

ANALYSIS OF Sickle Cell Disease in Oklahoma's SoonerCare Program

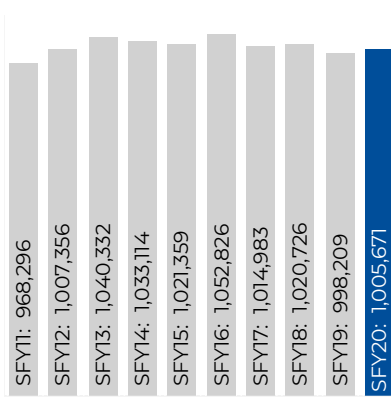


SoonerCare Members

In SFY2020 there were 664 SoonerCare members diagnosed with sickle cell disease (SCD), up from 645 in SFY2019. The prevalence rate of SCD continues to remain below 0.1% of SoonerCare members.

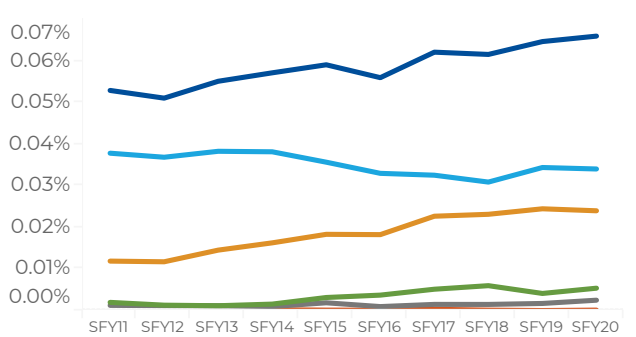
The most common type of SCD was sickle cell anemia, although sickle cell trait continues to rise in incidence.

Total SoonerCare Enrollment SFY2011 - SFY2020



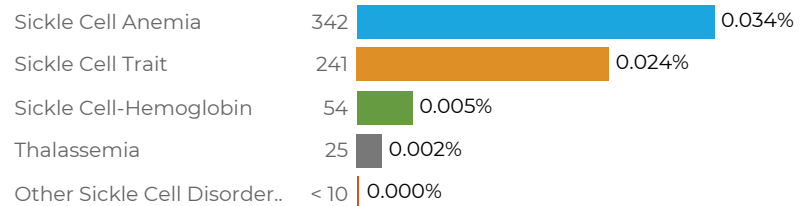
Sickle Cell Disease Prevalence Rates SFY2011 - SFY2020

Sickle Cell Disease Type: **Total** | Sickle Cell Anemia | Sickle Cell-Hemoglobin | Sickle Cell Trait | Thalassemia | Other

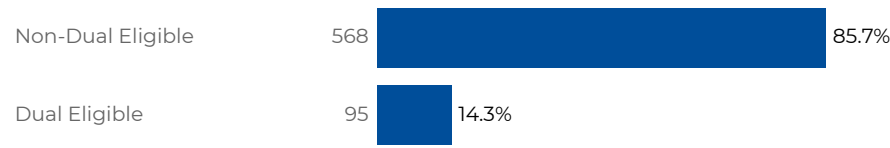


In SFY2020 there were **663** members with sickle cell disease, or **0.07% of all members**

Total Prevalence Rate of Sickle Cell Disease Type in SoonerCare Enrollment SFY2020



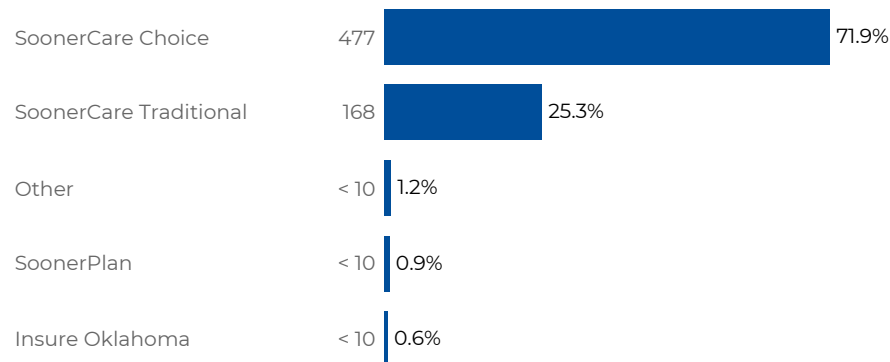
Members with Sickle Cell Disease by Eligibility Type SFY2020



