress	12520	64.6%	73.6%	16.6%	13.9%
Functioning: Were never using illegal substances	11738	77.1%	83.1%	11.9%	7.9%
Functioning: Were not using tobacco products	12544	42.4%	43.7%	5.4%	3.1%
Were not binge drinking	12199	90.1%	91.2%	5.9%	1.2%
Retention: Retained in the Community	14058	78.9%	90.1%	15.4%	14.1%
Stability in Housing: had a stable place to live in the community	22365	66.5%	75.5%	15.4%	13.5%
Education and Employment: were attending school regularly and/or currently employed/retired	20745	34.5%	38.2%	10.5%	10.5%
Crime and Criminal Justice: had no involvement with the criminal justice system	21933	95.8%	98.4%	3.9%	2.8%
Perception of Care ³ : client perception of care	22114	N/A	72.3%	N/A	N/A
Social Connectedness: were socially connected	22057	0.0%	93.1%	100%	0.0%

CONFIDENTIAL

*Please note this report is an example and does not contain real data.

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This is an example of an Outcome Measures Report. You can choose to have the report output as an HTML, PDF, RTF, or Excel file. The system defaults to a PDF, which is what is on this slide.

Report Columns: Reading the report columns from *left to right*, the report shows seven pieces of information for your grant(s) or program(s).

- 1. The National Outcome Measures or NOMs:** These include functioning, retention, stability in housing, education and employment, crime and criminal justice, perception of care, and social connectedness outcomes.
- 2. The Number of Consumers:** which is the number of individual consumers that are used in each calculation
- 3. Positive at baseline:** this is the percentage of individual consumers that had a positive outcome at baseline
- 4. Positive at second interview:** which is the percentage of individual consumers that had a positive outcome at the second interview selected (whether reassessment or discharge)

5. **Outcome improved** is the percentage of individual consumers that improved between the first and second interview.
6. **Percent Change** is the percent increase (or decrease) in the number of consumers positive at the second interview compared to baseline. It is calculated as $([\% \text{ Positive at Second Interview}] - [\% \text{ Positive at Baseline}]) / [\% \text{ Positive at Baseline}] \times 100$.

As you are reading through the report you can see that information is provided in these columns for each of the National Outcome Measures.

NOTE – Perception of Care will always have a N/A displayed for Percent at Baseline, Outcome Improved, and Percent Change. This is because the Perception of Care questions are not asked at baseline.

As I said previously, if you used the filters, the results will be suppressed if there are less than 5 consumers in any row of the report. This is shown by an “S”, and is done to protect the identity of consumers.

Using the sample report above, I’d like to show you how to interpret the data.

- We’ll use the first outcome shown in the report, “Functioning, were healthy overall”, to look at what the numbers mean for the rest of the columns.



What do the Numbers Mean?

Number of Consumers

Services Outcome Measures

National Outcome Measures (NOMs)	Number of Consumers	Positive at Baseline	Positive at Second Interview	Outcome Improved	Percent Change
Functioning: Were healthy overall	13925	52.4%	59.5%	17.4%	13.6%
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Were not binge drinking	12199	90.1%	91.2%	5.9%	1.2%
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Education and Employment: were attending school regularly and/or currently employed/retired	20745	34.5%	38.2%	10.5%	10.5%
Crime and Criminal Justice: had no involvement with the criminal justice system	21933	95.8%	98.4%	3.9%	2.8%
Perception of Care ³ : client perception of care	22114	N/A	72.3%	N/A	N/A
Social Connectedness: were socially connected	22057	0.0%	93.1%	100%	0.0%

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Looking at the first row and first column, **Number of Consumers**,

13,925 consumers answered Question B1: How would you rate your **overall health** right now with a valid response for the baseline interview AND the 1st 6 month reassessment. For example, if the consumer answered don't know, refused, or was missing data for this question it is considered not valid.

Note: The numbers shown in this column may be different for each measure because some consumers may not have valid responses at both time points. For example looking at the next row, "Functioning, Were functioning in everyday life", 22,281 consumers had valid data for the baseline interview and 1st 6-month reassessment for the Functioning questions (B2a-h). Depending upon the program and when the grantees started data collection of the NOMs, some outcomes may have large differences in the numbers of consumers included in the analyses. The outcomes with smaller numbers of consumers were added to the data collection tool more recently, and so for programs that have been collecting data since 2009, the report shows there are fewer numbers of consumers with valid data at both time periods for those measures.



What do the Numbers Mean?

B1: How would you rate your **overall health** right now?

- 13,925 consumers answered (baseline & second interview) with a “valid response”
- Valid responses include:



Poor



Fair



Good



Very
Good



Excellent

Keep in mind using the example in the previous slide, data in this report includes only valid responses which are the options of: poor, fair, good, very good, or excellent. So it does not include when the response was “missing”, “don’t know”, or “refused”.



What do the Numbers Mean?

Services Outcome Measures

National Outcome Measures (NOMs)	Number of Consumers	Positive at Baseline	Positive at Second Interview	Outcome Improved	Percent Change
Functioning: Were healthy overall	13925	52.4%	59.5%	17.4%	13.6%
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Social Connectedness: were socially connected	22057	0.0%	93.1%	100%	0.0%

For the column Positive at Baseline the report shows that

52.4% of the 13,925 consumers were healthy overall (meaning the consumer answered “good”, “very good” or “excellent” to question B1) at the baseline interview.

The next column, Positive at Second Interview shows that

59.5% of the 13,925 consumers were healthy overall (meaning the consumer answered “good”, “very good” or “excellent” to question B1) at the 1st 6-month reassessment.

As shown in the column Outcome Improved

17.4% of the 13,925 consumers improved from baseline to the 1st 6-Month Reassessment. This means they went from negative at first interview to positive at the second interview.

For functioning in everyday life, no serious psychological distress and socially connected the outcome is considered improved if the consumer showed **any** improvement and does not necessarily mean that these consumers went from negative at Baseline to positive at the 1st 6-month reassessment. It is possible for consumers to remain negative – or remain positive – at both intervals and still have the outcome improved for these three measures. For all other measures the consumer must go from a negative outcome at first interview to a positive outcome at the second interview.



What do the Numbers Mean?

B1: How would you rate your **overall health** right now?

- **52.4% Positive at Baseline**
- **59.5% Positive at Second Interview**
- Percentage of consumers that answered:



Good



**Very
Good**



Excellent

Percent Positive is the percentage of consumers that said “Good”, “Very Good”, or “Excellent” to the question, “How would you rate your overall health right now?”. In our example 52.4% of the consumers who answered question B1 answered with “Good”, “Very Good”, or “Excellent”. At the second interview time point 59.5% of the consumers that answered question B1 answered with “Good”, “Very Good”, or “Excellent”.



What do the Numbers Mean?

B1: How would you rate your **overall health** right now?

- **17.4% Outcome Improved**
- Percentage of consumers that had a negative outcome at first interview and a positive outcome at second interview.

IMPROVED =



Poor



Fair



Good



Very Good



Excellent

Outcome Improved is the percentage of consumers that outcome went from negative (poor or fair) at the first interview to positive (good, very good, or excellent) at the second interview. This means they went from not healthy to healthy. For example a consumer who said “Poor” at Baseline and “Good” at second interview is considered improved. A consumer who responded poor at the first interview and fair at the second interview is not considered improved because the outcome is still a negative outcome.



What do the Numbers Mean?

Percent Change

Services Outcome Measures

National Outcome Measures (NOMs)	Number of Consumers	Positive at Baseline	Positive at Second Interview	Outcome Improved	Percent Change
Functioning: Were healthy overall	13925	52.4%	59.5%	17.4%	13.6%
Functioning: Were functioning in everyday life	22281	41.3%	56.1%	58.3%	33.3%
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Crime and Criminal Justice: had no involvement with the criminal justice system	21933	95.8%	98.4%	3.9%	2.8%
Perception of Care ² : client perception of care	22114	N/A	72.3%	N/A	N/A
Social Connectedness: were socially connected	22057	0.0%	93.1%	100%	0.0%

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Percent Change

This grant had an 13.6% increase in the number of consumers who reported being healthy overall at baseline compared to the second interview. - This is calculated as: $([\% \text{ Positive at Second Interview}] - [\% \text{ Positive at Baseline}]) / [\% \text{ Positive at Baseline}] \times 100$. In the example above, the calculation is $(59.5\% - 52.4\% / 59.5\%) \times 100 = 13.6\%$.

Note: This number can be negative which would indicate that the grant had a decrease in the number of consumers who reported positive outcomes at the second interview compared to their baseline.



What do the Numbers Mean?

B1: How would you rate your **overall health** right now?

