

Protecting and Advancing Community Water Fluoridation



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Community Water Fluoridation

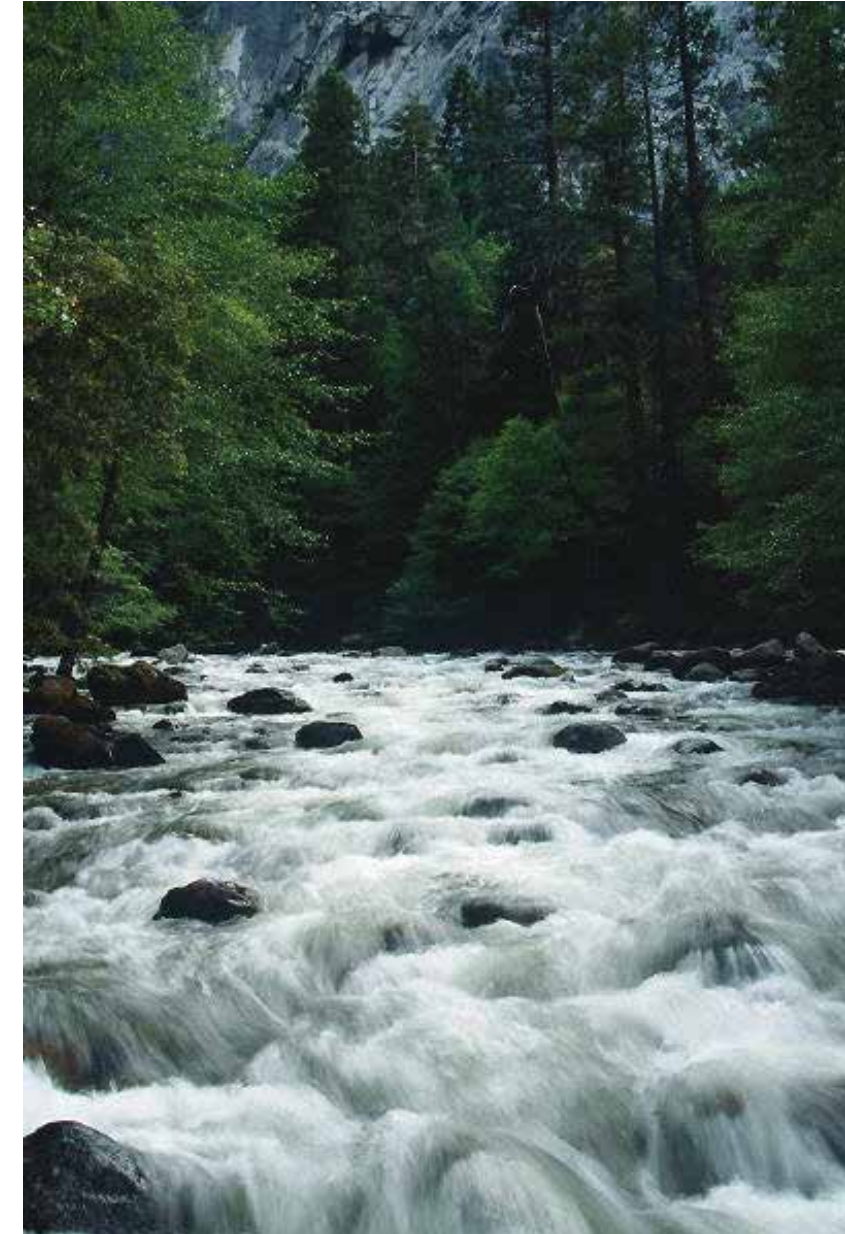


Fluoridation is the **adjustment of the fluoride** in drinking water to the optimal level for reducing tooth decay



Community Water Fluoridation

- 13th most abundant mineral in the earth's crust
- One of ten great public health achievements of the twentieth century (CDC)
- Water fluoridation has over a 70 year history of success
- The only population based health intervention for WV adults

