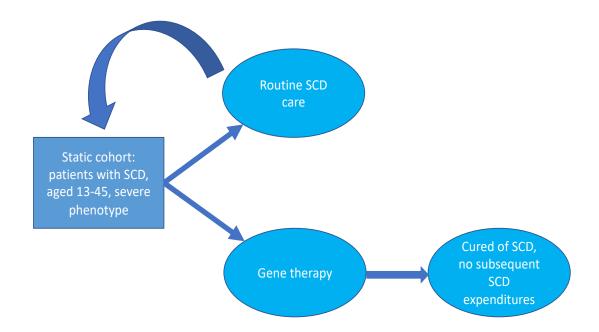
Supplementary Online Content

DeMartino P, Haag MB, Hersh AR, Caughey AB, Roth JA. A budget impact analysis of gene therapy for sickle cell disease: the Medicaid perspective. *JAMA Pediatr*. Published online March 22, 2021. doi:10.1001/jamapediatrics.2020.7140

- **eFigure 1.** Flow Diagram of the Analytic Framework
- **eTable.** Disease Burden Among Medicaid Enrollees
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This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1. Flow Diagram of the Analytic Framework

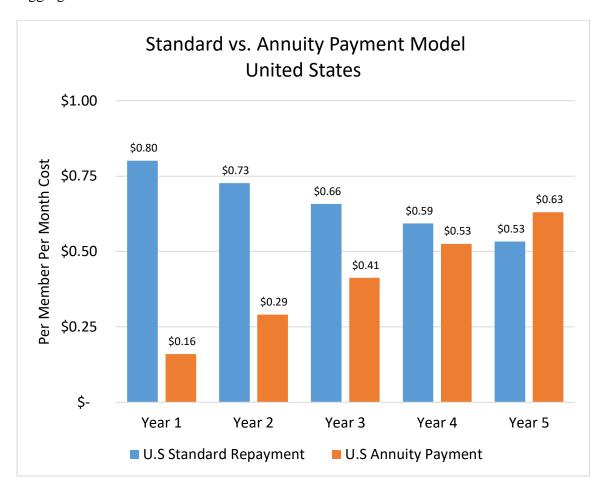


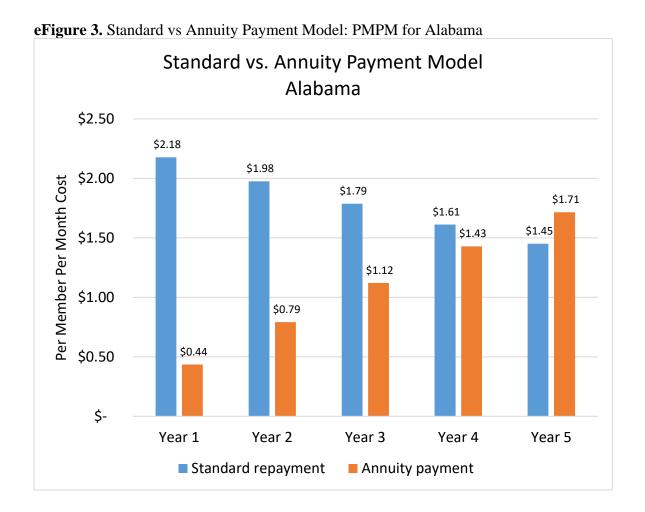
eTable. Disease Burden Among Medicaid Enrollees

