

Profile of Children in NYS Medicaid with Behavioral Health Needs

Quick Start Guide



**Office of
Mental Health**

Profile of Children in NYS Medicaid with Behavioral Health Needs Dashboard

Overview

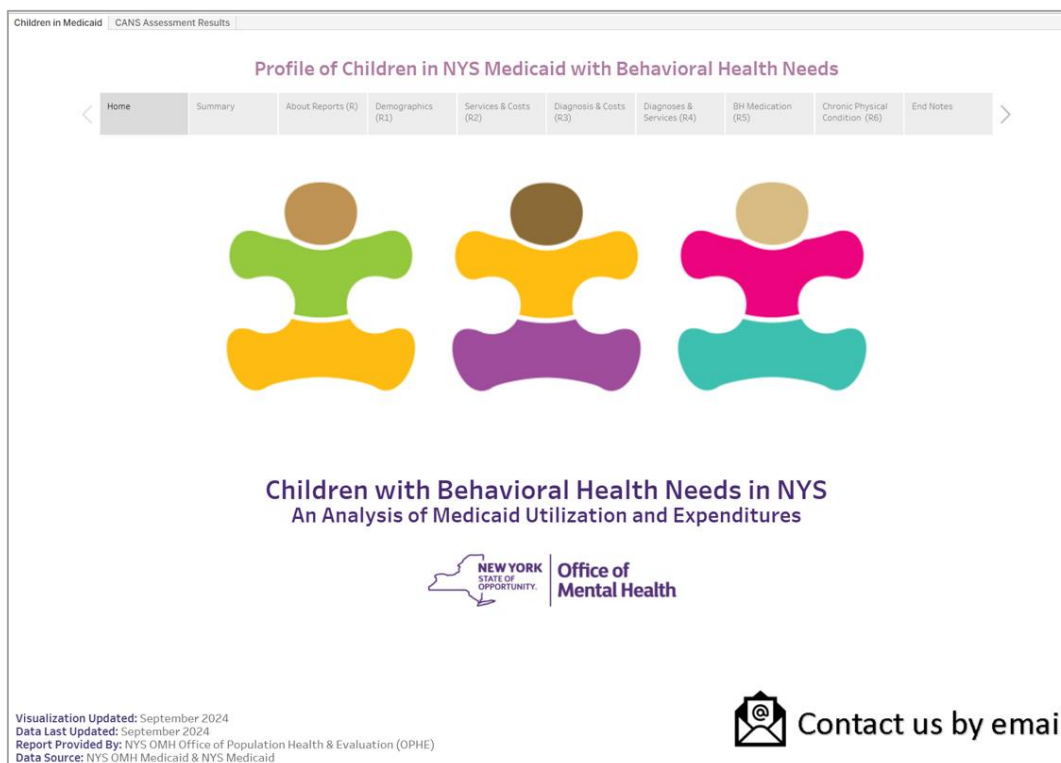
The Tableau consists of two tabs which display important information about the children with behavioral health needs in New York State.

The first tab, **Children in Medicaid**, is a report about children with behavioral health (BH) needs who are enrolled in Medicaid managed care in New York State. The second tab, **CANS Assessment Results**, summarizes the results of the Child & Adolescents Needs & Strengths (CANS) survey. The Profile of Children in NYS Medicaid with BH Needs Tableau is available to view on the OMH website and does not contain Protected Health Information (PHI). It can be accessed through the following weblink:

<https://omh.ny.gov/omhweb/tableau/children.html>

- The link works best on Chrome, Edge, or Safari web browsers on desktops.
- Please see Figure 1. to see the landing page of this dashboard.

