

Dental Health Analysis

CIVHC's Dental Health Analysis includes a first-of-its-kind Dental Dashboard that leverages commercial claims data to explore trends across Colorado. Built in partnership with the Colorado Dental Association, **this unique resource provides a clear picture of dental care using three years of data from the Colorado All Payer Claims Database (2022-2024).**

The dashboard reveals cost patterns in preventive care, restorative treatments, and oral surgery – while also looking at utilization by geography and demographics.

For providers in particular, the dashboard can highlight trends in patient populations and uncover patterns that may otherwise remain hidden in day-to-day practice. By understanding how utilization and costs differ by geography, payer, or demographic group, providers can adapt care models to focus on prevention, engagement, and early intervention.



2024 Insights



1.6M Dental services delivered statewide

\$485M Total spending

\$285 Average per person per year costs

Cost Analysis

Average Cost by Age

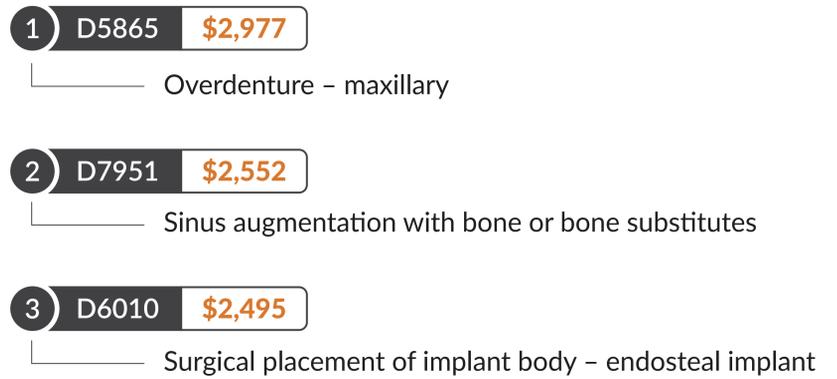
In 2024, average per person per year costs varied significantly with adults age 65+ spending more than double the 18-34 age group.



Most Costly Procedures

High-cost restorative procedures, such as dental implants and prosthetics, contribute significantly to overall spending.

Top 3 by charged amount:

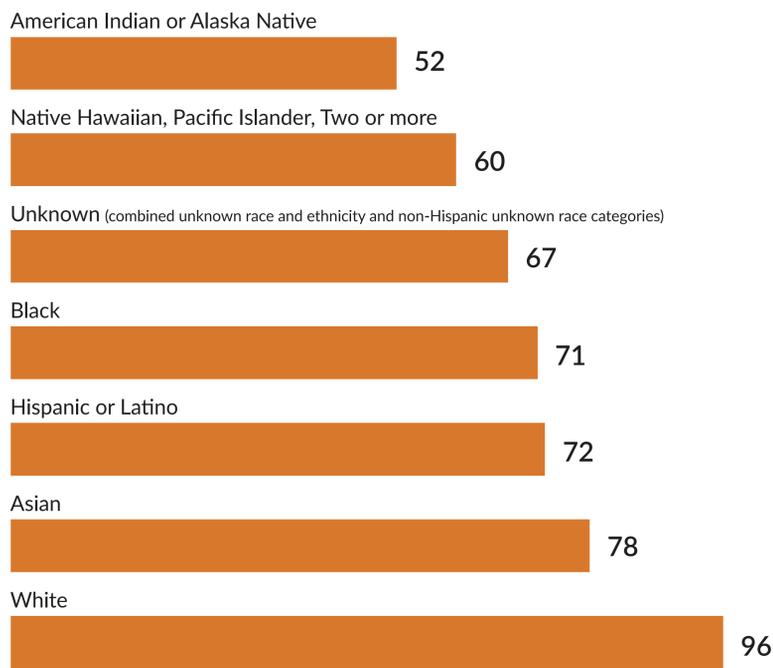


Service Utilization (per 1K people | 2024)

