

**Endocrine Disruptors and Women and Children's Health:
Lessons from the
CHAMACOS and
Seveso Women's Health Studies**

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CHAMACOS and SWHS: *Similarities*

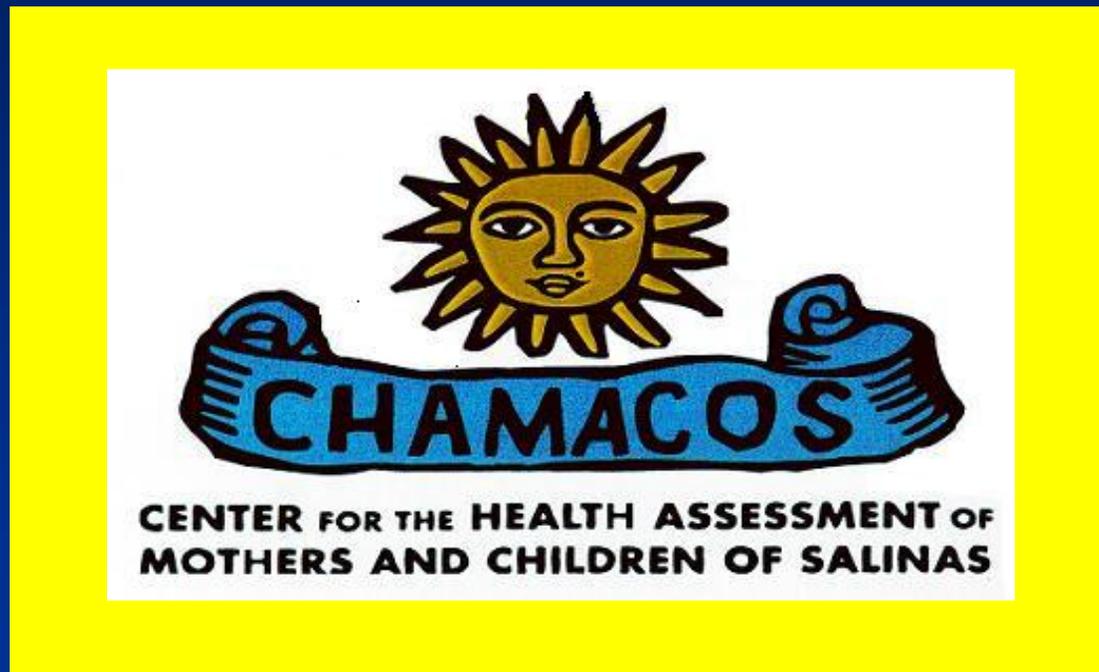
- **Both are prospective cohort studies of more highly exposed populations**
- **Both use biomarkers of exposure**
- **Both study multiple health outcomes**

CHAMACOS and SWHS: *Differences*

- **CHAMACOS focuses on children's health;
SWHS focuses on women's health**
- **CHAMACOS studies pesticides;
SWHS studies TCDD (dioxin)**
- **CHAMACOS population: Mexican farmworker;
SWHS population: Residents near Seveso, Italy**

Center for the Health Assessment of Mothers and Children of Salinas

1998 - present





Objectives

- To estimate sources, pathways and levels of ***in utero* and postnatal pesticide exposures** of children living in an agricultural community.
- To determine the relationship of pesticide exposure and:
 - **neurodevelopment**
 - **growth**
 - **respiratory disease**
- To understand the **mechanisms** of pesticides in humans
- To **reduce exposure** of children to pesticides with interventions and community outreach.