Nurses as cross-sector data sharing champions
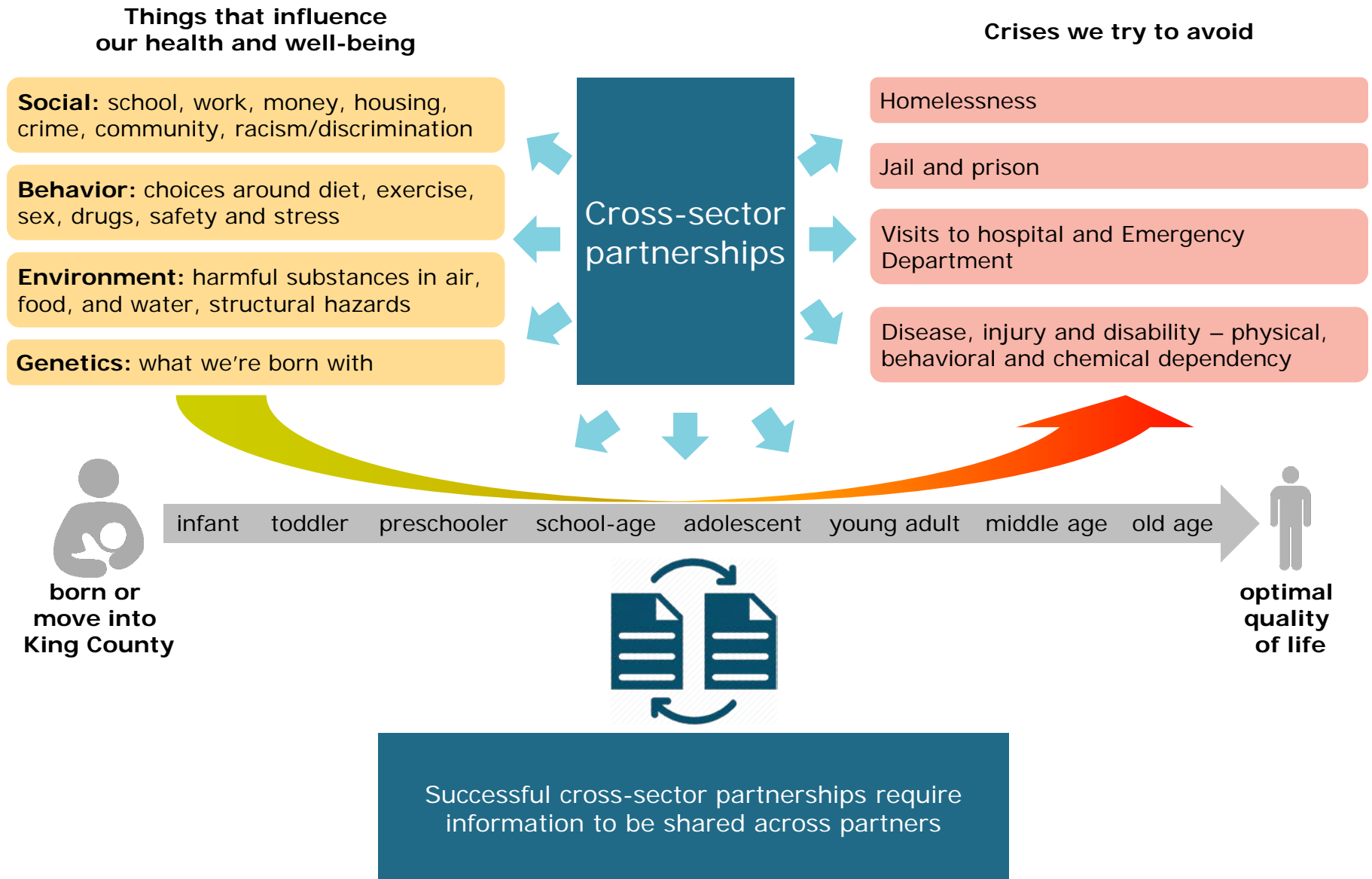
Future of Nursing 2030 Seattle Town Hall:
Technology to Inform Practice and Advance Equity