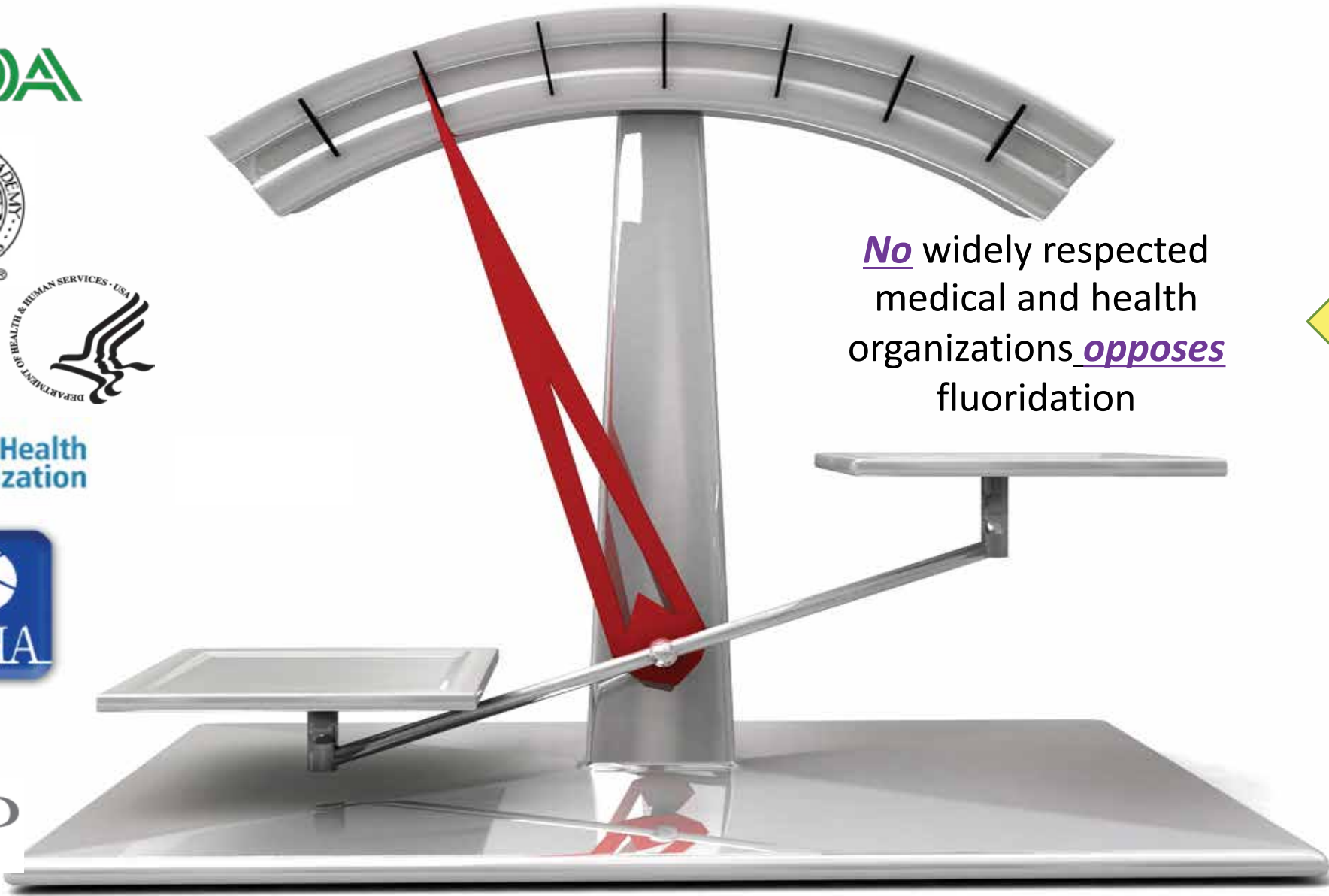


Fluoridation is
Effective

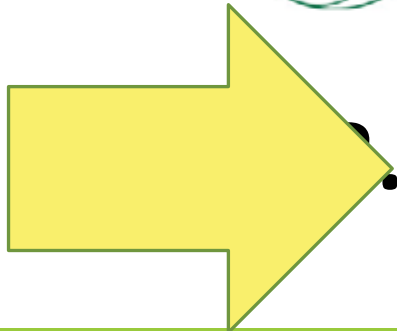
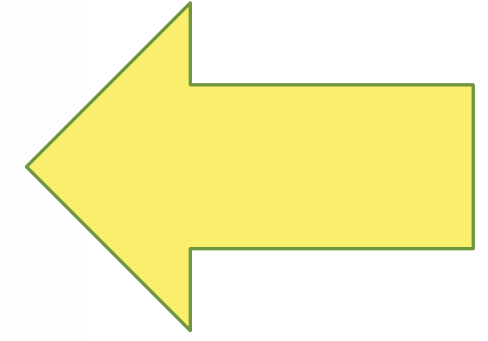


**Fluoridation reduces tooth decay
about 25%**

The Weight of Science



No widely respected medical and health organizations opposes fluoridation



No adverse health effects from drinking fluoridated water



Mingo County Health Department (Gilbert)
Mason County Health Department (Hartford)
Logan County Health Department (Logan)

Jackson County Health Department (Ripley)
Roane County Health Department (Spencer)

Calhoun, Jackson, Pleasants, Ritchie, Roane,
Tyler, Wirt, and Wood counties

Key Messages



- Fluoridation is a community health measure that benefits people of **all ages**.
- Fluoridation is **safe** and is supported by credible scientific evidence.
- Fluoridation is both cost **effective and cost effective** .

Action Steps

- Find out if your PSD fluoridates
 - My Water's Fluoride-CDC
- Report any rollback attempts





Marshall **Dentistry & Oral Surgery**



Hospital Emergency Department Visits for Non-Traumatic Oral Health Conditions

2018 WEST VIRGINIA RURAL HEALTH
CONFERENCE

PIPESTEM STATE PARK, WV

OCTOBER 18, 2018

Special Acknowledgements