85.7% were Non-Dual Eligible
568 members

**Dual Eligible: members enrolled in both Medicaid and Medicare*

Members with Sickle Cell Disease by Delivery System SFY2020

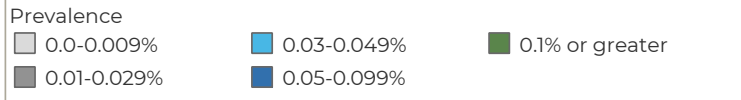


71.9% were enrolled in SoonerCare Choice
477 members

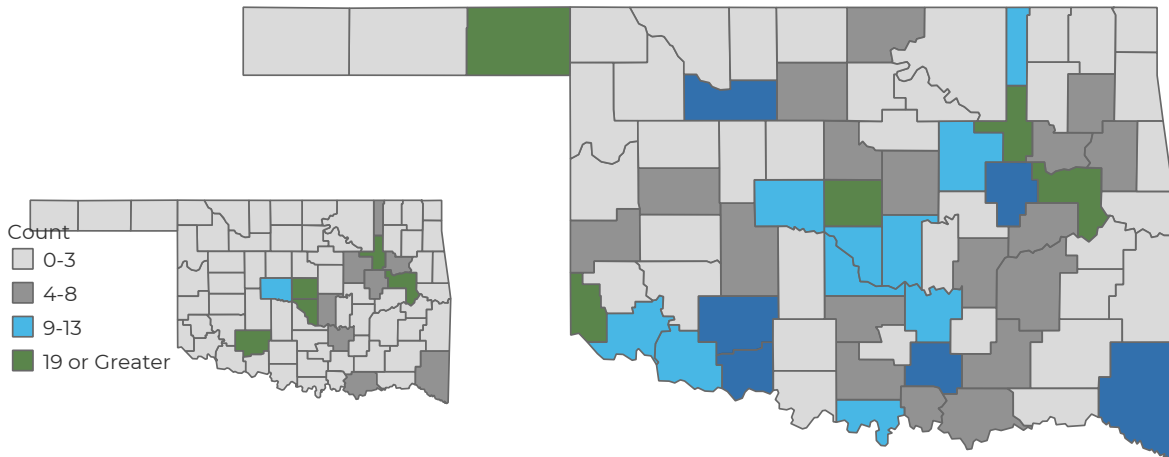
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Prevalence Rates



We continue to see most cases of SCD among SoonerCare members near population centers, with the majority of counties having no cases of SCD.



SoonerCare Members with Sickle Cell Disease

In SFY2020, sickle cell disease was more prevalent among adults, females, and Black or African Americans than would be expected based on the demographic composition of all SoonerCare members. See details below. The black line represents the percent of total SoonerCare members.