- **Percent change**

- ✓ Grant-level measure of improvement (not client-level)
- ✓ Includes only consumers with “positive overall health”



Good



**Very
Good**



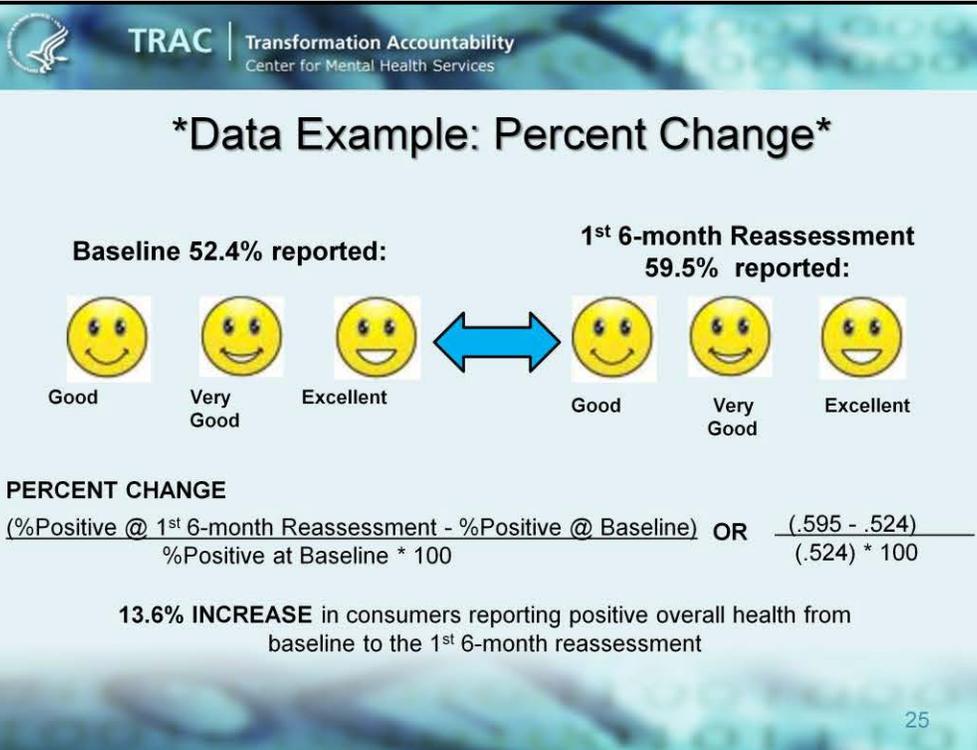
Excellent

- **Compares:**

Group (%+) from baseline → Group (%+) at 1st 6-month Reassessment

So when you think about percent change – remember that it is a grant level measure about the change in group of consumers who had positive overall health. This isn't a person-level measure of improvement.

Percent change looks only at the consumers that said “Good”, “Very Good”, or “Excellent” to the question, “How would you rate your overall health right now?”. The percentage of people that answered one of these three responses at baseline is compared to the percentage that said one of these three responses at the 1st 6-month reassessment (for this example).



So looking one last time at the 13.6 percent change, this tells us that there was a 13.6% increase in the number of consumers who answered good, very good, or excellent from baseline to the 1st 6-month reassessment. This doesn't tell us how many consumers improved. This can be found in the Outcome Measures Report.



The Consumer Level Outcome Measures Report. A copy of this presentation as well as the Consumer Level Outcome Measures Report Guide will be posted on the TRAC Website under General Info & Training → Services/NOMs Client-level Measures → Report Guides & Presentations.



Consumer Level Outcome Measures Report

Purpose: Presents outcomes analyses at the consumer level.

- Allows comparisons between baseline and later interviews or other combinations of two time points.
- Shows individual, client-level data

This Report displays information about outcomes of consumers'. For example, this report can be used to look at healthy overall for all consumers for your grant. You can view individual consumer responses/outcomes scores and whether or not the outcome improved for the consumer between the two selected interview time points.

Please note that you will only be able to access data for grants that you are associated with.



Consumer Level Outcome Measures Report

Key Points:

- Shows consumers with valid data for at least one interview and shows outcome improved for consumers with data at both the first and second interview
- Only active episode of care is included
 - ✓ For consumers who were discharged, then returned the current episode of care is shown

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For the Consumer Level Outcome Measures report consumers are shown that have valid data for at least one of the selected interview time points.

The consumers' response is shown at each selected interview time point.

The report also shows if the outcome improved for the consumer between the two interviews. This is determined by comparing the consumer's first interview measure to his/her outcome at the second interview. For the outcome improved column to have a yes or no the consumer must have valid data at both selected interview time points.

For the Consumer Level Outcome Measures report, only the active episode of care is reported. So for example, if a consumer received treatment and was interviewed, left treatment and returned for an additional episode of care, his or her interviews from the current or active episode are shown.

The Appendix of your guide describes how the outcomes are calculated.

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Report Criteria

The following report criteria are available:

- Grant Status
- Consumer ID/Exact Match
- Assessment
- Data Collection Status
- Measures
- Show Glossary
- Grant

Consumer ID

Exact Match
No

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When running the report you have the ability to filter your results. You can filter by the following criteria:

Grant Status – If you have access to more than one grant, you can run the report by grant status by including only active grants, or all grants. An active grant is one that is still in progress, while an inactive one has ended. However, most users will only have access to one grant and it will be active.

Consumer ID-You can run the report for an individual consumer by entering the consumer ID in the Consumer ID search box and selecting yes for the Exact Match drop down. You can run the report for a group of consumers by entering text in the Consumer ID search box and selecting no for the Exact Match drop down. This will return results for any consumers with an ID that contains the search criteria.

Assessment – The report can be run for several combinations of assessments.

- At Baseline Only-The report will only show data for Baseline interviews. This means there will only be data for the first interview and not for second interview or outcome improved.
- From Baseline to 1st 6-Month Reassessment Interview.
This is the default selection. It compares the baseline interview to the first 6-month reassessment. Since change is most likely to occur between baseline and the first reassessment, this report is likely to show the most change.

- From Baseline to most recent interview.
- From Baseline to Discharge Interview.
- From 1st 6-Month Reassessment Interview to Most Recent Interview.
- From 1st 6-Month Reassessment Interview to the Discharge Interview.
- From the Second Most Recent Interview to the Most Recent Interview- This will compare the two most recent interviews for the consumer.

Data Collection Status – If you have entered reassessments that were conducted outside of the window of eligibility, you can choose to run the report to either include those, or to only include those done within the data collection window.

Grant – And finally, you can specify which grants you want to be included in the report, if you have access to more than one.



Report Inclusion Rules

Must have completed:

- ✓ An interview for the first selected interview time point
or
- ✓ The second selected interview time point
- ✓ Cannot be administrative interviews/records
- Has a Baseline only option

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For a consumer to be included in the Consumer Level Outcome Measures Report they must have a completed interview for at least one of the selected interviews. It cannot be an administrative interview. Since the report is comparing data between two time points, both time points must have been completed for a consumer for outcome improved to be determined.

For the Baseline Only selection, as long as a consumer has baseline data they will show in the report.



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Services Consumer Level Outcome Measures Report

Grant Status: All grants
Consumer ID: ABC1234
Exact Match: Yes
Assessment: From Baseline to 1st 6-Month Reassessment Interview
Data Collection Status: Assessments conducted in window only
Measures: *Healthy overall (NOMs); *Functioning in everyday life (NOMs); *No serious psychological distress (NOMs); *Were never using illegal substances (NOMs); *Were not using tobacco products (NOMs); *Were not binge drinking (NOMs); *Retained in the Community (NOMs); *Had a stable place to live (NOMs); *Attending school regularly and/or currently employed/retired (NOMs); *Had no involvement with the criminal justice system (NOMs); *Socially connected (NOMs)
Show Glossary: No
Selected Program(s): Prog1
Grant(s): SM0001
Data entered as of: January 14, 2014 7:01 AM

***Indicates NOMs Measure**

NOTES:

1. This report is updated once every 24 hours, and includes all data entered as of the time it was last updated. Check the date and time at the top of this report to see when it was last updated
2. A dash "-" alone indicates that the consumer did not have valid data at the interview. Outcome Improved is only calculated if the consumer has a valid response for the outcome measure at both interview time points.
3. Functioning in Everyday Life is considered positive if the mean of the TRAC NOMs questions B2a-B2h is greater than 3.5.
4. No serious psychological distress is considered positive if the mean of the TRAC NOMs questions B3a-B3f is < 13.
5. For MAI-TCE grants, "Were never using illegal substances" the number displayed is the sum of days entered in TRAC for questions B4g-B4t and therefore can be greater than 30.
6. Global Assessment of Functioning is considered positive if the GAF score entered in TRAC is >= 81.
7. Social Connectedness is considered positive if the mean of TRAC NOMs questions G1a-G1d is greater than 3.5.
8. "No Change" under Outcome Improved indicates that the two time points had the same response.

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Report cover page – There is a report cover page as the first page of the report. This displays the Grant Status, Consumer ID (if you selected to run the report for a specific consumer ID); the selected assessment (baseline to first 6 month reassessment), the data collection status included, the outcome measures selected, the Grant, as well as the data entered as of date.

The footnotes for the report also appear on the cover page. Please note that the criteria for a positive outcome for the outcomes that show as a score are shown here in the footnotes.



