

3351E1RAS

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH  
Viral and Rickettsial Disease Laboratory

OB 3047

**CONFIRMED NOROVIRUS OUTBREAK SUBMITTAL FORM FOR STRAIN TYPING\***

PLEASE SUBMIT BETWEEN 2 AND 4 POSITIVE ORIGINAL STOOLS WITH THE LOWEST CT VALUES AND THEIR CORRESPONDING RNA EXTRACTS PER OUTBREAK. (USE ADDITIONAL SUBMITTAL FORM IF NECESSARY)

Name of institution/City/County: Chipotle, Simi Valley, Ventura County  
Type of institution/setting (e.g. long term care facility, school, camp, restaurant, hospital, jail, cruise ship, catered event, etc): Restaurant

Number of residents/students/population-at-risk (if appropriate): \_\_\_\_\_

Number of staff (if appropriate): 20 Number Sick: 110

Date of first case: 8/18/15 Date of last case: 8/22/15

Suspected source:  Food-borne  Water-borne  Person-to-person  Imported/travel  Unknown

If source identified, note any additional information available: \_\_\_\_\_

Total number of clinical cases: 110 Number of cases hospitalized: 0 Number of cases who died: 0

Total number of cases tested: 18 Total number of laboratory-confirmed cases: 8

Tested for bacteria?  Yes  No Results: \_\_\_\_\_

Tested for ova and parasites?  Yes  No Results: \_\_\_\_\_

\*Reminder: Outbreaks of any disease are reportable under the Title 17, California Code of Regulations. Please communicate with your local communicable disease control unit to ensure that any norovirus outbreaks are reported to the California Department of Health Services Statistics and Surveillance Section.

VRDL Patient Accession # (For VRDL Use Only)	Patient Name (Last Name, First Name)	Patient Info (circle and fill in)	Clinical Info	Sample Type	Local Results (circle)
9-4-15 4-29 715704740	Patient #1	Sex: M or <u>F</u> DOB: [REDACTED]	Date of Diarrhea Date Stool Collected: <u>8/28/15</u>	Stool RNA Extract	Type GI or <u>GII</u> Ct Value: <u>22</u>
9-4-15 4-29 715704741	Patient #2	Sex: <u>M</u> or F DOB: [REDACTED]	Date of Diarrhea Date Stool Collected: <u>8/28/15</u>	Stool RNA Extract	Type GI or <u>GII</u> Ct Value: <u>25</u>
9-4-15 4-29 715704742	Patient #3	Sex: M or <u>F</u> DOB: [REDACTED]	Date of Diarrhea Date Stool Collected: <u>8/28/15</u>	Stool RNA Extract	Type GI or <u>GII</u> Ct Value: <u>35</u>
9-4-15 4-29 715704743	Patient #4	Sex: M or <u>F</u> DOB: [REDACTED]	Date of Diarrhea Date Stool Collected: <u>8/28/15</u>	Stool RNA Extract	Type GI or <u>GII</u> Ct Value: <u>30</u>

LHD: Ventura County PHL

LHD Contact Name: Sureeta Steele

Phone: (805) 981-5131 Fax: (805) 981-5130 Date form filed out: 9/1/15

Call 176  
(Fam. usaki)

335/E/RAS

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH  
Viral and Rickettsial Disease Laboratory

**CONFIRMED NOROVIRUS OUTBREAK SUBMITTAL FORM FOR STRAIN TYPING\***

PLEASE SUBMIT BETWEEN 2 AND 4 POSITIVE ORIGINAL STOOLS WITH THE LOWEST CT VALUES AND THEIR CORRESPONDING RNA EXTRACTS PER OUTBREAK. (USE ADDITIONAL SUBMITTAL FORM IF NECESSARY)

Name of institution/City/County: \_\_\_\_\_  
Type of institution/setting (e.g. long term care facility, school, camp, restaurant, hospital, jail, cruise ship, catered event, etc): \_\_\_\_\_  
Number of residents/students/population-at-risk (if appropriate): \_\_\_\_\_  
Number of staff (if appropriate): \_\_\_\_\_ Number Sick: \_\_\_\_\_

Date of first case: \_\_\_\_/\_\_\_\_/\_\_\_\_ Date of last case: \_\_\_\_/\_\_\_\_/\_\_\_\_

Suspected source:  Food-borne  Water-borne  Person-to-person  Imported/travel  Unknown

