

Curry School of Education and Human Development: Commonwealth Engagement

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September 13, 2018



CURRY SCHOOL *of* EDUCATION
and HUMAN DEVELOPMENT

Commonwealth Initiative on K-12 Computing Education

- Computing skills and digital literacy are foundational elements of success in contemporary society
- Such skills need to be a focus of pre-K–12 education
- New Virginia K-12 Standards of Learning require all students to receive training in computer science
- Current efforts are incomplete, lacking resources (curriculum, teacher supports) and expertise
- The UVA Commonwealth Initiative on K-12 Computing Education designed to address these gaps

Gaps in the Present Infrastructure in K-12 Computer Science Education

- The mandate is broad and fairly general, leaves a lot up to local divisions
- Considerable unevenness in divisions capacity and implementation
- Lacking a set of recommended curricula, activities, and training for teachers to implement curricula effectively
- CodeVA is one example of an effort to address gaps – provides experiences for students and training for teachers
- Critical need for a large-scale effort to reach across the Commonwealth and address gaps

UVA Commonwealth Initiative on K-12 Computing Education

A comprehensive and evidence-based clearinghouse and training resource for K-12 teachers and educators, providing state-wide opportunities for:

1. Ongoing teacher learning experiences and professional development in CS education
2. Development of targeted CS teacher education certificates and endorsement programs
3. Instructional resources, activities and curricula for inquiry- and design-based student learning experiences, stand-alone and integrated CS, in both formal and informal contexts, at pre-K–20 levels
4. Connections for Industry partnerships and collaborations for students and educators
5. CS education research and grant funding

UVA Commonwealth Initiative on K-12 Computing Education Outcomes

Five-year plan to develop, evaluate, and distribute resources in all school divisions, all grades statewide; outcomes include:

- Certificates for teachers in K-12 computer science education available across the Commonwealth through higher education partnerships
- Competency assessments and credentials in computer science for students
- Open source, curated library of effective instructional resources for K-12 students
- Best practices network of K-12 educators
- Ongoing implementation, evaluation, and quality control across the Commonwealth

Resources

- Five year plan for development, implementation, quality assurance: \$2,500,000
- Includes support for:
 - Program director
 - Staff support for outreach and resource development
 - Design group
 - Platform development, evaluation, distribution
 - Educator stipends
- \$500K annual investment beginning in FY 19 – 20 through FY 23 - 24
- Current year (18-19) pilot activities funded with Curry seed support and NSF grant funds
- Other resources provided through Federal and sponsored mechanisms; approximately \$1 million/year

UVA Commonwealth Initiative on K-12 Computing Education

- A critically important element of the Commonwealth's strategy for economic and social development
- Current lack of resources and focus likely to lead to weak and highly unequal results
- Addresses key gaps in curricula, educator training, certification and credentialing, partnerships
- Open source, publicly available, networked in partnerships to sustain long-term



COMMUNITY HEALTH AND WELL-BEING

AMY SALERNO, MD, MHS
Director of Community Health and Well-Being

ELIZABETH BEASLEY, MPH
Director of Community Relations

UVA Board of Visitors
Ad Hoc Committee on Commonwealth
Engagement

September 13, 2018

MRS. R



VISION

To work in partnership with those in our local community on improving health and well-being, cultivating the ability of all people living in Virginia's Planning District 10 (Charlottesville city and Albemarle, Fluvanna, Greene, Louisa and Nelson counties) to thrive.

