

North Santiam Canyon Infrastructure- Related Community Health Assessment

Steve White, MURP

Health Impact Assessment Program
Coordinator
Environmental Public Health
Public Health division

Kari Christensen

Brownfields Program Coordinator
Environmental Public Health
Public Health division

Focus of this assessment:

- What health issues might be impacted by proposed infrastructure improvements?
- What do we know about these health issues in the North Santiam Canyon communities?

Infrastructure



Health Issue



Health Outcome

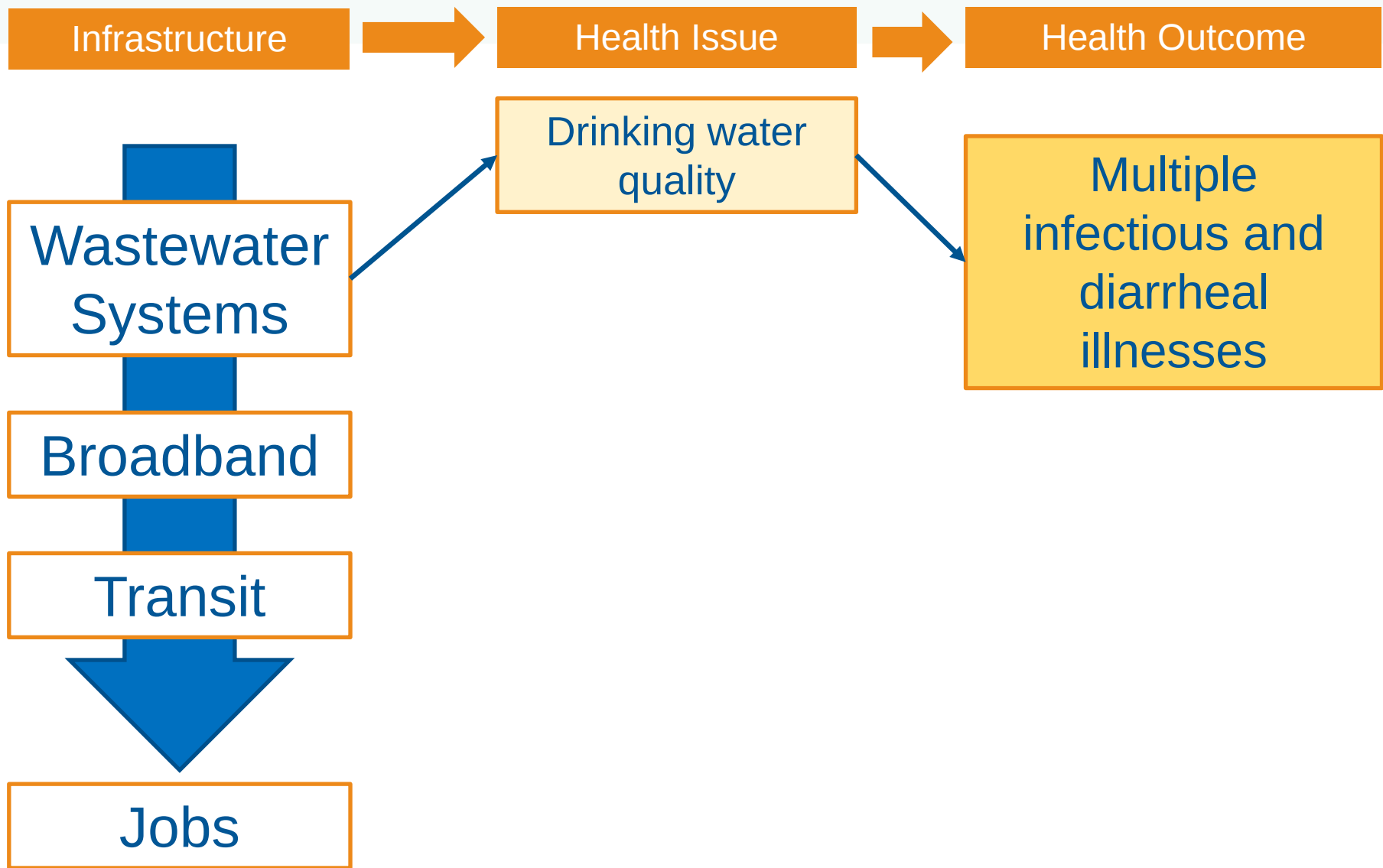
A large blue arrow pointing downwards, passing through the boxes 'Wastewater Systems', 'Broadband', and 'Transit', and ending at 'Jobs'.