Public Health
Seattle & King County

Health equity, cross-sector data sharing, and nurses

- Barriers to improving the health and well-being of the U.S. population include:
  - Challenges in addressing social determinants of health
  - Fragmentation in delivery of health care, social, and public health services

- Many cross-sector partnerships aim to address health and social needs across clinical and community settings:
  - Successful partnerships typically require information sharing
  - Information sharing may be more difficult when including non-clinical partners

- Focus of this presentation:
  - How cross-sector data sharing can advance health equity
 - Potential role of nurses in supporting cross-sector data sharing
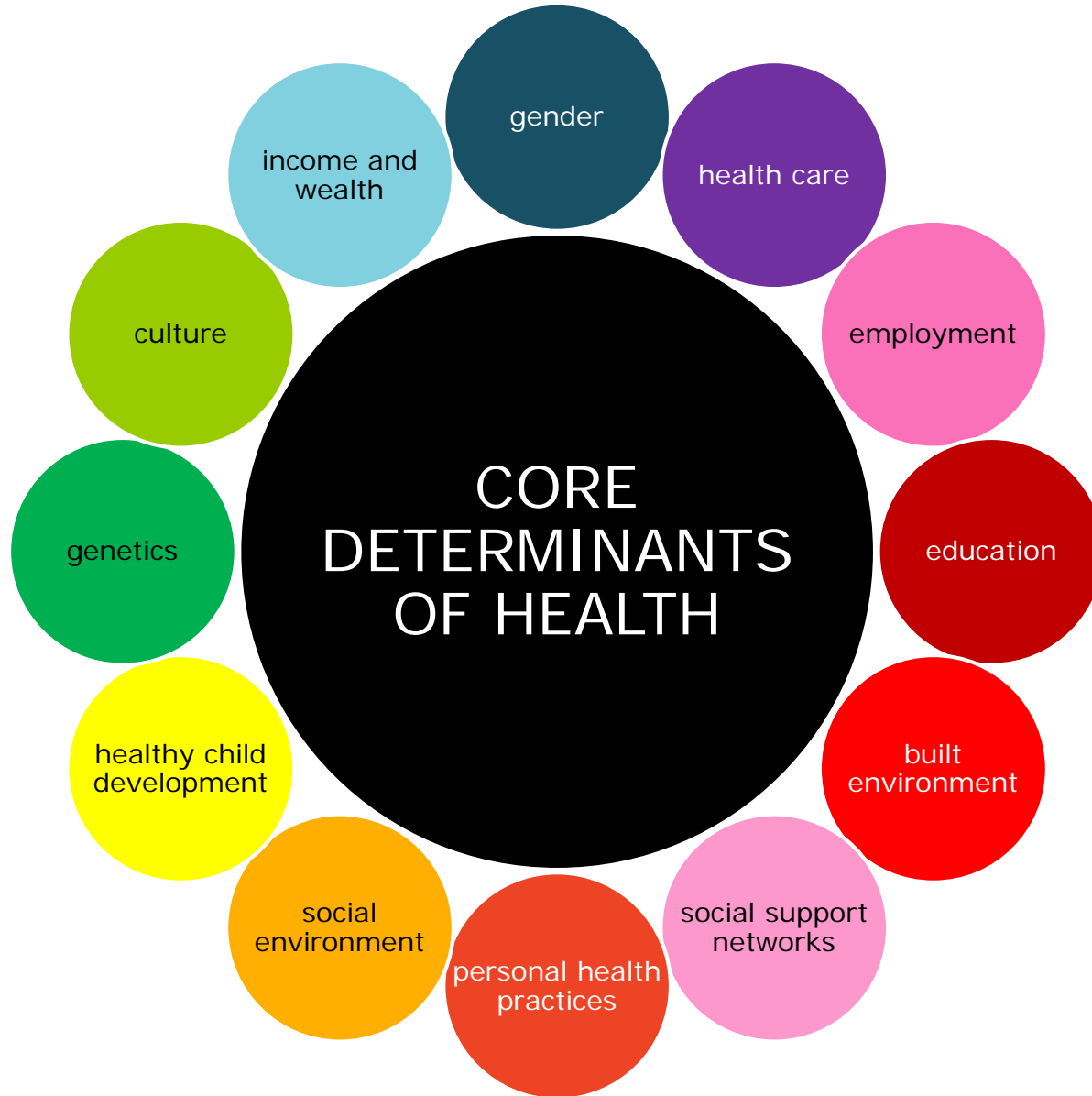
In King County, cross-sector partnerships aim to improve health and well-being throughout the life course