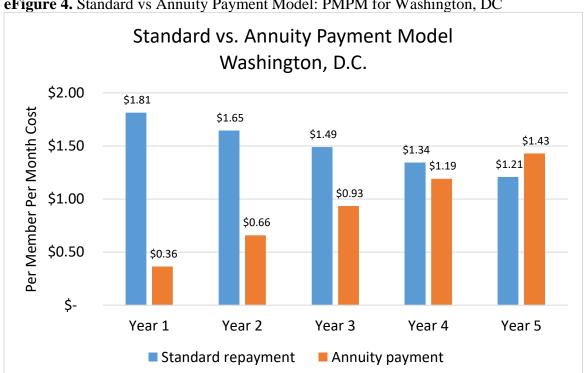
Parameter	United States	Alabama	District of Columbia	Florida	Georgia	Louisiana	Maryland	Mississippi	North Carolina	South Carolina	Virginia
Total Medicaid Enrollment ^a	73,642,979	902,197	262,096	3,800,552	1,818,600	1,459,238	1,325,225	645,271	1,784,003	1,038,602	1,030,996
Medicaid population with SCD, aged 13-45 ^a	29,143	971	235	2,777	1,881	1,304	907	979	1,386	1,084	814
Medicaid population with SCD, severe, aged 13-45 ^b	5,464	182	44	521	353	245	170	184	260	203	153

a) 2012 enrollment data¹³. b) Excluded SC genotype (25% of SCD) and assumed 25% patients with SCD having severe phenotype

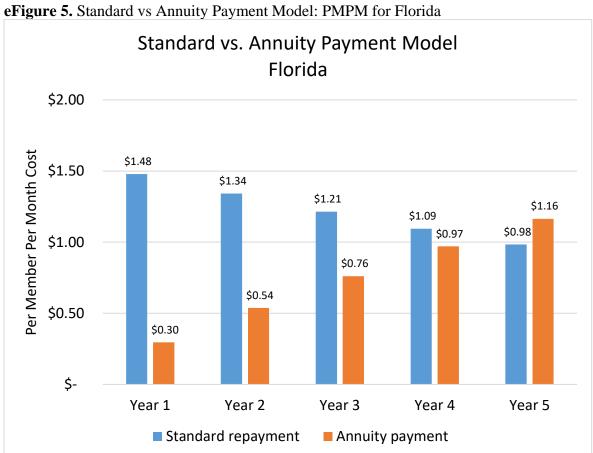
eFigure 2. Standard vs Annuity Payment Model: PMPM for all US Medicaid Programs in Aggregate

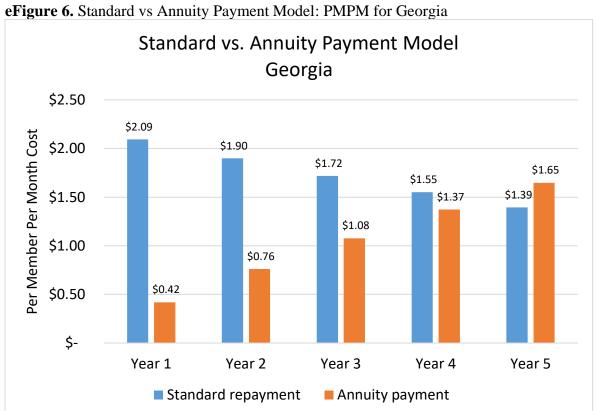


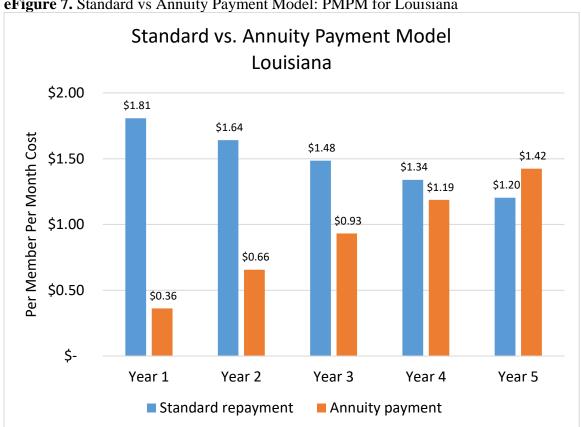




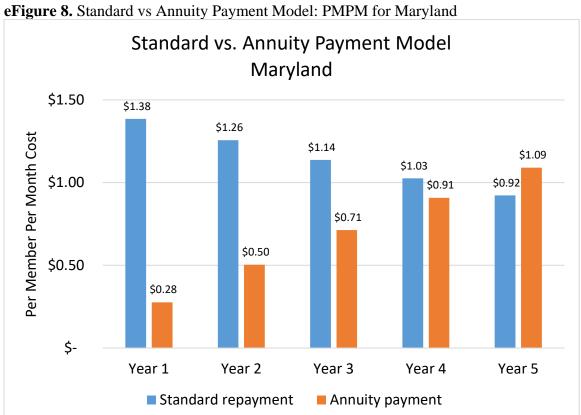
eFigure 4. Standard vs Annuity Payment Model: PMPM for Washington, DC