2

Services Consumer Level Outcome Measures Report

Grant ID	Consumer ID	National Outcome Measure (NOMs)	First Interview Score/ Response	Second Interview Score/ Response	Outcome Improved
SM0001	ABC1234	*Healthy overall (NOMs)	Poor	Fair	No
SM0001	ABC1234	* Functioning in everyday life (NOMs)	3.25	4.00	Yes
SM0001	ABC1234	* No serious psychological distress (NOMs)	8	7	Yes
SM0001	ABC1234	* Were never using illegal substances (NOMs)	Never	Weekly	No
SM0001	ABC1234	* Were not using tobacco products (NOMs)	Never	Never	No change
SM0001	ABC1234	* Were not binge drinking (NOMs)	B4b= Never	B4b= Never	No change
SM0001	ABC1234	* Retained in the Community (NOMs)	Yes 0	Yes 0	No change
SM0001	ABC1234	* Had a stable place to live in the community (NOMs)	Owned or rented house, apartment, trailer, room	Group Home	No
SM0001	ABC1234	* Attending school regularly and/or currently employed/retired (NOMs)	D3= Unemployed, disable	D3= Unemployed looking for work	No
SM0001	ABC1234	*Had no involvement with the criminal justice system (NOMs, # of arrests in past 30 days)	2	0	Yes
SM0001	ABC1234	*Socially connected	3.8	4.5	Yes

*Please note this report is an example and does not contain real data.

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This is an example of the Consumer Level Outcome Measures Report. You can choose to have the report output as an HTML, PDF, RTF, or Excel file. The system defaults to a PDF.

Report Columns: Reading the report columns from *left to right*, the report shows six pieces of information for each row.

1. **Your Grant ID**
2. **The Consumer ID**
3. **The National Outcome Measures or NOMs:** These include functioning, retention, stability in housing, education and employment, crime and criminal justice, and social connectedness outcomes.
4. **The First Interview Score/Response:** which is the actual response or score the consumer provided at the first interview time point
5. **The Second Interview Score/Response:** which is the actual response or score the consumer provided at the second interview time point
6. **Outcome improved** is a yes/ no to indicate if the consumer improved between the first and second interview.

Using the sample report above, I'd like to review the data in the report.



First or Second Interview Score/Response

Grant ID	Consumer ID	National Outcome Measure (NOMs)	First Interview Score/ Response	Second Interview Score/ Response	Outcome Improved
SM0001	ABC1234	*Healthy overall (NOMs)	Poor	Fair	No
SM0001	ABC1234	* Functioning in everyday life (NOMs)	3.25	4.00	Yes
SM0001	ABC1234	* No serious psychological distress (NOMs)			Yes
SM0001	ABC1234	* Were never using illegal substances (NOMs)	Never	Weekly	No
SM0001	ABC1234	* Were not using tobacco products (NOMs)	Never	Never	No change
SM0001	ABC1234	* Were not binge drinking (NOMs)	B4b= Never	B4b= Never	No change
SM0001	ABC1234	* Retained in the Community (NOMs)	Yes 0	Yes 0	No change
SM0001	ABC1234	* Had a stable place to live in the community (NOMs)	Owned or rented house, apartment, trailer, room	Group Home	No
SM0001	ABC1234	* Attending school regularly and/or currently employed/retired (NOMs)	D3= Unemployed, disable	D3= Unemployed looking for work	No
SM0001	ABC1234	*Had no involvement with the criminal justice system (NOMs, # of arrests in past 30 days)	2	0	Yes
SM0001	ABC1234	*Socially connected	3.8	4.5	Yes

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Looking at the first row and columns, **First Interview Score/Response and Second Interview Score/Response.**

We can see that this consumer answered poor to the question **B1) How would you rate your overall health right now?** At the first interview, in this case the baseline interview.

We can see the consumer answered fair to the same question at the first 6 month reassessment.



Outcome Improved

Grant ID	Consumer ID	National Outcome Measure (NOMs)	First Interview Score/ Response	Second Interview Score/ Response	Outcome Improved
SM0001	ABC1234	*Healthy overall (NOMs)	Poor	Fair	No
SM0001	ABC1234	* Functioning in everyday life (NOMs)	3.25	4.00	Yes
SM0001	ABC1234	* No serious psychological distress (NOMs)	8	7	Yes
SM0001	ABC1234	* Were never using illegal substances (NOMs)	Never	Weekly	No
SM0001	ABC1234	* Were not using tobacco products (NOMs)	Never	Never	No change
SM0001	ABC1234	* Were not binge drinking (NOMs)	B4b= Never	B4b= Never	No change
SM0001	ABC1234	* Retained in the Community (NOMs)	Yes 0	Yes 0	No change
SM0001	ABC1234	* Had a stable place to live in the community (NOMs)	Owned or rented house, apartment, trailer, room	Group Home	No
SM0001	ABC1234	* Attending school regularly and/or currently employed/retired (NOMs)	D3= Unemployed, disable	D3= Unemployed looking for work	No
SM0001	ABC1234	*Had no involvement with the criminal justice system (NOMs, # of arrests in past 30 days)	2	0	Yes
SM0001	ABC1234	*Socially connected	3.8	4.5	Yes

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As shown in the column Outcome Improved

No in this column under healthy overall for this consumer indicates that the consumer had a negative response at both interview time points. Improvement for Healthy overall requires a consumer to improve from a negative response (poor or fair) to a positive response (good, very good or excellent). Under functioning in everyday life there is a yes for improvement because the consumer went from a score of 3.25 to a 4. Improvement is also a yes under no serious psychological distress because the consumers score went down which for this outcome is improvement. Some outcomes will have a yes if the consumer showed **any** improvement and does not necessarily mean that this consumer went from a negative at Baseline to a positive at the 1st 6-month reassessment. For functioning in everyday life, no serious psychological distress, and socially connected; it is possible for consumers to remain negative – or remain positive – at both intervals and still have the outcome improved. The criteria for improvement for each outcome is shown in the guide for this report.



The Multi-Year Outcome Measures Report.

A copy of this presentation as well as the Multi-Year Outcome Measures Report Guide can be found on the TRAC Website under General Info & Training → Services/NOMs Client-level Measures → Report Guides & Presentations.



Multi-Year Outcome Measures Report

Purpose:

- Summarizes changes in the percentage of consumers reporting positive outcomes from Baseline to a second interview time point across multiple years
- Data summarized for all consumers within a grant, program(s), or CMHS as a whole; does not show individual, client-level data

This report shows across multiple years whether a grant or program had an increase or a decrease in the percent of consumers reporting positive outcomes from baseline to the second time point. This information is summarized for all consumer records within a grant, program(s), or CMHS as a whole; the report does not show individual client level data.



Multi-Year Outcome Measures Report

Key Points

- Counts the number of consumers with valid data at both Baseline and second interview (i.e., reassessment or discharge)
- Only active episode of care is included (consumers who were discharged, then returned are only counted once)
 - ✓ BUT consumer data is included in the count for each FFY in which they have valid reassessment data
- Outcome (second interview) occurs in the FFY shown

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Similar to the Outcome Measures report, the Multi-Year Outcome Measures report shows the number of consumers with valid data at the baseline and the second interviews.

The report compares each consumer's baseline measure to his/her outcomes at the Reassessment or discharge interview. This information is aggregated across consumers. The report then determines the percentage of consumers with a positive outcome at the two interview time points (Baseline and Reassessment or Discharge) and calculates the percent change for each outcome. This info is displayed in the report at the grantee or program level.

For the Multi-year Outcome Measures report, only the active episode of care is reported. So for example, if a consumer received treatment and was interviewed, left treatment and returned for an additional episode of care, his or her interviews from the current or active episode are shown. However, consumers that have data for more than one reassessment across multiple years will appear in the report multiple times. They will be shown in the count for the FFY in which they have valid reassessment data.

Which brings us to the last point: FFY refers to when the outcome or second interview occurred. The baseline could have occurred within the same FFY or an earlier FFY.

Appendix A of your guide describes how the positive outcomes are calculated.**



Client-level Measures—Services Tool

National Outcome Measures

- Functioning
- Retention
- Stability in Housing
- Education and Employment
- Crime and Criminal Justice
- Social Connectedness
- Perception of Care

Multi-Year Outcome Measures Report can also run reports based on the “inverse” of NOMs items:

- NOMs measure → “were using illegal substances”
- Inverse measure → “were not using illegal substances”

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Like, the Outcome Measures report we just discussed, Multi-year Outcome Measures Report, it uses the National Outcome Measures, or NOMs, as well.

There are several functioning outcomes, including: overall health, consumer perception of everyday functioning, psychological distress, illegal substance use, tobacco use and binge drinking.

Keep in mind, retention in the community, stability in housing, education and employment status, criminal justice involvement, social connectedness, and perception of care are also displayed in the reports.

This report differs from the Outcome Measures Report, in that it can include the inverse of several of the above mentioned outcomes. For example you can run the report by “were using illegal substances” and “were **not** using illegal substances”.