COMMUNITY & WELL-BEING



COMMUNITY: A group of people with diverse characteristics who are linked by social ties, share common perspectives, and engage in joint action in geographical locations or settings

WELL-BEING: Having financial security, safety, housing, food, mental health, nourishing relationships, and being able to do what matters to them

MAPP2HEALTH



Community Health UVA Partnership

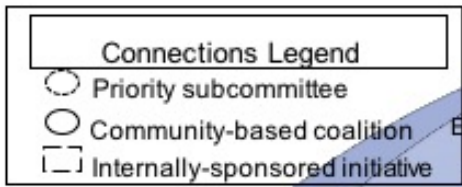
Steering Committee

Subcommittee:
Healthy Eating &
Acting Living

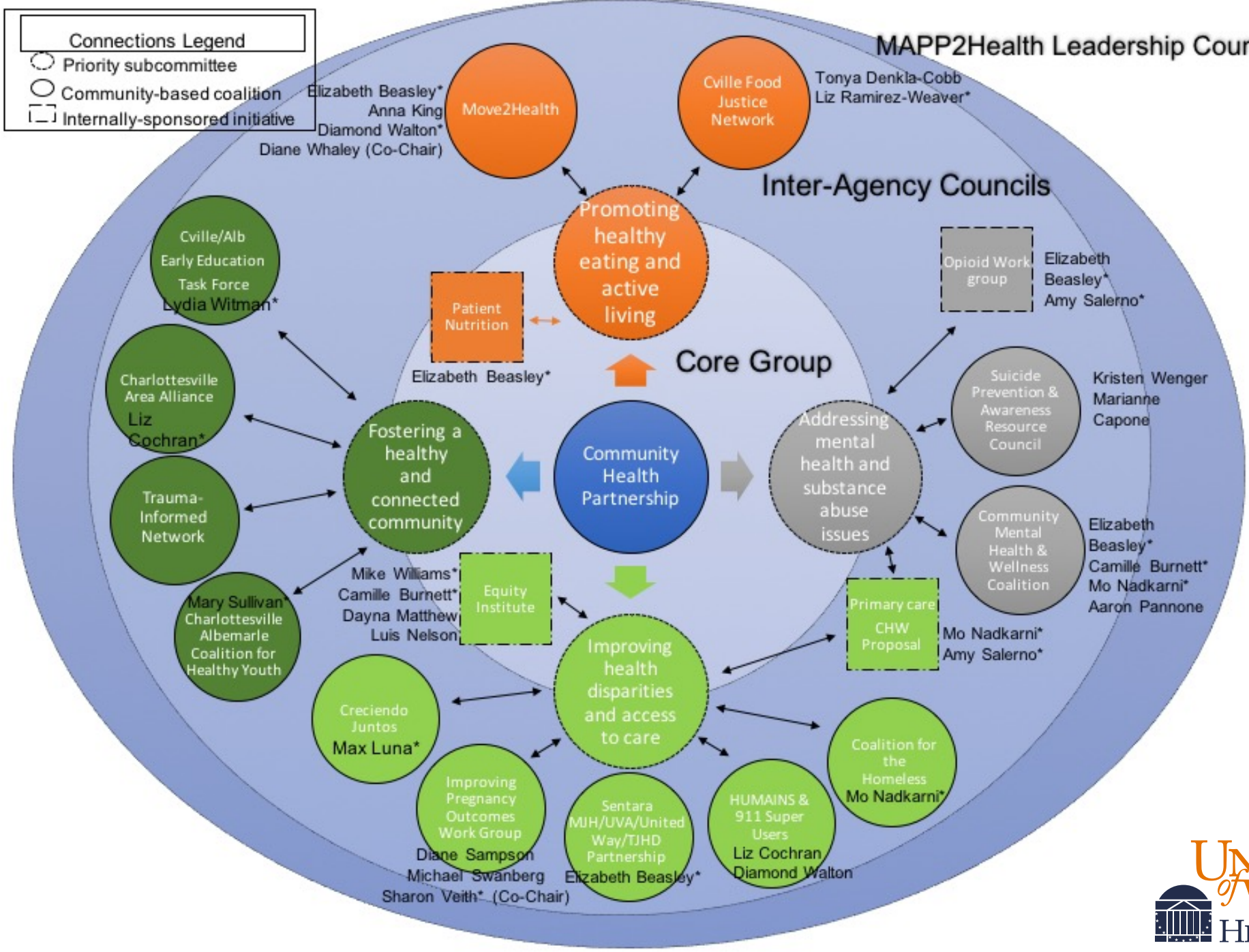
Subcommittee:
Mental health and
substance use issues

