

Community-Focused Exposure and Risk Screening Tool (C-FERST)



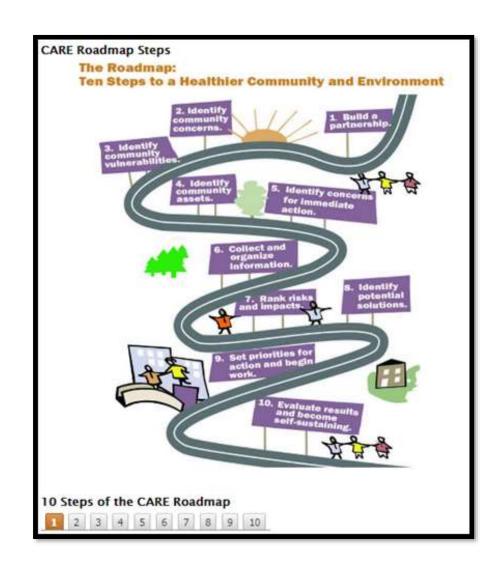
EPA ORD in partnership with ECOS and ASTHO

Office of Research and Development



What is C-FERST?

- A web-based "toolkit" of information
- Community maps show
 - environmental data
 - public health data
 - socioeconomic indicators
- Guide to help community assessments





Why C-FERST Was Created

- As a response to community needs
- To support communities, especially those with Environmental Justice concerns





CFERST Can Be Used By

A Broad Range of Users



Government: Local, State, Tribal & Federal



Professionals & Academics

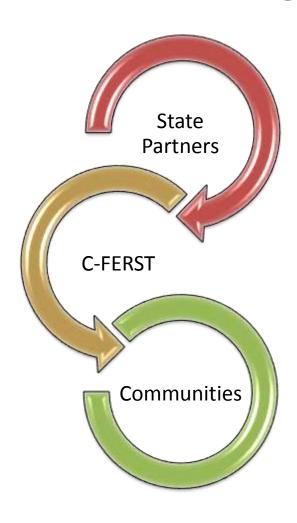


Public: Leaders & Organizations

In Partnership - Learning and Working Together



C-FERST Collaboration with States



- ECOS and ASTHO assisted with developing an engagement strategy and communications materials for C-FERST roll-out (Sept 2016)
- ☐ EPA working with CDC and ASTHO to add health data to C-FERST (ongoing)
- ☐ EPA providing web-based "Train the Trainer" for states (July 26)
- ☐ EPA and state partner plan to initiate new C-FERST pilot (this summer)



Example: Service First University (Portland, Oregon)

- Partnered with Perfect Start, K-8th grade school
- Assessment of environmental concerns
 - Children's health within the school area
- Recommendations report





Concerns

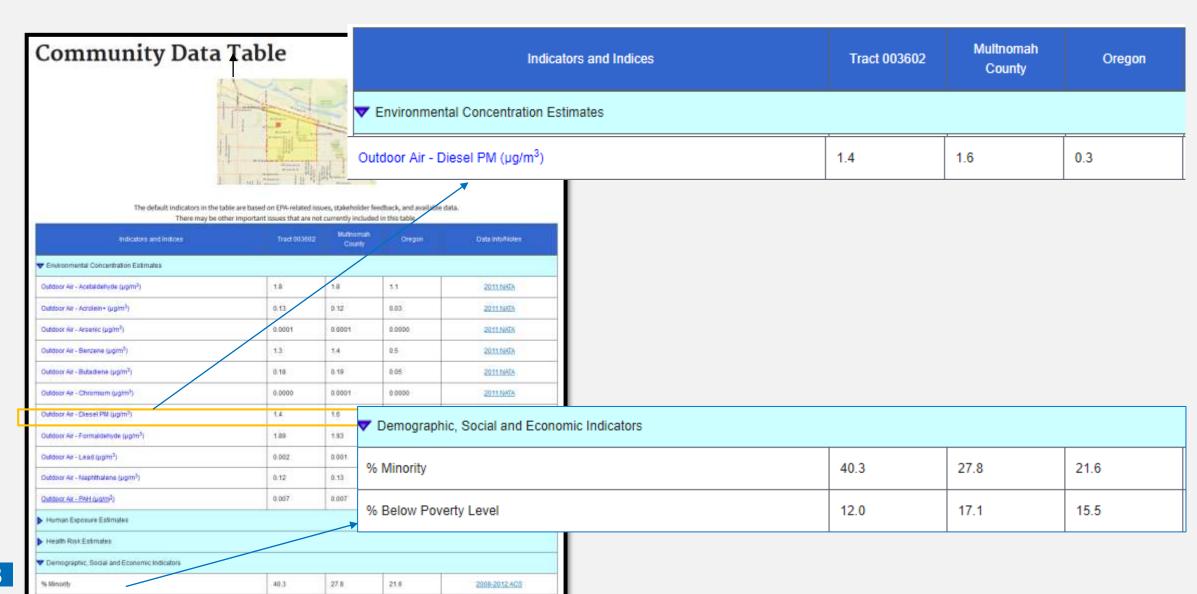




- -38% below poverty level
- -90% in publichousing, trailer parks orare homeless
- -Students miss school a lot



