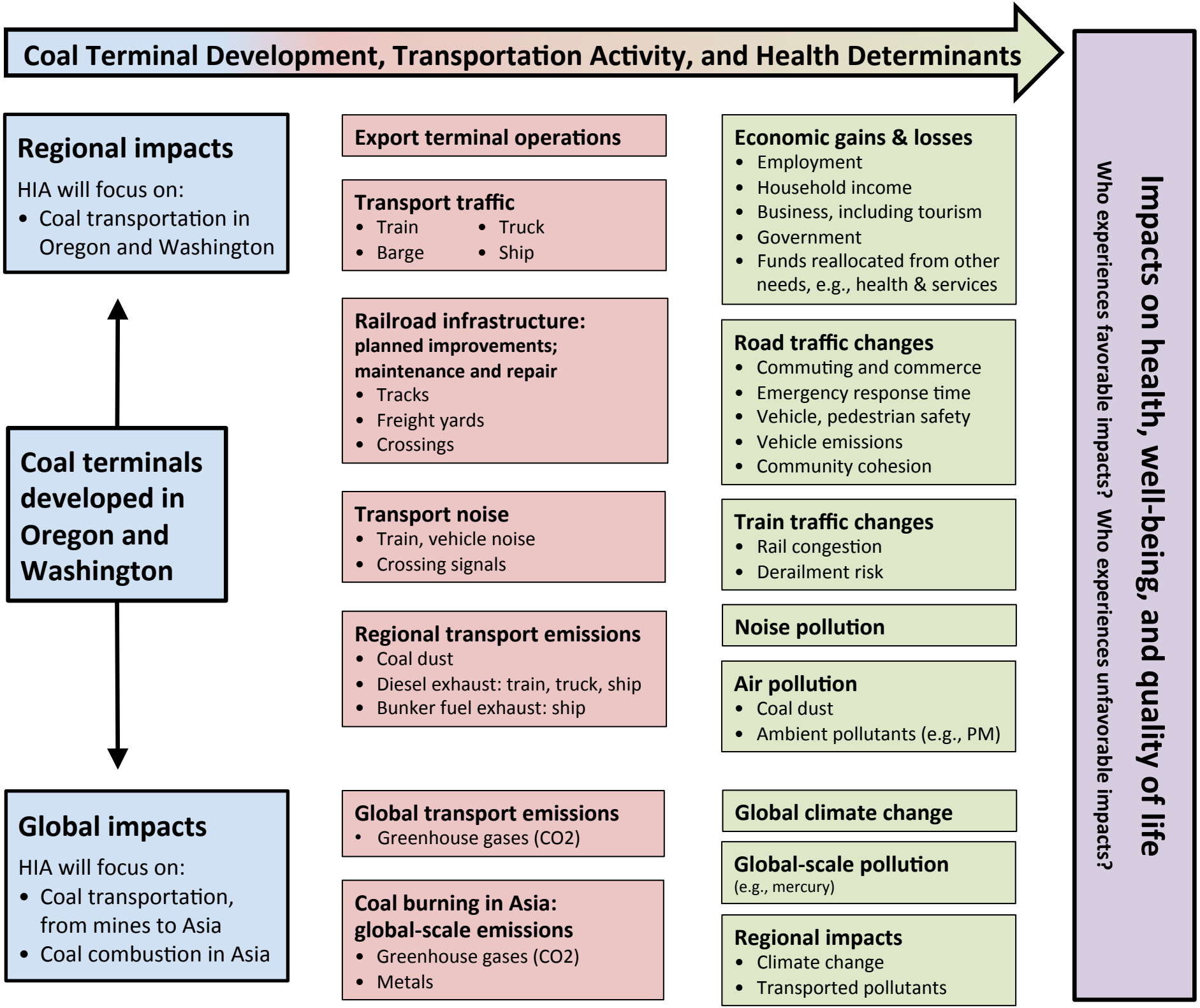
Coal Terminal Development, Transportation Activity, and Health Determinants
Regional impacts
HIA will focus on:
• Coal transportation in Oregon and Washington
Coal terminals developed in Oregon and Washington
Global impacts
HIA will focus on:
• Coal transportation, from mines to Asia
• Coal combustion in Asia
Export terminal operations
Transport traffic
• Train
• Truck
• Barge
• Ship
Railroad infrastructure: planned improvements; maintenance and repair
• Tracks
• Freight yards
• Crossings
Transport noise
• Train, vehicle noise
• Crossing signals
Regional transport emissions
• Coal dust
• Diesel exhaust: train, truck, ship
• Bunker fuel exhaust: ship
Global transport emissions
• Greenhouse gases (CO2)
Coal burning in Asia: global-scale emissions
• Greenhouse gases (CO2)
• Metals
Economic gains & losses
• Employment
• Household income
• Business, including tourism
• Government
• Funds reallocated from other needs, e.g., health & services
Road traffic changes
• Commuting and commerce
• Emergency response time
• Vehicle, pedestrian safety
• Vehicle emissions
• Community cohesion
Train traffic changes
• Rail congestion
• Derailment risk
Noise pollution
Air pollution
• Coal dust
• Ambient pollutants (e.g., PM)
Global climate change
Global-scale pollution
(e.g., mercury)
Regional impacts
• Climate change
• Transported pollutants
Impacts on health, well-being, and quality of life
Who experiences favorable impacts? Who experiences unfavorable impacts?