

In 2011-2018,
13,223,810 U.S. working-age adults
could not work due to oral pain.
How is this associated with their wealth?

Our objective is to examine the
Association of Oral Pain-Related Productivity Loss with
Wealth in Working-Age Adults in 2011-2018
using National Health and Nutrition Examination Survey data

THE PROBLEM

- Working-age adults' poor oral health and access to dental care remains relatively unchanged since 2000¹
- Poor oral health and lack of access to care can result in difficulty in carrying out school or job activities due to oral problems or **oral pain related productivity loss (OPRPL)**²
- Wealth, a "fundamental determinant of health,"³ and its association with OPRPL has not been explored

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WHAT WE DID

- 2011-2018 NHANES data: 10,908 adults (30 to 64 years)
- OPRPL:
 - "Never"
 - "Sometimes" ("Hardly ever" and "Somewhat often" responses)
 - "Always" ("Often" and "Always" responses)
- Wealth:
 - "High-wealth" (homeowners with $\ge\$2.9k$ monthly income)
 - "Middle-wealth" (not homeowners with $\ge\$2.9k$ monthly income **OR** homeowners with $<\$2.9k$ of monthly income)
 - "Low-wealth" (not homeowners with $<\$2.9k$ monthly income)
- Descriptive statistical analysis and multilevel multinomial logistic regressions with **Age** (30 – 40, 41 – 54, 55 – 64), **Race/Ethnicity** (Asian, Black, Hispanic, Multi-Racial/Other, White), **Sex** (F, M), **Education** (<High school, High school, High school>), **Barriers to care** (None, Financial, Non-Financial) to assess association of wealth with OPRPL using **SAS 9.4**
- Subset analysis with **savings** variable (ref: having $\$20k+$ savings)

THE SOLUTION

- Adequate dental coverage for working-age adults
- Fiscal/housing policy for low-income groups and Black/Brown people that also repairs past harms that created persistent wealth gaps (i.e., reparations)
- Oral health research that factors in historical structural / systemic inequities