Figure 1. Profile of Children in NYS Medicaid with BH Needs: Landing Page



Tab 1. Children in Medicaid

This tab provides an analysis of Medicaid utilization and expenditures among children with behavioral health needs in New York State. The population included in this report includes Children from age 0 – 20 years. Data are organized into distinct behavioral health groups based on BH diagnosis, service, and medication use in a given year. The population groups include:

- **Children Currently Using Behavioral Health (BH) Services:** this includes children aged 0-20, eligible for NYS Medicaid, and who received a BH diagnosis, service, or medication in a given year
- **Children Using Intensive BH Services:** this includes children aged 0-20, eligible for NYS Medicaid. In addition, in a given year they must have used inpatient and emergency room or state plan services for MH or SUD diagnoses; or been Health Home (HH) eligible or used HH services and had a MH or SUD diagnosis.
 - Note: Children Using Intensive BH Services are a subset of the Currently Using BH Services population
- **Children Designated as SED:** this includes children aged 0-20 who are designated as having Serious Emotional Disturbance (SED) by having the Medicaid K-code: K3. The SED K3 code was implemented in 2019.
 - Note: Children Using Intensive BH Services and Children Designated as SED are two mutually exclusive population groups.

The data in these reports is sourced from NYS Medicaid. Data is suppressed when the number of individuals served has a value of 1 to 10. In the case, where a group value is suppressed and the column total is known, the next lowest value group is suppressed as well regardless of whether the number of individuals served has a value of 10 or less.

This tab has the following reports, displayed under different storyboards (Figure 2):

Figure 2. Tab 1. Children in Medicaid: Storyboard Tiles



1. **Demographics:** Shows the distribution of Children Currently Using BH Services, Children Using Intensive BH Services, and Children Designated as SED by age group, race and ethnicity, region, gender, aid category, and plan type.

2. **Services & Costs:** Shows the distribution of children served as well as total and average cost by BH service type.
3. **Diagnoses & Costs:** Shows composition and average cost of children by psychiatric/substance use diagnoses groups.
4. **Diagnoses & Services:** Shows psychiatric diagnoses by service type. This storyboard gives the user option to filter the data based on different service types such as BH IP/ER, BH Medication, BH Outpatient Non-Licensed, etc.

Figure 3. Storyboard Tile. Diagnoses & Services: Service Type Filter

The screenshot shows a storyboard interface with five tabs: 'Diagnosis & Costs (R3)', 'Diagnoses & Services (R4)', 'BH Medication (R5)', 'Chronic Physical Condition (R6)', and 'End Notes'. The 'Diagnoses & Services (R4)' tab is selected. Below the tabs is a 'Service Type' dropdown menu. The dropdown is open, showing a list of service types: 'Behavioral Health Inpatient/Emergency Service', 'Behavioral Health Medication', 'Behavioral Health Outpatient Non-Licensed Service', 'Behavioral Health Outpatient Specialty Licensed Service', 'Health Home Service', 'Physical Health Inpatient/Emergency Service', and 'Physical Health Outpatient Service'. The first option, 'Behavioral Health Inpatient/Emergency Service', is currently selected.