Subcommittee:
Health disparities and
access to care

Subcommittee:
Healthy and
connected community



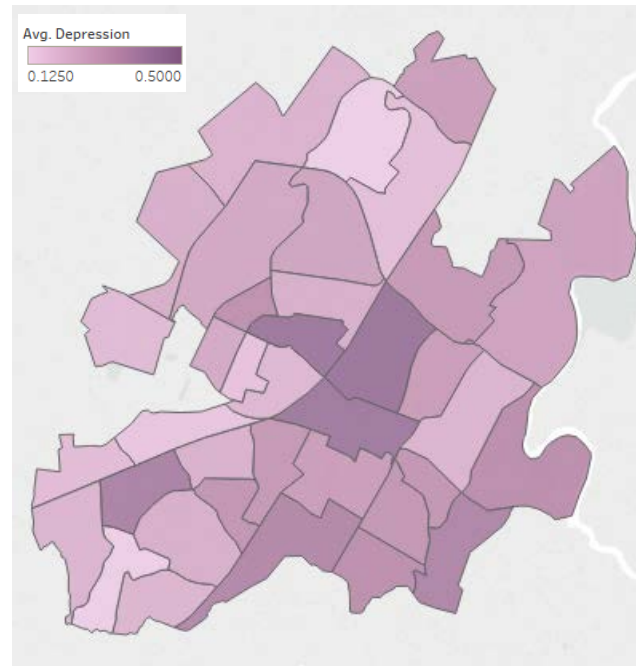
MAPP2Health Leadership Council



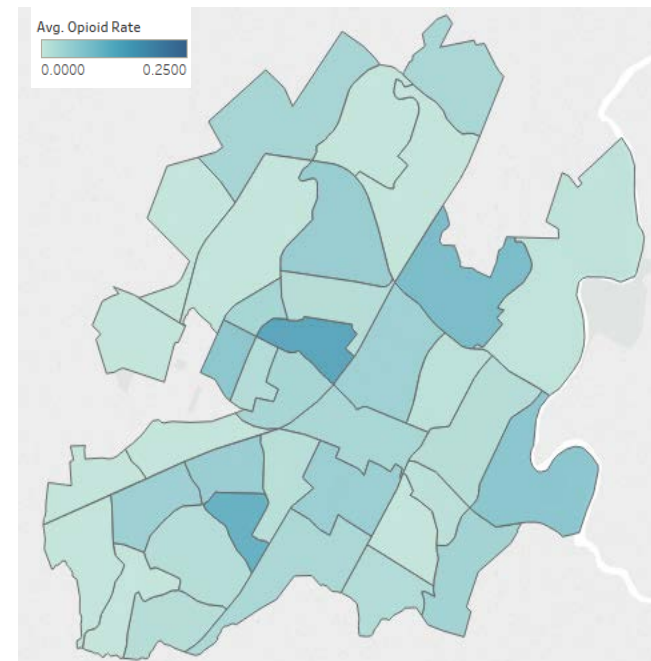
IDENTIFYING OPPORTUNITIES

CHARLOTTESVILLE CITY