If source identified, note any additional information available: \_\_\_\_\_

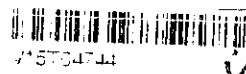
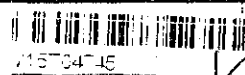
Total number of clinical cases: \_\_\_\_\_ Number of cases hospitalized: \_\_\_\_\_ Number of cases who died: \_\_\_\_\_

Total number of cases tested: \_\_\_\_\_ Total number of laboratory-confirmed cases: \_\_\_\_\_

Tested for bacteria?  Yes  No Results: \_\_\_\_\_

Tested for ova and parasites?  Yes  No Results: \_\_\_\_\_

\*Reminder: Outbreaks of any disease are reportable under the Title 17, California Code of Regulations. Please communicate with your local communicable disease control unit to ensure that any norovirus outbreaks are reported to the California Department of Health Services Statistics and Surveillance Section.

VRDL Patient Accession # (For VRDL Use Only)	Patient Name (Last Name, First Name)	Patient Info (circle and fill in)	Clinical Info	Sample Type	Local Results (circle)
 [Redacted]	Patient #15 [Redacted]	Sex: M or <b>(F)</b> DOB: [Redacted]	Date of Diarrhea Date Stool Collected: 8/26/15	Stool <b>(RNA Extract)</b>	Type GI or <b>(GII)</b> Ct Value: 29
 [Redacted]	Patient #26 [Redacted]	Sex: M or <b>(F)</b> DOB: [Redacted]	Date of Diarrhea Date Stool Collected:	Stool <b>(RNA Extract)</b>	Type GI or <b>(GII)</b> Ct Value: 31
	Patient #3	Sex: M or F	Date of Diarrhea	Stool	Type GI or <b>(GII)</b>
		DOB	Date Stool Collected	RNA Extract	Ct Value
	Patient #4	Sex: M or F	Date of Diarrhea	Stool	Type GI or <b>(GII)</b>
		DOB	Date Stool Collected	RNA Extract	Ct Value

LHD: \_\_\_\_\_ LHD Contact Name: \_\_\_\_\_  
Phone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_ Date form filled out: \_\_\_\_/\_\_\_\_/\_\_\_\_



850 Marina Bay Parkway, E365  
Richmond, CA 94804

**Viral and Rickettsial Disease Laboratory**

CLIA ID # 05D0643850

Phone: 510-307-8575  
Fax: 510-307-8599



**Laboratory Results**

Page 1 of 1

**Patient Information**

**Submitter Information**

Patient Name or Submitter ID: [REDACTED]		Gender Female	Date of Birth [REDACTED]	Age [REDACTED]	Submitter Type: CA City & County Health Depts Facility: Ventura County Health Dept. Address: 2240 E. Gonzales Rd., Suite 210 Oxnard, CA 93036 Phone: _____ Fax: _____ Health Jurisdiction: Ventura, CA
Medical Records:	Patient Comments:				
<b>Disease Suspected / Test Requested / Symptoms</b>					Reason Code v_215
Date of Onset:	Disease Suspected: Norovirus				
	Test Requested:				
Symptoms:					
Additional Information:					

**Specimen Information**

Specimen Type: Stool = Fecal, Nucleic Acid Extract	Date Collected 8/28/2015	Date Received 9/4/2015	Condition Received Dry Ice	Submitter Tracking# 15-240-1551	VRDL Accession #: <b>V15T04740-01</b>
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**Results of Laboratory Tests**

Pathogen / Antigen	VRDL Specimen #	Test Method	Laboratory Results
Norovirus Region C	V15T04740-01	Sequence Analysis	GII.17
Norovirus Region D	V15T04740-01	Sequence Analysis	GII.17

Additional Information or Overall Interpretation of State Laboratory Test Results:

*Sr* NOV 03 2015

Report to: Ventura County Health Dept. 2240 E. Gonzales Rd., Suite 160 Oxnard, CA 93036 Attn: Lab Director Fax# (805) 981-5130	Testing performed under the direction of Dongxiang Xia, MD, PhD, D(ABMM), SV(ASCP), Laboratory Director, Viral and Rickettsial Disease Laboratory <p style="text-align: center;"><b>Final Report Date: November 03, 2015</b></p> Report Method: [ ] faxed to (805) 981-5130 [ ] Mailed [ ] NR [ ] by: _____ date: _____
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850 Marina Bay Parkway, E365  
Richmond, CA 94804

