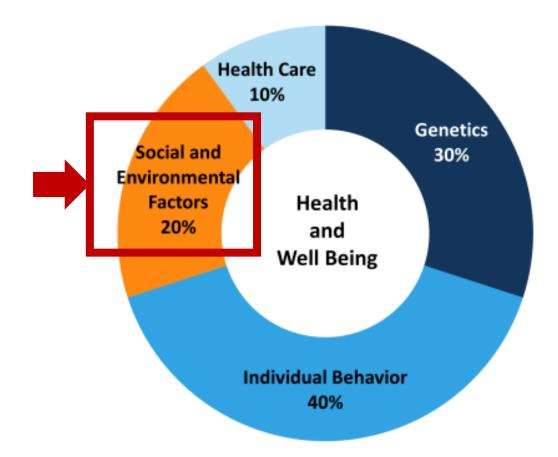
Housing and Health in the Williamsburg Region



INFORM | CONNECT | UNLOCK

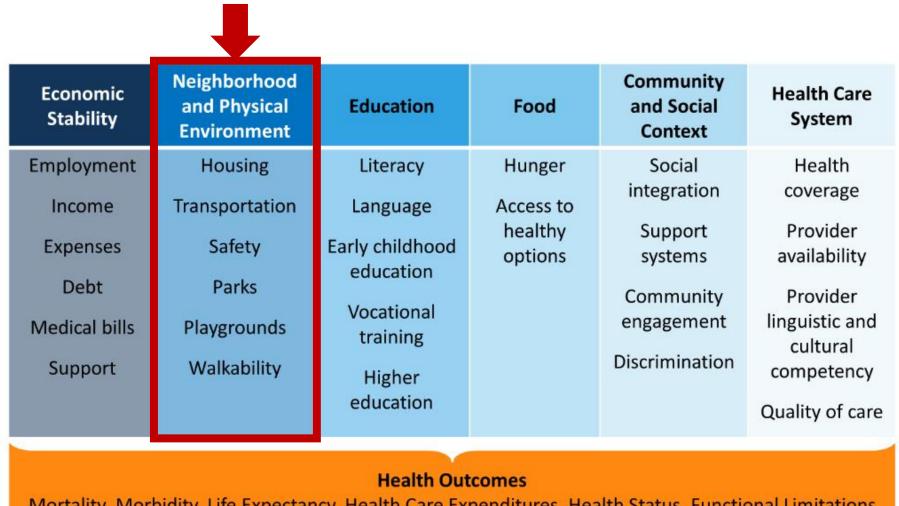
www.housingvirginia.org

Contributors to health and well-being



Schroeder, SA (2007). We Can Do Better - Improving the Health of the American People. NEJM. 357:1221-8.

Social Determinants of Health



Mortality, Morbidity, Life Expectancy, Health Care Expenditures, Health Status, Functional Limitations

How do housing and health connect?



Adapted from Robert Wood Johnson Foundation: "Exploring the Social Determinants of Health" (2011)





HOME SAFETY

- Home accidents are responsible for 18,000 deaths and 12 million injuries per year (Runyan et al. 2005)
- House fire injuries most common in low income neighborhoods with older homes (Shai 2006)

RESIDENT HEALTH

- Children in older homes are at risk for lead poisoning from paint and plumbing
- Water leaks and poor home ventilation contribute to mold and other indoor allergens
- Residential exposures account for 40% of asthma cases in children (Lamphear, Kahn, Berger, et al. 2001)





NEIGHBORHOOD DESIGN

- High-density, walkable communities promote physical activity and reduce obesity (Frank 2004)
- "Mixed-use" neighborhoods reduce dependency on automobiles
- Low-income neighborhoods often have reduced access to grocery stores and healthy food options (Shaffer 2002)

ENVIRONMENTAL CONDITIONS

- Hazardous waste sites disproportionately affect low-income, minority communities (Chavis, Goldman, and Lee 1987)
- Exposure to air pollution and harmful contaminants increases with proximity to highways and industrial sites (California Air Resources Board, 2005)





HOUSING COST BURDEN

- Residents struggling with housing costs rate their health poorer, suffer from hypertension, and delay necessary health treatments (Pollack et al. 2010)
- Housing subsidies are proven to increase access to healthy food for children in low-income families (March et al. 2009)

HOUSING INSTABILITY

- Frequent moving and evictions result in elevated stress levels, depression, and hopelessness (Burgard, Seefeldt, and Zelner 2012)
- Persons without permanent housing often face additional physical and mental health challenges, and are frequent users of social support networks (Corporation for Supportive Housing 2014)