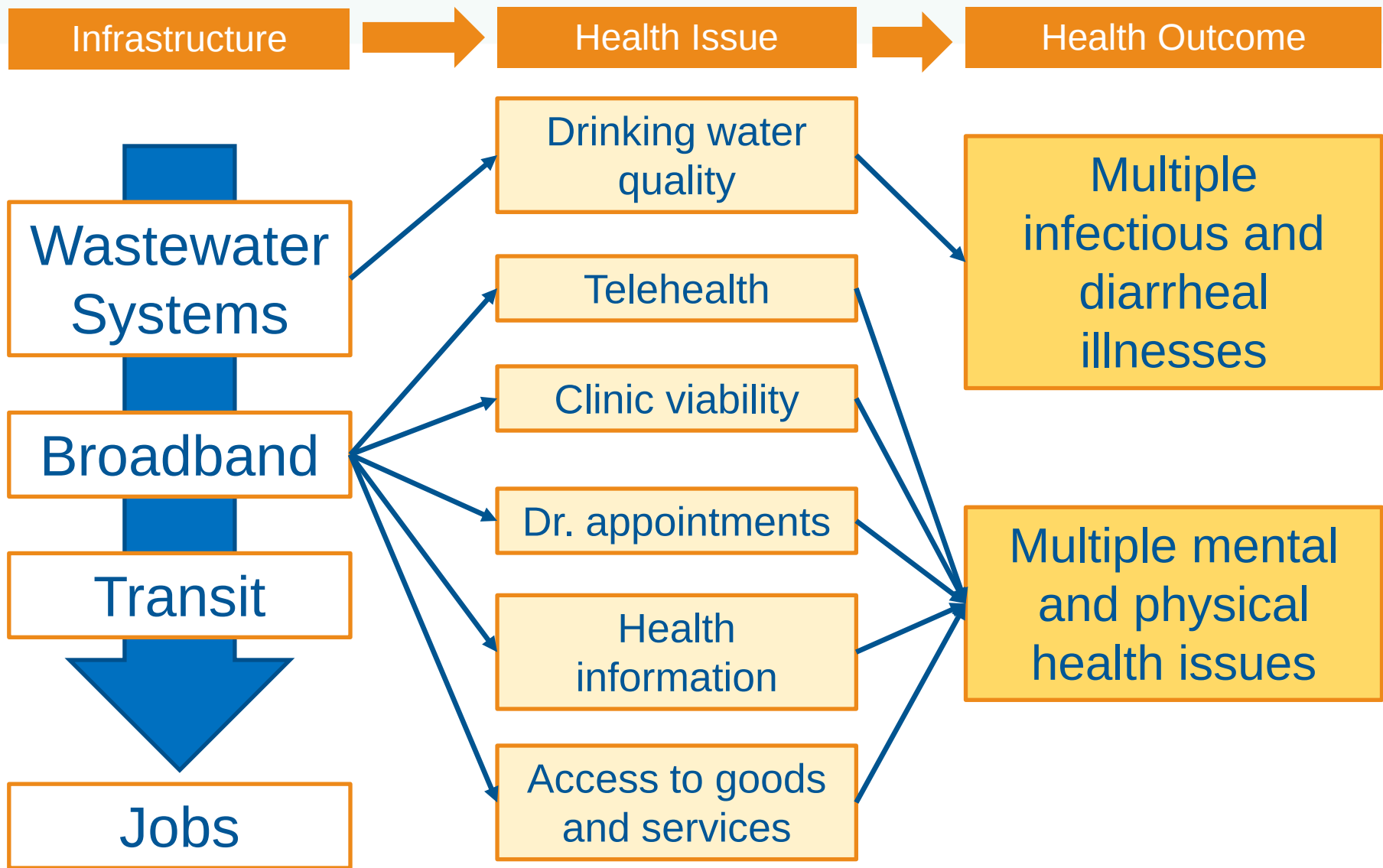
Wastewater
Systems

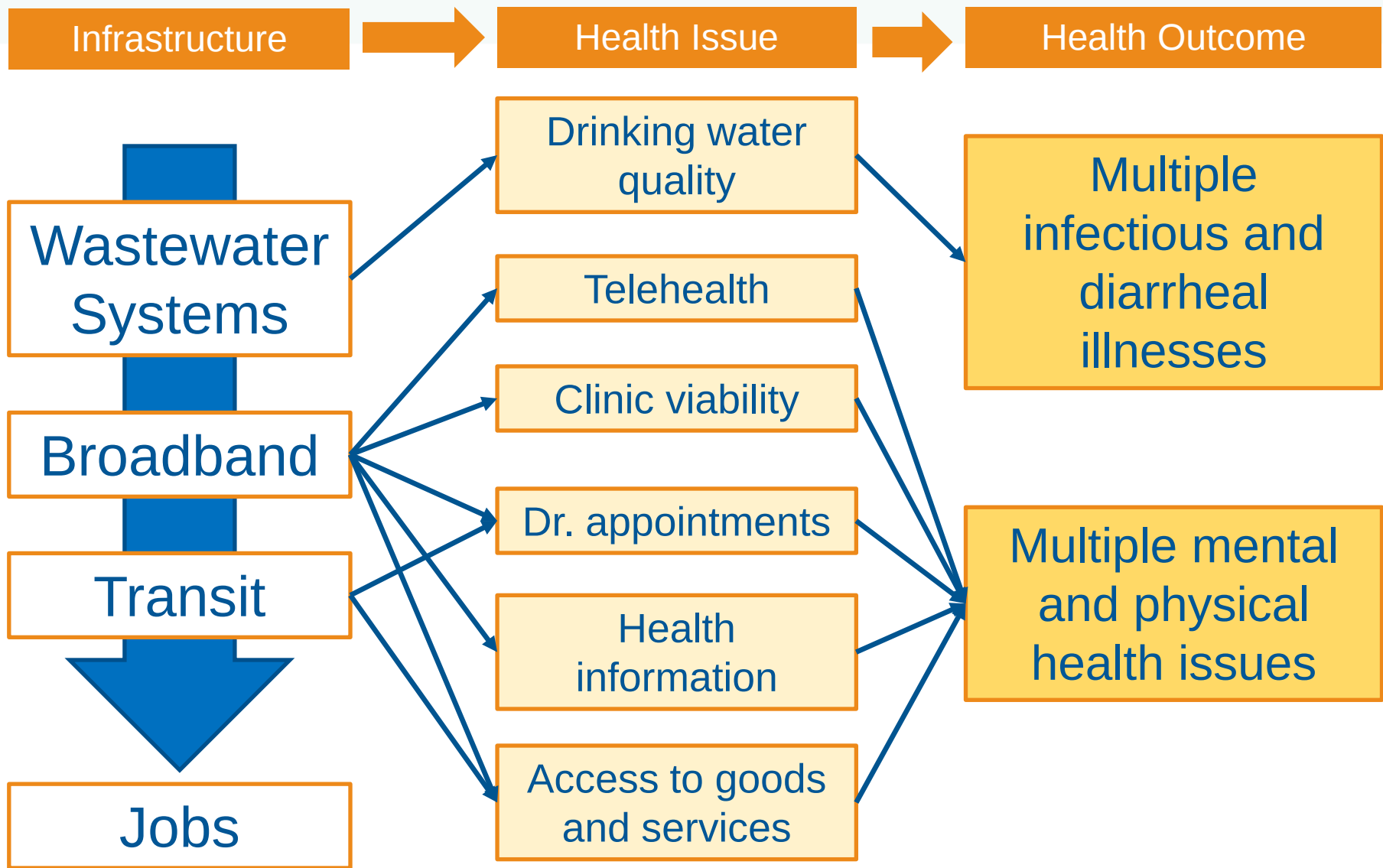
Broadband

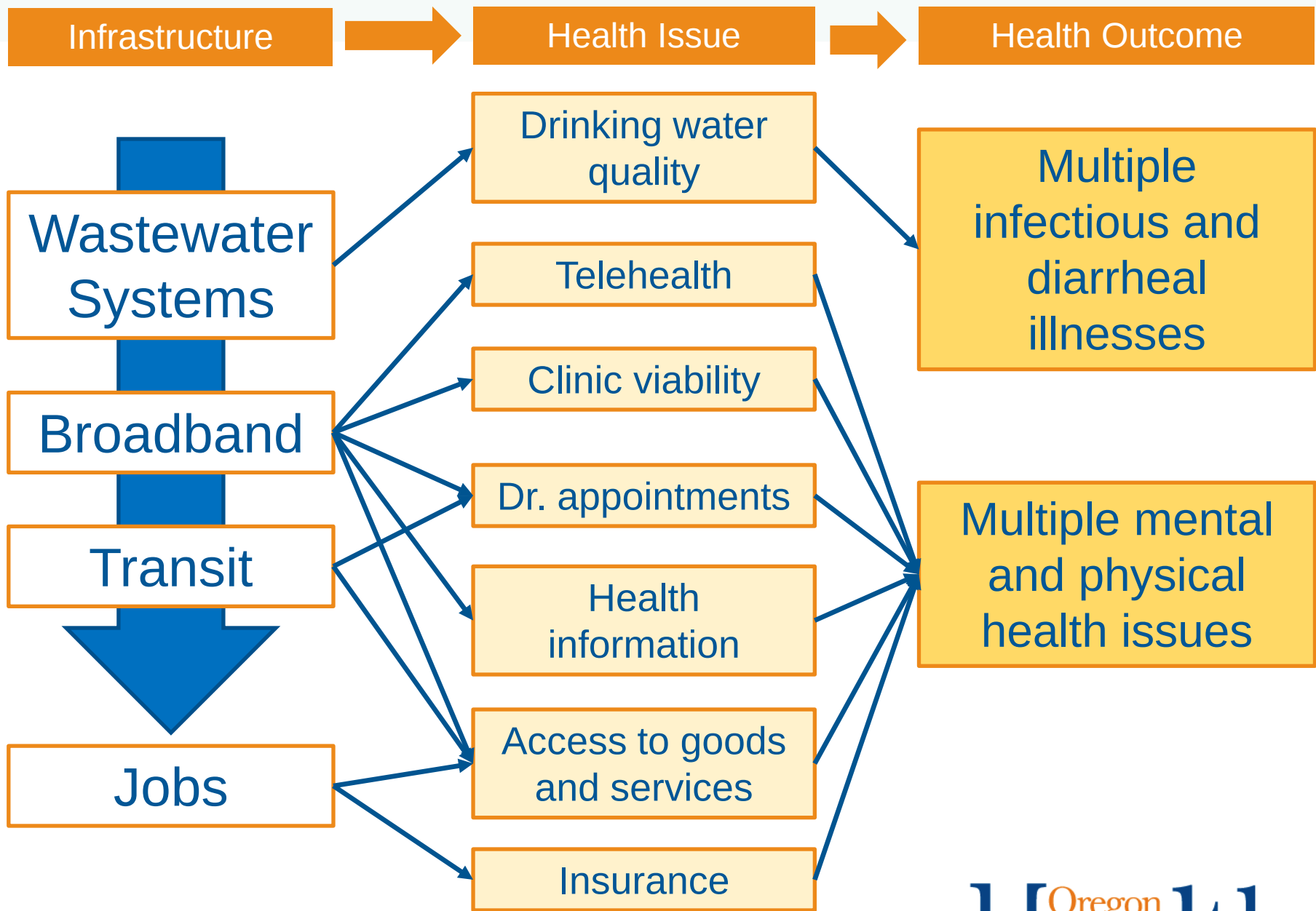
Transit

Jobs









Wastewater Systems

Connection to health: Wastewater systems can reduce a community's reliance on septic systems and thereby reduce the risk of drinking water contamination from septic systems



Drinking Water Quality in North Santiam Canyon

Domestic Wells	Public Systems
• Common • Only tested when property is sold • The few test records we have don't indicate that there is an issue in the area with contamination from septic systems	• In all 5 communities • Tested regularly • State drinking water test records don't indicate that there is an issue in the area with contamination from septic systems

Broadband

Connection to health: High quality and capacity broadband can impact health by:

- Facilitating telehealth
- Facilitating clinic viability
- Helping people keep appointments
- Improving access to health information
- Improving access to goods and services