Things that influence our health and well-being

Social: school, work, money, housing, crime, community, racism/discrimination

Behavior: choices around diet, exercise, sex, drugs, safety and stress

Environment: harmful substances in air, food, and water, structural hazards

Genetics: what we're born with

Cross-sector partnerships

Crises we try to avoid

Homelessness

Jail and prison

Visits to hospital and Emergency Department

Disease, injury and disability – physical, behavioral and chemical dependency

born or move into King County

infant   toddler   preschooler   school-age   adolescent   young adult   middle age   old age

optimal quality of life

Successful cross-sector partnerships require information to be shared across partners

Data fragmentation is a barrier to advancing health equity

Data fragmentation =
data systems are program specific and largely do not talk with each other

Clinic   **Jail**

School   **Housing provider**
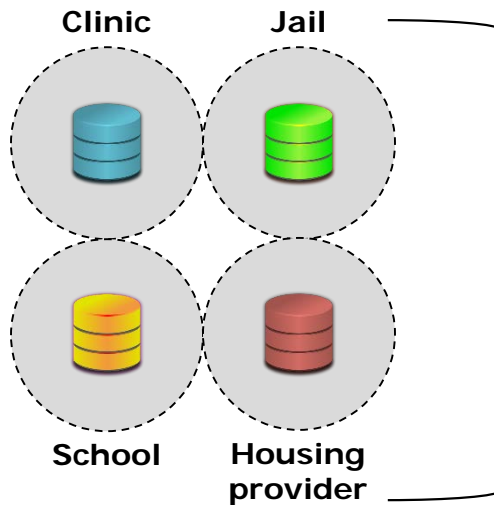
Health & human service providers struggle to:

- Access information about the whole person
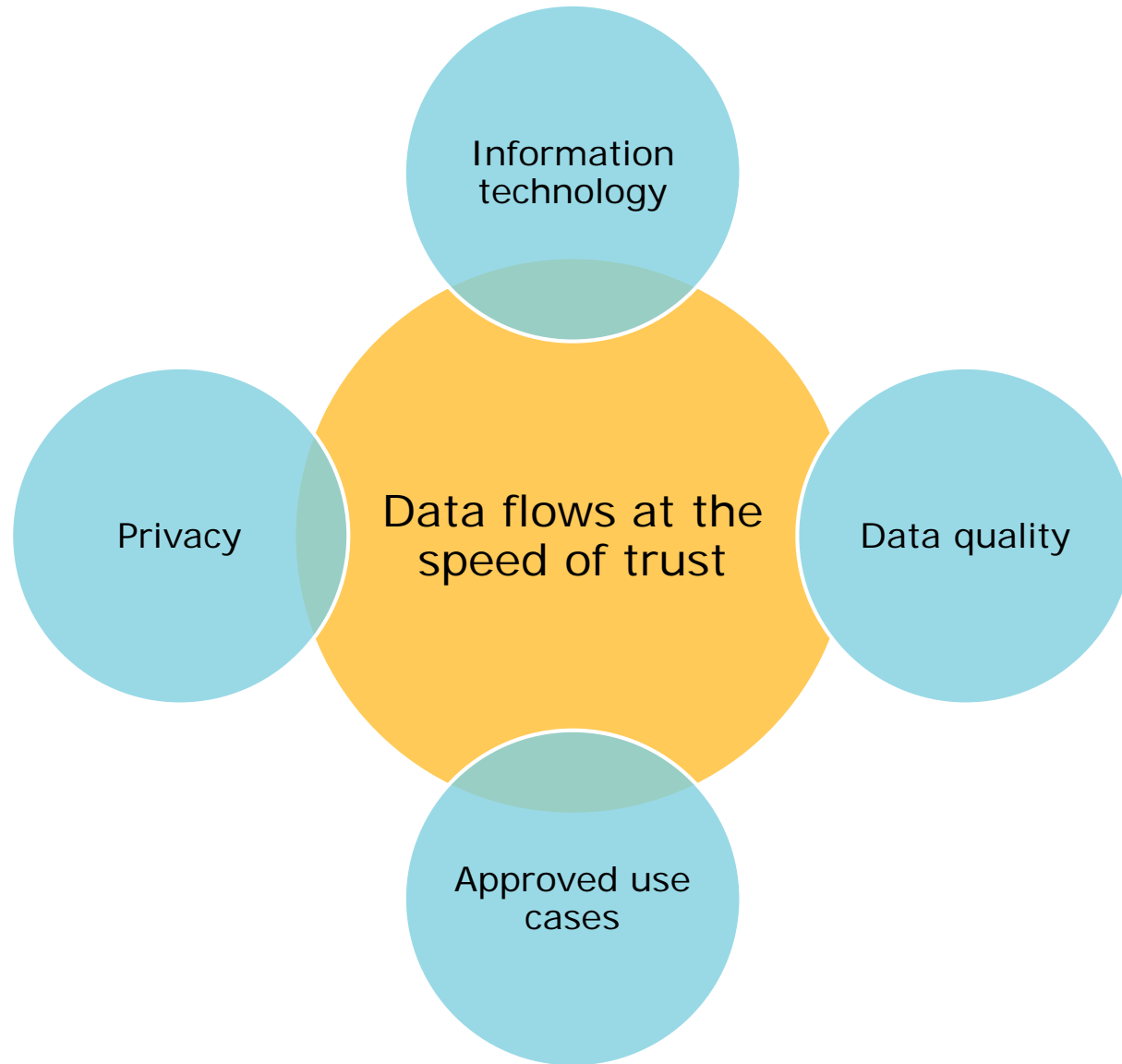- Coordinate services across delivery systems

Population health analysts struggle to:

- Access information about the whole community
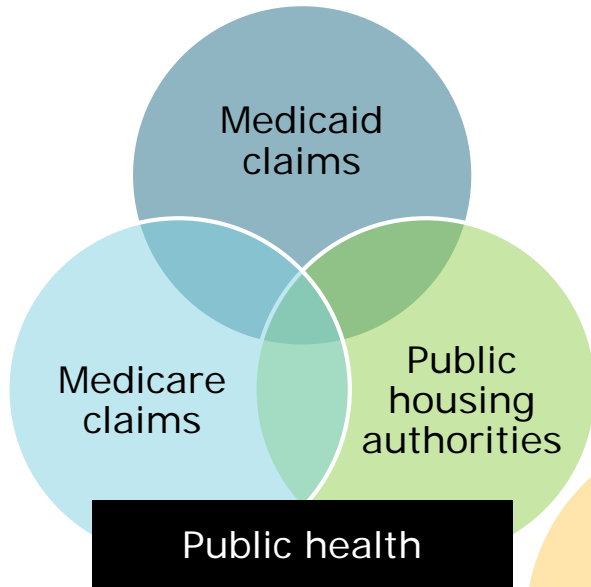- Measure progress towards elimination of health and social disparities