Housing and Health Community Profile

YORK COUNTY

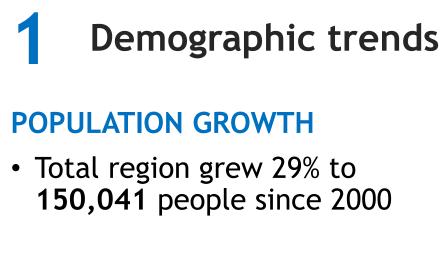
JAMES CITY COUNTY

> NWS YORKTOWN

CAMP PEARY

WILLIAMS BURG

Williamsburg Health Foundation Service Area

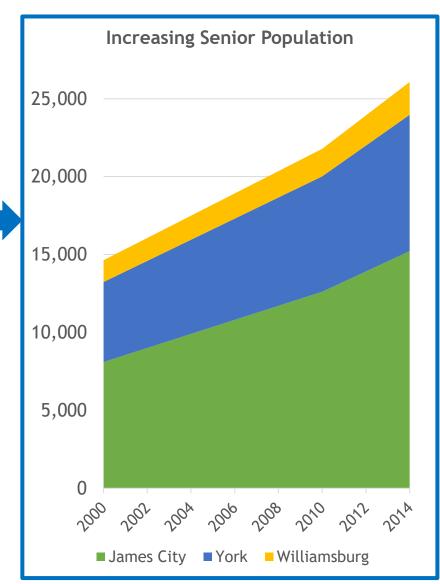


BABY BOOMERS "GREYING"

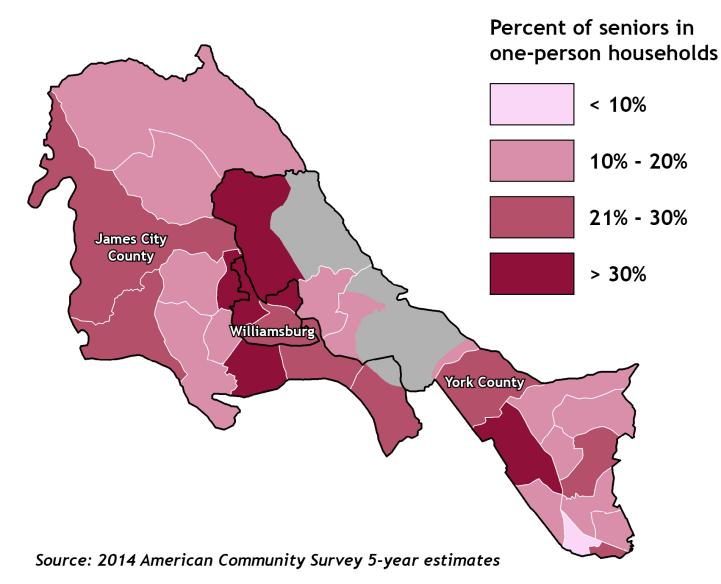
- 17% of population over 65 (26,000 seniors)
- Up from **12%** in 2000

