

## Regional Barometer - Draft Phase 1 measures Date: 6.4.2019

### Safe and reliable transportation

Outcome	Indicator	Measure	Source
Safe and reliable transportation	Safety	Fatalities (people)	ODOT Crash Data Annual with 1-1.5 year lag time (i.e. 2015 data available sometime in 2016 or early 2017)
		Fatality rate (people per 100K pop)	
		Serious injury (people)	
		Serious injury rate (people per 100K pop)	
		Non-motorized fatalities and serious injuries (people)	
	Mobility and access	Vehicle miles traveled	ODOT and Research center
		Walking mode share	American Community Survey
		Biking mode share	
		Transit mode share	
		Shared ride mode share	
		Number and share of jobs within 1/4-mile of bus	InfoUSA points and RLIS Transit Data
		Number and share of jobs and households within ½ mile high capacity transit or frequent service transit	
		Number and share of jobs and households within 1/4-mile of bus	
	Ridership by service type (regionally)	TriMet	
	Reliability	National highway system vehicle travel reliability	Regional Integrated Transportation Information System (RITIS) + INRIX
		Vehicle hours of delay per car	Regional Integrated Transportation Information System (RITIS) + INRIX
Public transit reliability		TriMet	

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### Economic competitiveness

Outcome	Indicator	Measure	Source
Economic competitiveness	Job activity and access	Raw # of jobs	InfoUSA
		High/middle/low wage jobs	LEHD Census
		Goods-producing and tradable service jobs	InfoUSA
		10 year change in jobs	LEHD/LODES
		Opportunity occupations (living-wage, low-barrier)	LEHD jobs + workforce data
		High/mid and low wage jobs by county	LEHD jobs + workforce data
	Equity and inclusivity	Unemployment by race	American Community Survey 5-year estimates
		Income by race	
		Poverty level	
		Income inequality	
		Change in median income by race	
		Minority owned small business rate	American Survey of Entrepreneurs
	Developability and Market activity	Industrial and commercial sq. ft.	RLIS and Clark Co Building Footprints and Zoning Layers
		Zoned capacity	RLIS and Clark Co Building Footprints and Zoning Layers
		Property value/unaffordability	County Assessors (RLIS and Clark Co GIS)
		Permit activity (residential)	Construction Monitor

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### Clean air, water and healthy ecosystems

Outcome	Indicator	Measure	Source
Clean air, water and healthy ecosystems	Air quality	# of unhealthy air quality days	Department of Environmental Quality
		Asthma rates (Total and change in)	Oregon health authority
		National-Scale Air Toxics Assessment (NATA) air toxics cancer risk	US EPA National Air Toxics Assessment
		NATA respiratory hazard index	US EPA National Air Toxics Assessment
		Particulate matter	EPA, Office of Air and Radiation (OAR) fusion of model and monitor data.
		Traffic proximity and volume	Calculated from 2014 U.S. Department of Transportation (DOT) traffic data, retrieved 2016
		NATA diesel PM	US EPA National Air Toxics Assessment
		Ozone	US EPA Office of Air and Radiation fusion of model and monitor data
	Built environment	Impervious surfaces	LIDAR
		Lead paint + Radon indicator	Calculated based on Census/American Community Survey (ACS) data, retrieved 2018; Radon data from Oregon Health Authority
	Clean water and healthy ecosystems	Water quality index	Department of Environmental Quality - Biannual assessment
		Parks and Protected land (as defined by ORCA)	Metro
		Habitat continuity	LIDAR
		Tree canopy	LIDAR

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### Leadership on climate change

Outcome	Indicator	Measure	Source
Leadership on climate change	Emissions and waste	Greenhouse gas inventory, consumption-based and sector-based	Using most recent consumption-based data, with an eye to potential future investment in updated model
		Total waste generated	Metro PES
		Avoided GHGs Resulting from Material Recovery	Metro PES
	Climate smart transportation	Daily vehicle miles per capita	Regional Transportation Plan
		Vehicle emissions	Regional Transportation Plan
		Walking mode share	American Community Survey Data on Journey to Work
		Biking mode share	American Community Survey Data on Journey to Work
		Transit mode share	American Community Survey Data on Journey to Work
		Shared ride mode share	American Community Survey Data on Journey to Work
	Community impact	Heat Islands	Portland State University
		Flooding risk	Portland State University
		Heat Vulnerability Index	Portland State University
		Canopy cover/carbon sink	LIDAR
	Energy and urban form	Walkability	Regional Transportation Plan
		Infill development	Regional Transportation Plan
		Residential development	Regional Transportation Plan
		Inefficient home heating	American Community Survey
		Sq. ft. per resident	RLIS

