

Preconception Pesticide Exposure Risk Assessment in the Clinical Setting – or, It Takes a Village...

CHE Presentation

10/3/13

Project Inception

- Planned Parenthood Mar Monte (PPMM) had been looking for a project that would highlight the growing focus on environmental health and how it intersects with reproductive health.
- PPMM serves a number of agricultural communities in California.
- PPMM's Watsonville Health Center is representative of the agricultural communities they serve – and there were stories...



Inception (continued)

- PPM applied for a community networking grant offered by the Community Clinics Initiative (CCI), a jointly funded effort of Tides Foundation and The California Endowment



- Proposed convening a community-based collaborative to review data on pesticide exposure and its effects on the reproductive health of farmworkers in the Pajaro Valley of California; the collaborative would then make recommendations for action
- Received awards for four years to assess the community, implement its recommendations, and report findings

Planned Parenthood Mar Monte Watsonville Health Center



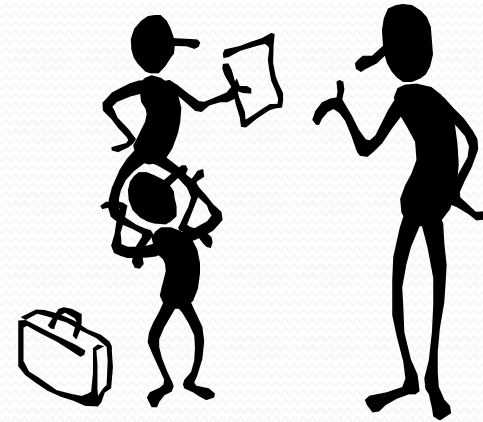
Watsonville Health Center (continued)

- In 2011, served 6762 clients in 15,796 visits*
- 696 clients officially identified as “seasonal agricultural and migratory workers” – may actually be more
- 76% of clients are Hispanic
- 64% are below 100% of federal poverty level
- About 1000 are linked to the local MediCal (Medicaid) capitation agency, the Central California Alliance for Health

*data from 2011 CA OSHPD report (state annual utilization report)

Pajaro Valley Health Action Team Stakeholders

- Agribusiness
- Farmworkers
- Farmworker advocates
- Environmental health workers
- Public health workers
- Academia
- Pesticide activists
- Plus representatives of local elected officials



Collaborative Agency List

- Agricultural Personnel Management Association
- Poder Popular
- Health Improvement Partnership of Santa Cruz County
- Elkhorn Packing
- Grower-Shipper Association
- Women's Fund of Monterey County
- Monterey County Health Department
- Santa Cruz County Health Department
- Pajaro Valley Community Health Trust
- Californians for Pesticide Reform
- Central Coast Ag Task Force
- Pesticide Action Network
- Lideres Campesinas
- California Rural Legal Assistance, Salinas and Watsonville
- La Manzana, Community Bridges, Watsonville
- United Farm Workers
- Salud Para La Gente
- American Cancer Society
- Santa Cruz County Farm Bureau (later left collaborative)
- SoilServ (aerial pesticide applicators)
- Live Earth Farm
- Monterey County Farm Bureau
- California Strawberry Commission
- California State University, Monterey Bay
- Clinica de Salud del Valle de Salinas
- Health Initiative of the Americas
- CHAMACOS
- Monterey and Santa Cruz County Ag Commissioners
- WorkSafe
- UCSF Program on Reproductive Health and the Environment
- Watsonville Law Center
- Individual farmworkers
- And representatives from the following elected officials:
 - City of Watsonville Mayor's office
 - Santa Cruz County Supervisory District 4
 - Monterey County Supervisory District 2
 - CA Assembly District 27
 - CA Congressional District 17

A word about CHAMACOS...



www.cerch.org/research-programs/chamacos



Collaborative Recommendations

- PPMW worked on three strategies based on recommendations:
 - **Partner with data source (CHAMACOS) to advance their findings w/PPMM advocacy**
 - **Develop social marketing tools re pesticides**
 - **Create a pesticide exposure risk assessment for use in health centers**

Don't Spoil a Healthy Relationship



**by forgetting to wash your
fruits and veggies before eating them**

Did you know that pesticide residue may be present on the produce you buy at the market? Planned Parenthood Mar Monte encourages you to live a healthy lifestyle by making informed choices—not only about your sexual and reproductive health, but about your general health, as well. Learn more about pesticides and the potential health risks related to pesticide exposure from the Pesticide Action Network at www.panna.org and the Environmental Working Group at www.foodnews.org.

No Estropee una Relación Saludable



**olvidándose de lavar
sus frutas y verduras antes de comerlas**

¿Sabía que tal vez haya residuos de los pesticidas en las verduras y frutas que compra en el mercado? Planned Parenthood Mar Monte le anima a vivir un estilo de vida saludable, tomando decisiones informadas—no sólo con respecto a su salud sexual y reproductiva, sino también con respecto a su salud general. Aprenda más sobre los pesticidas y los riesgos potenciales a la salud relacionados con la exposición a los pesticidas de la Red de acción sobre los pesticidas (Pesticide Action Network) en www.panna.org

Developing risk assessment

- Partnered with Migrant Clinicians Network out of Austin, TX



- Also had input from:
 - CA Department of Pesticide Regulation (DPR)
 - CA Department of Public Health (DPH)
 - CA Office of Environmental Health Hazard Assessment (OEHHA)
 - PPMM Medical Management

Pesticide Exposure Risk Assessment

Screening for Pesticide Exposure (for women who want to get pregnant in the next year)

Date: _____ DOB: _____ Name: _____

S: Type of work:

- In the fields – crop(s): _____
- Packing produce
- Nursery
- “Floreria” – cutting flowers, making bouquets, etc.
- Other work: _____

Types of work of others in household:

- In the fields – crop(s): _____
- Packing produce
- Nursery
- “Floreria” – cutting flowers, making bouquets, etc.
- Other work: _____

Lives in an area near agricultural fields or farms: Yes No

Now uses or previously used pesticides, solvents, or other chemicals, at work or home: Yes No

Names of chemicals if known: _____

Has health problems she thinks are related to agricultural work: Yes No _____

O:

- No signs of acute exposure
- Possible signs of acute exposure:

General: _____

Skin: _____

Respiratory: _____

A:

- At risk for pesticide exposure due to occupation
- Not at risk for pesticide exposure due to occupation
- Possible acute pesticide related illness

P:

- Patient education on reducing exposure (CHAMACOS handouts)
 - For workers
 - For people who live near fields
- Referral to _____ for evaluation of possible acute symptoms
- Consultation with _____
- Pesticide illness report made _____

Next steps

- Trained staff & implemented pesticide exposure risk assessment 3/16/11 to 1/31/12
 - 81 women assessed in pilot
 - 84% qualified for educational intervention (68 women)



Resources

- PPMW website: www.ppmarmonte.org
- CHAMACOS:
www.cerch.org/research-programs/chamacos
- Migrant Clinicians Network:
www.migrantclinician.org