Image credit: Can Stock Photo

Cross-sector data sharing is both an art and a science

Cross-sector data sharing in King County

**Health & housing partnership**

- Medicaid claims
- Medicare claims
- Public housing authorities
- Public health

Jail-based continuity of care program evaluation

- Medicaid claims
- Jail electronic health record
- Jail booking
- Behavioral health data
- Public health
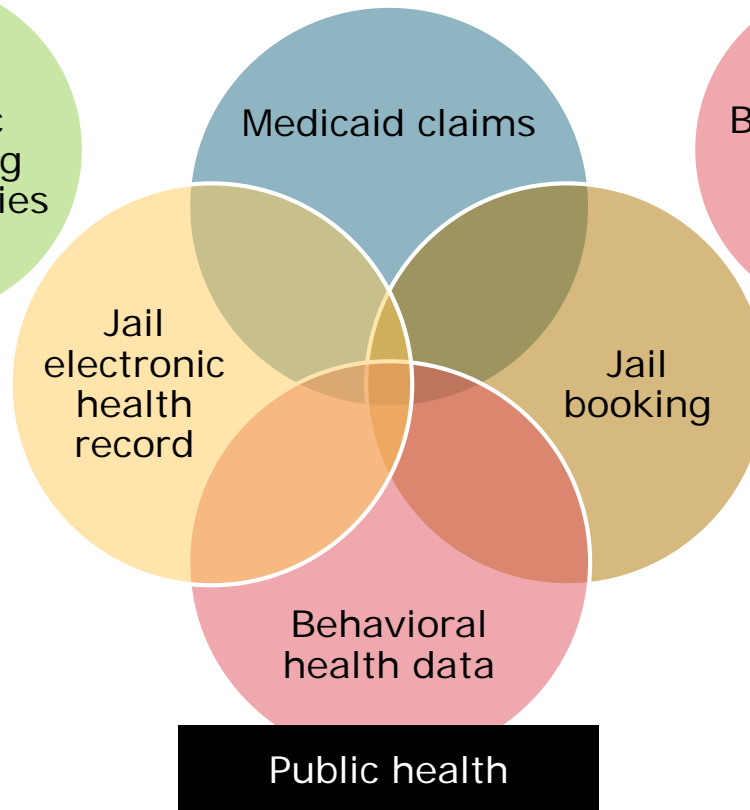
Accountable Community of Health