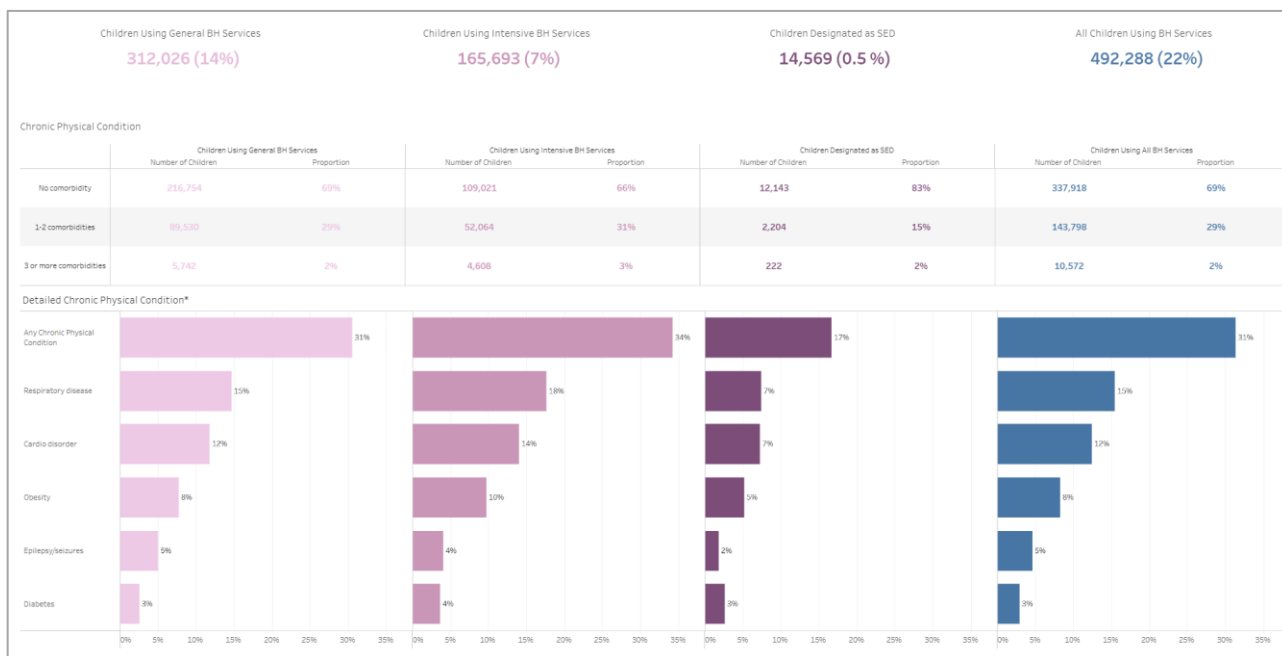
5. **BH Medication:** Shows children using psychotropic or substance use medication stratified by high needs status.
 6. **Chronic Physical Condition:** Shows physical health comorbidities, which are clinical classification retrieved from Healthcare Cost and Utilization Project (HCUP) Clinical Classifications Software (CCS); the CCS for ICD-10 is a diagnosis categorization scheme based on inpatient and outpatient services.
- The **About Reports (R)** storyboard displays important information such as summary of the populations and the reports included in this tab.
 - Each storyboard has a year filter that lets the user filter the data by each year starting from 2016 to 2023 (Figure 4).

Figure 4. Tab 1. Children in Medicaid: Year Filter

The screenshot shows a storyboard interface with nine tabs: 'Home', 'Summary', 'About Reports (R)', 'Demographics (R1)', 'Services & Costs (R2)', 'Diagnosis & Costs (R3)', 'Diagnoses & Services (R4)', 'BH Medication (R5)', 'Chronic Physical Condition (R6)', and 'End Notes'. The 'Demographics (R1)' tab is selected. Below the tabs is a 'Year' dropdown menu. The dropdown is open, showing a list of years from 2016 to 2023. The year 2023 is currently selected.

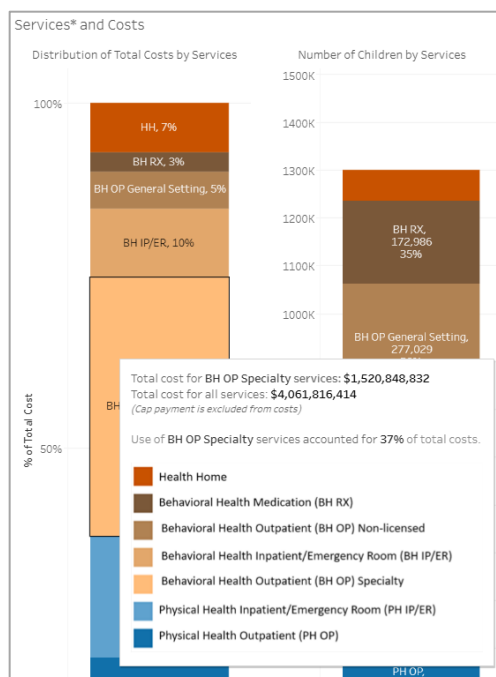
- Data is represented using bar charts, stacked bar charts, and tables depending on relevance with the data.
- Data visualization for each population category is represented using different colors (Figure 5).

