More than a century of research has found strong connections between income and health. As a group, people with higher incomes live longer and experience better mental and physical health outcomes. Understanding how income influences health can inform policies, programs and resource allocation to improve both the health and economic well-being of Ohioans.

This brief provides an overview of the relationship between income and health, describes the various factors that impact income and health and outlines relevant policy implications.

The relationship between income and health
Health is influenced by a number of modifiable factors, including a person’s social and economic environment, physical environment, health behaviors and clinical care. Income plays a critical role across each of these factors, for example, by influencing whether a person has access to high-quality education, nutritious food, safe housing and health insurance coverage. In addition, toxic and persistent stress experienced by people living with low incomes can negatively impact health.

Researchers have identified three primary ways in which income and health are connected:
1. Higher income contributes to better health
2. Better health supports higher income-earning potential
3. Other factors, including toxic stress, racism, education, housing and neighborhood conditions can influence both health and income

Income-related factors that influence health
The focus of this publication is the connection between income and health. Other factors closely related to income, including wealth, income inequality, debt and other indicators of economic self-sufficiency have also been shown to impact health. Below is a glossary of common income-related terms.

Assets: Anything that holds economic value (including cash, bank accounts, investments, property and other material items). Assets that can be quickly turned into cash are considered to be liquid. Non-liquid assets, such as a home or car, may take weeks or months to convert to cash.
Debt: Money owed by an individual or household to another entity or individual.
Economic self-sufficiency: The ability to meet basic needs such as housing, food, transportation and medical needs without subsidies or other assistance from government programs directed to people with low incomes.
Income: The total amount of money earned or received by an individual or household during a set time period. Income typically includes wages from employment and other sources such as interest and capital gains. Some methods for counting income also include payments from programs, including food assistance and social security.
Economic mobility: Ability for individuals and households to move up or down the economic ladder within a lifetime and across generations.
Income inequality: A measure of the gap between high and low incomes in a given area.
Wealth: The total value of an individual’s or household’s assets, minus debts and other liabilities.

Figure 1. Ohio health indicators

<table>
<thead>
<tr>
<th>Income-related factor</th>
<th>Ohio</th>
<th>Year of most recent data</th>
<th>Ohio’s rank among 50 states and D.C.*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall health status. Percent of adults that report excellent, very good or good health</td>
<td>83.4%</td>
<td>2015</td>
<td>28</td>
</tr>
<tr>
<td>Life expectancy. Life expectancy at birth based on current mortality rates</td>
<td>77.8</td>
<td>2010</td>
<td>37</td>
</tr>
<tr>
<td>Adult depression. Percent of adults who have ever been told they have depression</td>
<td>19.6%</td>
<td>2015</td>
<td>30</td>
</tr>
<tr>
<td>Adult smoking. Percent of population age 18 and older that are current smokers</td>
<td>21.6%</td>
<td>2015</td>
<td>43</td>
</tr>
<tr>
<td>Uninsured adults. Percent of 18-64 year olds that are uninsured</td>
<td>11.6%</td>
<td>2014</td>
<td>13</td>
</tr>
<tr>
<td>Unable to see doctor due to cost. Percent of adults who went without care because of cost in the past year</td>
<td>10.7%</td>
<td>2015</td>
<td>13</td>
</tr>
</tbody>
</table>

*A ranking of 1 is the best and 51 is the worst
Source: 2017 Health Value Dashboard
Health status and income in Ohio
In the Health Policy Institute of Ohio’s 2017 Health Value Dashboard, Ohio ranks 43 out of 50 states and the District of Columbia on population health outcomes. This means that Ohioans are living less healthy lives than people in most other states. Ohio ranks 29 on outcomes related to the social and economic environment, including unemployment, poverty, labor force participation and income inequality. Ohio’s performance indicates that there is room to improve outcomes related to both health and income.

Figure 1 shows Ohio’s performance on several key health-related measures and Ohio’s rank relative to other states.