Broadband

Telehealth	Clinics	Reminders	Information	Goods & Services
• Can improve health care in rural areas • Increasingly common in Oregon	• Can improve health care in rural areas • There is a new clinic in Mill City • Don't know if lack of adequate broadband is a primary barrier for possible clinics in other communities	• Text reminders are effective in helping people keep Dr. appointments and observe mental and physical treatment programs • Broadband + WiFi can improve wireless phone service	• The benefits of Internet access to health information and advice include improved quality of care, timeliness and efficiency • People with high-speed connections are more likely to seek information on-line	• People with high-speed connections are more likely to shop on-line

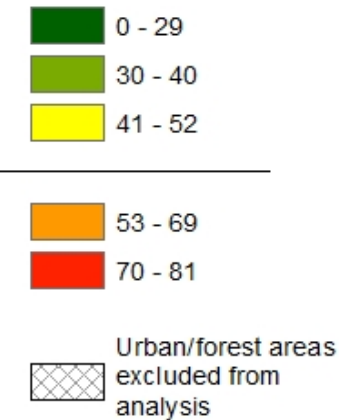
Broadband

According to the Oregon Office of Rural Health, parts of the North Santiam Canyon are considered “areas of unmet healthcare need”. The benefits of improved broadband service might help address some of these needs.