ELDERLY RESIDENTS LIVING ALONE

- One in five seniors live alone
- 58% are over the age of 75



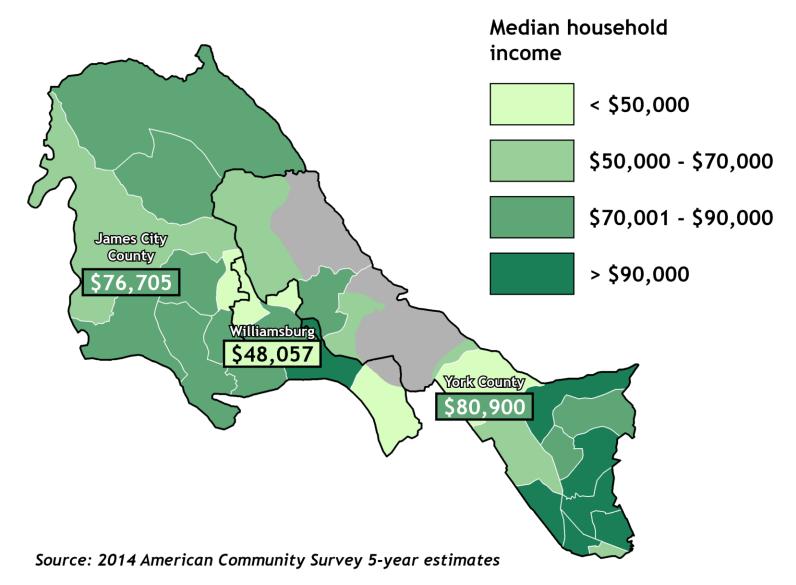
Senior Population Living Alone



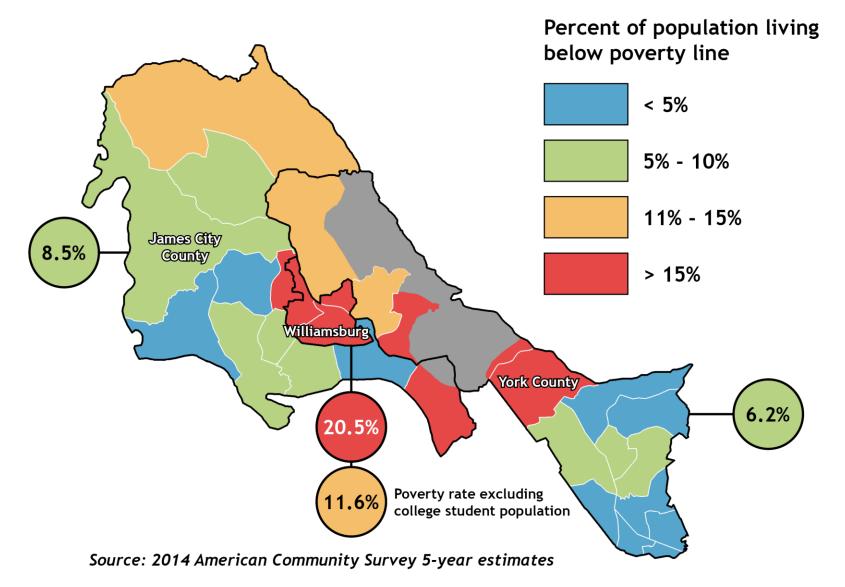
7 Socioeconomic trends POPULATION IN POVERTY • 8.3% poverty rate Poverty threshold for family of 4: \$24,250 LOW-INCOME HOUSEHOLDS One in five households earn less than \$35,000 **EMPLOYMENT +** COMMUTING PATTERNS Transition to part-time, lower-wage jobs 3.7% of workers walk or use public transit to commute



Household Income



Poverty Rate





HOUSING TENURE

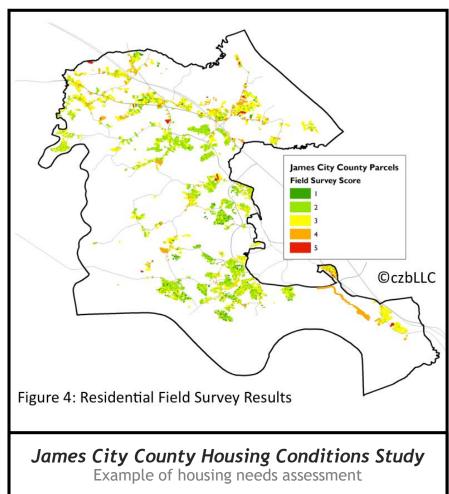
• 72% homeownership rate

TYPE + AGE OF STOCK

- 64% single-family detached
- Over **17,700** units built before **1980** (28%)

HOUSING BY AGE GROUP

 83% of seniors live in single-family detached homes





AFFORDABILITY

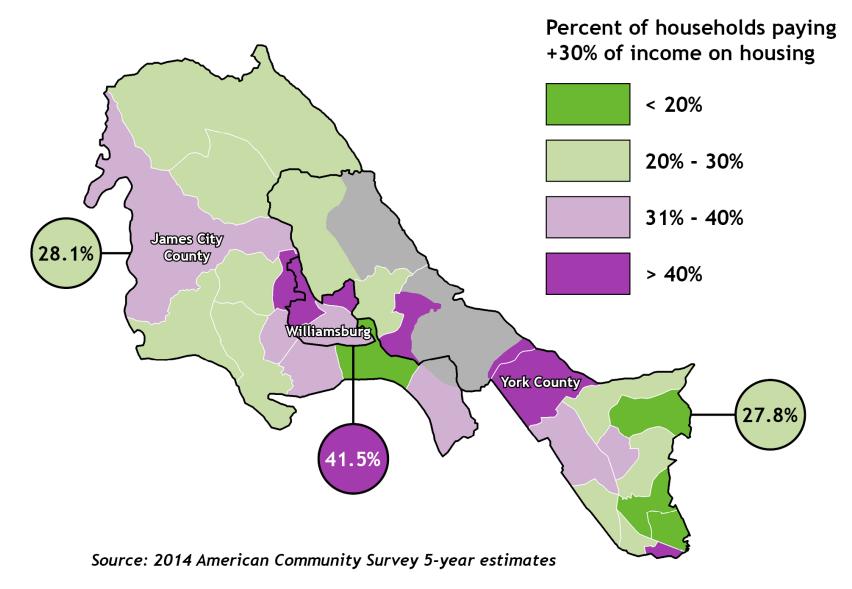
- Over 16,400 cost-burdened* households (30% of total)
- 56% of senior renters are cost-burdened