50.7%

were children
336 members



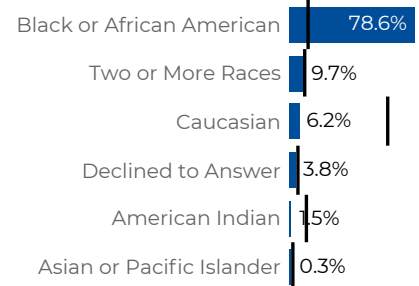
61.7%

were female
409 members



78.6%

were Black or African American
521 members

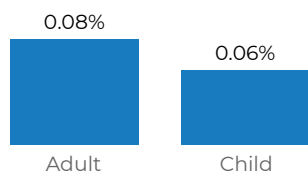


Demographics

Prevalence Rates Among SoonerCare Members

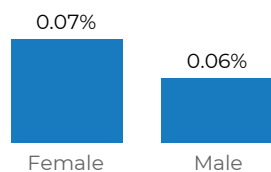
0.08%

of all adult members had sickle cell disease



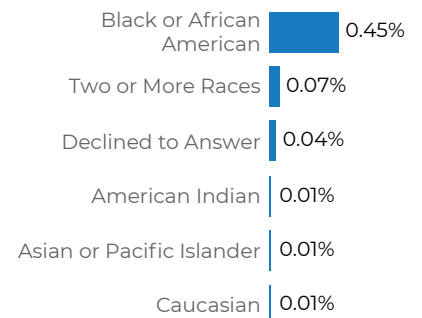
0.07%

of all female members had sickle cell disease



0.45%

of all Black or African American members had sickle cell disease



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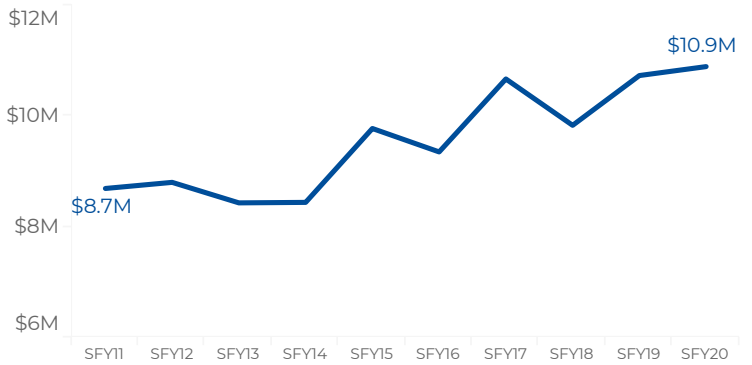


Reimbursement Cost

The total reimbursement for services rendered for members with SCD was \$10,895,117 in SFY2020, nearly unchanged from \$10,733,553 in SFY2019. Despite only 0.1% of SoonerCare members having been diagnosed with SCD, in SFY2020 the total reimbursement for members with SCD made up 0.2% of all reimbursements paid that year. The percent of total reimbursements for members with SCD remains disproportionate to its prevalence in the total SoonerCare population, this is further illustrated in the graph below.

The average reimbursement for adult members with SCD was 81.7% higher (\$21,283) than the average reimbursement for children members with SCD (\$11,713) in SFY2020.

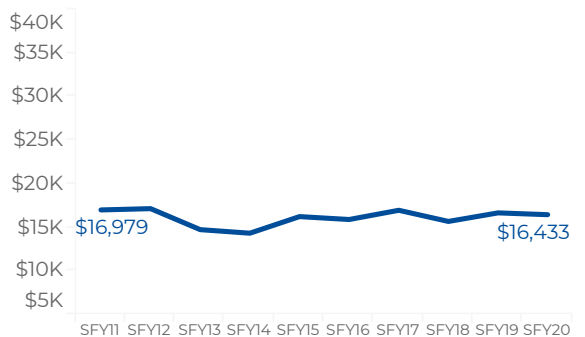
Annual Reimbursement for Members with Sickle Cell Disease SFY2011 - SFY2020



SoonerCare Members with Sickle Cell Disease: Percent of Total Reimbursement Compared to Percent of Total SoonerCare Enrollment



Average Reimbursement per Member with Sickle Cell Disease SFY2011 - SFY2020



\$10,895,117

Total reimbursement for members with sickle cell disease

\$16,433

Average reimbursement for members with sickle cell disease

| | Total Reimbursement | % of Total Reimbursement | Reimbursement per Member |
|-------------------|---------------------|--------------------------|--------------------------|
| Dual Eligible | \$894,931 | 8.2% | \$9,420 |
| Non-Dual Eligible | \$10,000,186 | 91.8% | \$17,606 |
| Adult | \$6,959,520 | 63.9% | \$21,283 |
| Child | \$3,935,597 | 36.1% | \$11,713 |
| Female | \$6,273,891 | 57.6% | \$15,340 |
| Male | \$4,621,226 | 42.4% | \$18,194 |