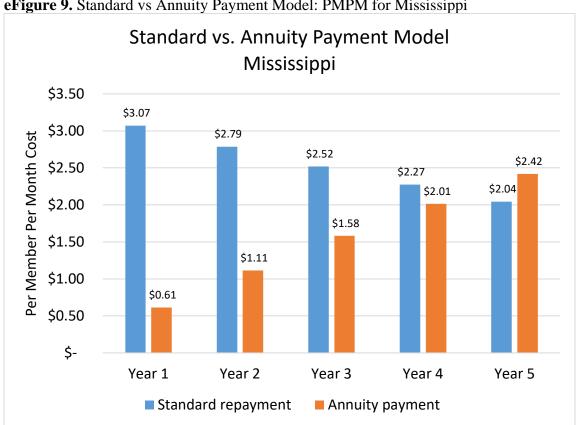


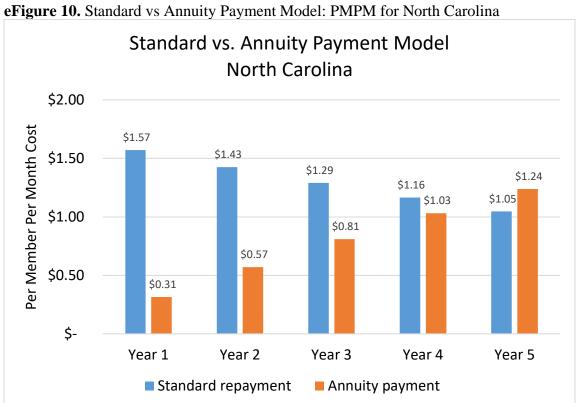


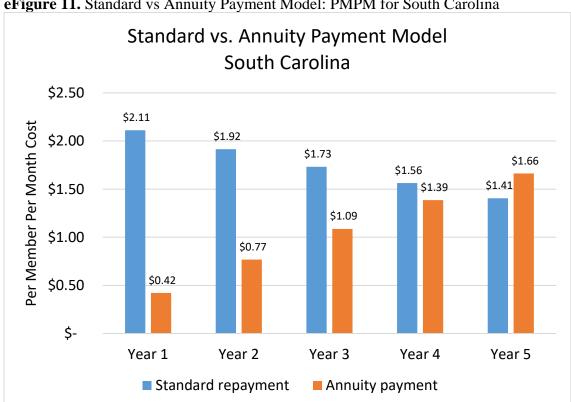


eFigure 7. Standard vs Annuity Payment Model: PMPM for Louisiana

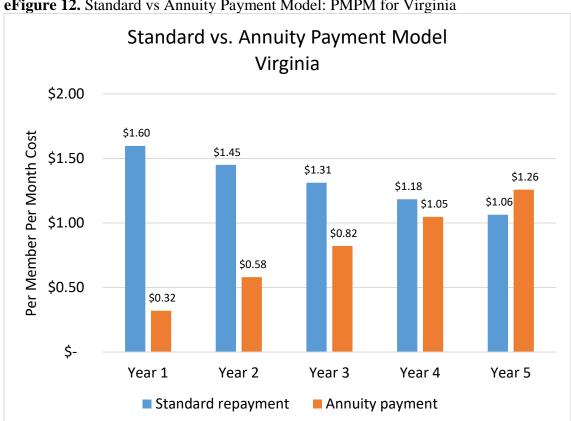








eFigure 11. Standard vs Annuity Payment Model: PMPM for South Carolina



eFigure 12. Standard vs Annuity Payment Model: PMPM for Virginia