Filters

Ability to include only specific consumers in the report based on:

- Federal Fiscal Year (FFY)
- Grant Status
- Data Collection Status
- Assessment
- Population
- Measures
- Region or State
- Program or Grant

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When running the report you have the ability to filter your results. You can filter by the following criteria:

Federal Fiscal Year (FFY) – You can choose one FFY or choose All Years Combined.

Grant Status – If you have access to more than one grant, you can run the report by grant status by including only active grants, or all grants. An active grant is one that is still in progress, while an inactive one has ended. However, most users will only have access to one grant and it will be active.

Data Collection Status – If you have entered reassessments that were conducted outside of the window of eligibility, you can choose to run the report to either include those, or to only include those done within the data collection window.

Assessment – The report can be filtered to look at outcomes from:

- Baseline to 1st 6 month reassessment;
- Baseline to most recent interview; and
- Baseline to discharge.

NOTE – The comparison of baseline to most recent interview could include reassessment and discharge interviews.

Measures- Allows you to select which outcome measures to include in the report, the default is the NOMs.

Population – The report can be filtered by multiple population groups.

Region or State -allows you to filter the report based on HHS regions or states. The default is all regions and states.

Program or Grant – And finally, you can specify which grants or programs you want to be included in the report.



Report Inclusion Rules

Must have completed:

- ✓ A Baseline interview; and
 - ✓ Either a Reassessment or Discharge interview
-

- Cannot be administrative interviews/records

For a consumer to be included in the Multi-Year Outcome Measures Report they must have completed a baseline interview and the interview you want to compare it to. These cannot be administrative interviews. Since the report is comparing data between two time points, both time points must have been completed for a consumer to be included.



Report Cover page– There is a report cover page as the first page of the report. This displays the Program(s) or Grant(s) name; the selected reporting period (FFY 2013); and the selected assessment (baseline to first 6 month reassessment). All footnotes for the report are also shown on the cover page.



EXAMPLE MULTI-YEAR OUTCOME MEASURES REPORT*

Multi-year Outcome Measures Report

National Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Consumers	Percent Change										
* Healthy overall (NOMs)	0	0.0%	0	0.0%	12,261	10.5%	22,903	16.6%	9,016	15.2%	44,180	14.6%
* Functioning in everyday life (NOMs)	4,672	45.1%	7,765	36.0%	14,580	51.1%	23,458	31.1%	9,203	24.7%	57,417	32.4%
* No serious psychological distress (NOMs)	0	0.0%	0	0.0%	10,541	15.2%	21,140	14.0%	8,524	15.5%	41,201	14.2%
* Were never using illegal substances (NOMs)	0	0.0%	0	0.0%	10,820	8.2%	19,538	7.0%	7,706	4.4%	37,344	6.7%
* Were not using tobacco products (NOMs)	0	0.0%	0	0.0%	10,525	2.3%	21,220	5.4%	8,547	8.7%	40,292	2.5%
* Were not binge drinking (NOMs)	0	0.0%	0	0.0%	18,225	6.6%	20,571	1.5%	4,290	1.1%	30,334	4.1%
* Retained in the Community (NOMs)	0	0.0%	0	0.0%	12,599	11.9%	23,158	14.9%	9,107	14.6%	30,572	14.0%
* Had a stable place to live (NOMs)	4,735	9.7%	7,800	14.6%	14,509	14.7%	25,340	13.6%	9,009	14.5%	61,782	15.5%
* Attending school regularly and/or currently employed/retired (NOMs)	4,580	9.7%	6,120	8.9%	15,489	9.0%	22,534	11.9%	6,840	14.3%	23,978	11.5%
* Had no involvement with the criminal justice system (NOMs)	4,598	6.1%	7,558	5.2%	14,274	2.0%	25,085	1.3%	5,071	1.9%	60,275	2.5%
* Socially connected (NOMs)	4,609	17.8%	7,706	21.9%	14,325	15.7%	23,190	16.4%	9,089	26.1%	61,205	27.0%

* Indicates NOMs outcome

*Please note this report is an example and does not contain real data.

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This is an example of a Multi-Year Outcome Measures Report. You can choose to have the report output as an HTML, PDF, RTF, or Excel file. The system defaults to a PDF, which is what is on this slide.

Report Columns: Reading the report columns from *left to right*, the report shows three pieces of information for your grant(s) or program(s) for each FFY included and All years to date.

1. **The National Outcome Measures or NOMs:** These include functioning, retention, stability in housing, education and employment, crime and criminal justice, and social connectedness outcomes
2. **Number of Consumers-** is the number of consumers that have valid data at baseline and the second interview and are used in the percent change calculation
3. **Percent Change** is the percent increase (or decrease) in the number of consumers with a positive outcome at the second interview compared to baseline. It is calculated as $([\% \text{ Positive at Second Interview}] - [\% \text{ Positive at Baseline}]) / [\% \text{ Positive at Baseline}] \times 100$.

As you are reading through the report you can see that information is provided in these columns for each of the National Outcome Measures.

As I said previously, if you used the filters, the results will be suppressed if there are less than 5 consumers in any row of the report. This is shown by an “S”, and is done to protect the identity of consumers.



Multi-year Outcome Measures Report

National Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Consumers	Percent Change										
* Healthy overall (NOMs)	0	0.0%	0	0.0%	12,261	10.5%	22,903	16.6%	9,016	15.2%	44,180	14.6%
* Functioning in everyday life (NOMs)	4,672	45.1%	7,765	36.0%	14,580	51.1%	23,458	31.1%	9,203	24.7%	57,417	32.4%
* No serious psychological distress (NOMs)	0	0.0%	0	0.0%	10,277	15.2%	21,140	14.0%	8,524	15.5%	41,201	14.2%
* Were never using illegal substances (NOMs)	0	0.0%	0	0.0%	10,820	8.2%	19,538	7.0%	7,706	4.4%	37,344	6.7%
* Were not using tobacco products (NOMs)	0	0.0%	0	0.0%	10,525	2.3%	21,220	5.4%	8,547	8.7%	40,292	2.5%
* Were not binge drinking (NOMs)	0	0.0%	0	0.0%	18,225	6.6%	20,571	1.5%	4,290	1.1%	30,334	4.1%
* Retained in the Community (NOMs)	0	0.0%	0	0.0%	12,599	11.9%	23,158	14.9%	9,107	14.6%	30,572	14.0%
* Had a stable place to live (NOMs)	4,735	9.7%	7,800	14.6%	14,509	14.7%	25,340	13.6%	9,009	14.5%	61,782	15.5%
* Attending school regularly and/or currently employed/retired (NOMs)	4,580	9.7%	6,120	8.9%	15,489	9.0%	22,534	11.9%	6,840	14.3%	23,978	11.5%
* Had no involvement with the criminal justice system (NOMs)	4,598	6.1%	7,558	5.2%	14,274	2.0%	25,085	1.3%	5,071	1.9%	60,275	2.5%
* Socially connected (NOMs)	4,609	17.8%	7,706	21.9%	14,325	15.7%	23,190	16.4%	9,089	26.1%	61,205	27.0%

*Please note this report is an example and does not contain real data.

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Looking at the first row, the outcome Healthy overall, and the FFY 2011 column, **Number of consumers.**

It shows that 12,261 consumers answered Question B1: How would you rate your **overall health** right now with a valid response for the baseline interview AND the 1st 6 month reassessment. For example, if the consumer answered don't know, refused, or was missing data for this question it is considered not valid.

Note: The numbers shown in this column may be different for each measure because some consumers may not have valid responses at both time points. For example looking at the next row, (USE POINTER) "Functioning, in everyday life", 14,580 consumers had valid data for the baseline interview and 1st 6-month reassessment for the Functioning questions (B2a-h). Depending upon the program and when the grantees started data collection of the NOMs, some outcomes may have large differences in the numbers of consumers included in the analyses. The outcomes with smaller numbers of consumers were added to the data collection tool more recently, and so for programs that have been collecting data since 2009, the report shows there are fewer numbers of consumers with valid data at both time periods for those measures.



Multi-year Outcome Measures Report

Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Consumers	Percent Change										
* Healthy overall (NOMs)	0	0.0%	0	0.0%	12,261	10.5%	22,903	16.6%	9,016	15.2%	44,180	14.6%
* Functioning in everyday life (NOMs)	4,672	45.1%	7,765	36.0%	14,580	51.1%	23,458	31.1%	9,203	24.7%	57,417	32.4%
* No serious psychological distress (NOMs)	0	0.0%	0	0.0%	10,541	15.2%	21,140	14.0%	8,524	15.5%	41,201	14.2%
* Were never using illegal substances (NOMs)	0	0.0%	0	0.0%	10,820	8.2%	19,538	7.0%	7,706	4.4%	37,344	6.7%
* Were not using tobacco products (NOMs)	0	0.0%	0	0.0%	10,525	2.3%	21,220	5.4%	8,547	8.7%	40,292	2.5%
* Were not binge drinking (NOMs)	0	0.0%	0	0.0%	18,225	6.6%	20,571	1.5%	4,290	1.1%	30,334	4.1%
* Retained in the Community (NOMs)	0	0.0%	0	0.0%	12,599	11.9%	23,158	14.9%	9,107	14.6%	30,572	14.0%
* Had a stable place to live (NOMs)	4,735	9.7%	7,800	14.6%	14,509	14.7%	25,340	13.6%	9,009	14.5%	61,782	15.5%
* Attending school regularly and/or currently employed/retired (NOMs)	4,580	9.7%	6,120	8.9%	15,489	9.0%	22,534	11.9%	6,840	14.3%	23,978	11.5%
* Had no involvement with the criminal justice system (NOMs)	4,598	6.1%	7,558	5.2%	14,274	2.0%	25,085	1.3%	5,071	1.9%	60,275	2.5%
* Socially connected (NOMs)	4,609	17.8%	7,706	21.9%	14,325	15.7%	23,190	16.4%	9,089	26.1%	61,205	27.0%

*Please note this report is an example and does not contain real data.