Long-term indicators of economic stability for low- and middle-income Ohioans show troubling trends. Ohio’s unemployment rate is near the lowest rate of the past decade, but median income for Ohioans has lagged behind the U.S. for the last 13 years (see figure 2).9

In 2015, nearly one-third of Ohioans had incomes below 200 percent of the federal poverty level (FPL) and almost two-thirds had incomes below 400 percent FPL.10 Households with incomes at or near poverty often struggle to cover household expenses, including rent, utilities and medical care, particularly when unexpected expenses occur such as a vehicle break down or medical emergency.11 In Ohio, households with incomes below 200 percent FPL are heavily concentrated in the southern and eastern regions of the state (see figure 3).
Measures of income

FPL is a measure of household income issued annually by the U.S. Department of Health and Human Services (HHS). The measure is used by the U.S. Census Bureau to estimate the number of people living in poverty. Other federal and state agencies set income eligibility limits for programs at a percentage of FPL. FPL varies by household size, but not by geography with the exception of Alaska and Hawaii.

Area Median Income (AMI) is a measure of household income developed by the U.S. Department of Housing and Urban Development (HUD) to determine eligibility for federal housing assistance. AMI varies by geography. Federal housing programs set income eligibility limits for programs at a percentage of AMI, typically 30 or 50 percent.

FPL and AMI measure household income against a standard but do not necessarily reflect the ability of a household to meet basic needs. The following are examples of other methodologies to measure the adequacy of household incomes to meet basic needs and support economic mobility.

ALICE (Asset Limited, Income Constrained, Employed)
ALICE is a United Way project currently active in seventeen states, including Ohio, that quantifies the population that is working but not earning enough to cover basic household expenses. ALICE was developed by the United Way of Northern New Jersey and is coordinated by the state associations of United Ways. Each state forms a Research Advisory Committee to provide guidance for state reports. The Ohio ALICE report is scheduled to be released in October 2017 by the Ohio United Way.

The ALICE threshold, or the level of income a household needs to cover basic necessities, is set based on a household survival budget which includes housing, child care, food, transportation and health care. The threshold is adjusted for geography and household composition. The ALICE methodology uses an income assessment that includes earned income and support from public and non-profit assistance programs.

MIT Living Wage Calculator
This tool calculates the wage that is required to cover basic household expenses without public assistance in each county in the U.S. The wage calculator uses a budget that adjusts for household composition but does not allow for savings or common leisure time activities such as eating at restaurants or taking vacations. Compared to the ALICE threshold, the MIT Living Wage Calculator provides higher allowances on some expenses, including food, vehicles and health care.

Examples of AMI for selected Ohio counties (2017)

<table>
<thead>
<tr>
<th>County</th>
<th>Summit</th>
<th>Guernsey</th>
<th>Lucas</th>
<th>Franklin</th>
<th>Richland</th>
<th>Montgomery</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMI</td>
<td>$65,700</td>
<td>$52,800</td>
<td>$61,500</td>
<td>$74,500</td>
<td>$55,400</td>
<td>$63,600</td>
</tr>
</tbody>
</table>

Examples of MIT Living Wage (hourly) for selected Ohio counties (2017)*

<table>
<thead>
<tr>
<th>County</th>
<th>Summit</th>
<th>Guernsey</th>
<th>Lucas</th>
<th>Franklin</th>
<th>Richland</th>
<th>Montgomery</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 adult, 1 child</td>
<td>$21.42</td>
<td>$20.58</td>
<td>$20.82</td>
<td>$21.72</td>
<td>$20.58</td>
<td>$21.14</td>
</tr>
<tr>
<td>2 adults (1 working), 2 children</td>
<td>$23.19</td>
<td>$22.35</td>
<td>$22.59</td>
<td>$23.48</td>
<td>$22.35</td>
<td>$22.91</td>
</tr>
</tbody>
</table>

*These scenarios assume that working adults are full-time - 40 hours per week, 52 weeks per year – and non-working adults provide full-time childcare. Calculations account for federal and state taxes, but do not include the value of public or private benefits such as food assistance or employer contributions to health insurance premiums.
Differences in health by income level

People with higher incomes tend to live longer and healthier lives than people with lower incomes. People with very low incomes tend to experience the worst health outcomes. However, even people with moderate or “middle class” incomes have poorer health outcomes than higher income individuals. A recent large-scale study of life expectancy in the U.S. found that “the richest American men live 15 years longer than the poorest men, and the richest American women live 10 years longer than the poorest women.”