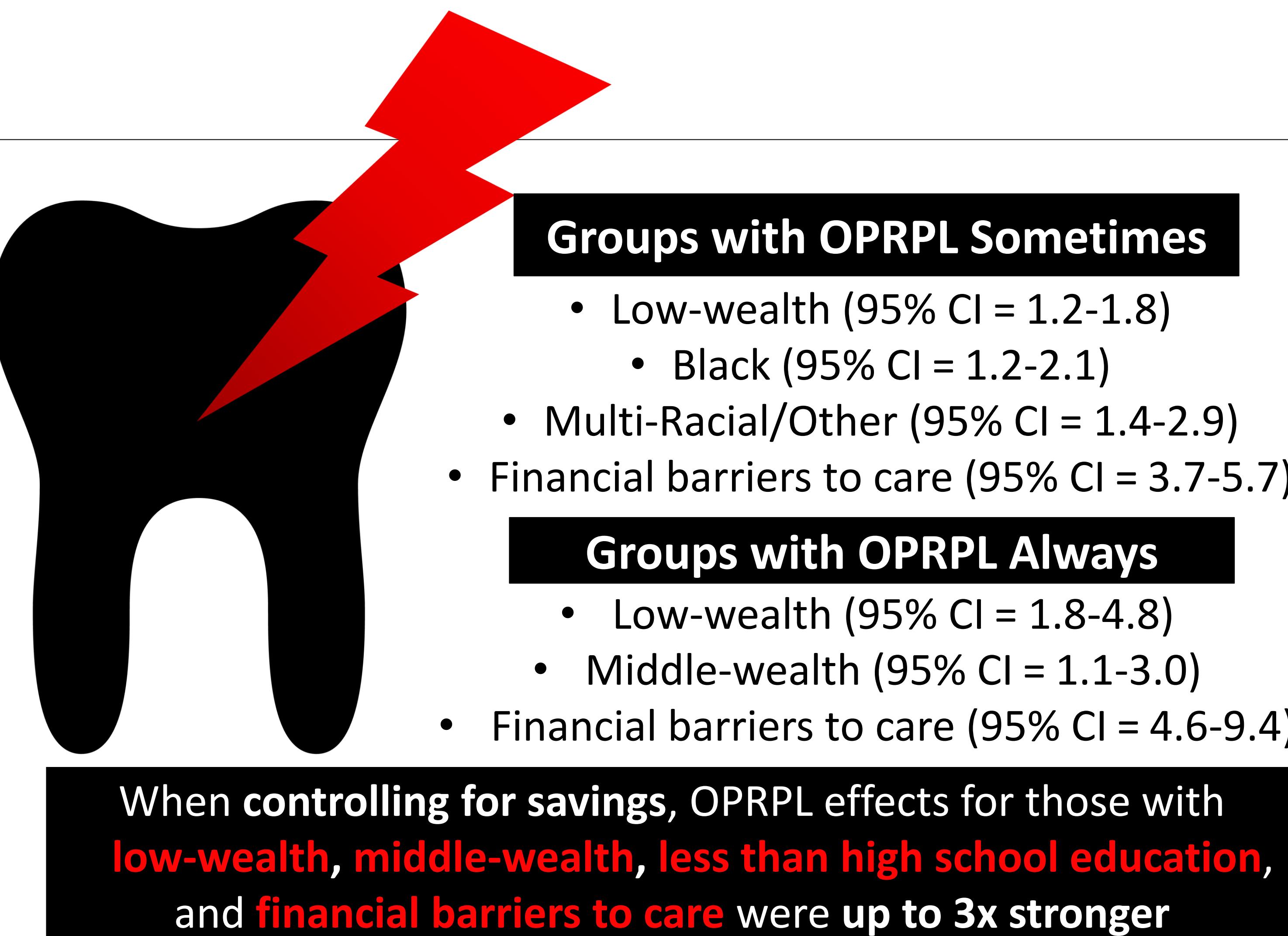
WHAT WE FOUND

Money Matters!

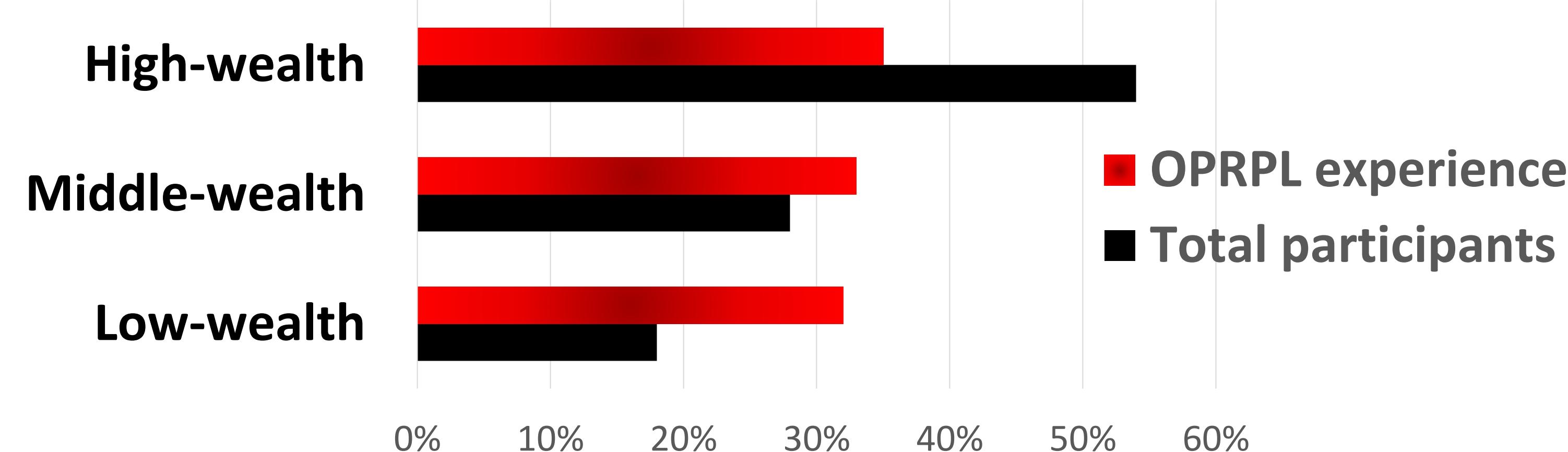
47% of those with financial barriers to care had oral pain-related productivity loss

VS

4% of those with non-financial barriers to care



Those with **low-wealth** had a disproportionate amount of **OPRPL experience**



Want more results and references?