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&
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- 69 year old male, covered by Medicare
 - Presented in ED with diagnosis “Cellulitis and Abscess of Mouth”
 - Admitted –Length of Stay 49 days
 - Total Charges **\$526,869.79**
 - \$301,749.29 (Supplies, Pharmacy, Room, etc.)
 - \$225,120.50 CPT Charges
- *Does not included the ~ 25K for surgery charges***



Data Sources

✓ Cabell Huntington Hospital (Huntington, WV)

**Single West Virginia Emergency Department*



Case Selection

- All Patients Presenting During Calendar Years **2010-2016** to Emergency Department Using the Cerner Electronic Medical Record System
- Primary Diagnoses Indicative of a Non-Traumatic Dental Complaint
 - *Defined as dental pain and oral disease caused by caries, pulpitis, periodontal disease, etc.*



Diagnoses

- **83% of visits** were for three primary complaints
- Three of five complaints could be better treated in a dental setting or with preventive dental care

TOP DIAGNOSIS BY VISIT COUNT		
K08.9	DISORDER OF TEETH AND SUPPORTING STRUCTURES, UNSPECIFIED	37.54%
K04.7	PERIAPICAL ABSCESS WITHOUT SINUS	26.21%
K02.9	DENTAL CARIES, UNSPECIFIED	19.37%
K12.2	CELLULITIS AND ABSCESS OF MOUTH	9.54%
L03.211	CELLULITIS OF FACE	4.76%



