



The Low Income Survey and Testing (LIST) project

Biomonitoring among Residents of Subsidized Housing in King County

Biomonitoring Advisory Committee Meeting

October 10, 2013

WADOH Public Health Laboratories

The Low Income Survey & Testing (LIST) project

- Objectives:
 - To measure bisphenol A, phthalates and pesticides in urine samples from a low income population
 - Target women of childbearing age and children
 - Assess sources of exposures via questionnaire data
- Use of Results:
 - Compare to state and national levels
 - Use results about sources for prevention activities
- Project Selection:
 - Feasible for lab to develop new method
 - Ranked high by Advisory Committee

Identifying Population

- Renton and Seattle Housing Authorities
 - Target audience
 - Mailing addresses
 - Strategies/logistics for recruiting
 - Information: pesticide use and building materials
 - Interested in finding out results & prevention efforts
 - Community Builders
- Other partners
 - Neighborhood House: The Voice newspaper
- Minimize field costs & travel - King County

Recruitment

- May 2013 – April 2014
- Up to 1000 participants
- Subsidized units at RHA & SHA
- Eligibility
 - women & girls ages 6-44
 - men & boys ages 6-19
- Translations – Interpretation
- Mailings
- Visit residents door to door
- Community events
- Field work contractor: Chesterfield Services

Data Collection

- Participants provide
 - 2 urine samples
 - evening and next morning (1st void)
 - samples put in freezer
 - interview questionnaire
 - household income
 - pesticide use
 - household hazardous waste (PHSKC questions)
 - self-administered questionnaire
 - demographics
 - diet
 - product use

Data Collection

- Urine samples
 - PHL on dry ice
 - Analytes:
 - total BPA
 - 10 phthalates
 - 4 pyrethroid metabolites
 - 1 OP metabolite (TCPy)
 - 5 year storage
 - Results not reported to participants
- Property information
 - Pesticide use records and building materials provided by Housing Authority

Progress

- Completed recruitment
 - All Renton HA properties
 - 1 Seattle HA community (Yesler Terrace)
- Currently recruiting at High Point
- A total of ~200 participants recruited so far
- Pesticide use & building material information
 - Collected from Renton HA
 - Pending for Yesler Terrace

Field and Lab Staff

