

BASICS

Source of the initial outbreak report

1st notification to LHD

1st notification to OHD

investigation start date

County of exposure(s)

City

Location/facility name*

Earliest exposure date

Latest exposure date

Brief overview

Syndrome

Suspected primary route of transmission

Suspected 2° route of transmission (if any)

Setting(s) of exposure:

MEDIA COVERAGE

What type of media coverage did this investigation receive?

TV LHD press release other

radio OHD press release none

newspaper national press release unknown

Was the media coverage initiated by the investigating agency?

If the media coverage **was initiated** by the investigating agency, what was the intent of the coverage?

To find additional cases

Other

To alert public to contaminated product

If other, please describe:

If the media coverage **was not initiated** by the investigating agency, how did the media find out about the outbreak?

From an outbreak case

Other

From leaked internal correspondence

If other, please describe:

Did the media coverage hinder the investigation?

If yes, please describe:

ETIOLOGY

Were specimens of any kind tested anywhere? Y N Was the etiologic agent lab-confirmed? Y N

Were incubation periods determined? Y N If no, was etiology presumptively identified? Y N

Confirmed or presumptive bug/disease **hepatitis A** serotype or subtype?

PFGE pattern/other Bug first identified at which lab?

How many of the following kinds of samples were tested: Food? Water? Other Environmental?

Source(s) of positive specimens (check all that apply) cases food water environment food handler

From how many **persons** were specimens obtained?
 From how many persons were stool specimens tested?
 From how many persons were non-stool specimens tested?
 How many **food handlers** were tested?
 How many **food handlers** tested positive?
 Overall, how many cases were lab-confirmed? **68**

Count people, not specimens.

How many of the following kinds of specimens were tested?

	bacterial cx	O & P	NLV
at private labs			
at the PHL			

What was the median lag time from onset of D or V to collection of specimens tested at the PHL?
 (enter exact time if known; otherwise, choose a time range)
 _____ day(s) OR _____

If no etiology was established through basic tests, what other lab work was done? none toxin screens other PCR other culture serology referral to CDC

If **neither confirmed nor presumptive**, were symptoms and other facts consistent with Norwalk-like infection? Y N

CASES

Was a formal case definition used? Y N

If yes: 1. Case definition
 a. Confirmed: 1). A person with confirmed acute HAV per CSTE case definition with onset date 3/15 to present and no international travel in the previous 3 months and 2). who has also either reported consuming Townsend Farms brand Organic

Onset dates
 earliest known 3/16/13
 latest 6/1/13
 2nd case

Do case tallies include any non-Oregon residents?
 If yes, list states:
 No Oregon cases.

Confirmed case count	68	including	secondary cases
Presumptive case count	29	including	secondary cases
Asymptomatic case count	0		
Suspect case count			
Extrapolated total ill	87		

How many symptom profiles were *systematically* collected from confirmed and presumptive cases?

Of those, how many had:

no symptoms	0
cramps	
vomiting	
fever	
any diarrhea	
3+ stools/24 h	
bloody stools	
unknown	
total	57

Of those, how many were:

infants	
1-4	1
5-9	
10-19	
20-49	16
50-74	40
75+	
unknown	
total	57

Of those, how many:

female	35
male	20
unknown	
total	55

Of those, how many:

saw clinician		(excluding ER visits)
visited ER		
hospital	36	(admitted overnight, not ER)
died		

	min	median	max	units	calculated from how many cases?
incubation					
duration					

METHODS

Lead	Public Health Participants	Agency
<input checked="" type="checkbox"/>	Bill Keene	ACDP OPHD
<input checked="" type="checkbox"/>	Tasha Poissant	ACDP OPHD

Date of first outbreak-related case interview?

Date of last outbreak-related case interview?

On average, how many days elapsed between report of an outbreak case to that case's first outbreak interview?

How many cases were interviewed for exposure history?

How many well persons (controls) were systematically interviewed?

Which agencies were substantively involved?

- | | |
|--|--|
| <input type="checkbox"/> 1 LHD | <input type="checkbox"/> regional HC |
| <input type="checkbox"/> multiple LHDs | <input checked="" type="checkbox"/> ODA |
| <input type="checkbox"/> State HD (Oregon) | <input checked="" type="checkbox"/> CDC |
| <input type="checkbox"/> other state HDs | <input type="checkbox"/> FDA |
| <input checked="" type="checkbox"/> multiple state HDs | <input checked="" type="checkbox"/> USDA |

Who designed the investigation?

- | |
|---|
| <input type="checkbox"/> LHD EH Specialists |
| <input type="checkbox"/> LHD CD nurses |
| <input type="checkbox"/> OPHD epidemiologist(s) |
| <input checked="" type="checkbox"/> people with advanced epi training |

How were controls selected?