VACANCY

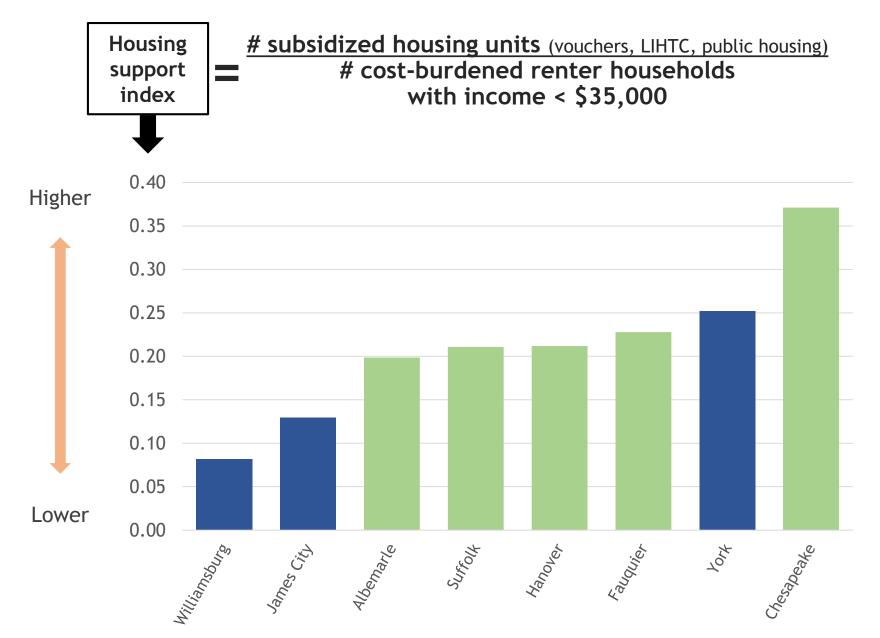
- 5.5% market vacancy rate
- 1,400 "other" vacant housing units
- * Households that pay <u>more than 30%</u> <u>of their gross income</u> on housing are cost-burdened

Percent of Households Cost-Burdened (By Household Income) 60% 50% 40% 30% 20% 10% 0% Below \$75,000 Above \$75,000 ■ James City ■ York ■ Williamsburg