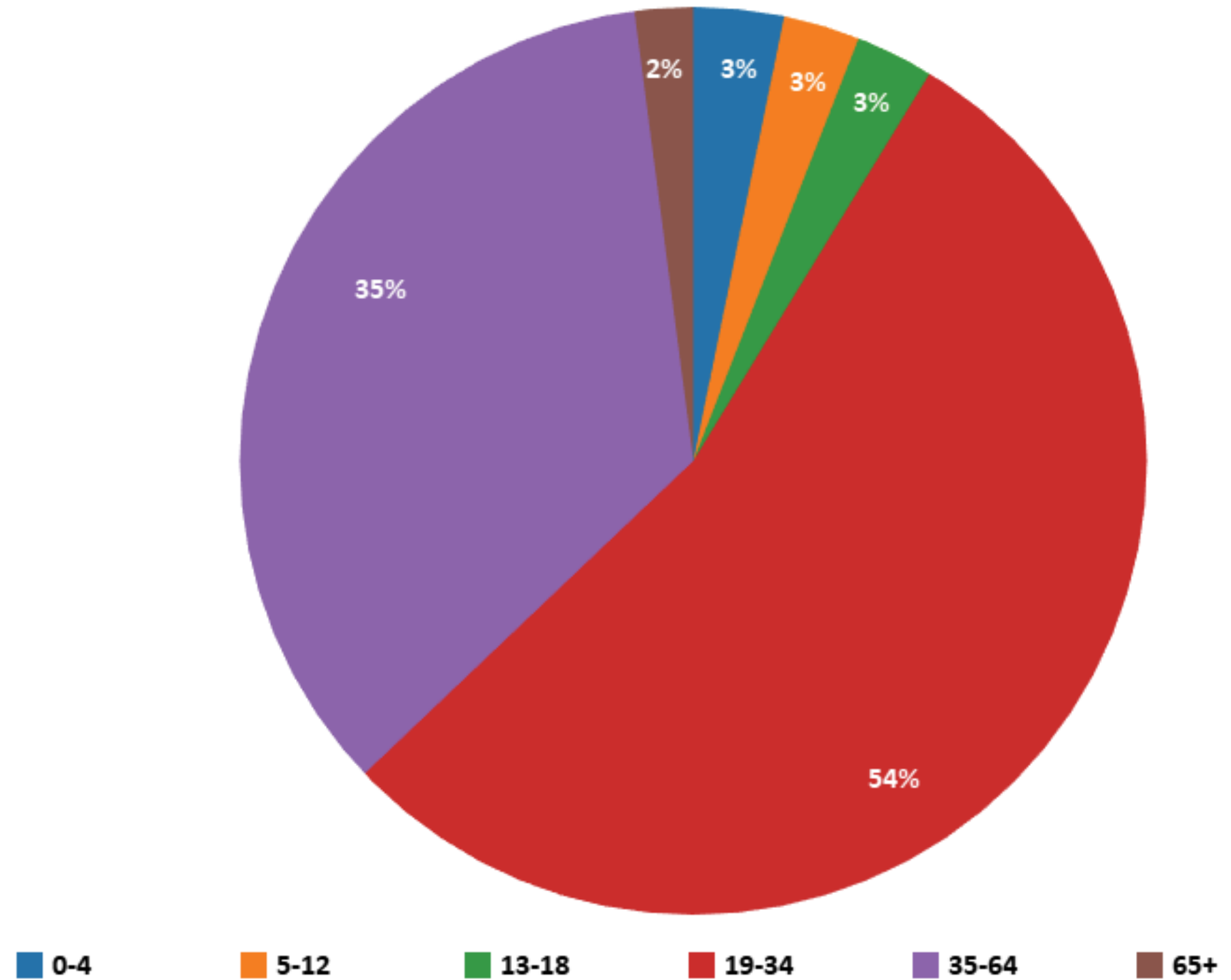
Costs and Prevalence

- 10,451 total visits between 2010-2016 to the ED were studied
 - \$1,838.42 =average charge for non-traumatic dental ED visits
 - **\$ 19,025,814=Total charges**



