Health Impact Assessment
Farm to School & School Gardens
Oregon HB 2800
Assessment
Summary General F2SSG HB 2800 Policy Outcomes

Short-term or Direct Impacts → Intermediate → Long-term or Indirect Impacts

- Reimburse School Districts
  - ↑ School district demand and purchase of Oregon food
  - ↑ Staff knowledge and skills about food, farming & health
  - ↑ Educational programming on nutrition, food, garden and agriculture

- Assist & Promote School Purchase of Oregon Food
  - ↑ Staff knowledge and skills about food, farming & health

- Assist, Develop, & Promote Food, Nutrition, Garden & Agriculture Education
  - ↑ Educational programming on nutrition, food, garden and agriculture

- Assist, Develop, & Promote Food, Nutrition, Garden & Agriculture Education
  - ↑ Educational programming on nutrition, food, garden and agriculture

- ↑ School menu options
  - ↑ Youth preferences for fruits & vegetables
  - ↑ Gardens and garden participants

- Food sector employment
  - ↑ Farm alternative agriculture practices
  - ↑ Relationships between farmers and schools; among students

- Employment Outcomes
  - Environmental Health Outcomes
  - Social Capital Outcomes
  - Diet & Nutrition Outcomes
  - F2SSG K-12 Education Program Outcomes

Upstream Public Health
Human Impact Partners
Methods – Literature Review and Data Access

- Inclusion: Studies from peer reviewed and gray literature for each pathway; ~1990-2010; US, Europe and Australia,
- F2SSG and Diet/Nutrition: K-12th grade in-school programs
- Search terms for each pathway
- Searches in multiple databases, tracked
- Scoring criteria to rate evidence quality
- Evidence rating based on quality, quantity and consistency of findings
- Used HIA Report Guide 2010 from HIP to develop Impact Analysis
- Secondary data access for context #’s
Methods - Employment

- Request data from Sodexo
- Request data from PPS/Gervais data (permission granted from schools and Ecotrust – thanks!)
- IMPLAN input-output economic analysis

Stay tuned....
Policy Components

Diet & Nutrition Highlights
Short-term or Direct Impacts → Intermediate → Long-term or Indirect Impacts

Reimburse School Districts

Δ School menu options

↑ Youth consumption of fruits and vegetables

Δ Youth diet and nutrition

↑ Youth in National meal programs

↑ Youth educational attainment

↑ Youth learning outcomes

↓ Overweight and obesity

↓ Food
Diet and Nutrition

Food Insecurity

- 13.8% F.I. households, 7% with V.L.F.S. (2006-08, ACS)
  - 1 in 5 non-metro households with 2 adults and children F.I.
  - 1 in 10 metro households (2002-04 ACS data)
- Families with children more likely to be F.I.
  - 19.4% children in poverty in 2009 (USDA ERS)

HB 2800 IMPACT:

- ↑ meal participation
- ↓ food insecurity for families with children
Diet and Nutrition – Draft Policy Recommendations

*To target food insecurity:*
Policy R# 2 Criteria for Prioritizing Grants
  - Low Income populations

*To target child diet, nutrition, food preferences, overweight/obesity and learning:*
Policy R#3 Criteria for Prioritizing Grants
  - Education,
  - Promotion,
  - Procurement
  - Community Support
Diet and Nutrition

School Meal Programs; Student Learning
• 48.9% - children eligible for free/reduced lunches (2009-10, ODE)
• From 2005 to 2010 # of student eligible for free lunch ↑ 20% (ODE)

Overweight and Obesity
23.6% 11th graders
26.6% 8th graders (2009, OHTS)

HB 2800 IMPACT:
• ↑ meal participation
• ↑ student learning, achievement

HB 2800 IMPACT:
• ↑ physical activity
• ↑ fruit and vegetable consumption
• ↓ Small - moderate reduction in overweight and obesity
Diet and Nutrition Draft
Operations Recommendations

To target child diet, nutrition, food preferences, overweight/obesity and learning:

#4 ODE offer trainings to increase use of salad bars

#8 The Oregon Health Authority and others collaborate to conduct research on health outcomes re: F2SSG

#9 Existing programs (e.g. Oregon 4-H, Oregon Master Gardeners) collaborate to support gardens with existing resources