Housing Cost Burden



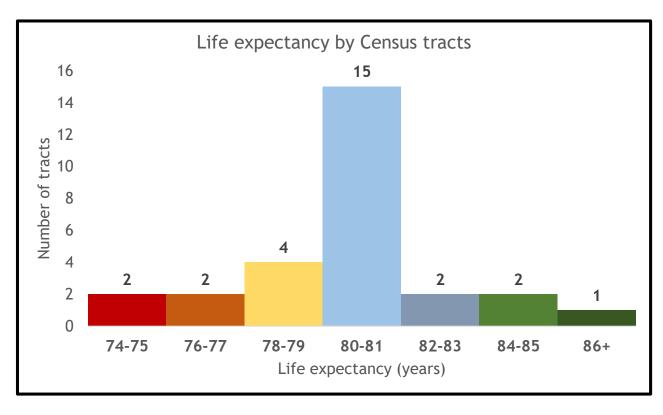
Measuring housing support and demand



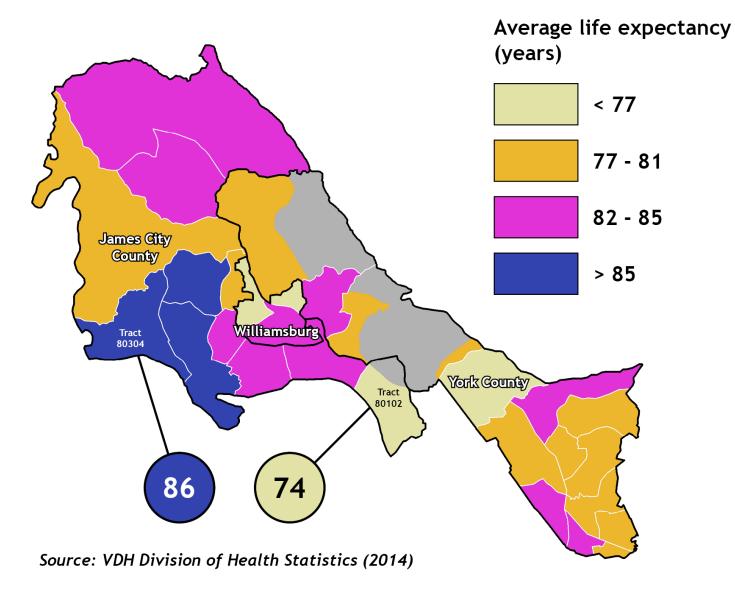


LIFE EXPECTANCY

- Avg. life expectancy: 80.6 years
- Ranges from 74 to 86 by Census tract



Life Expectancy



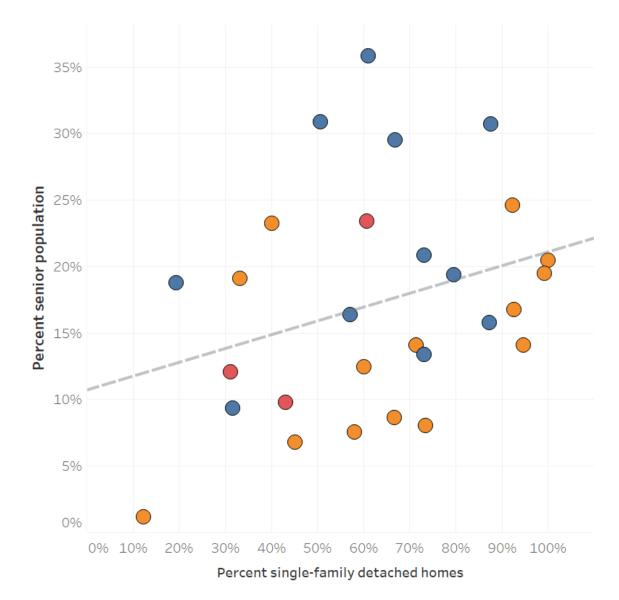
Housing and Health **Action Areas**

Physical condition of home

IMPROVING HOME SAFETY AND ACCESSIBILITY

- About **450** homes in the region use wood heating fuel, increasing home fire risks
- Over half of the Williamsburg region's housing stock consists of single-family homes
- Over a quarter are more than 30 years old
- These old, single-family homes were rarely designed to accommodate aging seniors and persons with ambulatory difficulties

Senior population vs. Single-family detached homes



Seniors are **19%** more likely to live in single-family detached homes than average.

Aging-in-place in these homes often requires additional accessibility upgrades.

One dot = Census tract

Williamsburg City James City County York County

2 Quality of community

EQUITABLE ACCESS TO RETAIL AND SERVICES

• Over **9,700** residents live in low-income, low-access Census tracts ("Food Deserts") (USDA Food Access Research Atlas, 2016)

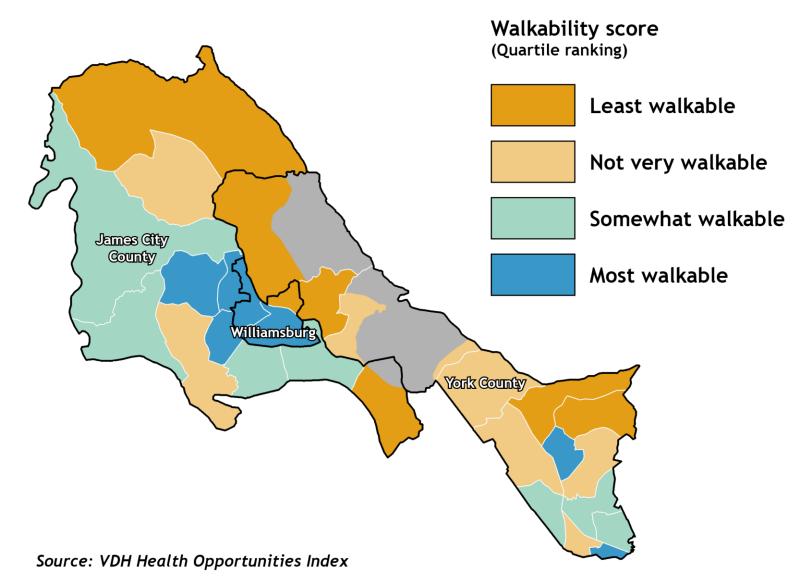
SAFE SPACES FOR PHYSICAL ACTIVITY

• Children, adults, and seniors all need safe and easily accessible places to exercise and recreate