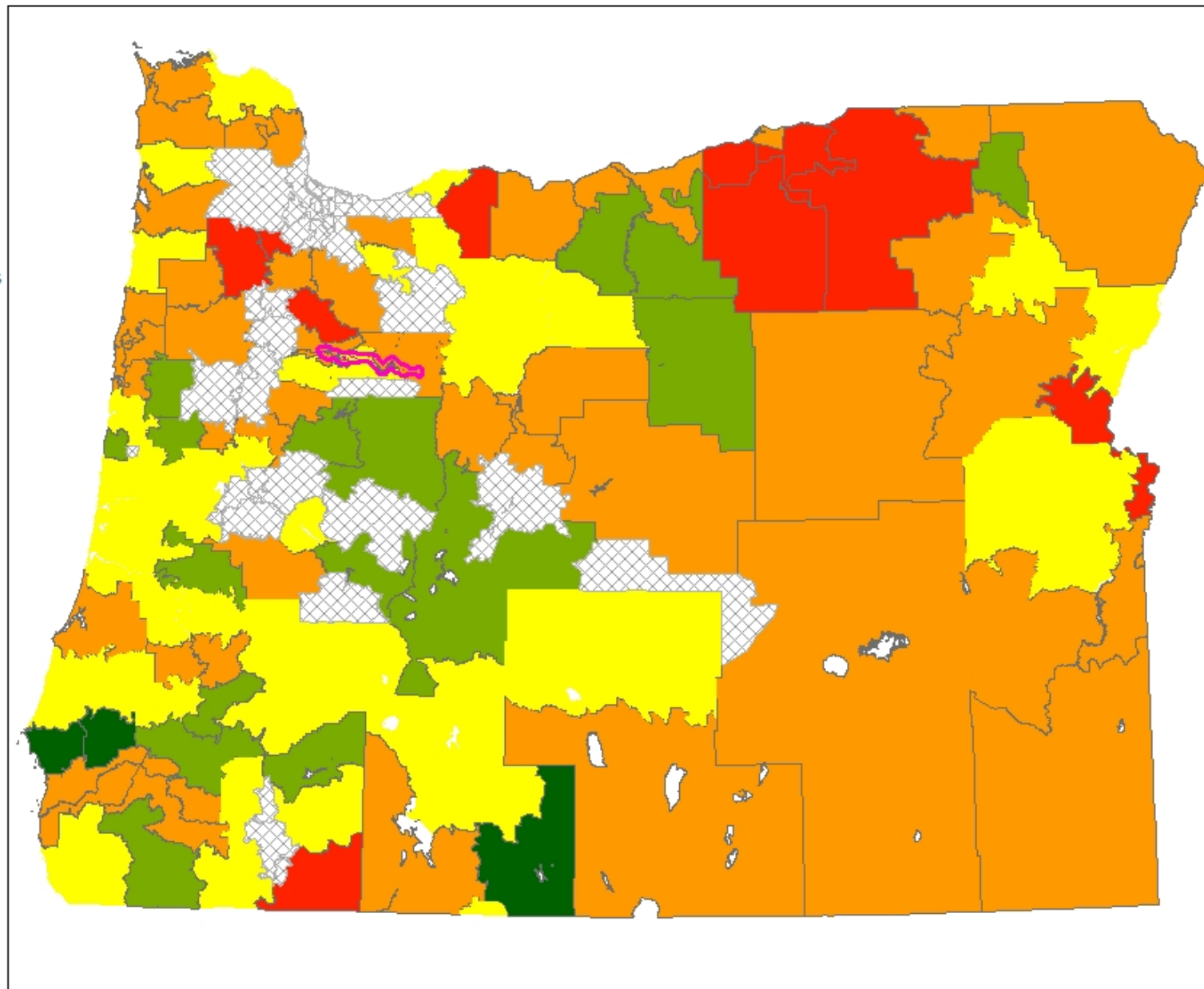
Broadband can increase options for meeting some of the health needs identified by community members, including drug addiction and mental health issues.

Unmet Healthcare Need by Service Area--2016

Source: Oregon Office of Rural Health

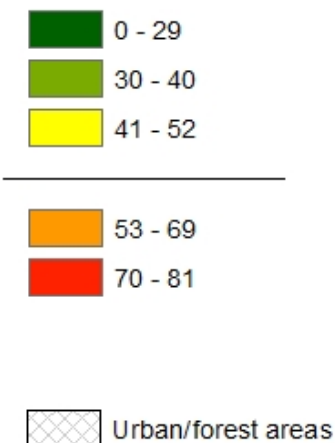


ORH defines areas of unmet need as those with scores above 52.