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Looking at the first row, the outcome Healthy overall, and the FFY 2011 column,

Percent Change

This grant had a 10.5% increase in the number of consumers who reported being healthy overall from baseline to the second interview. - This is calculated as: $([\% \text{ Positive at Second Interview}] - [\% \text{ Positive at Baseline}] / [\% \text{ Positive at Baseline}] \times 100$. This report does not show the number of consumers positive at the two interview time points. This information can be found on the Outcome Measures report.

Note: The percent change can be negative which would indicate that the grant had a decrease in the number of consumers who reported positive outcomes at the second interview compared to their baseline.



Multi-year Outcome Measures Report

National Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Consumers	Percent Change										
* Healthy overall (NOMs)	0	0.0%	0	0.0%	12,261	10.5%	22,903	16.6%	9,016	15.2%	44,180	14.6%
* Functioning in everyday life (NOMs)	4,672	45.1%	7,765	36.0%	14,580	51.1%	23,458	31.1%	9,203	24.7%	57,417	27.4%
* No serious psychological distress (NOMs)	0	0.0%	0	0.0%	10,541	15.2%	21,140	14.0%	8,524	15.5%	41,201	14.2%
* Were never using illegal substances (NOMs)	0	0.0%	0	0.0%	10,820	8.2%	19,538	7.0%	7,706	4.4%	37,344	6.7%
* Were not using tobacco products (NOMs)	0	0.0%	0	0.0%	10,525	2.3%	21,220	5.4%	8,547	8.7%	40,292	2.5%
* Were not binge drinking (NOMs)	0	0.0%	0	0.0%	18,225	6.6%	20,571	1.5%	4,290	1.1%	30,334	4.1%
* Retained in the Community (NOMs)	0	0.0%	0	0.0%	12,599	11.9%	23,158	14.9%	9,107	14.6%	30,572	14.0%
* Had a stable place to live (NOMs)	4,735	9.7%	7,800	14.6%	14,509	14.7%	25,340	13.6%	9,009	14.5%	61,782	15.5%
* Attending school regularly and/or currently employed/retired (NOMs)	4,580	9.7%	6,120	8.9%	15,489	9.0%	22,534	11.9%	6,840	14.3%	23,978	11.5%
* Had no involvement with the criminal justice system (NOMs)	4,598	6.1%	7,558	5.2%	14,274	2.0%	25,085	1.3%	5,071	1.9%	60,275	2.5%
* Socially connected (NOMs)	4,609	17.8%	7,706	21.9%	14,325	15.7%	23,190	16.4%	9,089	26.1%	61,205	27.0%

*Please note this report is an example and does not contain real data.

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Looking now at the **All Years to Date** column and the Number of Consumers for the first outcome Healthy overall.

It shows that ACROSS ALL YEARS of the grant, 44,180 **unique** consumers answered Question B1: How would you rate your **overall health** right now with a valid response for the baseline interview AND the 1st 6 month reassessment to date. Meaning 44,180 consumers answered “Poor”, “Fair”, “Good”, “Very Good”, or “Excellent” and were included in the analyses.

So the all years to date column will always show you the total count of individual consumers with valid data for both time points, for the years you selected.



Multi-year Outcome Measures Report

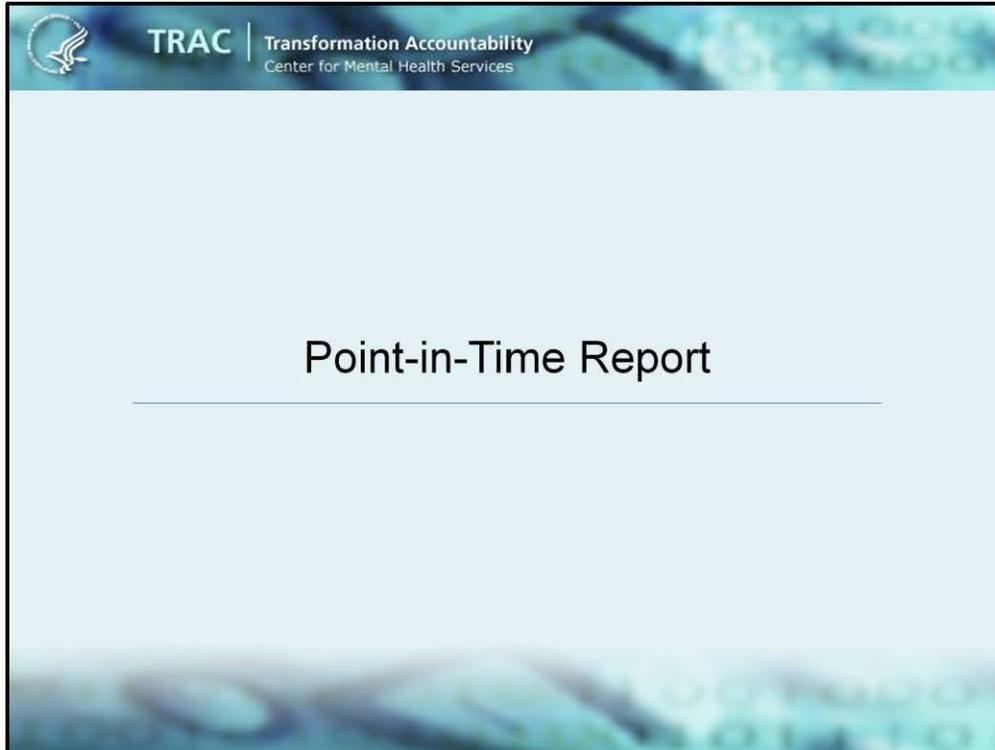
Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Consumers	Percent Change										
* Healthy overall (NOMs)	0	0.0%	0	0.0%	12,261	10.5%	22,903	16.6%	9,016	15.2%	44,180	14.6%
* Functioning in everyday life (NOMs)	4,672	45.1%	7,765	36.0%	14,580	51.1%	23,458	31.1%	9,203	24.7%	57,417	32.4%
* No serious psychological distress (NOMs)	0	0.0%	0	0.0%	10,541	15.2%	21,140	14.0%	8,524	15.5%	41,201	14.2%
* Were never using illegal substances (NOMs)	0	0.0%	0	0.0%	10,820	8.2%	19,538	7.0%	7,706	4.4%	37,344	6.7%
* Were not using tobacco products (NOMs)	0	0.0%	0	0.0%	10,525	2.3%	21,220	5.4%	8,547	8.7%	40,292	2.5%
* Were not binge drinking (NOMs)	0	0.0%	0	0.0%	18,225	6.6%	20,571	1.5%	4,290	1.1%	30,334	4.1%
* Retained in the Community (NOMs)	0	0.0%	0	0.0%	12,599	11.9%	23,158	14.9%	9,107	14.6%	30,572	14.0%
* Had a stable place to live (NOMs)	4,735	9.7%	7,800	14.6%	14,509	14.7%	25,340	13.6%	9,009	14.5%	61,782	15.5%
* Attending school regularly and/or currently employed/retired (NOMs)	4,580	9.7%	6,120	8.9%	15,489	9.0%	22,534	11.9%	6,840	14.3%	23,978	11.5%
* Had no involvement with the criminal justice system (NOMs)	4,598	6.1%	7,558	5.2%	14,274	2.0%	25,085	1.3%	5,071	1.9%	60,275	2.5%
* Socially connected (NOMs)	4,609	17.8%	7,706	21.9%	14,325	15.7%	23,190	16.4%	9,089	26.1%	61,205	27.0%

*Please note this report is an example and does not contain real data.

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Looking at Percent Change for the All Years to date column for the Healthy overall outcome.

This grant had a 14.6% increase in the number of consumers who reported being healthy overall from baseline to the 1st 6 month reassessment ACROSS ALL YEARS of the grant to date.



The Point in Time Report.

A copy of this presentation as well as the Point in Time Report Guide can be found on the TRAC Website under General Info & Training → Services/NOMs Client-level Measures → Report Guides & Presentations.