### Viral and Rickettsial Disease Laboratory

CLIA ID # 05D0643850

Phone: 510-307-8575  
Fax: 510-307-8599



## Laboratory Results

Page 1 of 1

#### Patient Information

#### Submitter Information

Patient Name or Submitter ID: [REDACTED]		Gender [REDACTED]	Date of Birth	Age	Submitter Type: CA City & County Health Depts Facility: Ventura County Health Dept. Address: 2240 E. Gonzales Rd., Suite 210 Oxnard, CA 93036 Phone: _____ Fax: _____ Health Jurisdiction: Ventura, CA
Medical Records:	Patient Comments:				
<b>Disease Suspected / Test Requested / Symptoms</b> Date of Onset: _____ Disease Suspected: Norovirus Test Requested: _____					Reason Code v_215
Symptoms:					
Additional Information:					

#### Specimen Information

Specimen Type: Stool = Fecal, Nucleic Acid Extract	Date Collected 8/28/2015	Date Received 9/4/2015	Condition Received Dry Ice	Submitter Tracking# 15-240-1552	VRDL Accession #: V15T04741-01
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#### Results of Laboratory Tests

Pathogen / Antigen	VRDL Specimen #	Test Method	Laboratory Results
Norovirus Region C	V15T04741-01	Sequence Analysis	GII.17
Norovirus Region D	V15T04741-01	Sequence Analysis	GII.17

Additional Information or Overall Interpretation of State Laboratory Test Results:

*98* NOV 03 2015

Report to: Ventura County Health Dept. 2240 E. Gonzales Rd., Suite 160 Oxnard, CA 93036 Attn: Lab Director Fax# (805) 981-5130	Testing performed under the direction of Dongxiang Xia, MD, PhD, D(ABMM), SV(ASCP), Laboratory Director, Viral and Rickettsial Disease Laboratory <b>Final Report Date: November 03, 2015</b> Report Method: [ ] faxed to (805) 981-5130 [ ] Mailed [ ] NR [ ] by: _____ date: _____
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**Laboratory Results**

Page 1 of 1

**Patient Information**

**Submitter Information**

Patient Name or Submitter ID: [REDACTED]		Gender: [REDACTED]	Date of Birth: [REDACTED]	Age: [REDACTED]	Submitter Type: CA City & County Health Depts Facility: Ventura County Health Dept. Address: 2240 E. Gonzales Rd., Suite 210 Oxnard, CA 93036 Phone: _____ Fax: _____ Health Jurisdiction: Ventura, CA
Medical Records:	Patient Comments:				
<b>Disease Suspected / Test Requested / Symptoms</b>					
Date of Onset:	Disease Suspected: Norovirus				
Test Requested:					
Symptoms:					Reason Code v_215
Additional Information:					

**Specimen Information**

Specimen Type:	Date Collected	Date Received	Condition Received	Submitter Tracking#	VRDL Accession #:
Stool = Fecal, Nucleic Acid Extract	8/28/2015	9/4/2015	Dry Ice	15-240-1557	V15T04742-01

**Results of Laboratory Tests**

Pathogen / Antigen	VRDL Specimen #	Test Method	Laboratory Results
Norovirus Region C	V15T04742-01	Sequence Analysis	Sequence failed
Norovirus Region D	V15T04742-01	Sequence Analysis	Sequence failed

Additional Information or Overall Interpretation of State Laboratory Test Results:

*[Signature]* NOV 03 2015

Report to: Ventura County Health Dept. 2240 E. Gonzales Rd., Suite 160 Oxnard, CA 93036 Attn: Lab Director Fax# (805) 981-5130	Testing performed under the direction of Dongxiang Xia, MD, PhD, D(ABMM), SV(ASCP), Laboratory Director, Viral and Rickettsial Disease Laboratory <b>Final Report Date: November 03, 2015</b> Report Method: [ ] faxed to (805) 981-5130 [ ] Mailed [ ] NR [ ] by: _____ date: _____
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Richmond, CA 94804

