

Disclosure and Disclaimer

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Disclosure: We have no real or perceived vested interests that relate to this presentation nor do we have any relationships with pharmaceutical companies, biomedical device manufacturers, and/or other corporations whose products or services are related to pertinent therapeutic areas.

Disclaimer

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A True Tale of Two Injuries

Paper mill Worker

- ✓ Severed a flexor tendon on one finger
- ✓ Seen right away
- √ Workers Comp
- √ Surgery
- ✓ Accommodations
- √ 3 months to normalcy



A True Tale of Two Injuries

Broccoli Worker

- ✓ Cut tip off one finger
- ✓ Dropped at ER
- ✓ "Nothing to do with work"
- ✓ No insurance
- √ 3 days of pain meds, closed wound
- ✓ No work
- ✓ Lost



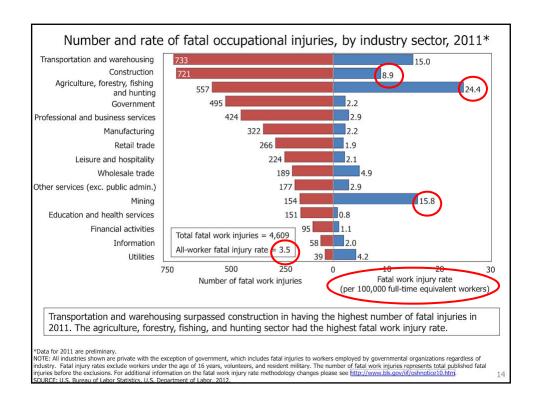
Migrant Health

Underserved population whose health is worsened by...

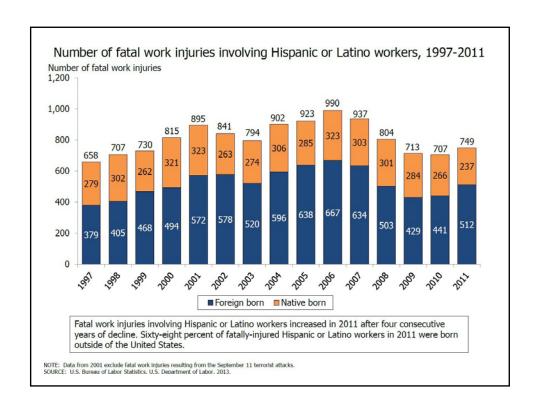
- -Migratory lifestyle
- -Cultural and language barriers
- -Immigration status
- -Inherent dangers and health risks of occupation
- Lack of access to insurance or financial resources
- –Lack of regulatory protection

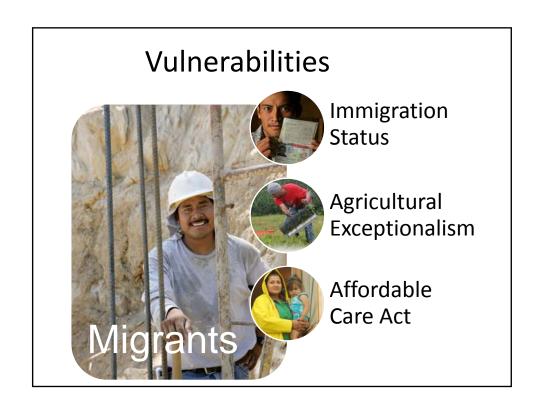
What is the most dangerous industry in the US?











Environmental/Occupational Concerns Pesticide Injuries and Trauma Musculoskeletal Other Chemical Exposures Heat Illness/ Frost Bite Eye Injuries Burns Bladder Infections Dermatitis Infectious Diseases Transportation