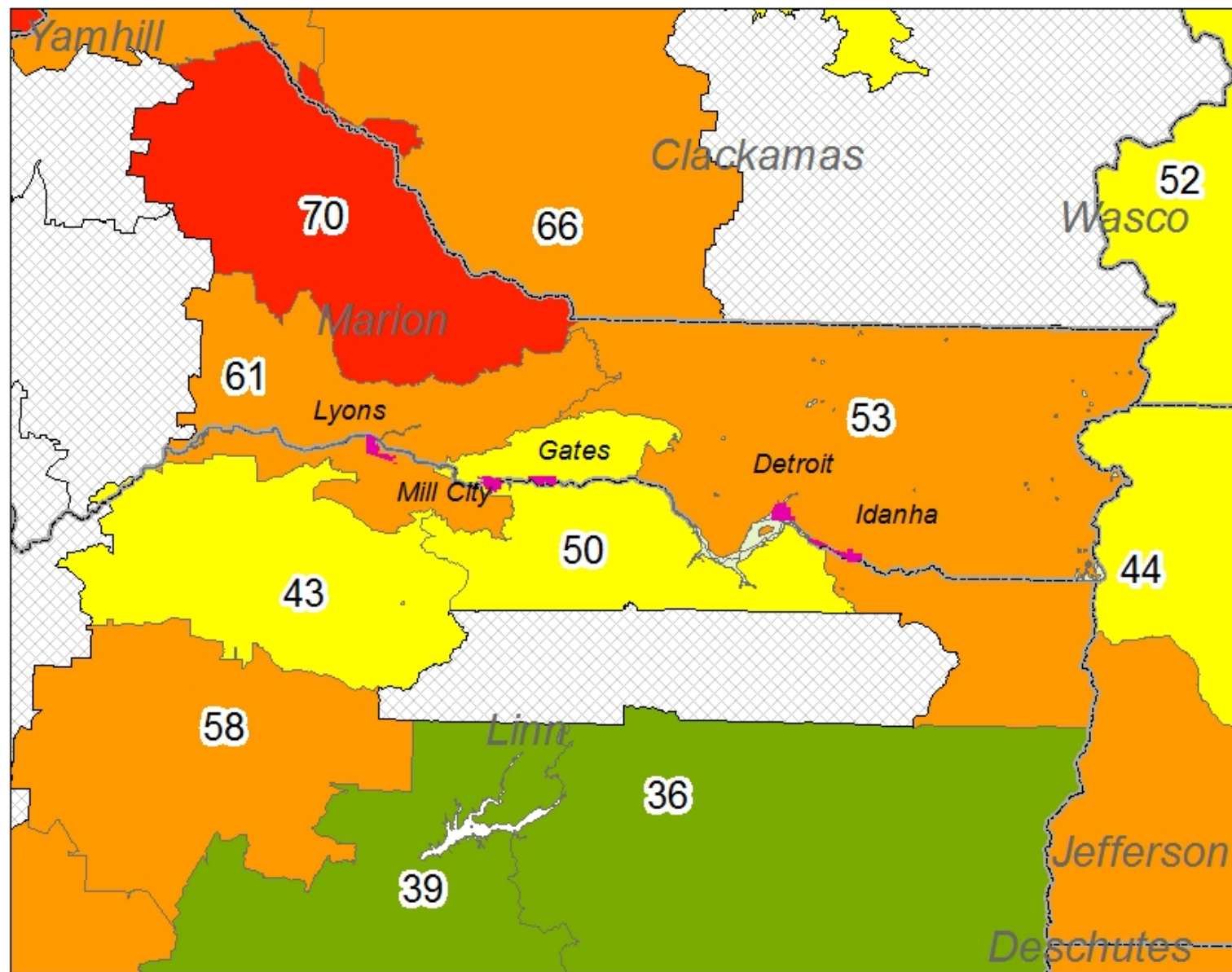


Unmet Healthcare Need by Service Area--2016

Source: Oregon Office of Rural Health



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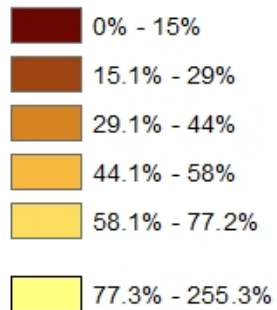


ORH unmet needs composite metric

1. Percentage of Primary Care Visits Met
2. Ambulatory Care Sensitive Conditions (ACSC) Ratio
3. Travel Time to Nearest Hospital
4. Comparative Mortality Ratio
5. Low Birth Weight Rate

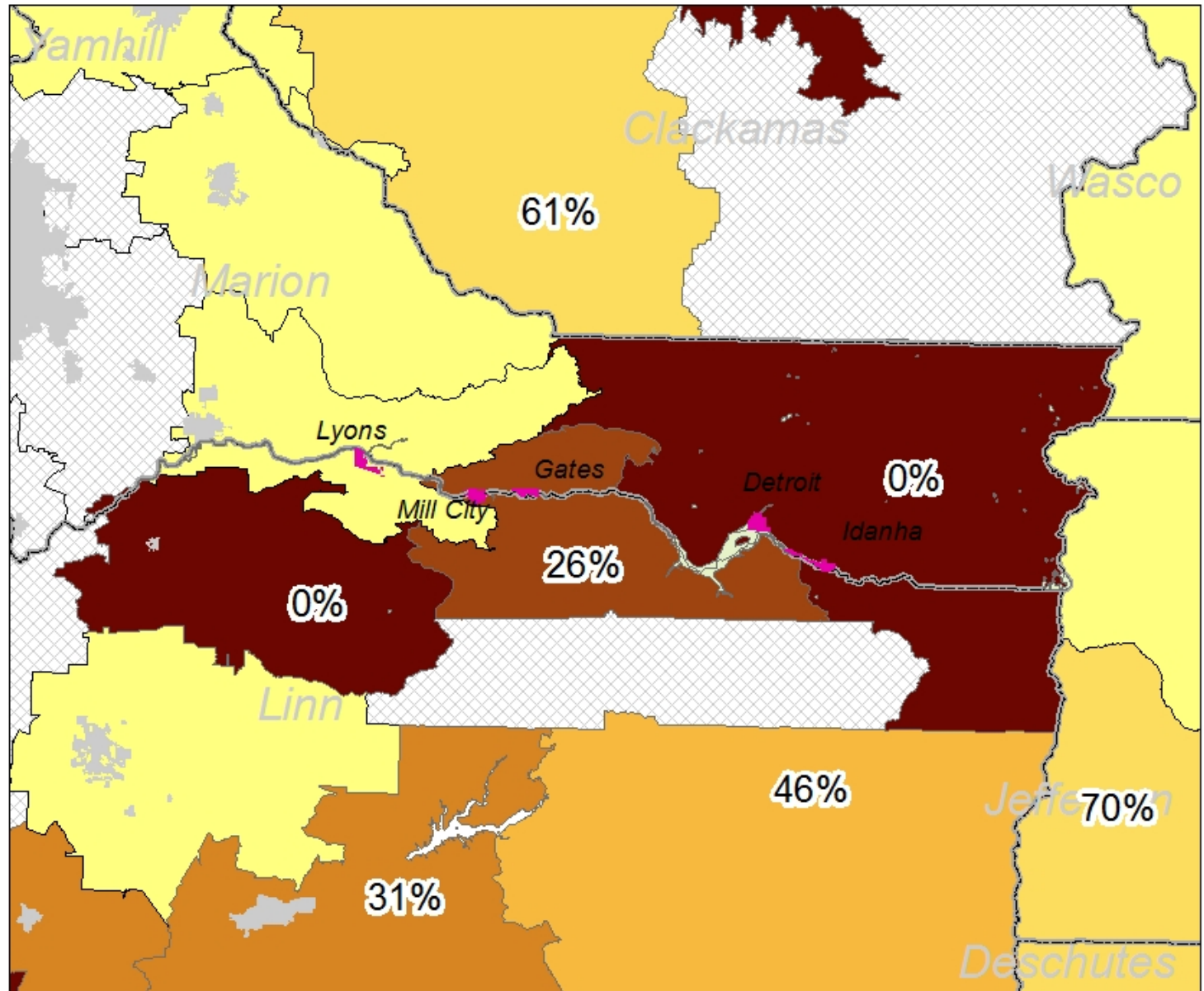
Percent of Primary Care Visit Needs Met 2016

Source: Oregon Office of Rural Health



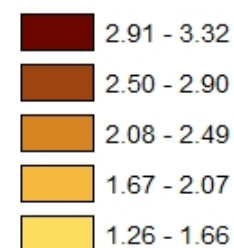
ORH defines areas of unmet need as those below 77.2%.