Figure 5. Data Visualization Elements (categorized by Population Type)



- User can hover over the visualizations to view an informational tooltip (Figure 6).

Figure 6. Hover over Tooltips



- There are notes at the bottom of these reports that list any relevant information about the data in the report (Figure 7).

Figure 7. Data-related Notes

<p>*Services are <u>not</u> mutually exclusive, children can use multiple different services. Children who received BH OP Specialty or BH IP/ER services, by definition, are intensive or SED children, therefore no general use children are shown for those services.</p> <p>*Total costs include only inpatient, ER, and selected OP services. Additional costs such as transportation, lab, home health, dental, nursing home, etc. are not included in total costs.</p> <p>Visualization Updated: 9/24 Data Updated: 9/24 Report By: NYS OMH OPHE Data Source: NYS OMH Medicaid & NYS Medicaid</p>
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Tab 2. CANS Assessment Results

The Child Adolescent Needs and Strengths – NY (CANS-NY) serves as a guide in decision making for Health Homes Serving Children, as well as to guide service planning specifically for children and adolescents under the age of 21 with behavioral needs, medical needs, developmental disabilities, and juvenile justice involvement.

The target population groups included in this tab are:

- **All Children in CANS**
- **Mentally Fragile (MF)**
- **Children with Serious Emotional Disturbance (SED)**

Note: Target population categories are not mutually exclusive, children can be in one or both, SED or MF. Some children are neither SED or MF and will only show in the All-Children category. This tab summarizes the results of the Child & Adolescents Needs & Strengths (CANS) survey in various reports shown as storyboards. (Figure 8)

Figure 8. Tab 2. CANS Assessment Results: Landing Page and Storyboard Tiles



This tab has the following reports:

- 1. Demographic Overview:** This report shows distribution of the population by race & ethnicity, OMH region, gender, and age group using bar charts.
- 2. Target Populations:** Shows distribution of children with different acuity level (high, medium, or low) by target population.
- 3. Needs & Strengths Assessment:** Displays the needs rate for children based on their answers to the assessment questions. Users can also filter the information by age group and domain of questions (Figure 9).

Figure 9. Storyboard Tile. Needs & Strengths Assessment: Domain & Age Group Filter

Year	Age Group	Target Population	Domain
2023	0-5 years old	All Children in CANS	CHILD DEVELOPMENT
<div> <div>Needs Rate</div> <div> CHILD DEVELOPMENT CHILD NEEDS & FUNCTIONING CHILD RISK FACTORS CHILD STRENGTHS EXPOSURE TO POTENTIALLY TRAUMATIC/ADVERSE CHILDHOOD EXPERIENCES SCREENING QUESTIONS FOR MODULES (Click module bar to show item rates) </div> </div>			

- 4. Data Download:** Displays all the data included in this tabular form. This tab is useful to download the data in csv/xlsx form for further analysis (Figure 10).

Figure 10. Tab 2. CANS Assessment Results: Data Download

Child & Adolescents Needs & Strengths

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Child and Adolescent Needs and Strengths