- | | |
|--|---------------------------------------|
| <input type="checkbox"/> well cohort members | <input type="checkbox"/> credit cards |
| <input type="checkbox"/> meal companions | <input type="checkbox"/> friends |
| <input type="checkbox"/> neighborhood | <input type="checkbox"/> other |
| <input type="checkbox"/> phone # match | <input type="checkbox"/> no controls |

What methods or activities were included in this investigation?

- | | |
|--|---|
| <input type="checkbox"/> no real investigation | <input checked="" type="checkbox"/> product traceback |
| <input type="checkbox"/> active case finding | <input checked="" type="checkbox"/> contact with ODA |
| <input type="checkbox"/> case interviews | <input checked="" type="checkbox"/> conf call w/other states |
| <input type="checkbox"/> chart/record review | <input checked="" type="checkbox"/> conf call w/CDC |
| <input type="checkbox"/> case-control study | <input type="checkbox"/> conf call w/FDA |
| <input type="checkbox"/> cohort study | <input checked="" type="checkbox"/> conf call w/USDA |
| <input type="checkbox"/> food preparation review | <input checked="" type="checkbox"/> investigation at factory |
| <input checked="" type="checkbox"/> EHS inspection | <input type="checkbox"/> investigation at original source (e.g. farm) |
| <input type="checkbox"/> EHS-NET evaluation | <input type="checkbox"/> drinking water assessed |
| <input type="checkbox"/> environmental cultures | <input type="checkbox"/> recreational water venue assessed |
| <input checked="" type="checkbox"/> food cultures | <input type="checkbox"/> non-potable water assessed |

Was information collection delegated to non-public health people (e.g., ICPs, school nurses, nursing home staff)?

Y N

What type of intervention was conducted as a response to this outbreak?

- | | |
|---|--|
| <input type="checkbox"/> ordered cleaning of facility | <input checked="" type="checkbox"/> recalled food |
| <input type="checkbox"/> food handler education | <input type="checkbox"/> closed facility |
| <input type="checkbox"/> restricted/excluded foodworker | <input checked="" type="checkbox"/> issued press release |
| <input type="checkbox"/> gastroenteritis control measures | <input type="checkbox"/> no intervention |
| <input type="checkbox"/> embargoed or discarded food | <input type="checkbox"/> unknown |

On what date did the first intervention begin?

REPORTS & DATA FILES

Linked Files

HAV investigation 6_10.docx	Narrative
Units of berries sold at Costco	Data File

What additional records are available?

- questionnaire
- written report
- computer files
- epi curve
- photos
- movies
- museum exhibits
- control measures report
- OB notes
- case log
- Sleuth report
- Sleuth data backup

Narrative Comments

87 cases of Hepatitis A identified in 8 states between Mar 16 – June 1. None in Oregon. Incident management demobilized.

Investigation

Oregon epidemiologists are working with state, local and federal partners to investigate Hepatitis A cases among consumers of Townsend Farms Organic Antioxidant Blend Frozen Berries sold at Costco. Investigation guidance was sent to partners via HAN 6/5. The product was packaged in a Multnomah County facility. At this time, no information is available regarding where the berries were grown. The FDA is leading the investigation. Multnomah County assessed no need for worker prophylaxis on 6/6.

Prophylaxis and Guidance

OPHD prophylaxis guidance and pharmacy standing orders were distributed on 6/5 and are available at <https://healthoregon.net>. Hepatitis A vaccine can be ordered by enrolled providers through the Vaccine for Children. Adult vaccine is also available to local health departments through the Immunization Program. This week, 2,142 doses were ordered through the Immunization Program. State supplies of immunoglobulin (IG) include 41 2mL vials. Two IG vials have been sent out this week. LHD can request IG through the epidemiology on-call. Local public health briefings were held on 6/4 with 25 participants and on 6/6 with 46 participants. The Association of Immunization Managers and CDC held a national conference call with Immunization Programs and Costco to discuss vaccination campaigns. Primary points were 1) No additional 317 funds available, but grantee budgets can be redirected, 2) CDC supporting emergency vaccine shipments, 3) IG supplies are adequate, 4) New CDC guidance on hi-risk exposures available on CDC website, 5) Costco sent out phone formal recall with vaccine reimbursement offer (any provider) to exposed Costco members or persons who consumed the recalled product, 6) Local health departments can directly contact Costco warehouse managers for vaccination assistance.

Public Information

Follow up media only over weekend. The Oregonian ran a story and 4 TV news segments have featured the outbreak since 5/31. The risk communications team continues to monitor the media and messaging is consistent with our talking points. Some media reported on Costco's vaccine reimbursement notification before public health was notified. The web page has been updated and a banner is up on the Public Health Division website, with 320 hits today. Translations (Spanish, Vietnamese & Russian) are posted and messaging has been shared with 211 and Oregon Poison Center. Guidance, fact sheets, talking points and draft media messages are available to local health departments. A local health department public information call was held on 6/4.