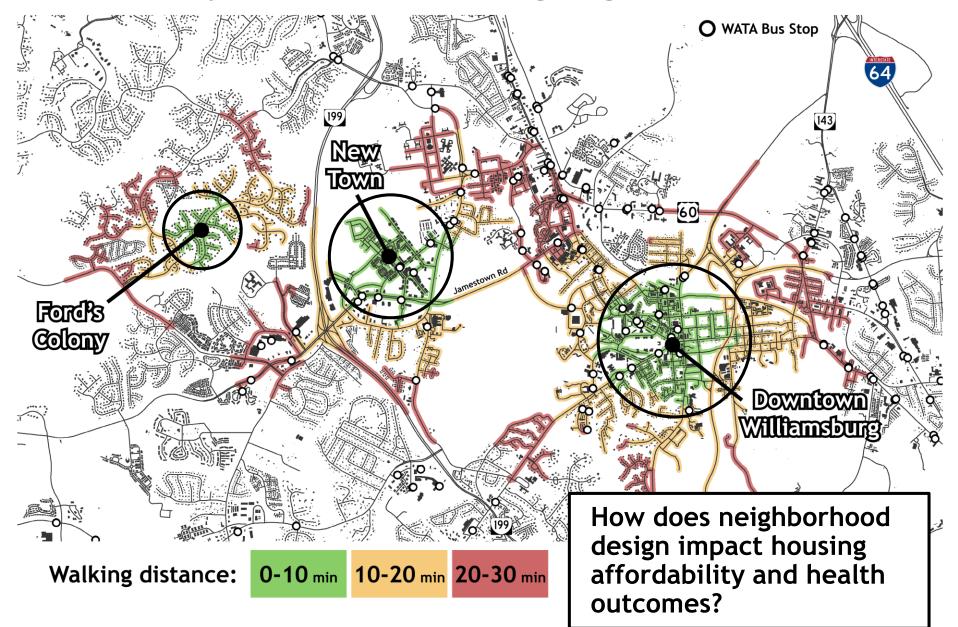
CONNECTIVITY + WALKABILITY

• While some neighborhoods are walkable, many households cannot complete regular daily trips without using a car

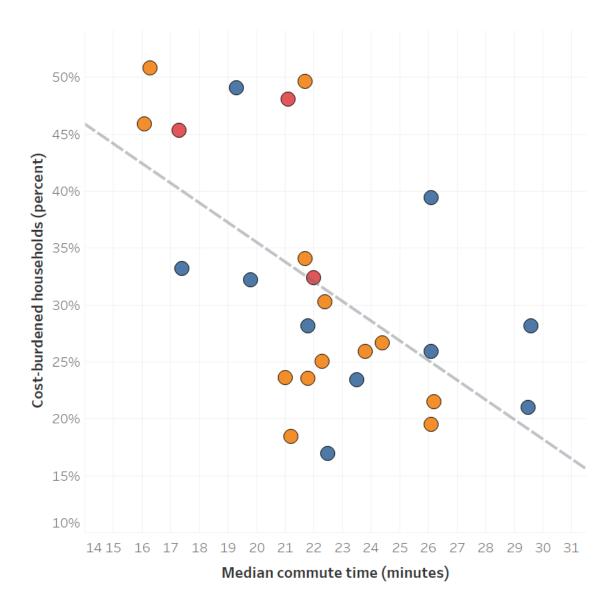
Walkable Neighborhoods



Walkability in the Williamsburg Region



Housing cost burden vs. Commute time



Affordable housing is less likely to be located near areas with lots of jobs.

Many workers are forced to commute longer distances to find housing their families can afford.