Injuries

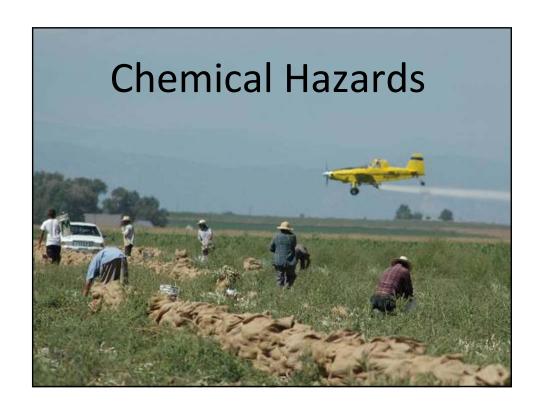
- Fall
- Crush
- Pull in
- Thrown object
- Shear/Cutting Point
- Eye Injuries

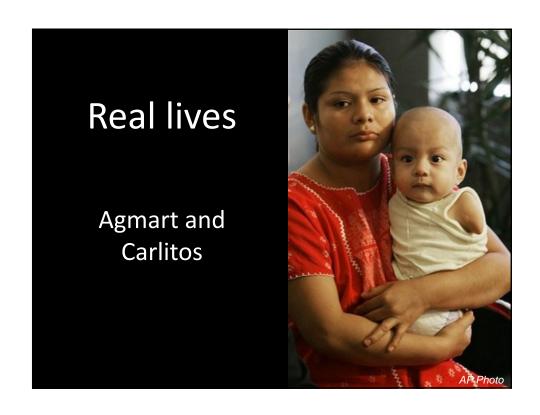


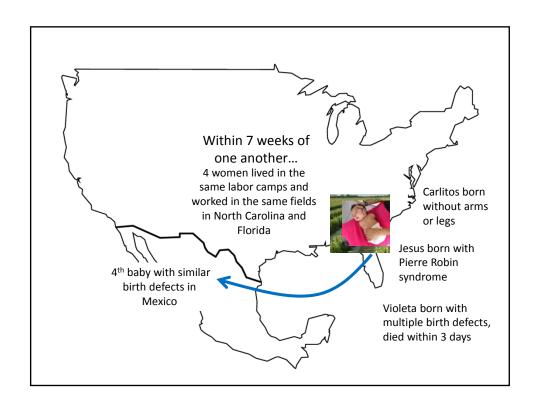








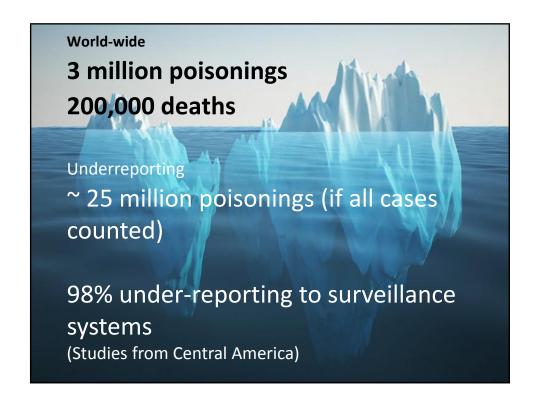






Pesticide Exposure

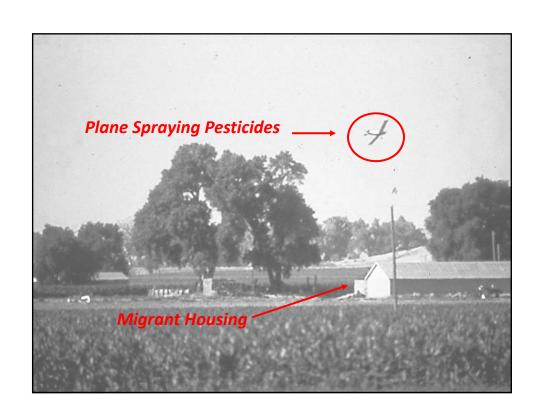
- 10,000-20,000 occupational exposures per year in US (EPA 1996)
- Inconsistent and incomplete surveillance system
- Latino farmworkers most exposed
- Over 1 billion pounds of pesticides used each year, mostly in agriculture

