

Medicaid Can Pay for Trees

The Investment to Make the Opportunity Real



Institute for
Sustainable Solutions
PORTLAND STATE UNIVERSITY

Oregon **Healthiest** State
 Join The Movement



WILLAMETTE PARTNERSHIP




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DOWNLOAD THE FRAMEWORK at oregon.healthandoutdoors.org

Health 101 & Social Determinants



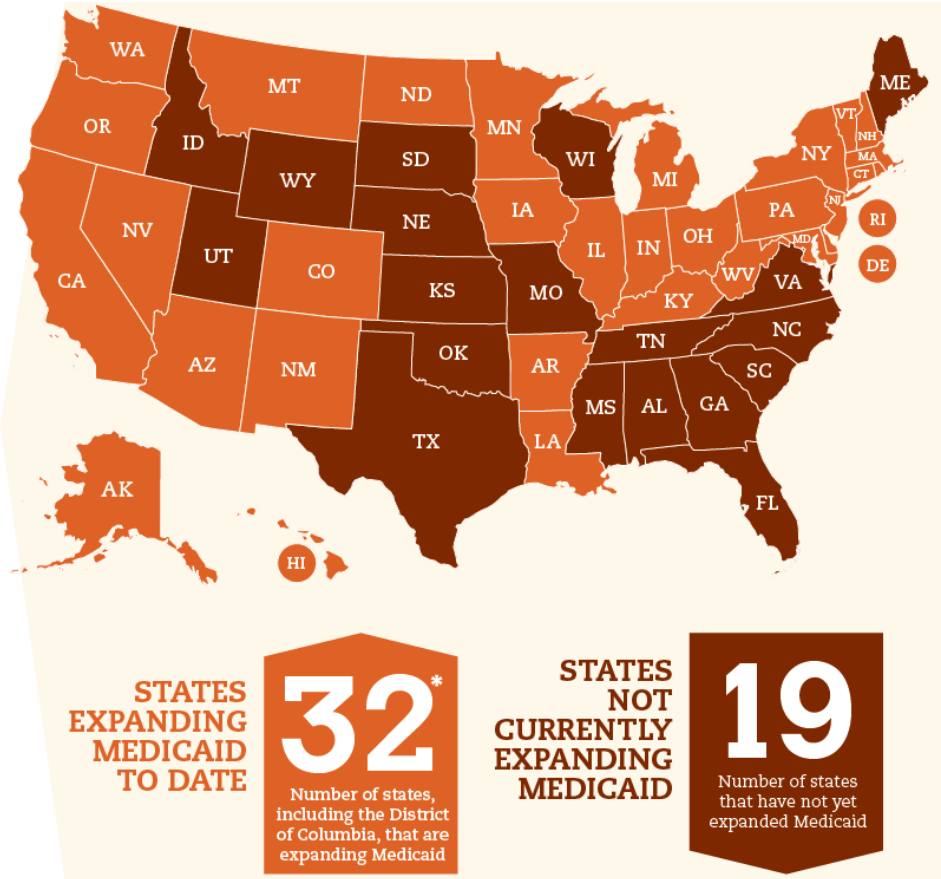
Where people are born, live, work, play, worship, and age affect their health and quality of life

Your zip code determines more of your health than your genetic code, for most people

Availability and access to quality resources

Improving health = Improving health equity

Medicaid Expansion & Flexibility



We can make the link between health and outdoors **explicit**



Closer, safer, cleaner greenspace increases physical activity



Time outdoors improves mental health



Planting trees strengthens social cohesion



Trees clean air

...But we know **there are inequities** in both health and access to the outdoors

Progress will depend on working partnerships between **champions for health and champions for the outdoors**