Williamsburg City James City County York County

One dot = Census tract



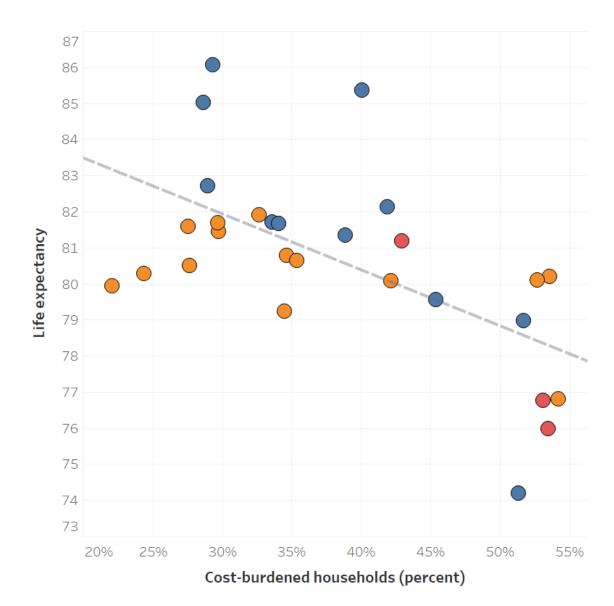
IMPACT OF COST BURDEN

- 6,440 households pay <u>over half</u> of their income on housing, leaving few funds for healthcare and healthy food options
- Over 11,250 adults could not see doctor due to cost (Virginia Atlas of Community Health, 2013)

AFFORDABLE HOUSING DISTRIBUTION

• Most affordable units are in car-dependent areas with low access to healthcare

Life expectancy vs. Housing cost burden



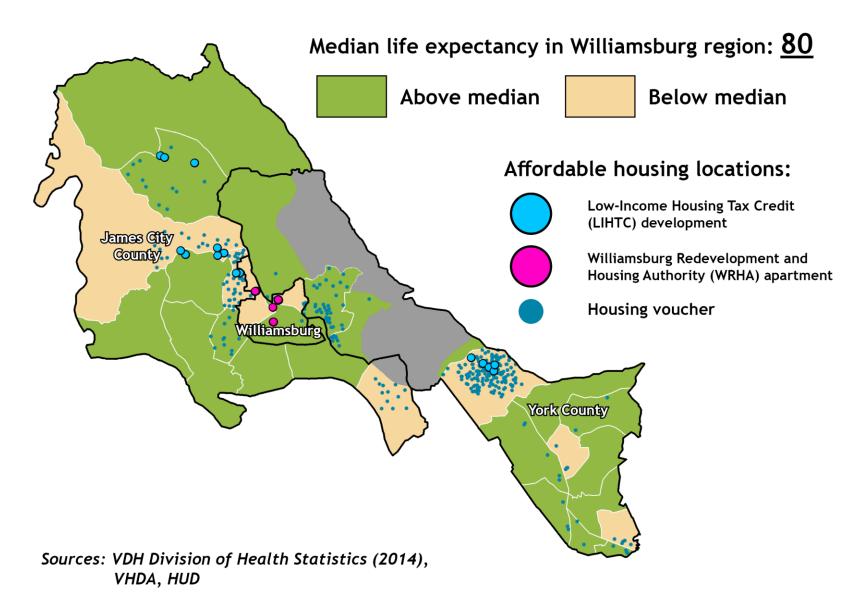
Communities where many households pay 30% or more of their income on housing experience lower life expectancy.

The life expectancy for the poorest 5% of Americans has not increased significantly since 2001. (Chetty et al., 2016)