Areas at 0% have no providers



2016 Ambulatory Care Sensitive Conditions Hospitalization Ratios

Source: Oregon Office of Rural Health

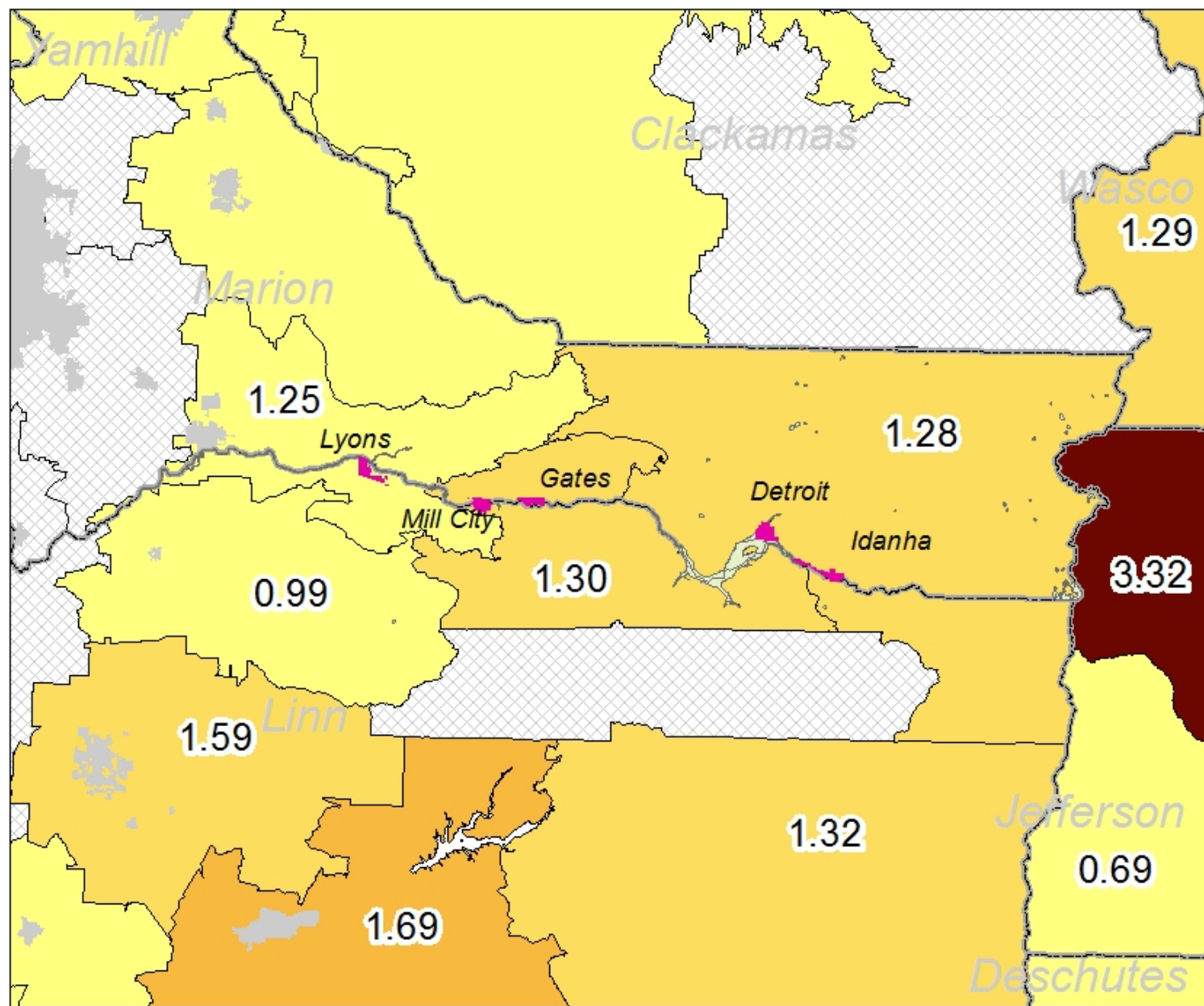


0.00 - 1.25

Cities

Urban/forest areas

ORH defines areas of unmet need as those above the mean rural area ratio of 1.25.



Transit

Connection to health: Transit can provide access to health supportive goods and services for people who don't have cars



