Delaware Health and Social Services

Division of Medicaid and Medical Assistance

CHILDREN WITH MEDICAL COMPLEXITY ADVISORY COMMITTEE

DATA WORKGROUP PRESENTATION
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

<table>
<thead>
<tr>
<th></th>
<th>Total Pediatric Population</th>
<th>General Pediatric Population</th>
<th>Children with Medical Complexity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Count</strong></td>
<td>112,224</td>
<td>107,902</td>
<td>4,322</td>
</tr>
<tr>
<td><strong>Percentage</strong></td>
<td>96.15%</td>
<td>5b-9</td>
<td>3.85%</td>
</tr>
</tbody>
</table>
## Children Enrolled in Delaware Medicaid and CHIP Programs

### General Pediatric Population vs. Children with Medical Complexity

*Calendar Years 2014-2017*

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Total Pediatric Population</th>
<th>General Pediatric Population</th>
<th>Children with Medical Complexity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-9</td>
<td>1-5a</td>
<td>5b-9</td>
</tr>
<tr>
<td>2014</td>
<td>111,113</td>
<td>107,649</td>
<td>3,464</td>
</tr>
<tr>
<td>2015</td>
<td>112,418</td>
<td>108,617</td>
<td>3,801</td>
</tr>
<tr>
<td>2016</td>
<td>113,756</td>
<td>109,500</td>
<td>4,256</td>
</tr>
<tr>
<td>2017</td>
<td>112,224</td>
<td>107,902</td>
<td>4,322</td>
</tr>
</tbody>
</table>
# Children Enrolled in Delaware Medicaid and CHIP Programs

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Children with Medical Complexity 5b-9</th>
<th>Children with Medical Complexity 5b-9 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>3,464</td>
<td>3.12%</td>
</tr>
<tr>
<td>2015</td>
<td>3,801</td>
<td>3.39%</td>
</tr>
<tr>
<td>2016</td>
<td>4,256</td>
<td>3.74%</td>
</tr>
<tr>
<td>2017</td>
<td>4,322</td>
<td>3.85%</td>
</tr>
<tr>
<td><strong>CY 2014-2017</strong></td>
<td><strong>Avg: 3,961 children per CY</strong></td>
<td><strong>Avg: 3.52% children per CY</strong></td>
</tr>
</tbody>
</table>
CHILDREN ENROLLED IN DELAWARE MEDICAID AND CHIP PROGRAMS
CALENDAR YEARS 2014-2017

CY 2017

- CMC: 3.85%
- General: 96.15%

CY 2014-2017

- CMC: 3.52%
- General: 96.48%
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