In Ohio, 38.7 percent of people living in households with incomes less than $15,000 report “poor” or “fair” health, compared to 6 percent of Ohioans in households with incomes of $75,000 or more (see figure 4).

Ohioans with low incomes are more likely to have chronic conditions. The prevalence of depression among Ohioans with low incomes is more than twice that of people with moderate or high incomes (see figure 4). Fourteen percent of Ohio adults in households with incomes less than $15,000 have diabetes, compared to just eight percent with incomes of more than $50,000.

Ohioans with low incomes also experience disparities accessing medical care. Twenty-eight percent of Ohio adults with low incomes did not have a usual source of care, compared to only 13 percent of Ohio adults with moderate or high incomes. The percent of Ohioans with annual incomes below $15,000 who went without care due to cost was 17.9 percent, compared to 5.2 percent among Ohioans with incomes of $75,000 or more, as seen in figure 4.

Figure 4. Health outcomes for Ohioans, by income (2015)

*Prevalence of two or more chronic diseases calculated by Ohio Department of Health using 2012 Behavioral Risk Factors Surveillance Survey data. Source: Behavioral Risk Factors Surveillance Survey
Why does poverty persist amid low unemployment rates and rising incomes?

Unemployment in Ohio is near its lowest level in the past decade, and median household incomes and labor market participation have begun to increase in recent years. Despite these positive economic indicators, poverty rates for families and individuals remain above pre-recession levels. One factor that contributes to this paradox is low-wage employment.

Low-wage employment

A closer look at job openings in Ohio reveals that the occupations with the highest number of annual job openings pay wages that are low enough to keep some working households at or near the poverty level. Figure 5 shows the 10 occupations with the largest numbers of projected annual job openings, the median wage paid and educational requirements.

Figure 5. Top 10 occupations with the largest number of projected job openings in Ohio (2014-2024)

<table>
<thead>
<tr>
<th>Occupational Category</th>
<th>Annual Openings</th>
<th>Median Wage</th>
<th>Typical Education Needed for Entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combined food preparation and serving workers, including fast food</td>
<td>6,920</td>
<td>$8.94</td>
<td>No formal educational credential</td>
</tr>
<tr>
<td>Retail salespersons</td>
<td>6,002</td>
<td>$9.92</td>
<td>No formal educational credential</td>
</tr>
<tr>
<td>Cashiers</td>
<td>4,960</td>
<td>$9.13</td>
<td>No formal educational credential</td>
</tr>
<tr>
<td>Registered nurses</td>
<td>4,833</td>
<td>$29.46</td>
<td>Bachelor's degree</td>
</tr>
<tr>
<td>Home health aides</td>
<td>4,476</td>
<td>$9.83</td>
<td>No formal educational credential</td>
</tr>
<tr>
<td>Waiters and waitresses</td>
<td>4,267</td>
<td>$8.97</td>
<td>No formal educational credential</td>
</tr>
<tr>
<td>Laborers/freight/stock/material movers</td>
<td>3,613</td>
<td>$11.72</td>
<td>No formal educational credential</td>
</tr>
<tr>
<td>Nursing assistants</td>
<td>2,711</td>
<td>$11.61</td>
<td>Postsecondary non-degree award</td>
</tr>
<tr>
<td>Stock clerks and order fillers</td>
<td>2,616</td>
<td>$11.25</td>
<td>No formal educational credential</td>
</tr>
<tr>
<td>Office clerks, general</td>
<td>2,495</td>
<td>$13.75</td>
<td>High school diploma or equivalent</td>
</tr>
</tbody>
</table>

Figure 6. Uninsured rate of Ohioans, ages 18-64 (2011-2016)

<table>
<thead>
<tr>
<th>Year</th>
<th>Less than 138% FPL</th>
<th>More than 400% FPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>35%</td>
<td>5%</td>
</tr>
<tr>
<td>2012</td>
<td>35%</td>
<td>5%</td>
</tr>
<tr>
<td>2013</td>
<td>35%</td>
<td>5%</td>
</tr>
<tr>
<td>2014</td>
<td>14%</td>
<td>3%</td>
</tr>
<tr>
<td>2015</td>
<td>14%</td>
<td>3%</td>
</tr>
<tr>
<td>2016</td>
<td>14%</td>
<td>3%</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, American Community Survey

The "double burden" of health disparities and inequities
Groups with low incomes and those with poorer health outcomes often overlap. For example, African-American or black Ohioans are more likely to live in poverty and are also more likely to experience poorer health outcomes than any other racial and ethnic group. The same holds true for Ohioans with a disability and those with lower educational attainment.