About CANS

Demographic Overview

Target Populations

Needs & Strengths Assessment

Data Download

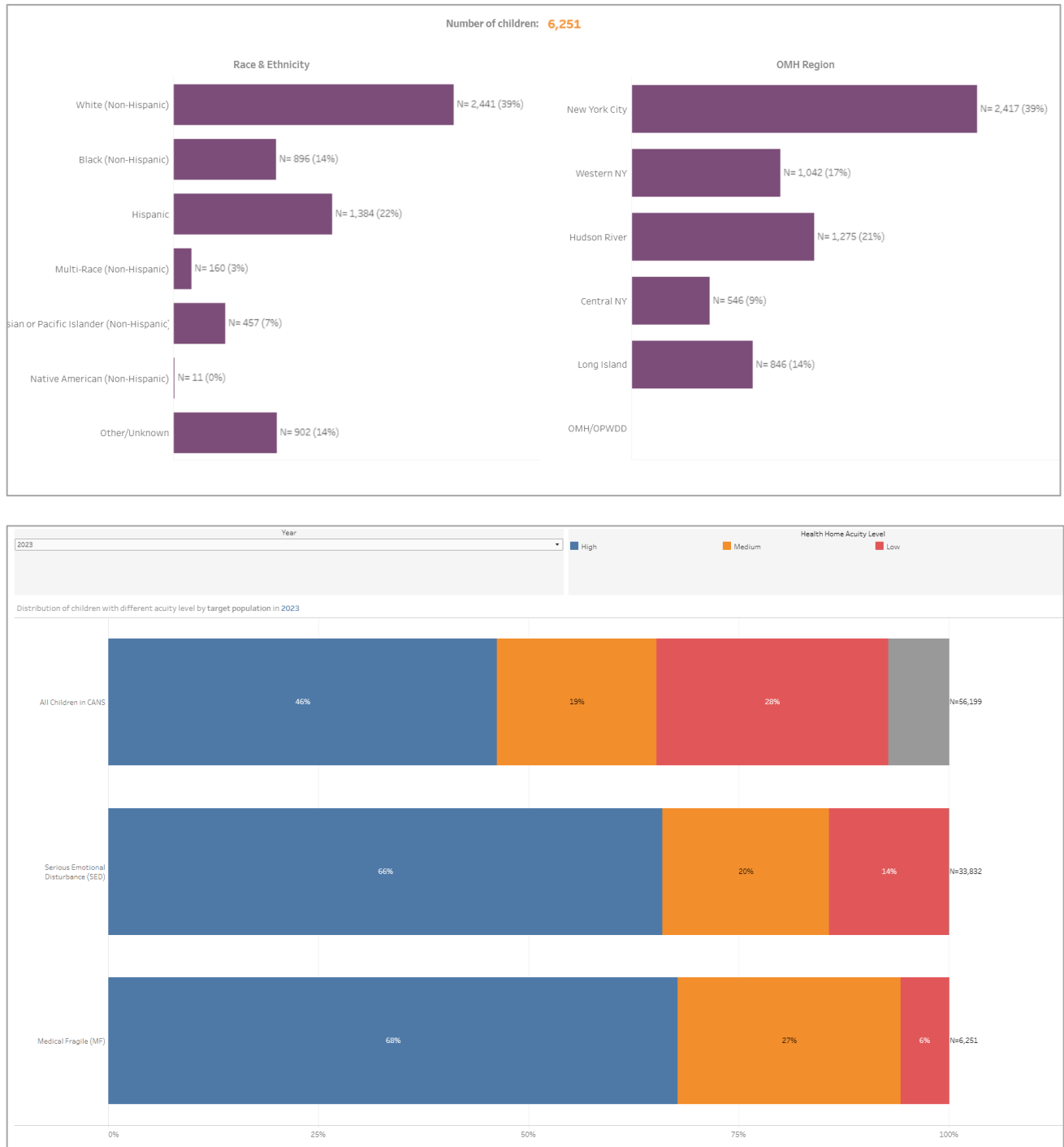
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Data Download