Point-in-Time Report

Purpose:

- Provides a snapshot of the % of consumer records positive for the National Outcome Measures (NOMs) at a specific time point
- Able to answer the question— “what does the population’s outcome look like at” :
 - ✓ *Baseline?*
 - ✓ *Reassessment?*
 - ✓ *Discharge?*

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The Point in Time Report shows a snapshot of the percentage of consumer records that are positive for the National Outcome Measures (NOMs) at a specific time point. So, for example, it can show you the percentage of all baselines where consumers reported positive functioning in everyday life. This information is summarized for all consumer records within a grant, program(s), or CMHS as a whole; the report does not show individual client level data.



Point-in-Time Report

Key Points

- Counts the number of interview records (baselines, reassessments, or discharges) with valid data:
 - ✓ Valid = responses other than REFUSED, MISSING, DON'T KNOW
- All interviews with valid responses are included
 - ✓ Each baseline is included for consumers with multiple baselines (even in the same year)
- Data reported at the grant or program level

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For the Point-in-Time report the counts shown are the number of interview records, such as baselines, reassessments or discharges. It is not the number of consumers.

The report first sorts out the interview records that have valid answers for the NOMs for the specific time point that is selected. Valid answers include responses other than Refused, Missing, or don't know. So for the Point-in-time report, if a consumer has multiple baselines, for example, each of the baselines are included in the report – this can be across multiple years or within the same year. The percentage of records with positive NOMs within each FFY is then calculated and reported at the grant, program or CMHS level.

Appendix A of your guide describes in detail how the outcomes are calculated.



Select the Criteria

Ability to include only specific consumers in the report based on:

- Federal Fiscal Year (FFY)
- Grant Status
- Assessment
- Population
- State or Region
- Program or Grant

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When running the report you have the ability to filter your results. You can filter by the following criteria:

Federal Fiscal Year (FFY) – You select one FFY and the report will display the selected FFY and the four previous FFYs.

Grant Status – If you have access to more than one grant, you can run the report by grant status by including only active grants, or all grants. An active grant is one that is still in progress, while an inactive one has ended. However, most users will only have access to one grant and it will be active.

Assessment – The report can be filtered to look at outcomes from:

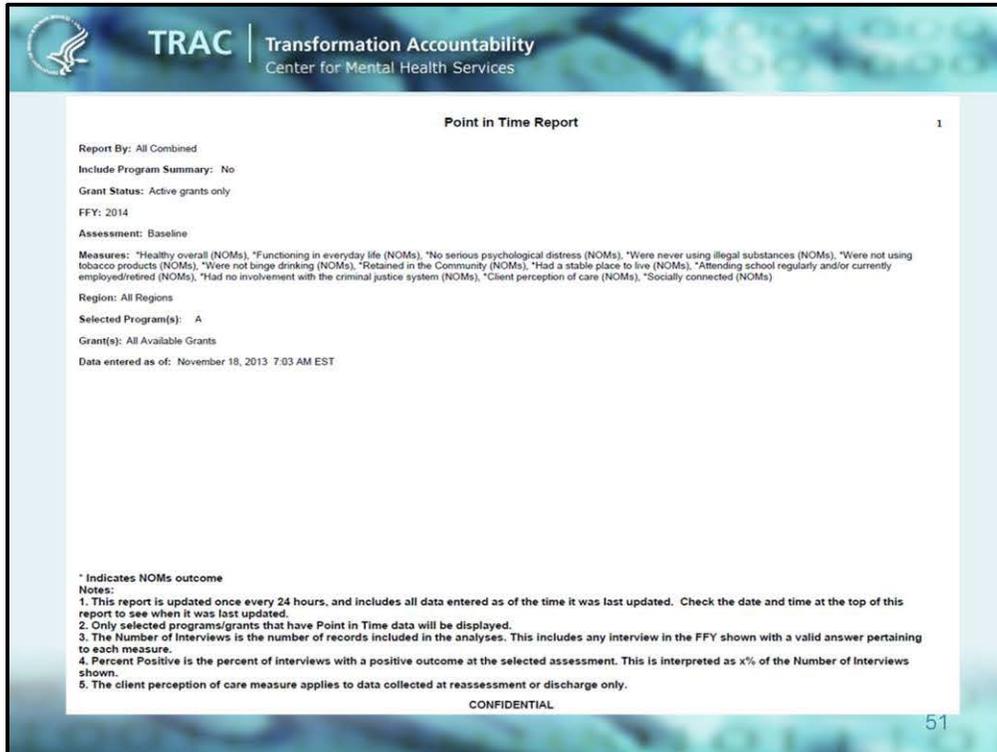
- Baseline
- 1st 6 month reassessment;
- Most recent interview; and
- Discharge. The default is Baseline.

Measures- Allows you to select which outcome measures to include in the report, the default is the NOMs.

Population – The report can be filtered by multiple population groups.

State or Region allows you to filter the report based on HHS regions or by state. The default is all regions and all states.

Program or Grant – And finally, you can specify which grants or programs you want to be included in the report.



Report Cover page– There is a report cover page as the first page the report. This displays the Program(s) or Grant(s) name; the selected reporting period (FFY 2013); and the selected assessment (baseline to first 6 month reassessment). All footnotes for the report are also shown on the cover page.



Example Point-in-Time Report*

Point in Time Report

National Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Interviews ¹	Percent Positive ²	Number of Interviews	Percent Positive								
* Healthy overall (NOMs)	0	0.0%	5,019	52.6%	20,421	56.0%	24,328	53.8%	5,728	53.6%	55,490	55.4%
* Functioning in everyday life (NOMs)	5,600	38.8%	12,878	41.3%	20,790	41.0%	24,653	41.4%	5,821	41.8%	74,500	41.1%
* No serious psychological distress (NOMs)	0	0.0%	3,968	69.7%	17,356	64.5%	21,869	63.1%	5,317	62.7%	48,510	68.1%
* Were never using illegal substances (NOMs)	0	0.0%	3,835	72.9%	16,621	74.8%	20,473	76.1%	4,911	76.1%	45,840	75.4%
* Were not using tobacco products (NOMs)	0	0.0%	3,954	44.2%	17,361	43.7%	22,822	42.0%	5,313	41.1%	48,450	42.7%
* Were not binge drinking (NOMs)	0	0.0%	3,932	89.1%	14,882	89.3%	21,027	88.5%	5,204	86.7%	47,515	88.7%
* Retained in the Community (NOMs)	0	0.0	5,097	79.2%	20,540	78.8%	24,474	77.9%	5,785	77.7%	55,896	78.3%
* Had a stable place to live (NOMs)	5,706	75.6%	12,999	57.9%	20,845	65.3%	24,580	61.5%	5,796	58.6%	74,780	65.6%
* Attending school regularly and/or currently employed/retired (NOMs)	5,009	61.9%	11,937	48.1%	19,671	36.9%	23,537	31.6%	5,672	29.1%	70,232	39.3%
* Had no involvement with the criminal justice system (NOMs)	5,527	93.4%	12,709	96.3%	20,576	96.1%	24,380	96.3%	5,756	96.3%	73,704	95.9%
* Client perception of care (NOMs)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
* Socially connected (NOMs)	5,582	67.2%	12,794	63.3%	20,548	61.7%	24,401	61.0%	5,772	59.7%	73,907	62.3%

* Indicates NOMs outcome

*Please note this report is an example and does not contain real data.

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This is an example of a Point in Time Report. You can choose to have the report output as an HTML, PDF, RTF, or Excel file. The system defaults to a PDF, which is what is on this slide.

Report Columns: Reading the report columns from *left to right*, the report shows three pieces of information for your grant(s) or program(s) for each FFY included and All years to date.

1. **The National Outcome Measures or NOMs:** These include functioning, retention, stability in housing, education and employment, crime and criminal justice, perception of care, and social connectedness outcomes.
2. **Number of interviews-** is the number of interviews that answered the questions used for the outcomes at the selected interview time point.
3. **Percent Positive-** is the percentage of interviews that had a positive outcome reported at the selected interview time point.

As you are reading through the report you can see that information is provided in these columns for each of the National Outcome Measures.

As I said previously, if you used the filters, the results will be suppressed if there are less than 5 consumers in any row of the report. This is shown by an “S”, and is done to protect the identity of consumers.