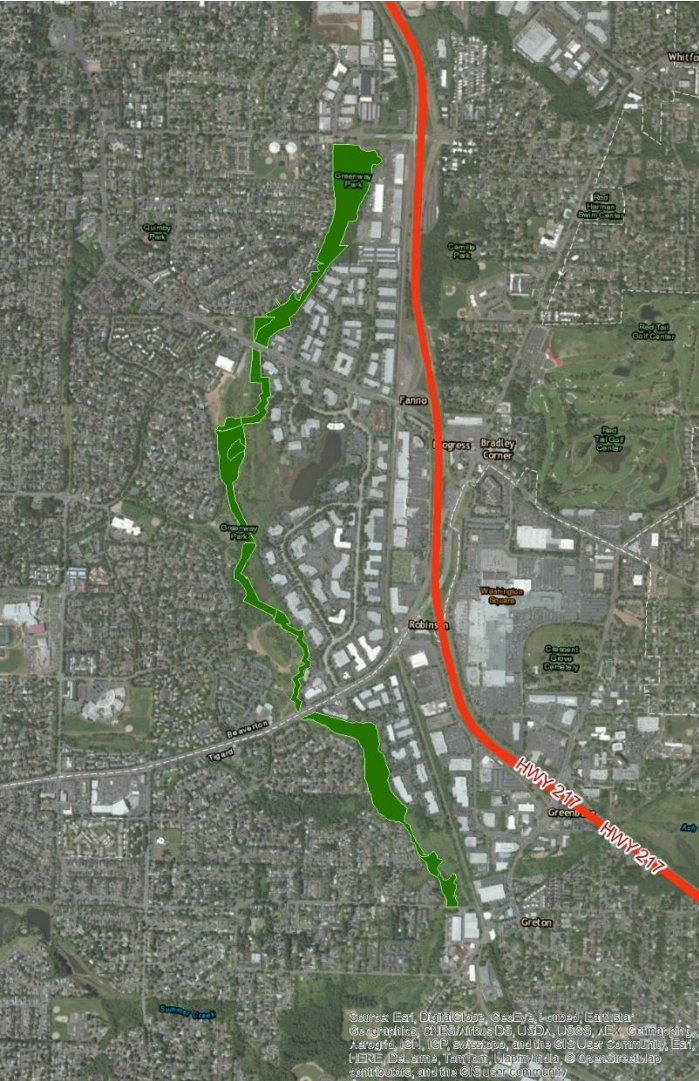
The Tools to Quantify Health Return on Investment



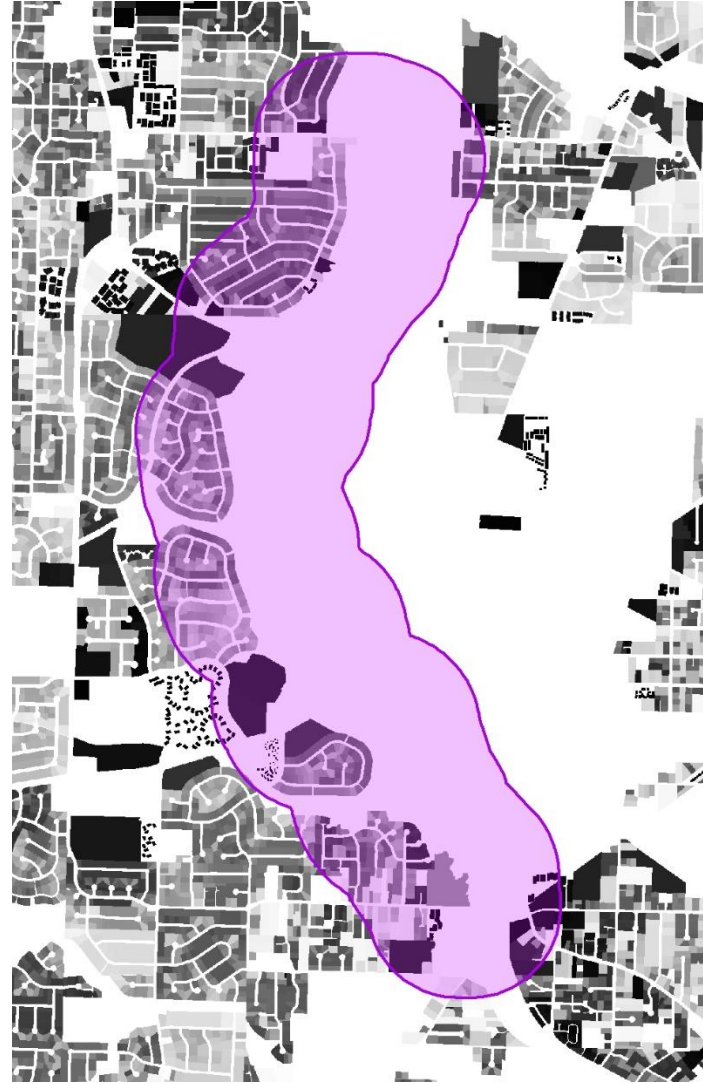
- Commitment to equity and community leadership;
- Predictive models and decisionmaking tools;
- Better coordination; and
- National confirmation and research investment.