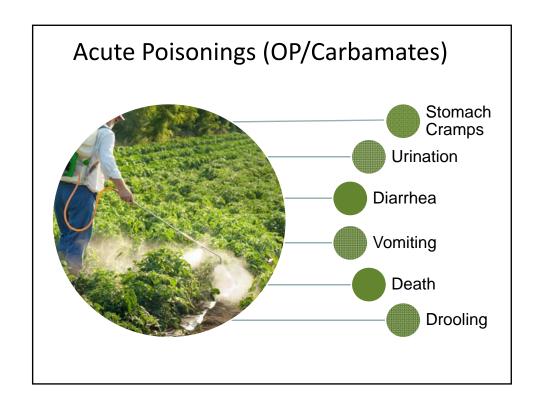


Worker Exposure to Pesticides

- Mixing, Handling, Applying Pesticides
- Working in Fields/Orchards Treated with Pesticides
- Drift









Chronic Effects

- ✓ Cancers
- ✓ Blood disorders
- ✓ Neurological problems
- ✓ Reproductive effects





Exposure to Family Members

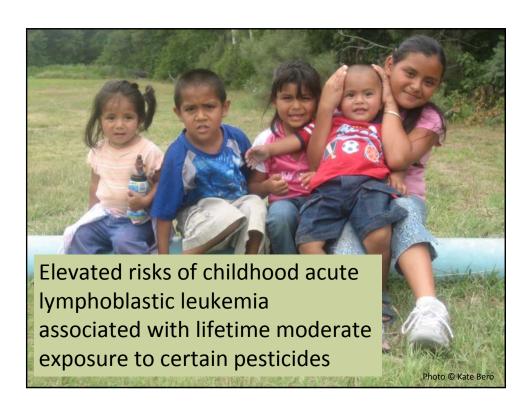
- "Take home" exposure
- Drift
- Home application of pesticides
- Lawn and vegetable and flower gardens



Pesticides and Kids

- Birth Cohort StudiesCHAMACOS
- Prenatal/Postnatal Exposure (mostly OPs)
- Poor Cognitive, Behavioral Outcomes
- Neurobehavioral function



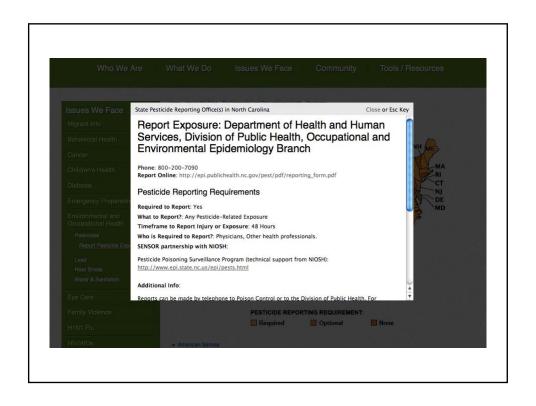




How many states require clinician to report suspected and confirmed pesticide exposures?







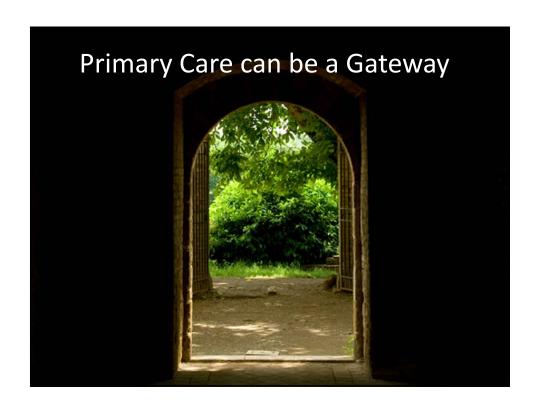
EPA's General Approach

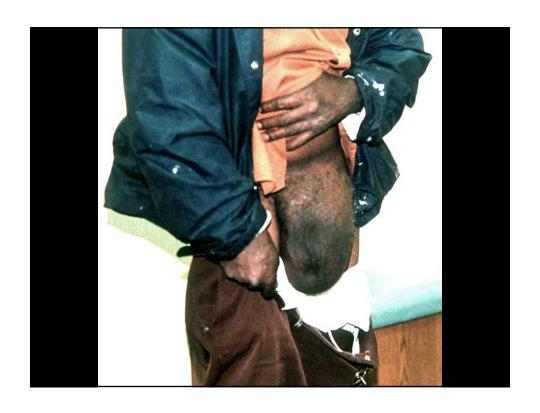
- Worker Protection Standard
- Count incidents from passive surveillance systems and act on that information
- No national standard for monitoring workers