Point in Time Report

National Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Interviews ²	Percent Positive ⁴	Number of Interviews	Percent Positive								
* Healthy overall (NOMs)	0	0.0%	5,019	52.6%	20,421	56.0%	24,328	53.8%	5,728	53.6%	55,490	55.4%
* Functioning in everyday life (NOMs)	5,600	38.8%	12,878	41.3%	20,790	41.0%	24,653	41.4%	5,821	41.8%	74,500	41.1%
* No serious psychological distress (NOMs)	0	0.0%	3,968	69.7%	17,356	64.5%	21,869	63.1%	5,317	62.7%	48,510	68.1%
* Were never using illegal substances (NOMs)	0	0.0%	3,835	72.9%	16,621	74.8%	20,473	76.1%	4,911	76.1%	45,840	75.4%
* Were not using tobacco products (NOMs)	0	0.0%	3,954	44.2%	17,361	43.7%	22,822	42.0%	5,313	41.1%	48,450	42.7%
* Were not binge drinking (NOMs)	0	0.0%	3,932	89.1%	14,882	89.3%	21,027	88.5%	5,204	86.7%	47,515	88.7%
* Retained in the Community (NOMs)	0	0.0%	5,097	79.2%	20,540	78.8%	24,474	77.9%	5,785	77.7%	55,896	78.3%
* Had a stable place to live (NOMs)	5,706	75.6%	12,999	57.9%	20,845	65.3%	24,580	61.5%	5,796	58.6%	74,780	65.6%
* Attending school regularly and/or currently employed/retired (NOMs)	5,009	61.9%	11,937	48.1%	19,671	36.9%	23,537	31.6%	5,672	29.1%	70,232	39.3%
* Had no involvement with the criminal justice system (NOMs)	5,527	93.4%	12,709	96.3%	20,576	96.1%	24,380	96.3%	5,756	96.3%	73,704	95.9%
* Client perception of care (NOMs)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
* Socially connected (NOMs)	5,582	67.2%	12,794	63.3%	20,548	61.7%	24,401	61.0%	5,772	59.7%	73,907	62.3%

*Please note this report is an example and does not contain real data.

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Looking at the first row, the outcome Healthy overall, the FFY 2011 column, and the column **Number of interviews**,

It shows that 20,421 baseline interviews had valid responses for Question B1: How would you rate your **overall health** right now? For example, if the consumer answered don't know, refused, or was missing data for this question it is considered not valid.

Note: The numbers shown in this column may be different for each measure because some interviews may not have valid responses at the selected time point. For example looking at the next row, "Functioning in everyday life", 20,790 interviews had valid data for baseline for the Functioning questions (B2a-h). Depending upon the program and when the grantees started data collection of the NOMs, some outcomes may have large differences in the numbers of consumers included in the analyses. The outcomes with smaller numbers of consumers were added to the data collection tool more recently, and so for programs that have been collecting data since 2009, the report shows there are fewer numbers of consumers with valid data at both time periods for those measures.



Point in Time Report

National Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Interviews ¹	Percent Positive ²	Number of Interviews	Percent Positive								
* Healthy overall (NOMs)	0	0.0%	5,019	52.6%	20,421	56.0%	24,328	53.8%	5,728	53.6%	55,490	55.4%
* Functioning in everyday life (NOMs)	5,600	38.8%	12,878	41.3%	20,790	41.0%	24,653	41.4%	5,821	41.8%	74,500	41.1%
* No serious psychological distress (NOMs)	0	0.0%	3,968	69.7%	17,356	64.5%	21,869	63.1%	5,317	62.7%	48,510	68.1%
* Were never using illegal substances (NOMs)	0	0.0%	3,835	72.9%	16,621	74.8%	20,473	76.1%	4,911	76.1%	45,840	75.4%
* Were not using tobacco products (NOMs)	0	0.0%	3,954	44.2%	17,361	43.7%	22,822	42.0%	5,313	41.1%	48,450	42.7%
* Were not binge drinking (NOMs)	0	0.0%	3,932	89.1%	14,882	89.3%	21,027	88.5%	5,204	86.7%	47,515	88.7%
* Retained in the Community (NOMs)	0	0.0	5,097	79.2%	20,540	78.8%	24,474	77.9%	5,785	77.7%	55,896	78.3%
* Had a stable place to live (NOMs)	5,706	75.6%	12,999	57.9%	20,845	65.3%	24,580	61.5%	5,796	58.6%	74,780	65.6%
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* Client perception of care (NOMs)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
* Socially connected (NOMs)	5,582	67.2%	12,794	63.3%	20,548	61.7%	24,401	61.0%	5,772	59.7%	73,907	62.3%

*Please note this report is an example and does not contain real data.

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Again, note is the table heading. It tells you that all of the data in this report applies to consumers in Program A, Grant SM12345, for baselines, as of January 13, 2013 (the date the report was produced).

Looking again at the first row, the outcome Healthy overall, the FFY 2011 column, and the **Percent Positive** column.

The report shows that:

56.0 % of the 20,421 baselines indicated healthy overall.



Point in Time Report

National Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Interviews ^a	Percent Positive ^a	Number of Interviews	Percent Positive								
* Healthy overall (NOMs)	0	0.0%	5,019	52.6%	20,421	56.0%	24,328	53.8%	5,728	53.6%	55,490	55.4%
* Functioning in everyday life (NOMs)	5,600	38.8%	12,878	41.3%	20,790	41.0%	24,653	41.4%	5,821	41.8%	74,500	41.1%
* No serious psychological distress (NOMs)	0	0.0%	3,968	69.7%	17,356	64.5%	21,869	63.1%	5,317	62.7%	48,510	68.1%
* Were never using illegal substances (NOMs)	0	0.0%	3,835	72.9%	16,621	74.8%	20,473	76.1%	4,911	76.1%	45,840	75.4%
* Were not using tobacco products (NOMs)	0	0.0%	3,954	44.2%	17,361	43.7%	22,822	42.0%	5,313	41.1%	48,450	42.7%
* Were not binge drinking (NOMs)	0	0.0%	3,932	89.1%	14,882	89.3%	21,027	88.5%	5,204	86.7%	47,515	88.7%
* Retained in the Community (NOMs)	0	0.0%	5,097	79.2%	20,540	78.8%	24,474	77.9%	5,785	77.7%	55,896	78.3%
* Had a stable place to live (NOMs)	5,706	75.6%	12,999	57.9%	20,845	65.3%	24,580	61.5%	5,796	58.6%	74,780	65.6%
* Attending school regularly and/or currently employed/retired (NOMs)	5,009	61.9%	11,937	48.1%	19,671	36.9%	23,537	31.6%	5,672	29.1%	70,232	39.3%
* Had no involvement with the criminal justice system (NOMs)	5,527	93.4%	12,709	96.3%	20,576	96.1%	24,380	96.3%	5,756	96.3%	73,704	95.9%
* Client perception of care (NOMs)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
* Socially connected (NOMs)	5,582	67.2%	12,794	63.3%	20,548	61.7%	24,401	61.0%	5,772	59.7%	73,907	62.3%

*Please note this report is an example and does not contain real data.

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Looking at the first row, the outcome healthy overall, the All Years to Date column this time, and the column **Number of interviews**.

It shows 55,490 baseline interviews had valid responses for Question B1.



Point in Time Report

National Outcome Measures (NOMs)	FFY 2009		FFY 2010		FFY 2011		FFY 2012		FFY 2013		All Years (To Date)	
	Number of Interviews ¹	Percent Positive ²	Number of Interviews	Percent Positive								
* Healthy overall (NOMs)	0	0.0%	5,019	52.6%	20,421	56.0%	24,328	53.8%	5,728	53.6%	55,490	55.4%
* Functioning in everyday life (NOMs)	5,600	38.8%	12,878	41.3%	20,790	41.0%	24,653	41.4%	5,821	41.8%	74,500	41.1%
* No serious psychological distress (NOMs)	0	0.0%	3,968	69.7%	17,356	64.5%	21,869	63.1%	5,317	62.7%	48,510	68.1%
* Were never using illegal substances (NOMs)	0	0.0%	3,835	72.9%	16,621	74.8%	20,473	76.1%	4,911	76.1%	45,840	75.4%
* Were not using tobacco products (NOMs)	0	0.0%	3,954	44.2%	17,361	43.7%	22,822	42.0%	5,313	41.1%	48,450	42.7%
* Were not binge drinking (NOMs)	0	0.0%	3,932	89.1%	14,882	89.3%	21,027	88.5%	5,204	86.7%	47,515	88.7%
* Retained in the Community (NOMs)	0	0.0%	5,097	79.2%	20,540	78.8%	24,474	77.9%	5,785	77.7%	55,896	78.3%
* Had a stable place to live (NOMs)	5,706	75.6%	12,999	57.9%	20,845	65.3%	24,580	61.5%	5,796	58.6%	74,780	65.6%
* Attending school regularly and/or currently employed/retired (NOMs)	5,009	61.9%	11,937	48.1%	19,671	36.9%	23,537	31.6%	5,672	29.1%	70,232	39.3%
* Had no involvement with the criminal justice system (NOMs)	5,527	93.4%	12,709	96.3%	20,576	96.1%	24,380	96.3%	5,756	96.3%	73,704	95.9%
* Client perception of care (NOMs)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
* Socially connected (NOMs)	5,582	67.2%	12,794	63.3%	20,548	61.7%	24,401	61.0%	5,772	59.7%	73,907	62.3%

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For the column Percent Positive the report shows that:

55.4% of baseline interviews across all years of the grant had a positive response for healthy overall.