When people are part of more than one group that experiences health disparities, the underlying causes of the disparities can place a "double burden" on the health of the individual (see figure 7). For example, racial and ethnic minorities living with a disability report poor health at higher rates than white people living with a disability. This also holds true for minorities who experience increased health risks associated with both low socio-economic status and race. This compounding of health risk highlights the need to understand the relationship between income and health and reduce or eliminate health disparities and inequities.
How does income influence health?
Income influences health through various mechanisms, including stress, access to care and opportunities to make healthy choices.29

Health behaviors
While individual health behaviors reflect personal choice, research shows that social and environmental factors have a strong influence on health behaviors.30 For example, people with higher incomes can choose from a wider range of food options and purchase healthy foods even when they are more expensive. Neighborhood conditions31 and social networks,32 which include friends, family and neighbors, also influence health behaviors. In addition, people with low incomes “experience more chronic and uncontrollable life events and stressors than the general population.”33 Exposure to persistent stress combined with a lack of resources or coping strategies can lead to unhealthy behaviors.34

Nutrition
Research shows that unhealthy foods are inexpensive and easier to find compared to healthy foods in low-income neighborhoods. Affordability is the primary factor households with low incomes consider in making food choices.35 Foods that are more nutritious are typically more expensive than foods that are filling, but not particularly healthy.36 While it is possible to eat healthy foods on a limited budget, people with low incomes may face other barriers to eating a healthy diet. For example, people working multiple part-time jobs with irregular schedules have less time to prepare fresh and healthy foods. In addition, healthy foods, including fresh fruits and vegetables, are harder to find in low-income neighborhoods.37 Finally, social networks often reinforce unhealthy eating.38

Smoking
Ohio adults with incomes below $15,000 per year are nearly three times more likely to smoke than Ohioans with incomes above $50,000.39 Research shows that tobacco products are more readily available in low-income neighborhoods,40 and tobacco companies have a history of targeting advertisements to people with low incomes.41 To make tobacco products more affordable, the tobacco industry spends considerable amounts of money on coupons, promotions and discounts.42 Persistent exposure to stress combined with the common perception that nicotine helps to regulate stress may explain some of the disparities in smoking rates by income.43

Access to health care
Income influences access to health care through several factors, including access to affordable health insurance coverage and healthcare services.

Health insurance coverage
People with low incomes are more likely to be uninsured and have unmet healthcare needs (see figure 6).44 Without the benefit of negotiated rates, people without insurance are often billed at higher rates for the healthcare services they receive. As a result, people who are uninsured may delay or forgo needed care, receive care at hospital emergency departments or risk severe financial hardship from medical debt.45

Provider access
There are typically fewer healthcare facilities located in low-income neighborhoods.46 This presents a particular challenge for people who do not have a vehicle and/or live in a neighborhood with poor access to public transit or a rural area with no transit services.

Stress and hazards in the workplace
Jobs that pay a living wage, offer flexibility to address life’s challenges and give employees a sense of control over their work promote better mental and physical health.47 Low-wage jobs are typically repetitive or task-oriented and place high demands on employees, but offer little control over working conditions.48 For example, workers with low incomes are more likely to have jobs with irregular work schedules, which can be stressful because of scheduling conflicts that arise between work and other responsibilities, such as childcare.49 In addition, low-wage workers are more likely to work in dangerous environments that can be harmful to health and less likely to have paid sick leave (see figure 8).50

How does health influence income
Research on the connections between income and health largely focuses on how income influences health, but economists and other researchers have also explored the impact of health on income.51 The effects of health on
income are more severe for people with low incomes because they typically have fewer resources, including health insurance coverage, savings and paid time off work to reduce the negative impact of poor health on income.