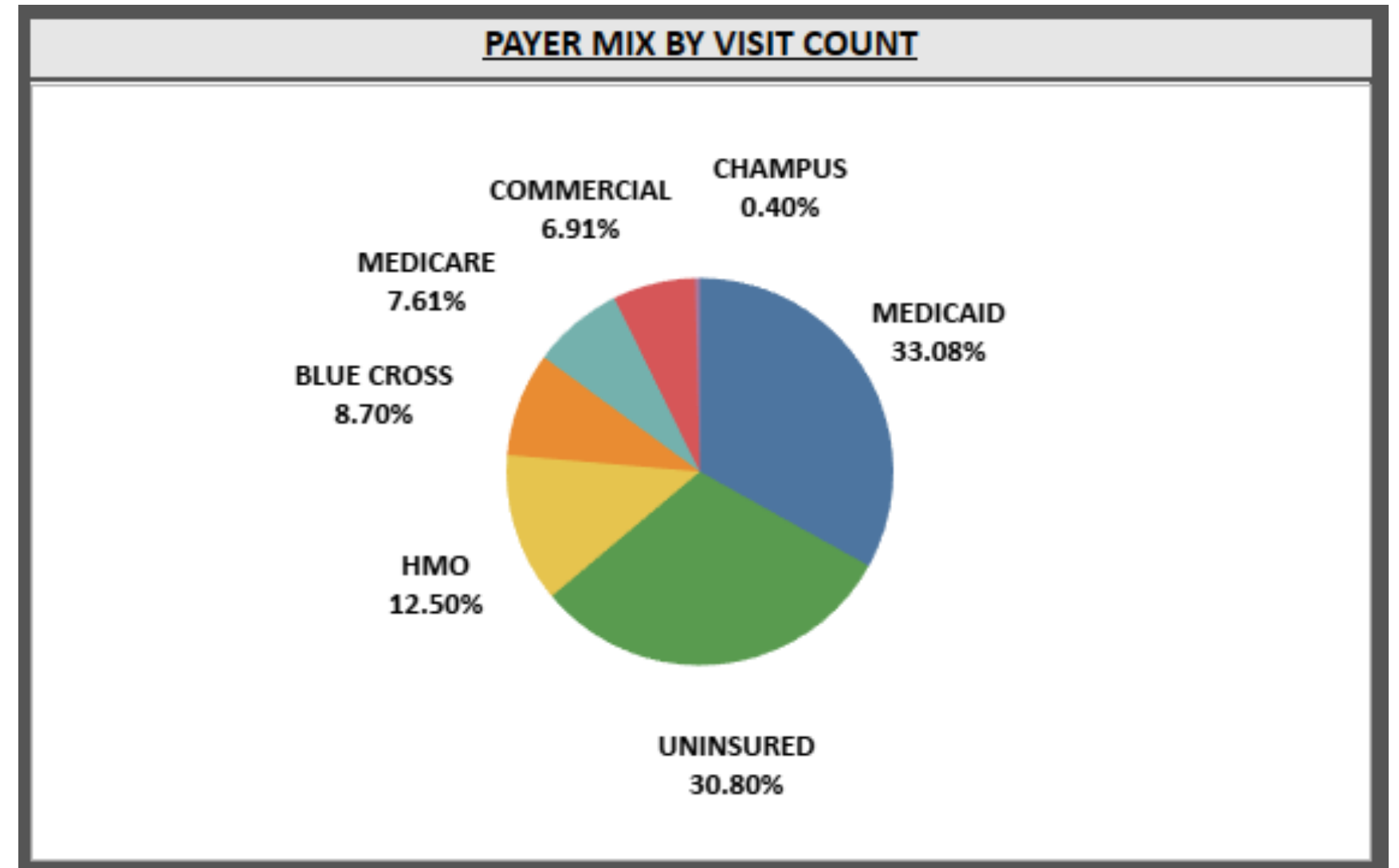
Age

- 89% between age 19 and 64



Insurer Mix

- About 1 in 3 were covered by **Medicaid**
- About 1 in 3 were **Uninsured**
- 64% of visits were by those with **Medicaid** or the **Uninsured**



Patient Centered View

Fiscal Impact For A Single Patient

3 visits to the ED for dental care between October 1, 2015 and October 31, 2016

Totaling = **\$77,500.00**



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