The Tools to Quantify Health Return on Investment

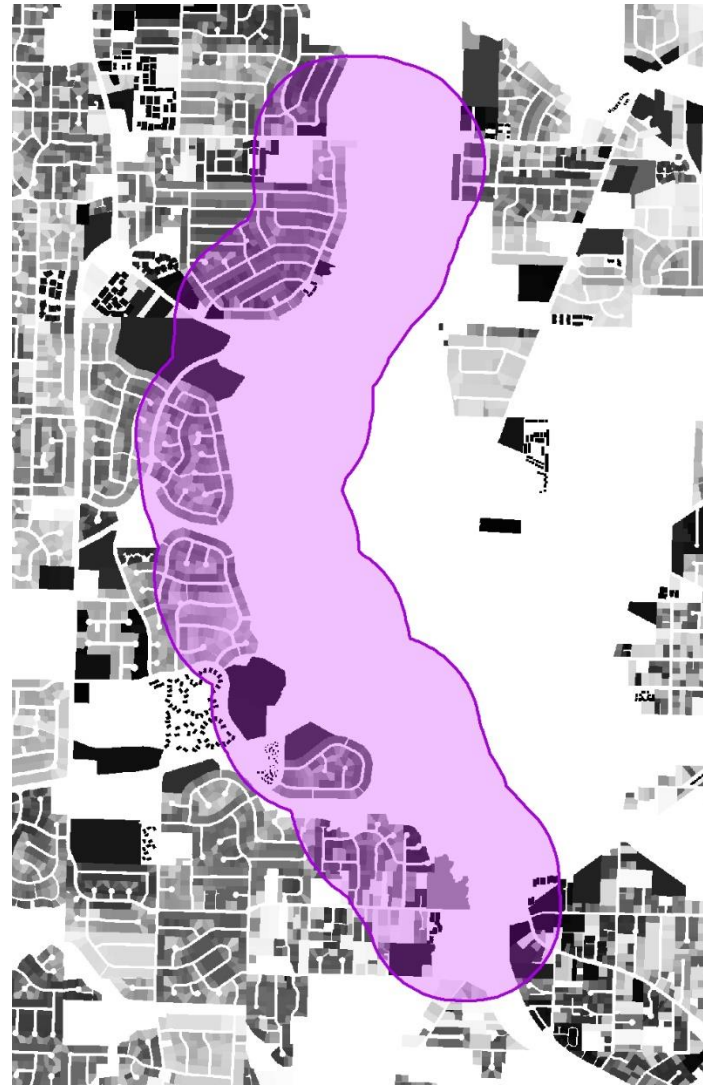
An Example Air Quality



Area of Influence
overlaying Dasymetric
Population Map



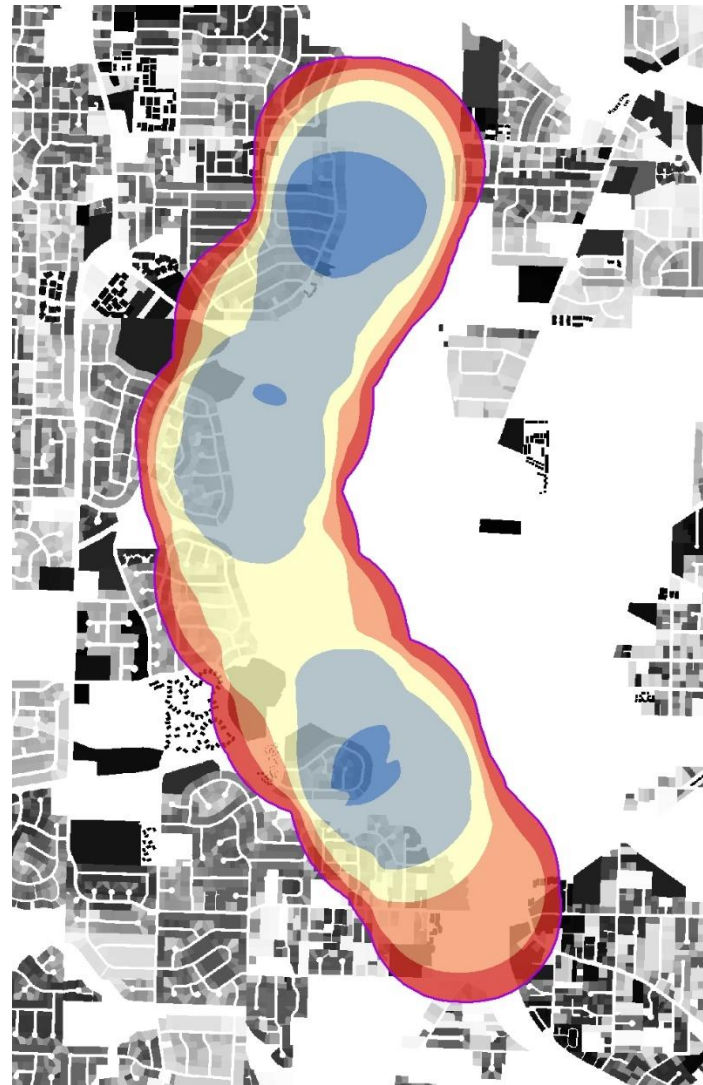
Area of Influence
overlaying Dasymetric
Population Map



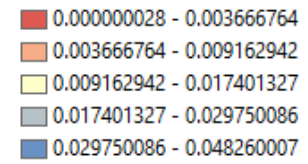
Total Population within
Area of Interest:

5739

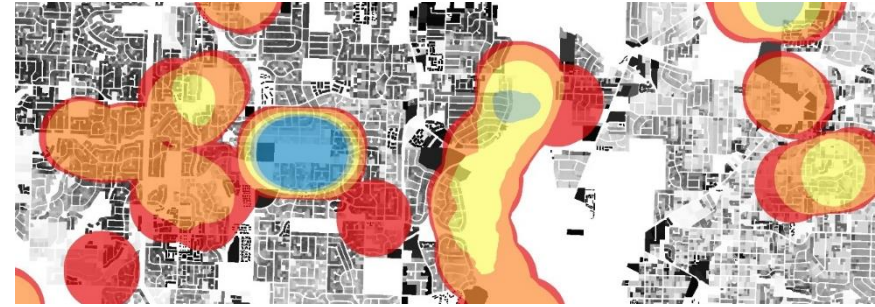
NO₂ppb reduction data
overlaying Dasymetric
Population Map



NO₂ Reduction (ppb)



The economic value of air quality



Plantings will generate **>\$700,000 in health care savings** over 35 years from the date of planting.

Health Effect	Annual value at tree maturity
Acute Respiratory Symptoms	\$3,502
Asthma Exacerbation, Missed School Days	\$4,243
Asthma Exacerbation, Nighttime Asthma	\$8,538
Asthma Exacerbation, One or More Symptoms	\$22,475
Emergency Room Visits, Asthma	\$39
HA, All Respiratory	\$1,889
Annual TOTAL	\$40,686

*These numbers do not include reduced exposure to airborne particulates or toxics;
Or the increased numbers of people benefitted through population growth

An Oregon Action Framework for Health and the Outdoors

Let's talk more!

Cochran@willamettepartnership.org



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