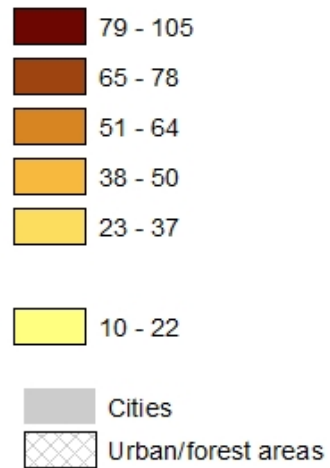
Transit

- **Accessing goods and services can be a challenge for Canyon residents**

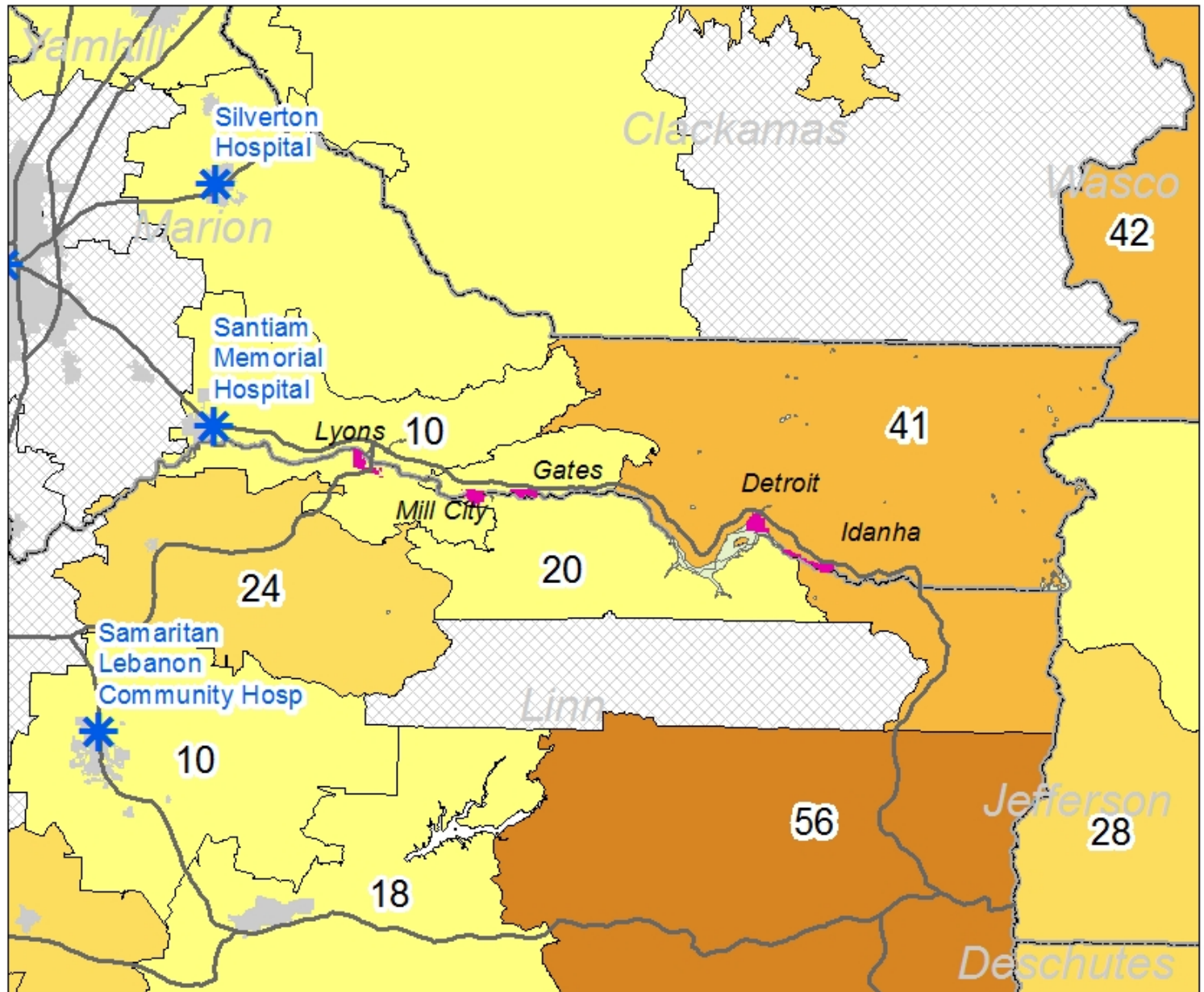
MCHD Community Health Assessment Survey Data, 2015—uweighted	Marion County Overall (n=1,749)	Canyon (n=31)
I cannot access eye care when I want/need it.	19%	39%
I cannot access dental care when I want/need it.	18%	42%
I cannot access medical care when I want/need it.	11%	11%
I cannot access mental health care when I want/need it.	12%	16%
I cannot access pediatric care when I want/need it.	8%	3%
I cannot access addiction services when I want/need them.	8%	10%

2016 Average Travel Time to Nearest Hospital (minutes)

Source: Oregon Office of Rural Health



ORH defines areas of unmet need as those above 22 minutes.



Jobs

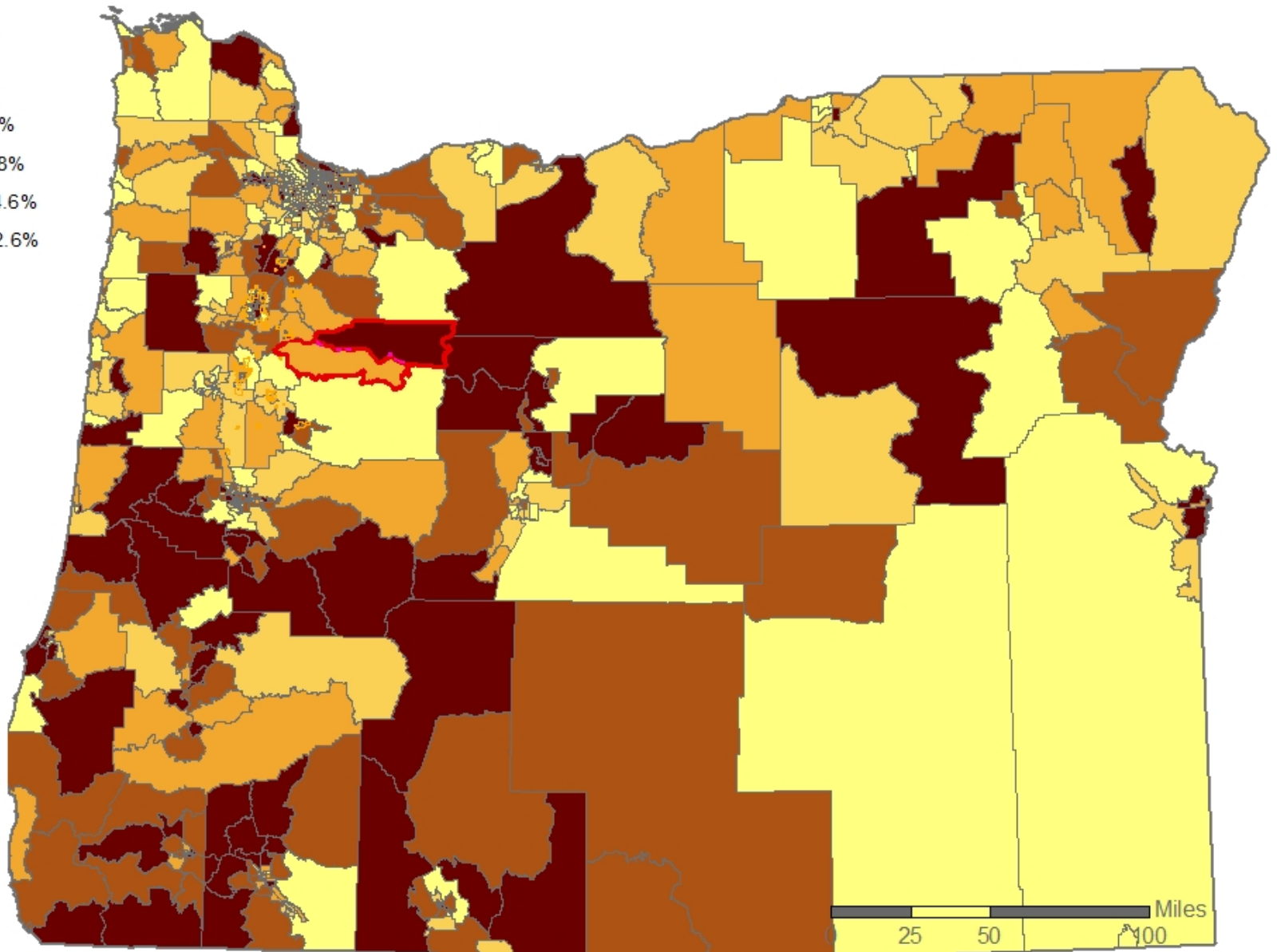
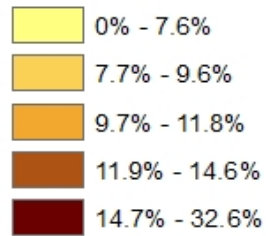
Connection to health: Jobs provide income and, often, insurance. Income is the largest predictor of overall health and well-being, and insurance can improve access to care for most health issues