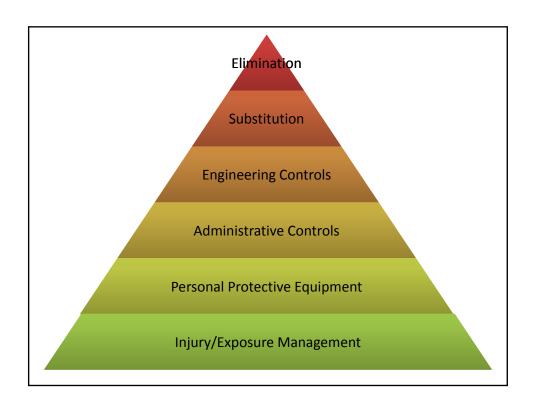
How does EPA know about problems with a registered chemical?

- Reports from Clinicians
- Surveillance data
 - State systems
 - NIOSH SENSOR system
 - · Both dependent on clinician reporting
- Poison Control Data
 - Mostly Clinician reports are biased toward children and exposures not poisonings
- 6(a)2 Reports from Registrants
 - Dependent on clinician reports





Obstacles for Primary Care Providers/ Staff BUSY Unfamiliar terminology/ practice Public Health Paradigm Workers' Compensation/ Legal system/ Reporting Office Based



EOH Screening Questions for the Primary Care Setting

1. Occupation

 Describe what you do for work.

2. Activities and Cause

 Are there any physical activities that you do – at work or away from work – that you feel are harmful to you?

3. Substances/ Physical Hazards and Cause

- Are you exposed to chemicals, fumes, dusts, noise, and/or high heat at your work or away from work?
- Do you think these are harming you?



Goals of Workers' Compensation

- Medical treatment for injured patient
 - Immediate
 - Long term
 - Access to Specialty Care
- Wages
- Return to Work
- Prevention Hazard Control
- Public Health
 - Surveillance

Are undocumented workers eligible for workers' compensation in your state?



What can clinicians do?

- ✓ Think like a lawyer!
- ✓ Similar to Criminal v Civil Law
- ✓ Criminal Beyond a Reasonable Doubt
- ✓ Civil More likely than not
- ✓ Medical Diagnosis v Occupational Exposure/Injury

A Good Analogy



Acquitted in the criminal case Found culpable in the civil case



What Can the Clinician Do?

- Document/Chart
- Work Related
 - Exposure
 - Illness
 - Injury



Progressive Inflammatory Neuropathy (PIN)

from three patients

Could have been a lot more imaginative and called it...

Progressive Inflammatory **G**lobal-neuropathy **S**yndrome

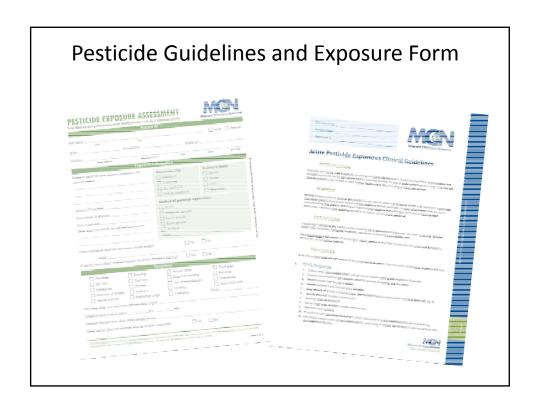
PIGS

















Patient Education Materials

- Colorful images
- •Simple language
- Health and Safety information
- Available from MCN website