Important Differences: Point-in-Time vs. Outcome Reports

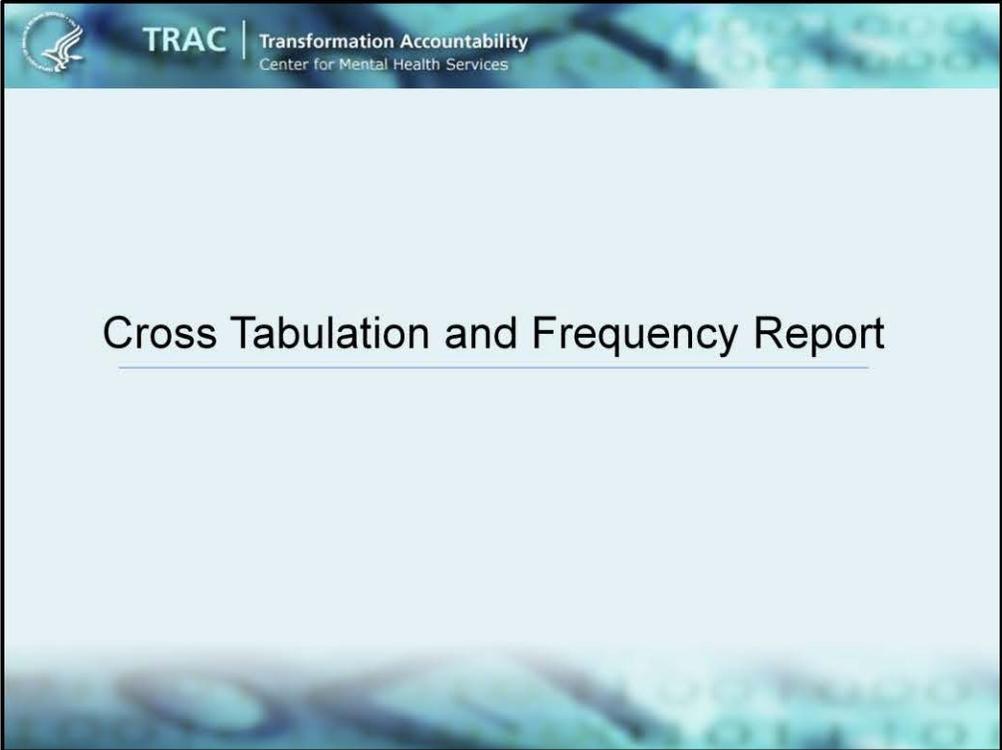
Point-in-Time

- N = # of interviews (baselines, reassessments, discharges)
- Cases are not matched (only includes the selected time point)
- Includes data from multiple episodes of care

Outcome Measures Reports

- N = # of consumers
- Matched cases (baseline and second interview)
- Data only from the active episode of care

This report is different from the Outcome Measures Report in that data are shown for all consumer interviews for the specific interview time point or assessment selected (baseline, 1st 6-month, most recent assessment, or discharge). The Outcomes Measures Report provides information about the change in consumer outcomes and includes data only for matched cases, meaning the consumers shown in that report must have valid data for both baseline and the second interview time point. Additionally, the Point in Time report shows proportion of consumers that endorsed the NOMs at the selected time point as well as the proportion of consumers not endorsing the NOMs at that same time point. For example, you can see the number and percentage of consumers who were not experiencing serious psychological distress and/or those who were experiencing serious psychological distress. Finally, this report allows you to select which measures you would like to include in the report.



The Cross Tabulation and Frequency Report.



Cross Tabulation and Frequency Report

- Report can:
 - ✓ Run a standard frequency (one-variable)
 - ✓ Run two-way and three-way cross tabulations
 - ✓ Run on any variable in the Services tool
- Data are aggregated across consumers and displayed at the grantee or program level
- Can be viewed several ways
 - ✓ Table, Bar Chart, or Pie Chart

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Using the Cross Tabulation and Frequency Reports you can run:

- **a standard frequency** (displaying the frequency of one variable e.g., gender—male/ female/ transgender/ etc.).
- **a two-way cross tabulation.**
- **a three-way cross tabulation.**

Frequencies and cross tabs can be run on any variable in the Client-level Measures (Services) tool.

Data displayed in this report are **aggregated across consumers and displayed at either the grantee or program level.**

As you'll see in our presentation today—the **results can be viewed in several ways**, as a:

- table,
- Bar chart, or
- Pie chart.

(Examples of each of these options are available in the Cross Tab & Frequency Report Guide available on the TRAC website.)

We'll begin today by showing you how to access the report in the TRAC system.

We'll then show you:

the **basic steps** involved in **creating the frequency and cross tabulations results** and **how to display them**, and **queries.**

TRAC | Transformation Accountability
Center for Mental Health Services

Create Your Table

Current Selections:

1. Subset 2. Table Type 3. Variables 4. Table Contents 5. Filters (optional) Results Saved Queries Start Over

Create table for:

INTERVIEW_TYPE
--Select One--

Select one or more

RECORD_TYPE

Interview
 Administrative

(Select All | Clear All)

NEXT STEP SHOW RESULTS

Use these tabs to customize your report

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There is no default setting for this report. You will need to select at least one box in every category on the Subset tab before proceeding by clicking Next Step.

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Table Type Tab

1. Subset 2. Table Type 3. Variables 4. Table Contents 5. Filters (optional) Results Saved Queries Start Over

Create table for:

(Click on a picture below to see an example)

- 1 variable 
- 2 variables 
- 3 variables 

Next Step Show Results

Select the table type you want to create here.

The Table Type tab defaults to 1 variable. You can select 1, 2 or 3 variables for the table.

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Variables Tab

1. Subset | 2. Table Type | **3. Variables** | 4. Table Contents | 5. Filters (optional) | Results | Saved Queries | Start Over

Specify the variable
Click to highlight a variable in the list, then click the arrow button below to indicate where you want to place it.

Search

Variable List:

- [-] Report By
 - [-] List of Both Adult and Child Program Variables
 - [-] List of Adult Only
 - [-] List of Child Only
- [-] Demographics
- [-] Functioning
- [-] Stability in Housing
- [-] Education and Employment
- [-] Crime and Criminal Justice Status
- [-] Perception of Care
- [-] Social Connectedness
- [-] Reassessment Status
- [-] Clinical Discharge Status
- [-] Services Received

Column:

Row:

Switch Row and Col.

Clear All

NEXT STEP SHOW RESULTS

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There is no default on the Variables tab. You will need to select at least one variable to run the report. Depending on what you selected on the Table Type tab you can select 1, 2 or 3 variables for the report.

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Table Contents Tab

1. Subset 2. Table Type 3. Variables 4. Table Contents 5. Filters (optional) Results Saved Queries Start Over

Specify Table Contents

A. Specify cell contents:

Number of Responses Mean of another variable Median of another variable

Select a variable you want a mean for:

Search Go

- List of Both Adult and Child Program Variables
- List of Adult Only
- List of Child Only

These boxes appear when either the mean or median of another variable is selected.

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The Table Contents tab defaults to Number of Responses and the data does not include missing values. You can specify the cell contents you would like for the report as either Number of responses, Mean of another variable or Median of another variable.

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Filters Tab (Optional)

1. Subset 2. Table Type 3. Variables 4. Table Contents 5. Filters (optional) Results Saved Queries Start Over

Optional: Narrow your results
Click to highlight a variable in the list, then click the arrow button.

A. Select Variable:
Search

- List of Both Adult and Child Program Variables
- List of Adult Only
 - Demographics
 - Functioning
 - Stability in Housing
 - Education and Employment
 - Crime and Criminal Justice Status
 - Perception of Care
 - Social Connectedness
 - Reassessment Status
 - StillReceivingServices**
 - Clinical Discharge Status
 - Services Received
- List of Child Only

B. Specify value:
>

No
 Yes

(Select All | Clear All)

Filter List:
To add a filter, click to highlight a variable in the list, then click the arrow button.
 HousingOutcome : 'Did not Meet Criteria'

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The filters tab is optional and allows you to filter the report by specific values or ranges of a selected variable.



Results Tab

TRAC Crosstabulation/Frequency Report					
Data in table for:					
Interview Type:	Baseline				
Record Type:	Interview				
Federal Fiscal year:	2010				
FFY Quarter:	1st quarter 2nd quarter 3rd quarter 4th quarter				
Program:					

"Retention: no utilization of psychiatric inpatient hospital beds (RetentionOutcome)" by "What is your gender? (Gender)"

Number of Responses	"What is your gender? (Gender)"				
	MALE	FEMALE	TRANSGENDER	OTHER (SPECIFY)	TOTAL
Retention: no utilization of psychiatric inpatient hospital beds (RetentionOutcome)					
Did not Meet Criteria	27	11	.	.	38
Met Criteria	1,728	1,030	1	1	2,760
TOTAL	1,755	1,041	1	1	2,798

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* Please note that due to rounding and single precision the sum or percentages for each question may not total to 100.

The results tab displays the report output.



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Transformation Accountability (TRAC) Resources

- TRAC website: <https://www.cmhs-gpra.samhsa.gov>
 - ✓ General Info & Training → Services/NOMs Client Level Measures
- TRAC Help Desk
 - ✓ Phone: 1-855-796-5777
 - ✓ Email: TRACHELP@westat.com

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If you have any questions—you may contact the Help Desk from 8:30am to 6:30pm ET by telephone or email.

The Help Desk contact information is listed in all of the training materials as well as on the TRAC website.