Collect Data in C-FERST



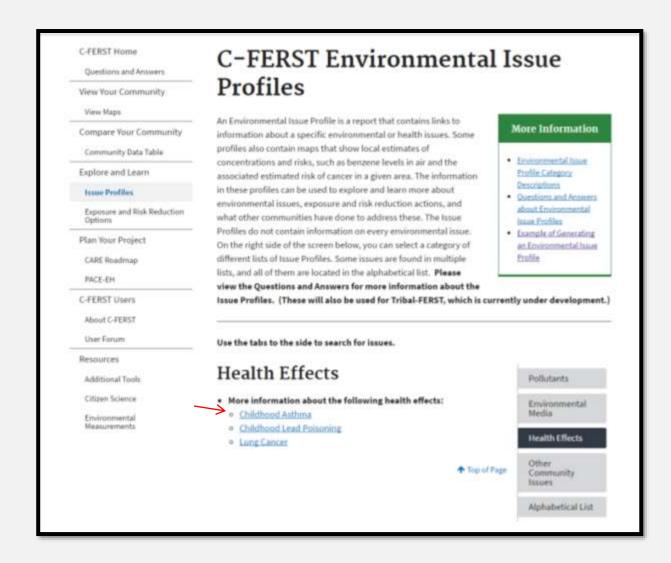
2008-2012 ACS

17.1

% Below Poverty Level



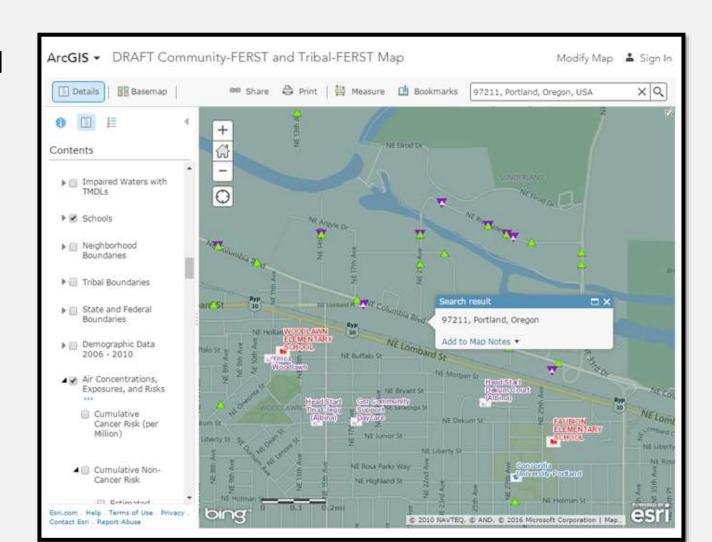
Narrow Research Focus





Create Maps to Visualize Environmental Concerns

- Visual aids show the environmental concerns
- Produced maps that show:
 - Air Concentrations, Exposures and Risks
 - Schools
 - Demographic Data
 - EPA Registered Facilities





How Other Communities Responded to Childhood Asthma

Strategies Implemented By Other Communities

- <u>Colorado: Groundwork Denver / Healthy Air for Northeast Denver</u> Fact Sheet and Final Report
- · Connecticut: New Haven City Government Summary and New Haven's Green map
- Indiana: Gary CARE Partnership Project Final Report
- Arizona: Community Assist of Southern Arizona and the Sonora Environmental Research Institute - Final Report
- . Michigan: Muskegon County Environmental Coordinating Council Final Report
- Missouri: Grace Hill Settlement House, St. Louis Fact Sheet and Final Report
- . Montana: Montana Indian Country CARE Project Final Report
- New York: Center of Environmental Information Fact Sheet and Final Report
- Michigan: West Michigan Environmental Action Education Foundation Summary
- Michigan: Healthy Homes-Healthy Business Project Summary
- Spotlight on Tulalip Tribes of Washington's Innovative Tribal Program for Healthy Homes
 Working Group

- Bois Forte Indoor Air Quality Program
- U.S. EPA and Imperial Valley Communities Tackle Childhood Asthma



Summary: Benefits

- Shared results of study with community
- Assessed environmental concerns in community
- Highlighted EJ concerns to be considered in school expansion: Children's exposure to Diesel PM on school bus route.



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