



*Delaware Health and Social Services*

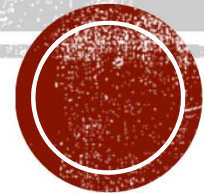
*Division of Medicaid and Medical Assistance*

# **CHILDREN WITH MEDICAL COMPLEXITY ADVISORY COMMITTEE**

## **DATA WORKGROUP PRESENTATION**



# DATA ANALYSIS UPDATE



# DATA COLLECTION

## DEMOGRAPHIC PARAMETERS

- Insurance status
- Gender
- Age (Range)
- Race (Ethnicity)
- Preferred Language
- County

## CLINICAL UTILIZATION

- Hospital Admissions
  - Number of Total Admissions
  - Number of Children Admitted
  - Length of Stay (Days)
- Emergency Department
  - Number of Total Visits
  - Number of Children with Visits



# DATA PROGRESS

- Completed data collection for CY 2017
- Completed demographic data collection for CY 2014-2016
- Started clinical utilization data collection for CY 2014-2016
- Data collection for multiple calendar years allow to evaluate trends
  - Identify patterns from single calendar year to next calendar year
  - Compare longitudinal data for three years CY14-16 to CY 17
- Potential to use trends to predict future outcomes and develop strategy



# CHILDREN ENROLLED IN DELAWARE MEDICAID AND CHIP PROGRAMS

## General Pediatric Population vs. Children with Medical Complexity Calendar Year 2017

	Total Pediatric Population	General Pediatric Population		Children with Medical Complexity	
	1-9	1-5a		5b-9	
<b>Count</b>	112,224	107,902	96.15%	4,322	3.85%



# CHILDREN ENROLLED IN DELAWARE MEDICAID AND CHIP PROGRAMS

## General Pediatric Population vs. Children with Medical Complexity Calendar Years 2014-2017

Calendar Year	Total Pediatric Population	General Pediatric Population		Children with Medical Complexity	
		1-9	1-5a	5b-9	
<b>2014</b>	111,113	107,649	96.88%	3,464	3.12%
<b>2015</b>	112,418	108,617	96.61%	3,801	3.39%
<b>2016</b>	113,756	109,500	96.26%	4,256	3.74%
<b>2017</b>	112,224	107,902	96.15%	4,322	3.85%



# CHILDREN ENROLLED IN DELAWARE MEDICAID AND CHIP PROGRAMS

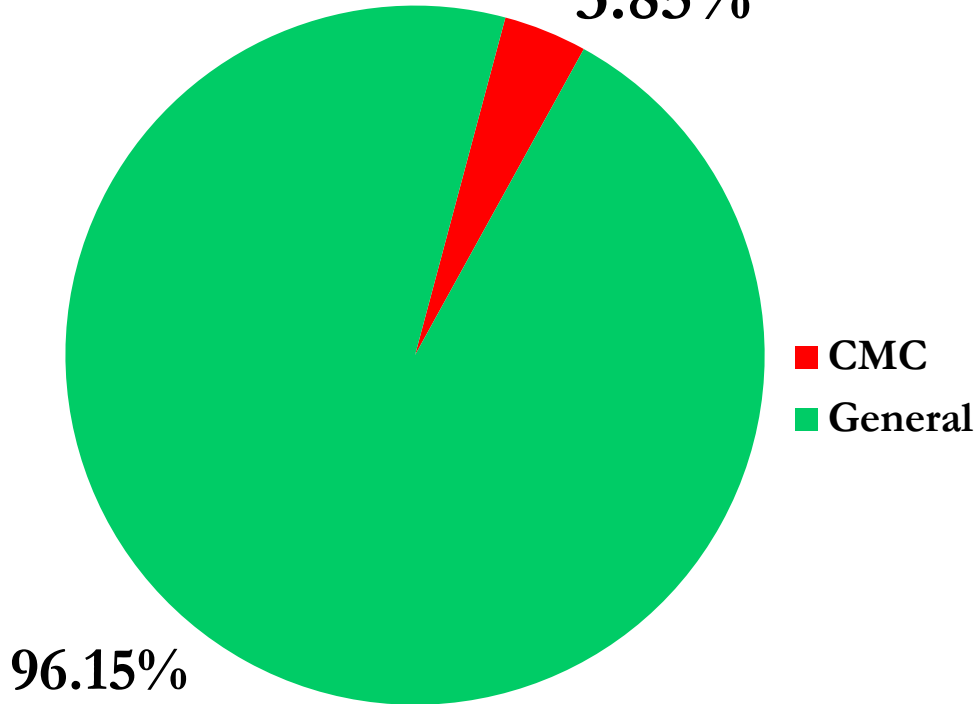
## General Pediatric Population vs. Children with Medical Complexity Calendar Years 2014-2017