### Viral and Rickettsial Disease Laboratory

CLIA ID # 05D0643850

Phone: 510-307-8575  
Fax: 510-307-8599



**Laboratory Results** Page 1 of 1

Patient Information				Submitter Information	
Patient Name or Submitter ID:	Gender	Date of Birth	Age	Submitter Type: CA City & County Health Depts Facility: Ventura County Health Dept. Address: 2240 E. Gonzales Rd., Suite 210 Oxnard, CA 93036 Phone: _____ Fax: _____ Health Jurisdiction: Ventura, CA	
Medical Records:	Patient Comments:				
<b>Disease Suspected / Test Requested / Symptoms</b>					
Date of Onset:	Disease Suspected: Norovirus			Reason Code v_215	
	Test Requested:				
Symptoms:					
Additional Information:					

Specimen Information					
Specimen Type:	Date Collected	Date Received	Condition Received	Submitter Tracking#	VRDL Accession #:
Stool = Fecal, Nucleic Acid Extract	8/28/2015	9/4/2015	Dry Ice	15-240-1558	V15T04743-01

Results of Laboratory Tests			
Pathogen / Antigen	VRDL Specimen #	Test Method	Laboratory Results
Norovirus Region C	V15T04743-01	Sequence Analysis	GII.17
Norovirus Region D	V15T04743-01	Sequence Analysis	GII.17

Additional Information or Overall Interpretation of State Laboratory Test Results:

*SJ* NOV 03 2015

<p>Report to: Ventura County Health Dept. 2240 E. Gonzales Rd., Suite 160 Oxnard, CA 93036 Attn: Lab Director      Fax# (805) 981-5130</p>	<p>Testing performed under the direction of Dongxiang Xia, MD, PhD, D(ABMM), SV(ASCP), Laboratory Director, Viral and Rickettsial Disease Laboratory</p> <p style="text-align: center;"><b>Final Report Date: November 03, 2015</b></p> <p>Report Method: <input type="checkbox"/> faxed to (805) 981-5130      <input type="checkbox"/> Mailed <input type="checkbox"/> NR</p> <p style="text-align: center;">[ ] by _____ date: _____</p>
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Phone: 510-307-8575  
Fax: 510-307-8599



## Laboratory Results

Page 1 of 1

#### Patient Information

#### Submitter Information

Patient Name or Submitter ID: [REDACTED]		Gender [REDACTED]	Date of Birth [REDACTED]	Age [REDACTED]	Submitter Type: CA City & County Health Depts Facility: Ventura County Health Dept. Address: 2240 E. Gonzales Rd., Suite 210 Oxnard, CA 93036 Phone: _____ Fax: _____ Health Jurisdiction: Ventura, CA	
Medical Records:	Patient Comments:				Reason Code v_215	
<b>Disease Suspected / Test Requested / Symptoms</b>						
Date of Onset:	Disease Suspected: Norovirus Test Requested:					
Symptoms:						
Additional Information:						

#### Specimen Information

Specimen Type: Stool = Fecal, Nucleic Acid Extract	Date Collected 8/28/2015	Date Received 9/4/2015	Condition Received Dry Ice	Submitter Tracking# 15-238-0704	VRDL Accession #: V15T04744-01
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#### Results of Laboratory Tests

Pathogen / Antigen	VRDL Specimen #	Test Method	Laboratory Results
Norovirus Region C	V15T04744-01	Sequence Analysis	GII.17
Norovirus Region D	V15T04744-01	Sequence Analysis	GII.17

Additional Information or Overall Interpretation of State Laboratory Test Results:

*OX* NOV 03 2015

Report to:

Ventura County Health Dept.  
2240 E. Gonzales Rd., Suite 160  
Oxnard, CA 93036  
Attn: Lab Director Fax# (805) 981-5130

Testing performed under the direction of Dongxiang Xia, MD, PhD, D(ABMM),  
SV(ASCP), Laboratory Director, Viral and Rickettsial Disease Laboratory

**Final Report Date: November 03, 2015**

Report Method:  faxed to (805) 981-5130  Mailed  NR  
 by: \_\_\_\_\_ date: \_\_\_\_\_



850 Marina Bay Parkway, E365  
Richmond, CA 94804

### Viral and Rickettsial Disease Laboratory

CLIA ID # 05D0643850

Phone: 510-307-8575  
Fax: 510-307-8599



## Laboratory Results

Page 1 of 1

#### Patient Information

#### Submitter Information

Patient Name or Submitter ID: [REDACTED]		Gender [REDACTED]	Date of Birth [REDACTED]	Age [REDACTED]	Submitter Type: CA City & County Health Depts Facility: Ventura County Health Dept. Address: 2240 E. Gonzales Rd., Suite 210 Oxnard, CA 93036 Phone: _____ Fax: _____ Health Jurisdiction: Ventura, CA
Medical Records:	Patient Comments:				
Disease Suspected / Test Requested / Symptoms Date of Onset: _____ Disease Suspected: Norovirus Test Requested: _____					Reason Code v_215
Symptoms:					
Additional Information:					