- Medicaid claims
- Behavioral health data
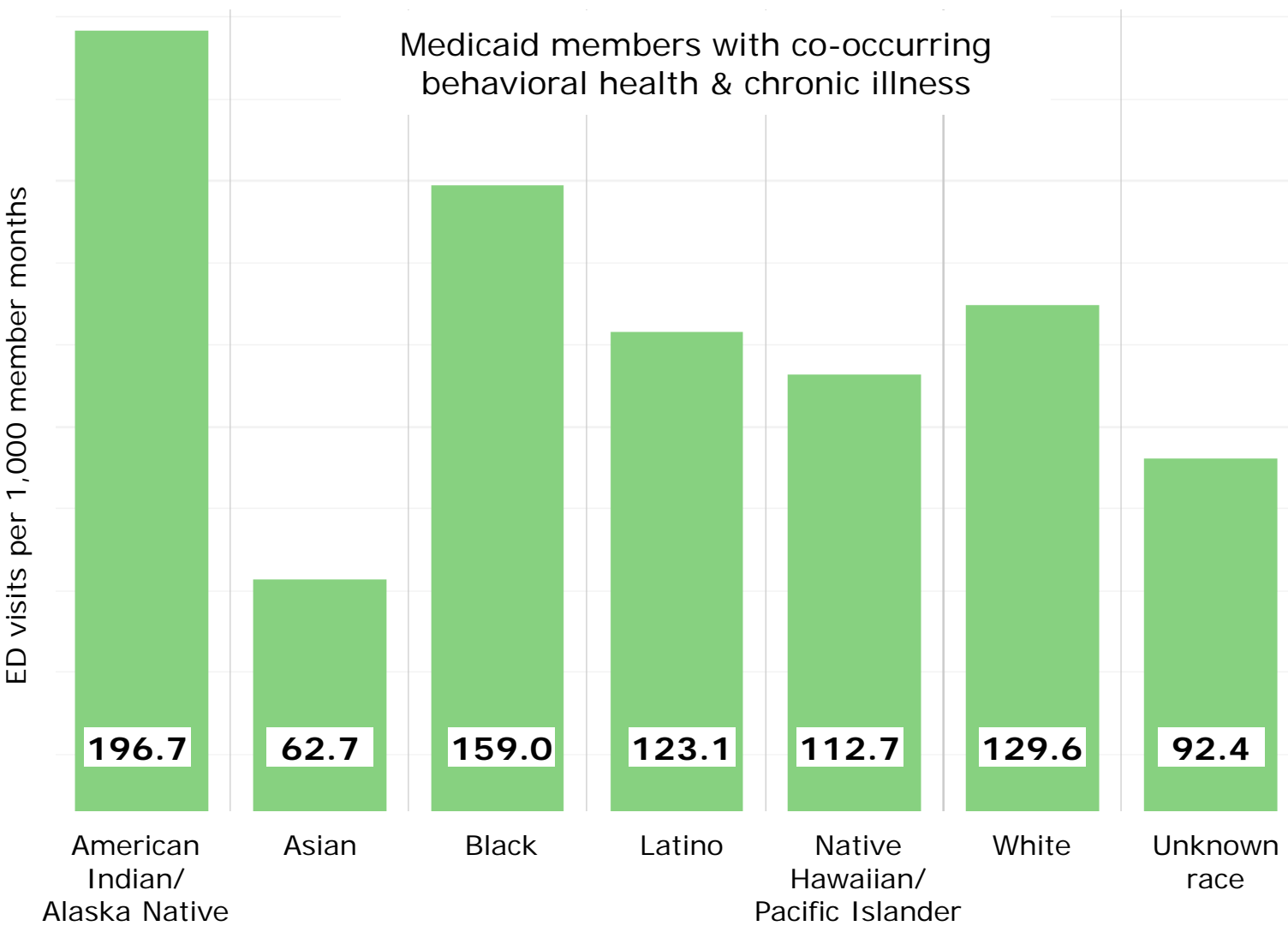- 2-1-1 calls
- Public health
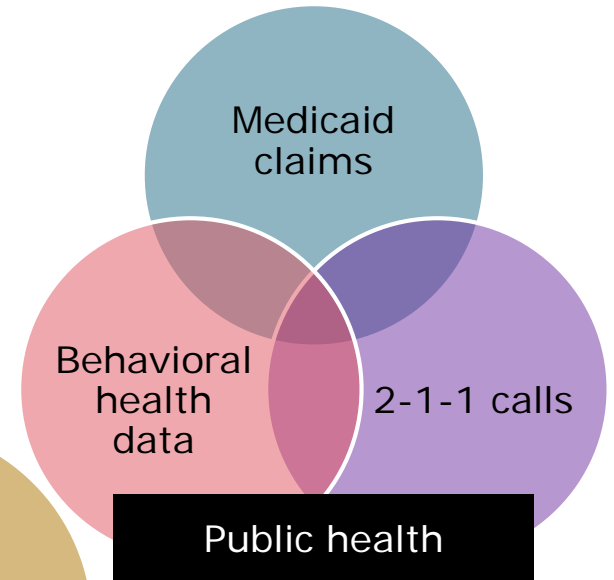
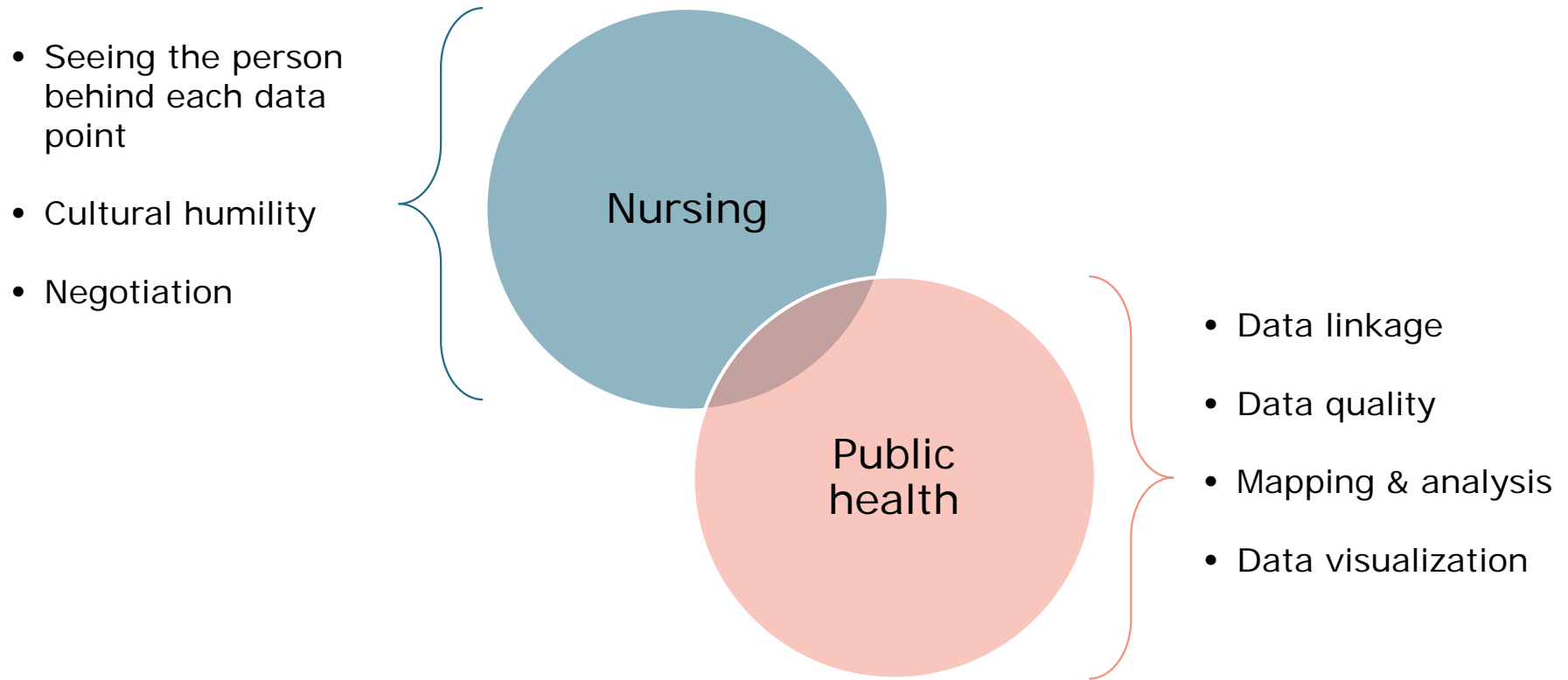# Relationship between health status and emergency department use
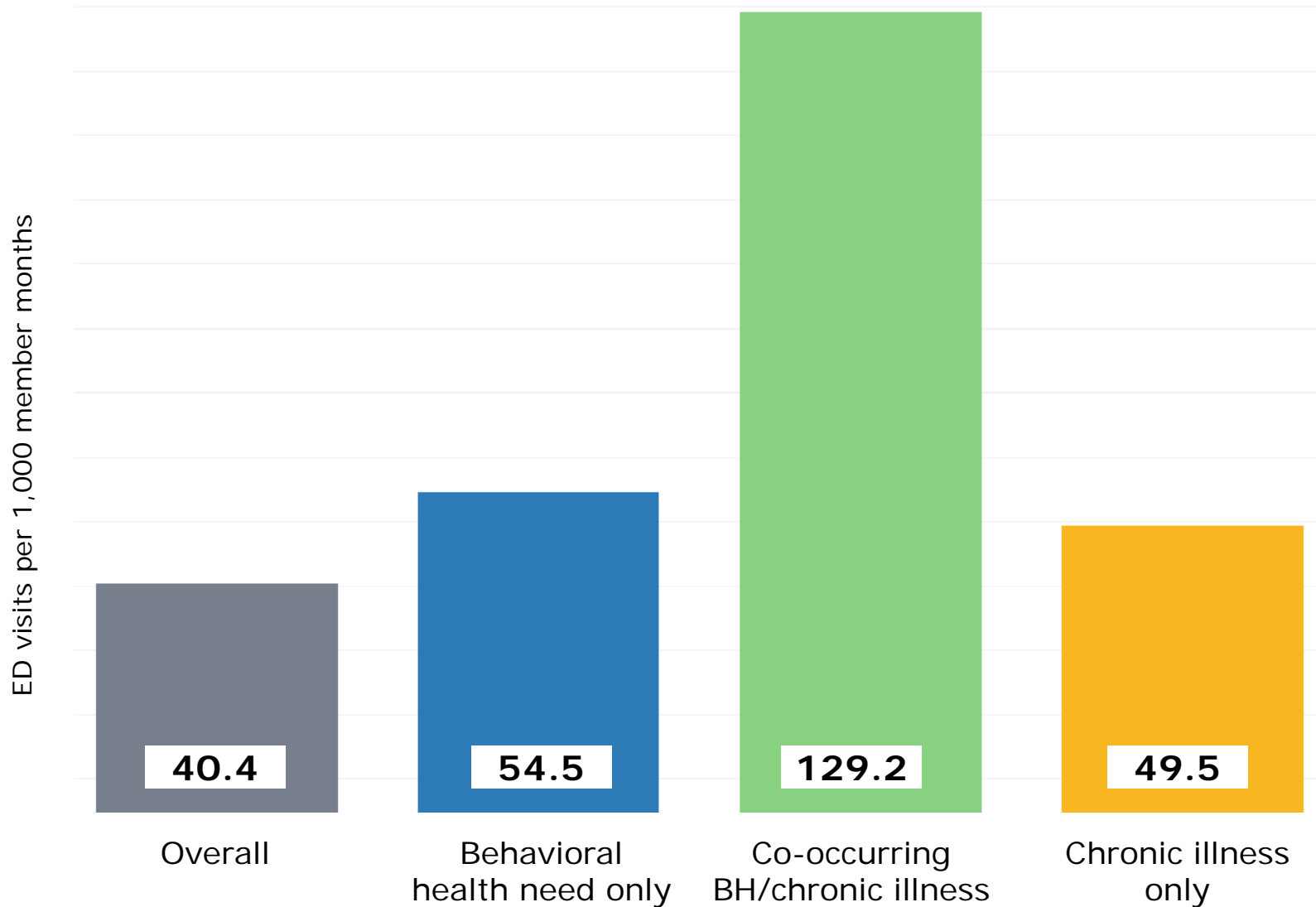
Source: Medicaid claims data, WA Health Care Authority (HCA). This data product has not been reviewed or approved by HCA. Data shown are for King County Medicaid members for services received in 2017. Behavioral health includes mental illness and substance use disorder. Chronic illness includes asthma, chronic obstructive pulmonary disease, diabetes, chronic kidney disease, heart failure, hypertension and ischemic heart disease.