**Absenteeism**

Health-related absenteeism impacts income by reducing productivity and making it more difficult to pursue advancement opportunities such as education, training or job promotion. For children, health-related absenteeism can limit educational attainment and make it more difficult to acquire the skills and credentials that support higher income earning potential in adulthood. 52

For working-age adults, absenteeism can reduce income through reduced hours or job loss, particularly for workers that do not have paid sick leave.53 For example, a recent study found that workers with two or three chronic conditions miss three more days of work per year on average than people with no chronic conditions and people with four or more chronic conditions miss nine more days on average.54 In addition, the likelihood that an individual is employed decreases as the number of chronic conditions they have increases (see figure 9).

**Poverty and poor health as an intergenerational cycle**

Research highlights that income and health-related traits are passed from one generation to the next. Examples from the U.S. include:

- About half of an individual’s earning potential is inherited from parents56
- Children of smokers are more likely to smoke than children of non-smokers57
- Income level in early childhood is a determinant of health outcomes in adulthood58
- Social networks, including support from friends, family and community members, can help address barriers to earning higher income such as transportation and employment59

Understanding how income and health-related outcomes are shared between generations may help to identify policy options that will disrupt intergenerational cycles of poverty and poor health.

**Figure 8. Percent of workers with paid sick leave, by wage earning group, U.S. (March 2017)**

<table>
<thead>
<tr>
<th>Wage Earning Group</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lowest 25% of wage earners</td>
<td>46%</td>
</tr>
<tr>
<td>Second 25%</td>
<td>72%</td>
</tr>
<tr>
<td>Third 25%</td>
<td>85%</td>
</tr>
<tr>
<td>Highest 25% of wage earners</td>
<td>91%</td>
</tr>
</tbody>
</table>


**Figure 9. Employment in the past 12 months by number of chronic conditions, adults ages 18-64, U.S. (2011)**

<table>
<thead>
<tr>
<th>Chronic Conditions</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 chronic conditions</td>
<td>82%</td>
</tr>
<tr>
<td>1 chronic condition</td>
<td>78.5%</td>
</tr>
<tr>
<td>2-3 chronic conditions</td>
<td>64.6%</td>
</tr>
<tr>
<td>4 or more chronic conditions</td>
<td>39.2%</td>
</tr>
</tbody>
</table>

**Source:** National Health Interview Survey, 2011 as published by Ward, Brian W. “Multiple Chronic Conditions and Labor Force Outcomes: A population study of U.S. adults.”
Disability
Temporary or permanent disabilities can impact income for working age adults through job loss or reduction of hours, changing work duties and/or limiting access to opportunities for advancement.\(^6^0\)

Some programs, including federal Social Security Disability Insurance (SSDI), pay benefits to disabled workers based on earnings history.\(^6^1\) Workers who earned low incomes before becoming disabled receive smaller payments. Vocational rehabilitation programs provide assistance aimed at increasing employment and incomes among people living with disabilities.\(^6^2\)

Factors that impact both income and health
There are many factors – often related to poverty – that can affect both income and health.

Racism
Institutional, structural and interpersonal racism can influence both health\(^6^3\) and income.\(^6^4\) For example, residential segregation is shown to increase risk of poor birth outcomes and infant mortality among minority groups.\(^6^5\) Segregation also restricts access to educational and economic opportunities by concentrating racial and ethnic minorities in high-poverty neighborhoods.\(^6^6\) Discrimination experienced by minorities in the workplace, housing markets and everyday interactions with people exhibiting conscious and unconscious bias has also been shown to negatively impact a number of health-related outcomes.\(^6^7\)

Discrimination also contributes to persistent wage and employment disparities experienced by minority groups (see figure 10).\(^6^8\) Studies have confirmed this by controlling for personal characteristics of workers such as educational
Housing and neighborhood conditions

Housing and neighborhood conditions impact health through exposure to harmful conditions in the home as well as exposure to stressors such as crime. Neighborhood conditions impact health and income through numerous factors, including access to quality education and employment opportunities.

Housing

In Ohio, many renters are “cost-burdened” by rent and utilities, meaning that they spend more than 30 percent of their gross monthly income on these expenses (see figure 11). When a household is cost-burdened, the portion of income that is left after paying for housing may not be sufficient to cover other necessities. The trade-offs households make to cover this shortfall can be detrimental to overall health. For example, to maintain housing, a family with low income may choose to go without electricity during the summer which can worsen symptoms of some chronic conditions, make it harder to adhere to medical advice (such as refrigerating medications) and increase exposure to air pollutants through open windows.