PAYCHECK	AnyBusiness, Anytown, USA	2004
<i>PAY TO THE ORDER OF</i>	Valued Employee	
Four Hundred Fortyfive and 55 cents		
Weekly Hours:	40	
Total Overtime:	12	
Total Hours:	52	
: 000000000000 : XXXXXXXXXXX		



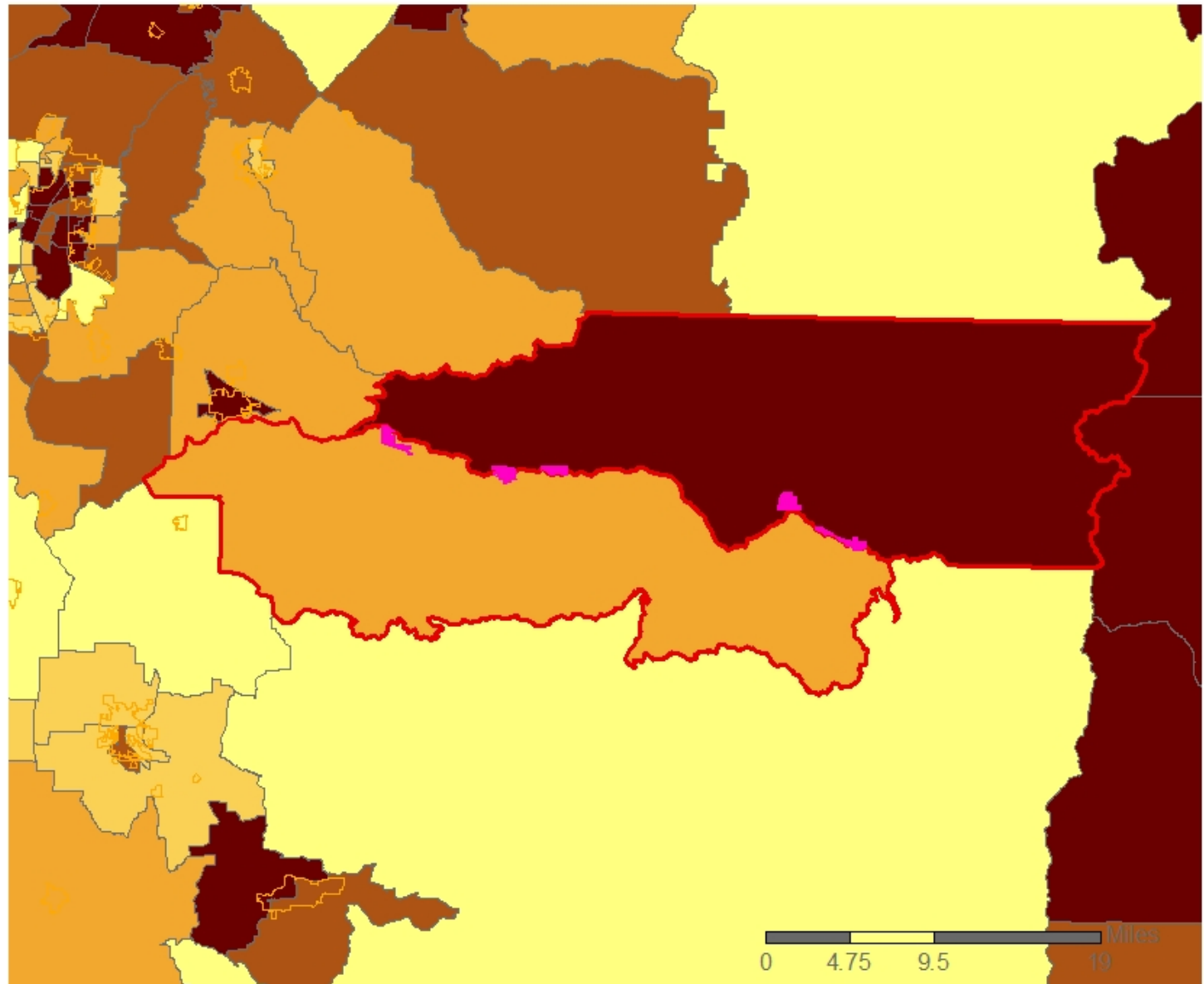
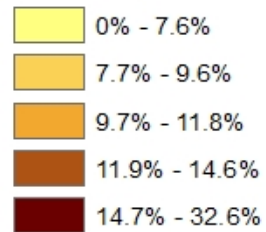
Percent Unemployed--Oregon

Percent Unemployed



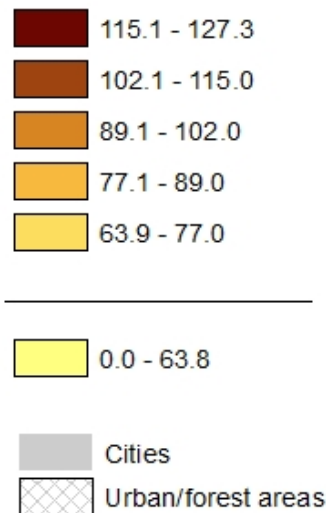
Percent Unemployed--North Santiam Canyon

Percent Unemployed



2016 Rural Low Birthweight Rates (per 1,000 births)

Source: Oregon Office of Rural Health



ORH defines areas of unmet need as those above the mean rural area ratio of 1.25.

