

# Surveillance of Enteric Parasites in LA County

Susie Tang, MPH  
Acute Communicable Disease Control



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## Today's Topics

- Surveillance procedures
- Common risk factors, control measures
- Case investigations, household contacts
- Epidemiology of enteric parasites
- Outbreak investigations
- Q & A



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## Surveillance Procedures



- Notification and reporting
- Laboratory culture and confirmation
- Public health investigation
  - New case history form is on ACDC website



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## Risk Factors & Control Measures

- Poor personal hygiene
  - Emphasize hand-washing, proper disposal of feces
- Risky sexual activities
  - Abstain while sick, always use barrier methods
- Colonic irrigation or hydrotherapy
  - Advise of risks of this procedure



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## Risk Factors & Control Measures

- Foreign travel
  - Boil drinking water, wash fruits and vegetables thoroughly
- Recreational water
  - Don't swim when sick, don't swallow pool water
- Household pets
  - Proper disposal of pet waste



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## Sensitive Occupation or Situations

- Amoebiasis
  - Remove food handlers from work, collect 3 stool specimens for clearance
- Cryptosporidiosis
  - Restrict based on case's hygiene, severity of symptoms
- Giardiasis
  - Remove cases from work or day care until under treatment and symptoms resolve



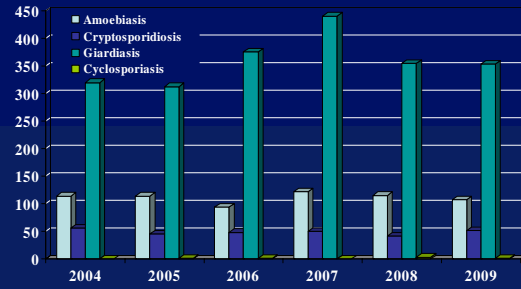
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## Household Contacts

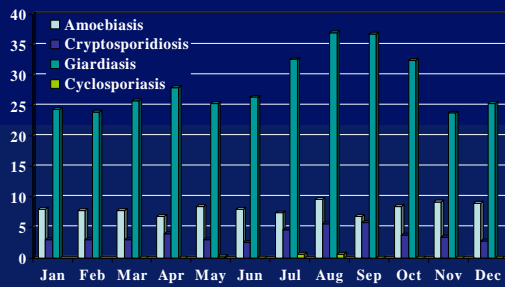
- Screen household contacts only if symptomatic
  - If stool specimen is positive, then treat as a case



## # Parasite Cases Reported by Year

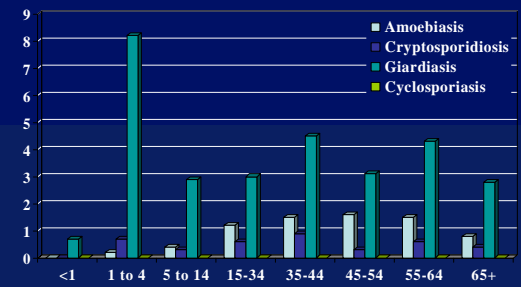


## Parasite Cases by Month of Onset



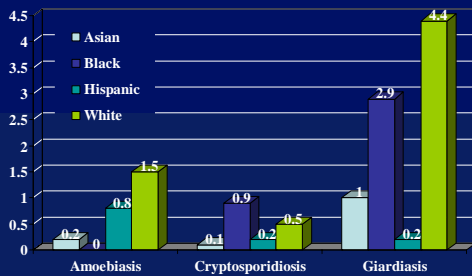
\*Number of cases are based on a 5-yr average, 2005-2009

## 2009 Parasite Incidence by Age

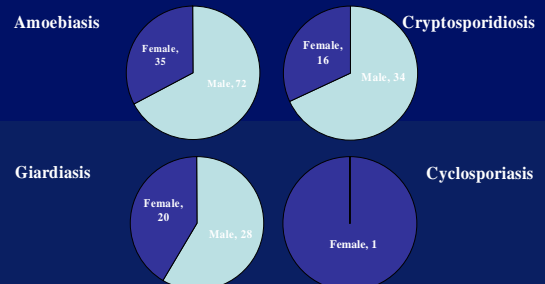


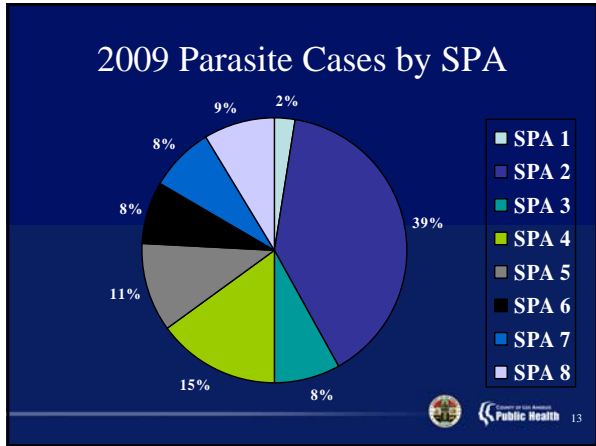
\*Rates of disease are calculated per 100,000 population

## 2009 Parasite Incidence by Race



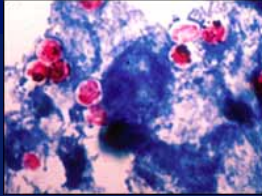

## 2009 Parasite Cases by Sex





### Parasite Outbreaks in LA County

- Cryptosporidiosis outbreak 1988
- Giardiasis outbreak 2005

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# Questions?

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