Substandard or poorly maintained housing can present health risks, including respiratory problems prompted by inadequate climate control, mold or pests and neurological damage or cancer from exposure to lead or other toxins.

Neighborhood conditions

Conditions in neighborhoods where people with low incomes can afford to live can be harmful to health. As the volume of substandard, vacant and abandoned buildings in a neighborhood increases, the risk of poor health outcomes for residents also increases. In addition, living in neighborhoods with high crime, low-quality schools, few job opportunities and isolated social networks can also lead to mental and physical health problems.

Research shows that the place in which a person lives influences income and economic mobility. High-poverty neighborhoods tend to offer fewer opportunities for residents to move up the economic ladder. The Kirwan Institute for the Study of Race and Ethnicity at The Ohio State University has developed opportunity maps that illustrate how opportunities for advancement are concentrated in some areas and largely absent in others.

Workforce development: Ohio’s Combined State Plan

The federal government and states fund several programs to connect job seekers with the basic skills, training and supportive services they need to participate in the workforce. The federal Workforce Innovation and Opportunity Act (WIOA), signed into law in 2014, required states to submit a four-year workforce development strategy. Ohio’s Combined State Plan coordinates services for job seekers provided through the funding sources and programs listed below:

- Title I of WIOA, which funds county OhioMeansJobs Centers and job training and job search assistance programs for adults, dislocated workers and low-income youth
- The Wagner-Peyser Act Program, which funds a variety of employment services to connect job seekers and employers
- Adult Basic and Literacy Education, which funds GED preparation, adult math, reading and literacy courses
- The Vocational Rehabilitation Program through Opportunities for Ohioans with Disabilities, which supports vocational rehabilitation programs for individuals with disabilities

Ohio has chosen three additional programs to include in the state’s combined plan including:
- Carl D. Perkins Career and Technical Education, which provides funding for career technical training for secondary and post-secondary students
- Senior Community Service Employment Program, which is a community service and work-based job training program for older Ohioans
- Jobs for Veterans State Grants Programs, which helps veterans find jobs through employment services at local OhioMeansJobs Centers
Historical drivers of racial segregation and discriminatory practices have isolated minority groups, particularly African Americans, into low opportunity areas. For example, “redlining” restricted access to capital investment in some neighborhoods based on the racial make-up of residents. Over time, lack of access to capital created conditions in neighborhoods where social problems associated with poverty, including lack of opportunity, persist.

**Education**

Higher educational attainment is associated with higher income and better health. Jobs that pay high wages and offer benefits usually require some type of degree or credential to qualify. In Ohio, recent data shows that 29 percent of people who did not graduate high school or an equivalency program have incomes below 100 percent FPL compared to 4 percent of people with a bachelor’s degree or higher (see figure 12).

By 2020, 64 percent of jobs in Ohio will require some type of postsecondary education. A 2017 report from The Lumina Foundation estimates that only 43.6 percent of Ohioans ages 25-64 have completed postsecondary education, including “high-value postsecondary certificates.” The Ohio Department of Higher Education set a goal to increase this number to 65 percent by 2025.

In addition to improving health through increased income, education also influences health by equipping people with skills to navigate the healthcare system, communicate with providers and manage complex and/or chronic conditions. See the HPIO policy brief Connections between Education and Health for additional information.

**Toxic and persistent stress**

Long-term exposure to stress can negatively affect health and potentially lead to unhealthy coping mechanisms, such as smoking and excessive drinking. These behaviors are harmful to health, but they are also expensive and potentially harmful to future economic success.

Adverse childhood experiences (ACEs), such as abuse or neglect, have significant impacts on adult health and economic success. Children exposed to four or more ACEs are twice as likely to have certain chronic conditions and to be unemployed as adults.
Policy implications

Given the connections between income and health, policymakers can:

- Prioritize evidence-informed policies with both income and health benefits, including expanding the state Earned Income Tax Credit, lifting the existing cap on the credit, making it refundable and expanding the credit to non-custodial parents
- Commission health impact assessments through legislation and/or during the process of considering policy options that impact income:
  - Consider the potential impact of income policies on health, such as implementing work requirements for Medicaid, changing the state minimum wage or implementing local living wage ordinances and fair contracting practices
  - Consider the potential impact of policies related to health insurance coverage on health and income, such as increasing cost-sharing for Medicaid or developing accounts to help people with low incomes afford private insurance premiums and cost-sharing
  - Implement policies that reduce barriers to employment, such as reduced occupational licensing requirements and fair-chance hiring policies, such as the Ohio Fair Hiring Act, signed into state law in 2015
  - Implement evidence-based strategies, such as matched dollar incentivizes for saving tax refunds, to support wealth accumulation among Ohioans with low and moderate incomes
  - Strengthen consumer protections for people with low incomes, such as tightening restrictions on interest rates charged by payday lenders

Income support tax credits and programs

The federal government and states provide income support to low-, moderate-, and high-income households through programs and tax credits that provide cash, tax relief or in-kind support to eligible households. This government support helps households pay for necessities or increase disposable income.

Tax credits and deductions

Tax credits reduce the amount of taxes households are required to pay. Refundable tax credits provide additional income for households that do not owe any income tax. Eligibility for refundable tax credits is typically limited to households with low incomes. An example of a refundable tax credit is the federal Earned Income Tax Credit (EITC). Ohio allows tax filers with low incomes to claim a portion of the federal EITC on their state return. In tax year 2016 the Ohio EITC was non-refundable and capped for filers with incomes above $20,000.

Other tax credits, including the Child Tax Credit (CTC) are non-refundable and available to filers with moderate and high incomes. Tax deductions, including the deduction for mortgage interest and property taxes are also available to moderate and higher income filers.

Most tax credits and deductions are designed to promote economic activity, such as work and home ownership and there is evidence that they are effective. For example, recent research found that the EITC and CTC reduce poverty and encourage work among recipients. Research also shows that increases in the EITC may be related to improvements in health outcomes, including reduced pre-term birth and low birth weight.

Programs

Government programs for households with very low incomes, including the Special Supplemental Nutrition Program for Women, Infants and Children (WIC), Medicaid, Temporary Assistance for Needy Families (TANF) and Supplemental Security Income (SSI), provide cash or in-kind support to households with qualifying incomes. For example, WIC provides vouchers to purchase healthy foods for pregnant women and young children with incomes below 185 percent FPL.

The structure of some programs for people with very low incomes can be a barrier to achieving economic self-sufficiency. Most social safety net programs reduce benefits for recipients as earned income increases. This can create an economic disincentive to accepting a small raise or working more hours because the increase in earned income is at least partially offset by a decrease in benefits. This is referred to as a "benefit cliff."
• Monitor implementation of Ohio’s Combined Plan – Ohio’s plan to implement four federal workforce development programs – to ensure that the state is accomplishing the objectives of the plan as stated below:
  ◦ Help more Ohioans compete for quality jobs that pay a family-sustaining wage and lead to career advancement
  ◦ Remove barriers to education and employment for individuals
  ◦ Help Ohio employers find the talent they need to succeed and grow
  ◦ Provide effective and efficient job training aligned to in-demand occupations and employer needs resulting in workplace-valued credentials
• Prioritize additional state investment in workforce development programs that deliver desired outcomes, including training for jobs that pay livable wages and have good scheduling and sick time practices
• Increase opportunities for Ohioans to obtain quality postsecondary credentials, including college access programs for students with low incomes
• Adopt evidence-based local policies that encourage mixed-income housing development such as inclusionary zoning, which requires developers to build affordable housing units alongside more expensive units

Conclusion

Income is a major factor that determines where people live, who they associate with, the type of work they do and the resources they have to cope with stress and negative life events. The cumulative effects of income on health contribute to significant disparities in health and health-related outcomes between people with low incomes and those with higher incomes. Implementing policies designed to help Ohioans with low incomes achieve economic self-sufficiency may help to improve the overall health and well-being of Ohioans.

Notes

9. FPL guidelines were originally calculated in 1965 by the Social Security Administration. In 1963 the average family spent 30 percent of household income on food. Therefore, FPL was established as three times the cost of food using the United States Department of Agriculture’s economy and low-cost food plans – the cheapest food plans that would provide sufficient nutritional value. FPL is now updated using the change in the Consumer Price Index for All Urban Consumers for the previous calendar year.
Notes cont.


70. Ibid.


74. Ibid.


79. Ibid.


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