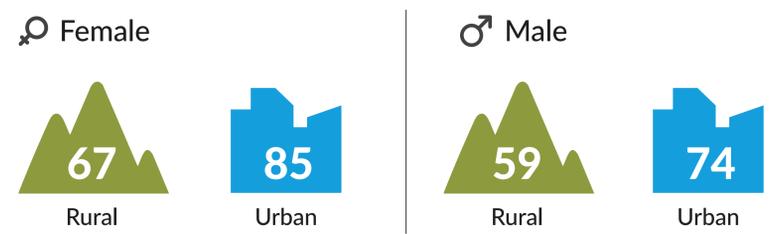
Utilization rates are calculated based on unique services per populations of 1,000. **This rate is based on the number of unique service types used, not the number of times the service is used.** For example, even if many people receive dental cleanings within a group of 1,000 residents, it is counted as one unique service for that group.

In 2024, the statewide average utilization rate was 81 per 1,000 people. However, males living in rural areas accessed dental care at a rate of just 59 per 1,000. Younger people in rural areas accessed care at an even lower rate with just 42 per 1,000.

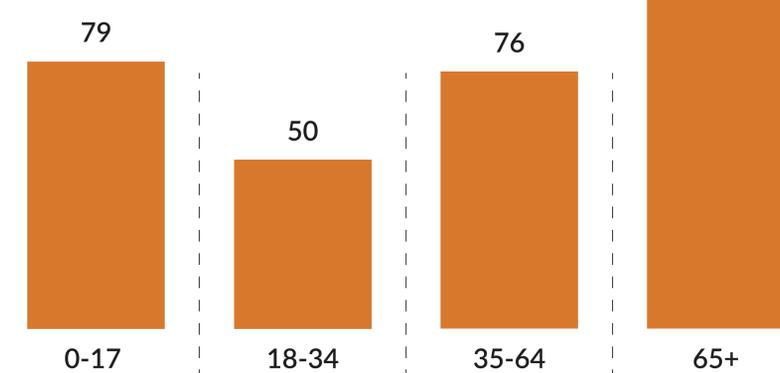
Utilization by Race/Ethnicity



Utilization by Sex



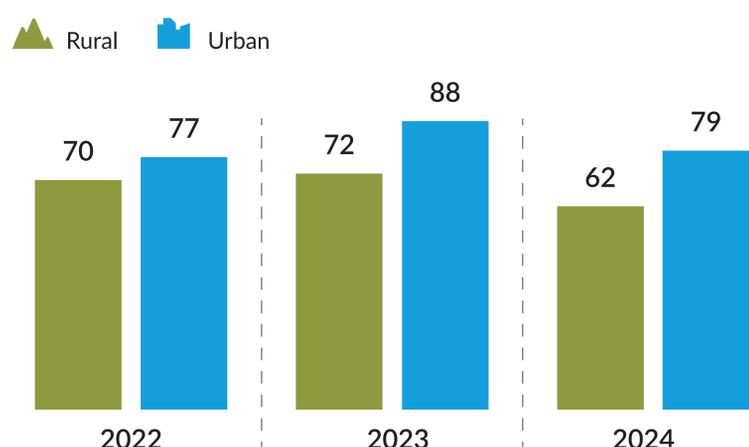
Utilization by Age



Geography

Costs are higher in many rural regions, where fewer providers and longer travel distances may limit timely care. Among complex treatments, D2740 (porcelain crown) costs 6% more per procedure in rural regions, while D3310 (root canal) averages \$620 per service in rural areas compared to \$582 in urban ones.

Utilization by Geography and Year (average per 1K people)



Urban vs Rural Cost Disparities

Across several commonly billed dental procedures, rural areas in Colorado consistently show higher per-service average allowed amounts than their urban counterparts.

	Rural	Urban
D1110 Adult dental cleaning	\$84	\$78
D2740 Porcelain crown	\$916	\$871
D3310 Root canal on front tooth	\$620	\$582