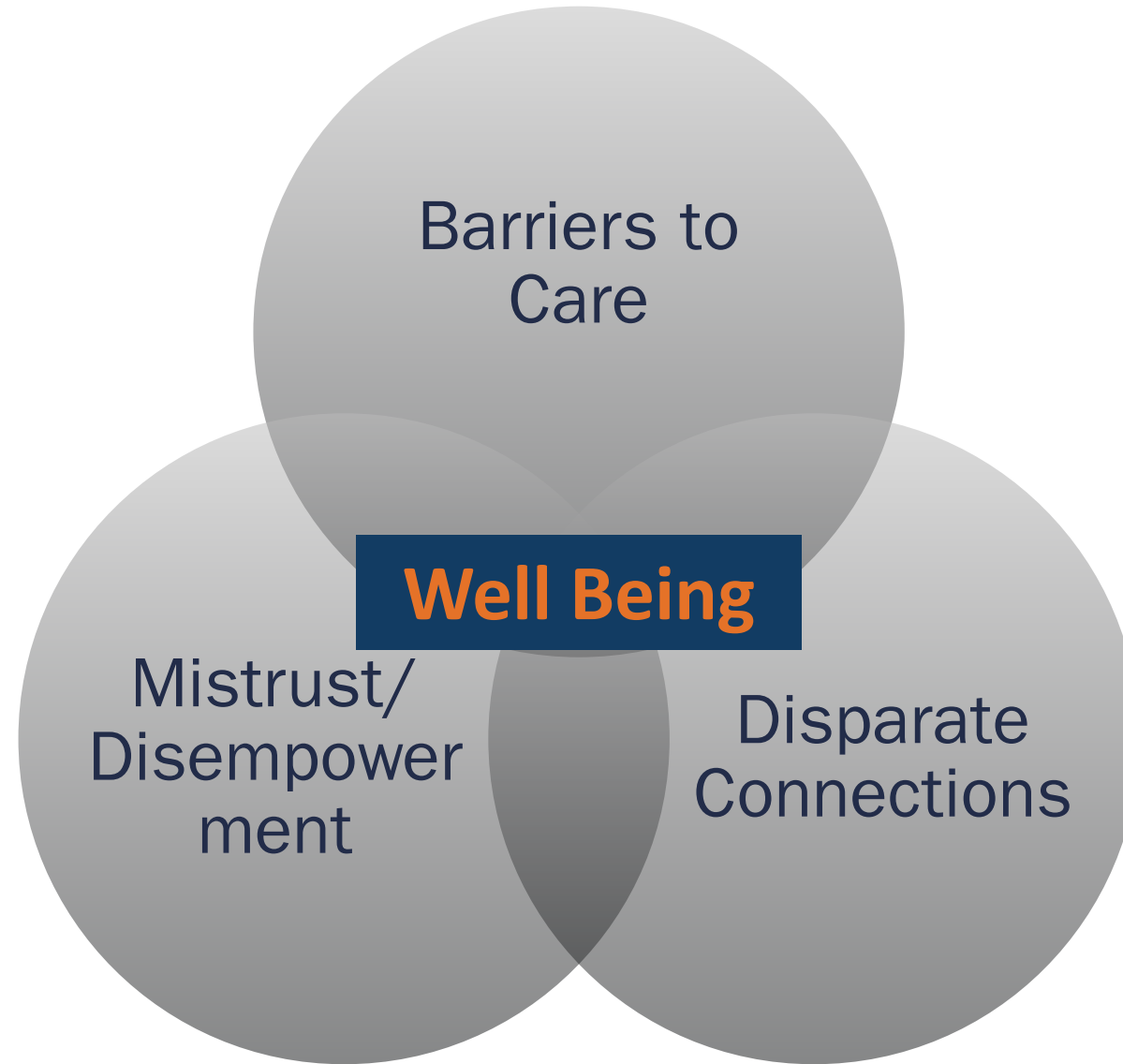
Depression Rates

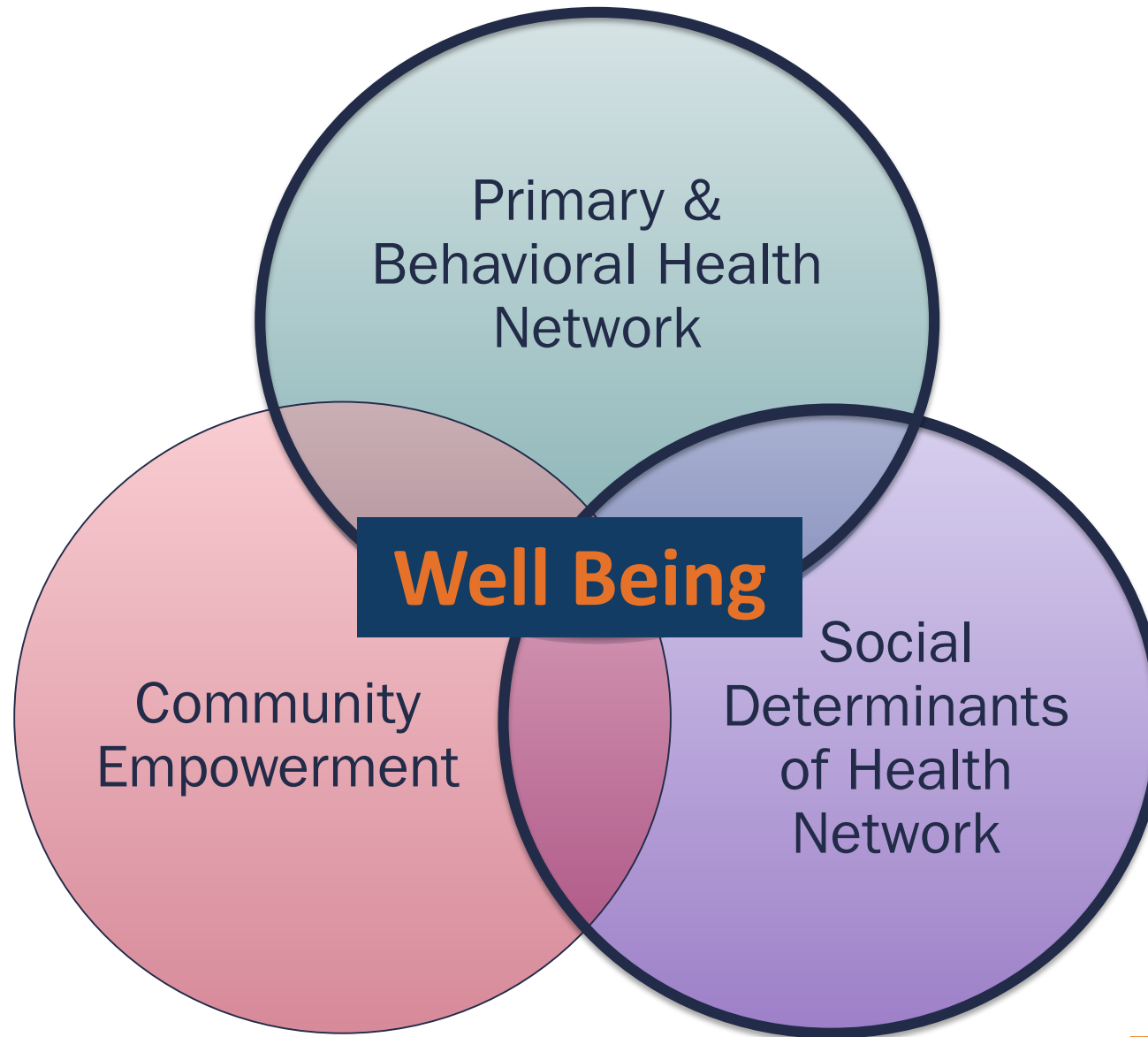


Chronic Opioid Prescription Rates

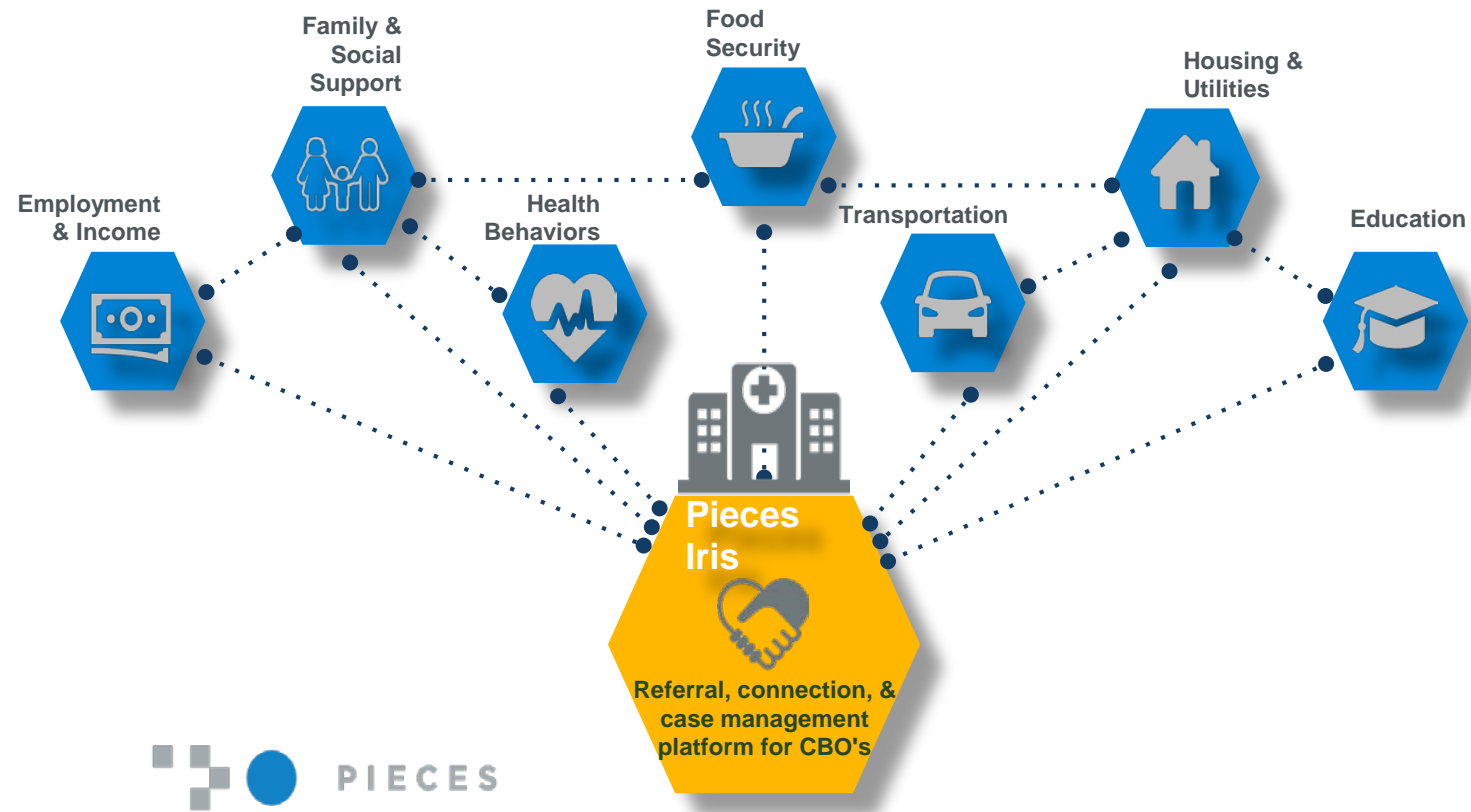


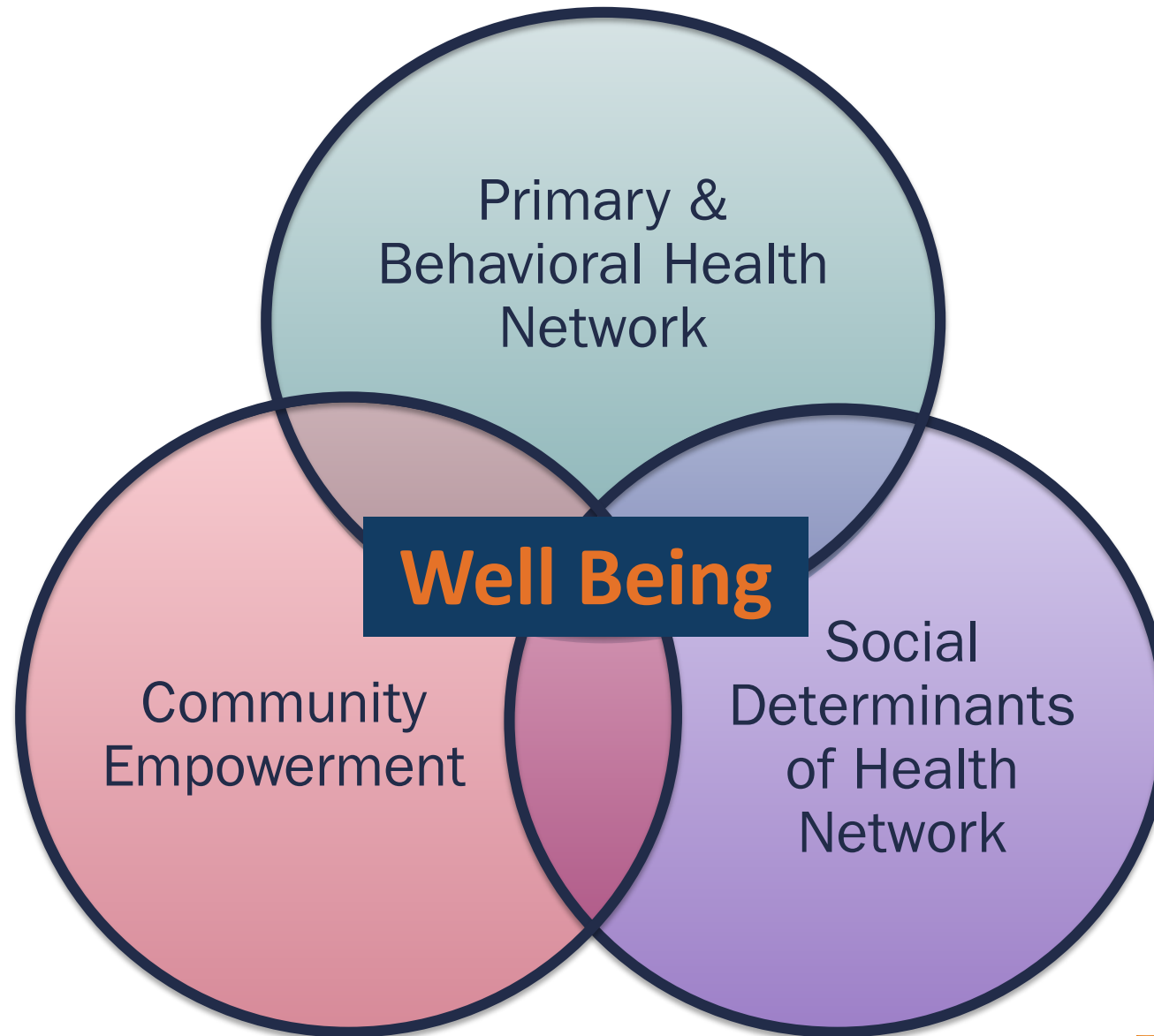
Mental Health & Substance Use





ENHANCING CONNECTIONS BETWEEN UVA & COMMUNITY ORGANIZATIONS





SUSTAINABILITY



ACKNOWLEDGEMENTS

Albemarle Department of Social Services
Albemarle Fire Department
Alzheimer's Association
Blue Ridge Area Food Bank
Brooks Family YMCA
Central Virginia Health Services, Inc.
Charlottesville Free Clinic
Charlottesville Fire Department
Community Health UVA Partnership
Community Mental Health & Wellness Coalition
Fountain Fund
Greene Care Clinic
Loaves and Fishes Food Pantry
Local Food Hub
Network2Work, Piedmont Virginia Community College
Partner for Mental Health
Piedmont CASA
ReadyKids
Region Ten Community Services Board
Tech Dynamism
The Center (previously the Senior Center)
The Haven
Thomas Jefferson Health District
United Way
UVA Latino Health Initiative
Virginia Department of Health
UVA Data Science