Calendar Year	Children with Medical Complexity 5b-9	
2014	3,464	3.12%
2015	3,801	3.39%
2016	4,256	3.74%
2017	4,322	3.85%
CY 2014-2017	Avg: 3,961 children per CY	Avg: 3.52% children per CY

CHILDREN ENROLLED IN DELAWARE  
MEDICAID AND CHIP PROGRAMS  
CALENDAR YEARS 2014-2017

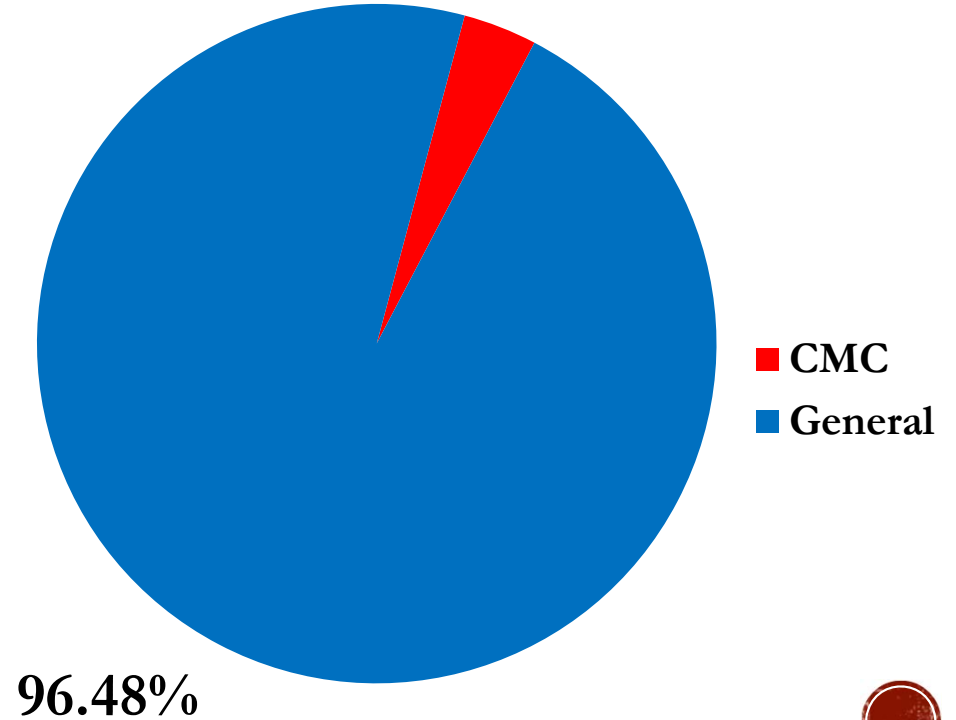
CY 2017

3.85%



CY 2014-2017

3.52%





# POTENTIAL TAKEAWAY POINTS

- Small percent increase in children with medical complexity with each year
- For CYs 14-17 saw total increase of 858 children with medical complexity
- Potential Considerations
  - Increase in overall number of children per CY in state of Delaware
  - Increase in overall number of children enrolled in Medicaid and CHIP Programs (+/-)
  - Earlier and/or improved diagnosis of children with medical complexity
  - Improved health outcomes and longer life span for children with medical complexity



# NEXT STEPS

- Complete data collection for CY 14-16 (clinical utilization)
- Analyze clinical utilization data (*hospital admits and ER visits*) for CY 14-16
- Identify trends for demographic parameters and clinical utilization data
- Create internal data analysis report for review
- Develop data summary sheet to “external” distribution (for education and awareness)
- Determine priority data results for further query and analysis