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### Vibrant Communities

Outcome	Indicator	Measure	Source
Transportation		Multimodal travel	American Community Survey
		Frequent transit access	RLIS Transit Data
Economic		Unemployment	ACS and InfoUSA
		Jobs access	
		Poverty	
Housing	Displacement and houselessness	Homelessness (rate per 10,000 people, one night shelter and street counts)	Counties
		Household tenure by race	American Community Survey
		Change in % POC	American Community Survey
		Housing cost burden (by race)	American Community Survey
	Homeownership	Homeownership by race	American Community Survey
		(compare to income by race)	Metro Research Center
	Rental	Median rental cost (two bedroom units, others)	
		Residential vacancy rates	
	Affordable housing	Shortfall or surplus of 2 bedroom apartments	
		yearly change)	
Health	Communicable diseases	Sexually transmitted diseases	Oregon Health Authority
		Pertussis (whooping cough)	
		Enteric diseases (e. Coli, salmonella, shigella)	
		Tuberculosis	
		Strep	
		Vaccine rate	
	Chronic diseases	Youth tobacco and alcohol exposure/marketing	
		Accessibility to tobacco and alcohol	
		Exposure to unhealthy food options	
		Depression rate	
	Environmental health	Asthma	
		Heart attacks	
		Radon risk	
		BMI (obesity)	
	Health care	Life expectancy at birth	
		Access to health care	
		Uninsured rate	
		Under-insurance rate	

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**Vibrant Communities**

Outcome	Indicator	Measure	Source
Food	Food access	SNAP usage	Federal databases
	Access to unhealthy food	# of fast food restaurants per 1,000 population	Oregon health authority
		# of fast food restaurants within 1000 ft. of a	
Education	Early education	Regional supply/shortage of child care	Oregon Department of Education
		Pre-K assessment data (kindergarten preparedness)	
	Educational outcomes	Standardized test scores	
		High school graduation rate	
		College going rates	
		Attendance	
	School capacity	Staffing level per student	
Diversity of teachers			
Land Use	Transportation	Walk score	WalkScore
		Urban density with light rail and frequent transit stop overlay	Metro Research Center
		Planned investment in transportation improvements in centers overall and as a percentage of overall transportation investments	
	Development	Number of new housing permits	
		% of permits that fall in designated centers and corridors	
		# of permits for missing middle-type housing	
		% of new permits located within .25 miles of frequent service transit	Metro Research Center
		% of new permits that are redevelopment or infill vs % of new permits located in UGH expansion areas	
Parks and Nature	Access to parks and green space	Metro Research Center	
	Acres of parks and protected green space		
	# of new acres of protected lands developed		
Restorative justice	Hate crimes, location and rate	FBI	
	Adult incarceration, probation and parole by	Oregon Department of Corrections	
	Juvenile and adult recidivism	Oregon Department of Corrections	
	Oregonians by race and frequency of traffic stops, search following stops in the last 12 months	Law Enforcement Contacts Policy Data and Review Committee, 2007	
Civic and community engagement	Voter registration and participation by race and ethnicity	Counties	

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### Equity

Baseline dimension	Measure	Source
Transportation	Fatalities (people)	ODOT
	Number and share of jobs and households within 1/4-mile of bus	Regional Transportation Plan
	Number and share of jobs and households within 1/2-mile of high capacity transit or frequent service transit	Regional Transportation Plan
Economic	High/mid and low wage job access in 30 min car/transit (AM)	Info USA
	Unemployment by race	American Community Survey
	Income by race	American Community Survey
	Poverty level	American Community Survey
Housing	Change in % people of color	American Community Survey
	Income needed to afford rents (compare to income by race)	American Community Survey
	Inventory of public affordable units (total and yearly change)	Metro data set
	Homeownership by race	American Community Survey
	% change median rent vs % change in income of renters	American Community Survey
Health	Sexually transmitted diseases	Oregon Health Authority
	Youth tobacco and alcohol exposure/marketing	
	Accessibility to tobacco and alcohol	
	BMI (obesity)	
	Life expectancy at birth	
	Under-insured rates	
Food	# of fast food restaurants per 1,000 population	Oregon Health Authority
	SNAP usage	Federal databases

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### Equity

Baseline dimension	Measure	Source
Education	Pre-K assessment data (kindergarten preparedness)	Oregon Department of Education
	High school graduation rate	
	College going rates	
	Staffing-level per school	
	Diversity of teachers and staff	
Civic and community engagement	Voter registration and participation by race and ethnicity	Counties
Environ- mental	Air toxics cancer risk	US EPA National Air Toxics Assessment
	Asthma rates	Oregon health authority
	Traffic proximity and volume	Calculated from 2014 U.S. Department of Transportation (DOT) traffic data, retrieved 2016
	Tree canopy	LIDAR
	Parks and Protected land (as defined by ORCA)	Metro
Restorative justice	Hate crimes, location and rate	FBI
	Adult incarceration, probation and parole by race.	Oregon Department of Corrections
	High school discipline rates (by race/school)	Oregon Department of Corrections
	Juvenile Recidivism	Oregon Juvenile Justice Information System, annually
	Oregonians by race and frequency of traffic stops, search following stops in the last 12 months	Law Enforcement Contacts Policy Data and Review Committee, 2007