Health status-related disparities widen when considering race

Medicaid members with co-occurring behavioral health & chronic illness

ED visits per 1,000 member months

Race	ED visits per 1,000 member months
American Indian/Alaska Native	196.7
Asian	62.7
Black	159.0
Latino	123.1
Native Hawaiian/Pacific Islander	112.7
White	129.6
Unknown race	92.4

Source: Medicaid claims data, WA Health Care Authority (HCA). This data product has not been reviewed or approved by HCA. Data shown are for King County Medicaid members for services received in 2017. Behavioral health includes mental illness and substance use disorder. Chronic illness includes asthma, chronic obstructive pulmonary disease, diabetes, chronic kidney disease, heart failure, hypertension and ischemic heart disease.

Building trust: Drawing from nursing and public health practice

- Seeing the person behind each data point

- Cultural humility

- Negotiation

Nursing

Public health

- Data linkage

- Data quality

- Mapping & analysis

- Data visualization

Nurses as cross-sector data sharing champions

Key message

As expert negotiators with a practice grounded in person-centered care and cultural humility, nurses can serve as effective cross-sector data sharing champions

How do we support more nurses to fulfill this role?

1 Financial support for nurses to attend public health educational programs

2 Academic partnerships between nursing schools and public health systems

3 Recruitment of nurses to lead cross-sector partnerships, with a focus on partnerships with social service and public health systems

For more information...

Eli Kern MPH RN | Epidemiologist
Assessment, Policy Development & Evaluation
Public Health - Seattle and King County
Phone: 206.263.8727 | Email: eli.kern@kingcounty.gov

Explore HealthierHere data: https://www.healthierhere.org/our-impact/