Year	Dashboard					Domain				Population						
2023	Needs & Strengths Assessment					(All)				All Children in CANS						
Year	Dashboard	Domain	Age Group	Population	Item	Domain Value	Numerator	Denominator	Percent							
2023	Needs & Strengths Assessment	CHILD DEVELOPMENT	0-5 years old	All Children in CANS	CHILD DEVELOPMENT	Agitation	3,158	6,775		47%						
						Atypical Behavior	2,354	6,775		35%						
						Cognitive	3,390	6,775		50%						
						Communication	4,664	6,775		69%						
						Developmental Delay	4,662	6,775		69%						
						Eating	3,086	6,775		46%						
						Elimination	1,035	6,775		15%						
						Emotional Control	3,485	6,775		51%						
						Failure to Thrive	660	6,316		10%						
						Frustration Tolerance	3,495	6,775		52%						
						Mobility	1,412	6,775		21%						
						Motor Skills	2,976	6,775		44%						
						Positioning	949	6,775		14%						
						Self Stimulation	2,112	6,775		31%						
						Sensory	2,823	6,775		42%						
		Sensory_React	2,561	6,775		38%										
		Temperament	2,733	6,775		40%										
		Transferring	1,159	6,775		17%										
		CHILD NEEDS & FUNCTIONING	0-5 years old	All Children in CANS	CHILD NEEDS & FUNCTIONING	Acculturation Language	1,194	6,204		19%						
						Attachment	1,381	6,775		20%						
						Dental Needs	605	6,204		10%						
						Living Situation	1,285	6,775		19%						
						Physical Limitations	1,971	6,204		32%						
						Recreational	2,319	6,775		34%						
						Sleep	2,019	6,640		30%						
						Social Functioning	3,879	6,775		57%						
						6-20 years old	All Children in CANS	CHILD NEEDS & FUNCTIONING	Acculturation Language	4,618	45,919		10%			
									Decision Making	34,566	49,424		70%			
									Dental Needs	5,252	45,919		11%			
			Juvenile Justice	803	49,424					2%						
			Living Situation	17,946	49,424					36%						
			Peer Interactions	30,268	49,424					61%						
			Physical Limitations	7,957	45,919					17%						
			Recreational	23,236	49,424					47%						
			Sleep	14,129	49,424					29%						

- Data is represented using bar charts, stacked bar charts, and tables depending on relevance with the data (Figure 11).

Figure 11. Data Visualization Elements: Bar Chart (Top) & Stacked Bar Chart (Bottom)



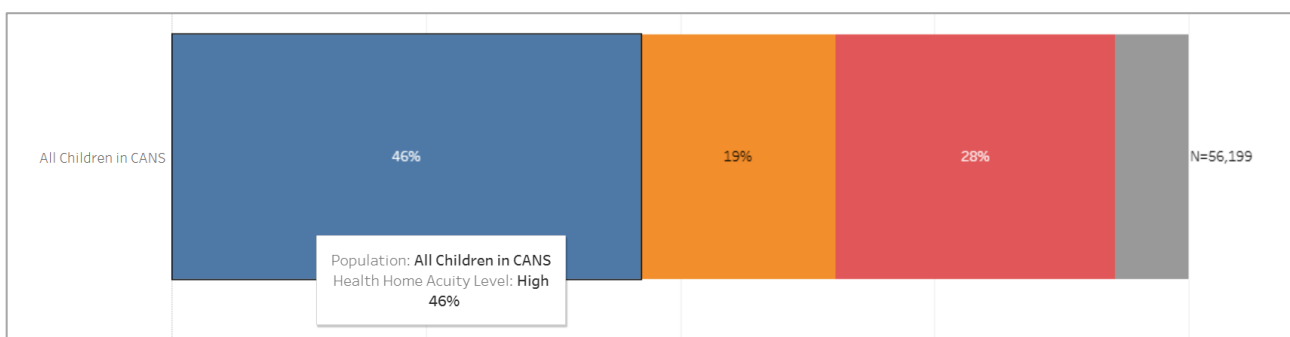
- Users have the option to filter the data shown by year and target population (Figure 12).

Figure 12. Tab 2. CANS Assessment Results: Year and Target Population Filter

Year	Target Population
2023	Medical Fragile (MF)

- User can hover over each visualization element to view an informational tooltip (Figure 13).

Figure 13. Tab 2. CANS Assessment Results: Tooltips



- There are notes at the bottom of these reports that list any relevant information of note about the data in the report (Figure 14).

Figure 14. Tab 2. CANS Assessment Results: Data-related Notes

Target population categories are not mutually exclusive, children can be in one or both, SED and MF. Some children are neither SED or MF and will only show up in the All Children category.

Needs and Strength Rates are calculated as dichotomous indicators whereas an answer of 0 or 1 on a strength-related question would represent a strength or an answer of 2 or 3 on a needs-related question would represent a need.

Technical Assistance

If you have any questions about using the Dashboard or the included measures, please send an email to our technical assistance helpdesk:

DataOPHE@omh.ny.gov