#### Specimen Information

Specimen Type: Stool = Fecal, Nucleic Acid Extract	Date Collected	Date Received 9/4/2015	Condition Received Dry Ice	Submitter Tracking#	VRDL Accession #: V15T04745-01
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#### Results of Laboratory Tests

Pathogen / Antigen	VRDL Specimen #	Test Method	Laboratory Results
Norovirus Region C	V15T04745-01	Sequence Analysis	GII.17
Norovirus Region D	V15T04745-01	Sequence Analysis	GII.17

Additional Information or Overall Interpretation of State Laboratory Test Results:

*SH* NOV 03 2015

Report to: Ventura County Health Dept. 2240 E. Gonzales Rd., Suite 160 Oxnard, CA 93036 Attn: Lab Director Fax# (805) 981-5130	Testing performed under the direction of Dongxiang Xia, MD, PhD, D(ABMM), SV(ASCP), Laboratory Director, Viral and Rickettsial Disease Laboratory <b>Final Report Date: November 03, 2015</b> Report Method: [ ] faxed to (805) 981-5130 [ ] Mailed [ ] NR [ ] by: _____ date: _____
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**Lamba, Katherine (CDPH-CID-DCDC-IDB)**

---

**From:** Harrison, Theresa <Theresa.Harrison@ventura.org>  
**Sent:** Thursday, August 27, 2015 3:04 PM  
**To:** Lamba, Katherine (CDPH-CID-DCDC-IDB); Archer, Erin@Ventura County  
**Subject:** RE: Ventura Co restaurant outbreak

Hi Katherine,

We have lab confirmation 2 of 3 customers tested positive for Noro today, so we will not need to proceed with MDL. The MDL did connect me with Gerardo Gomez, CDC Immune Diagnostics Enteric Disease Lab Branch if we needed additional testing. Thank you.

*Theresa Harrison, RN, PHN*

Ventura County Public Health  
Communicable Disease  
2500 South C St. Ste. B  
Oxnard, CA 93033  
805-981-5201  
Fax 805-981-5200

---

**From:** Lamba, Katherine (CDPH-CID-DCDC-IDB) [mailto:Katherine.Lamba@cdph.ca.gov]  
**Sent:** Thursday, August 27, 2015 10:20 AM  
**To:** Archer, Erin; Harrison, Theresa  
**Subject:** RE: Ventura Co restaurant outbreak

Hello Erin & Theresa,

I wanted to check in and see if you had gotten a response from MDL regarding lab testing, and whether there is anything else we can assist with at this time.

Katherine

---

**From:** Archer, Erin [mailto:Erin.Archer@ventura.org]  
**Sent:** Monday, August 24, 2015 5:10 PM  
**To:** Lamba, Katherine (CDPH-CID-DCDC-IDB); Harrison, Theresa@Ventura County; Inami, Greg (CDPH-CID-DCDC-MDL)  
**Cc:** Higa, Jeffrey (CDPH-CID-DCDC-IDB); Kimura, Akiko (CDPH-CID-DCDC); Levin, Robert@Ventura County  
**Subject:** RE: Ventura Co restaurant outbreak

Yes.

Sorry if there has been a bunch of confused communication.

Another symptom in a couple of the young women so far... chest pain, shortness of breath.

I am not in tomorrow, but Theresa is here.

*Erin L Archer, RN, PHN, CIC*

Ventura County Public Health  
Communicable Diseases Division

2500 South C Street, Suite #B-2  
Oxnard, CA 93033  
[Vcph-id@ventura.org](mailto:Vcph-id@ventura.org)  
Ph: 805-981-5201  
Fax: 805-981-5200

**Note: I am in the office part-time.**  
**The phone number above will reach CD staff Mon to Fri, 8am to 5pm.**

---

**From:** Lamba, Katherine (CDPH-CID-DCDC-IDB) [<mailto:Katherine.Lamba@cdph.ca.gov>]  
**Sent:** Monday, August 24, 2015 4:43 PM  
**To:** Archer, Erin; Harrison, Theresa; Inami, Greg (CDPH-CID-DCDC-MDL)  
**Cc:** Higa, Jeffrey (CDPH-CID-DCDC-IDB); Kimura, Akiko (CDPH-CID-DCDC); Levin, Robert  
**Subject:** RE: Ventura Co restaurant outbreak

I am looping in Greg Inami from MDL for direct response regarding the lab testing- whether recommended and whether coordinating to have CDC do the testing would be the best option.