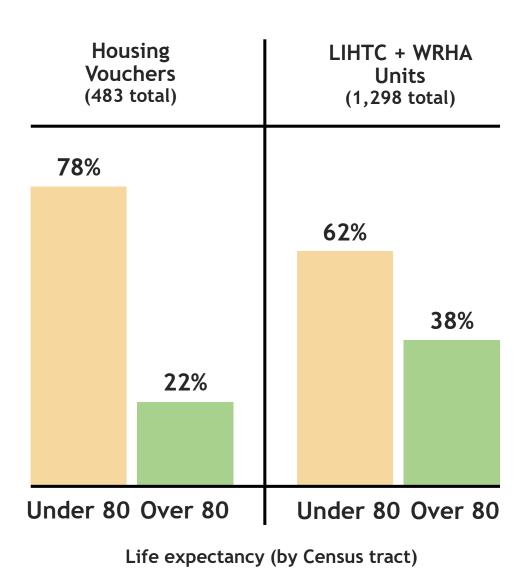
One dot = Census tract

Williamsburg City James City County York County

Affordable Housing / Life Expectancy

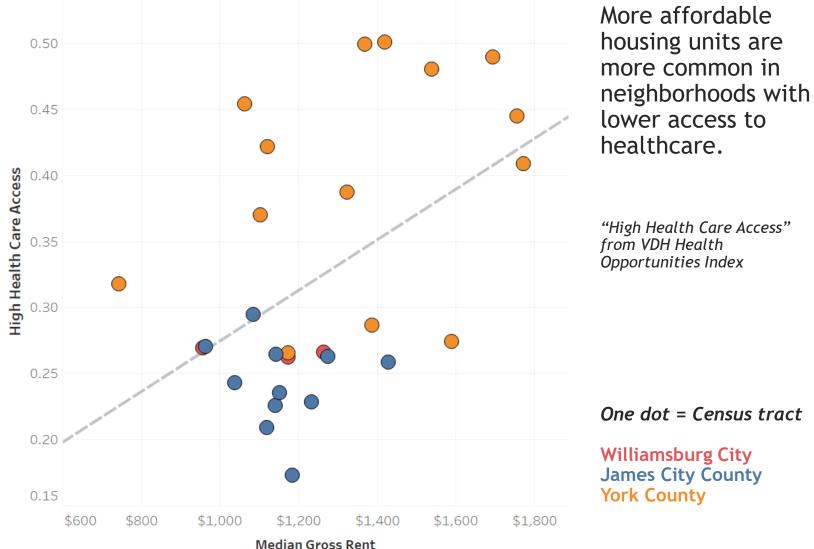


Affordable housing in healthy communities?



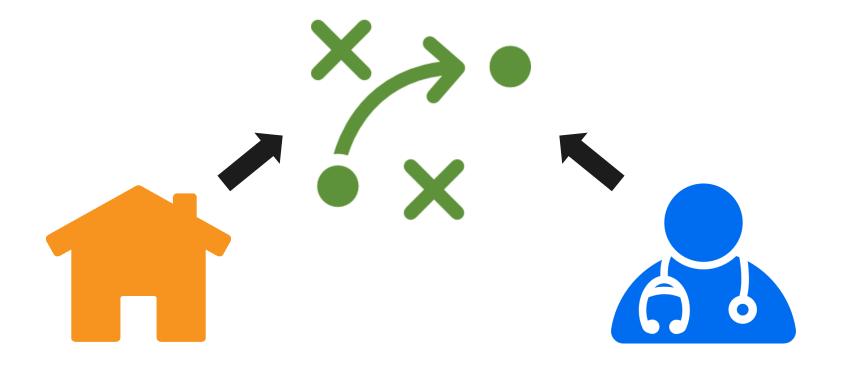
The majority of affordable rental housing units in the greater Williamsburg area are in neighborhoods with life expectancies **below** the regional median.

Health care access vs. Median rent



viedian Gross Rent

Strategies to Improve Housing and Health





Healthy homes Programs are placed in the matrix as examples. Accurate placement requires analysis of local circumstances.

	Low Impact	High Impact
High Cost		*Lead abatement *Pediatric asthma intervention *In-home services *Accessibility improvements *Weatherization
Low Cost	*Landlord-tenant enforcement *Home safety assessments *Community education	Image: Albemarke Housing Improvement Program campaign" *Code enforcement *Noise mitigation *Smoke-free housing *Lead testing *Promote stair use Green and Healthy Homes Initiative

2 Healthy communities Programs are placed in the matrix as examples. Accurate placement requires analysis of local circumstances.



	Low Impact	High Impact
High Cost		*Accessory dwelling units *Retrofitting neighborhoods *Public transit expansion *Sidewalks and greenways Senior "Village" Models
Low Cost	*Traffic calming *Safe routes to school *Walkability scores for home listings Health impact assessments	*Ride-sharing service *Improved access to recreation *Community design standards *Farmer's markets Home-Delivered Groceries Produce Pop-Ups



Affordable housing

Programs are placed in the matrix as examples. Accurate placement requires analysis of local circumstances.



	Low Impact	High Impact
High Cost		*Supportive housing *Solar retrofits *Housing trust fund *Inclusionary housing policy *Housing vouchers *FHLB housing program
Low Cost	*Property tax abatement *Mortgage assistance *Energy/fuel assistance *Affordable housing education	*HOME/CDBG funds for housing *Homelessness prevention *Weatherization