It's my understanding that Theresa or someone from your PHL had tried to contact MDL about this, but probably best to get a direct response here.

To summarize the clinical picture based on information available at this point:

- Incubation 3-30 hours, 24 hours most common
- Illness duration: 1-2 days
- Vomiting & diarrhea- nearly all; fever or chills: 50%

Katherine

---

**From:** Archer, Erin [<mailto:Erin.Archer@ventura.org>]  
**Sent:** Monday, August 24, 2015 4:28 PM  
**To:** Lamba, Katherine (CDPH-CID-DCDC-IDB); Harrison, Theresa@Ventury County  
**Cc:** Higa, Jeffrey (CDPH-CID-DCDC-IDB); Kimura, Akiko (CDPH-CID-DCDC); Levin, Robert@Ventura County  
**Subject:** RE: Ventura Co restaurant outbreak

3-30 hours is what we were told by Chipotle's corporate wellness group, who did an investigation with their MD over the weekend.

Their C.O.O. is supposed to be sending us the line list of time they ate versus symptom onset, what they ate, etc. We are glad to forward that info when we get it.

When Theresa and our Environmental Health staff have been interviewing people, onset has been running at about 24 hours. Almost all have reported both vomiting and diarrhea, and over 50% have reported fever or chills. There have only been 10 or so interviews on our end so far, but my understanding is that Chipotle interviewed a lot of these people these weekend.

We are going to try to get viral and bacterial cultures on a sampling of these people, hopefully the most symptomatic. At this point, Chipotle says we are at 74 customers and 17 staff. It is not yet clear to us how many of them may already have been tested. We're still trying to find out. We only found out about this outbreak today.

According to Chipotle and corroborated by our interviews so far, no secondary cases. Illness duration appears to be 1-2 days.

So, I was confused by the info on toxin testing. Testing for *C. perfringens* toxin may be an option or not? What about *Staph aureus* toxin?

My understanding is that Dr. Levin may be interested in pursuing toxin testing if the bacterial and Noro results are negative. Here's what Theresa and I are trying to figure out before we start collecting samples:

-Our understanding from info provided by our PHL is that these toxin tests are avail via the CDC (with pre-approval) and appear to be collected into a sterile cup.

Should we be trying to get some samples to put aside for possible toxin testing while we are trying to get Noro and bacterial samples? Will the toxin still be viable, or should we even bother with it?

Hope that helps.

We'll keep you in the loop as we know more.

*Erin L Archer, RN, PHN, CIC*

Ventura County Public Health  
Communicable Diseases Division  
2500 South C Street, Suite #B-2  
Oxnard, CA 93033  
[Vcph-id@ventura.org](mailto:Vcph-id@ventura.org)  
Ph: 805-981-5201  
Fax: 805-981-5200

**Note: I am in the office part-time.**

**The phone number above will reach CD staff Mon to Fri, 8am to 5pm.**

---

**From:** Lamba, Katherine (CDPH-CID-DCDC-IDB) [<mailto:Katherine.Lamba@cdph.ca.gov>]

**Sent:** Monday, August 24, 2015 3:54 PM

**To:** Archer, Erin; Harrison, Theresa

**Cc:** Higa, Jeffrey (CDPH-CID-DCDC-IDB); Kimura, Akiko (CDPH-CID-DCDC)

**Subject:** Ventura Co restaurant outbreak

Hi Erin & Theresa,

Sounds like we've had a few lines of communication regarding your restaurant outbreak so just wanted to get everyone on the same page. Can you guys verify:

- Incubation period (Jeff heard 12-14 hrs, I got 3-30 hrs)
- Illness duration
- % with vomiting, diarrhea, fever, other symptoms?
- No known secondary cases

Regarding testing- I believe Jeff relayed to Theresa that norovirus testing could still be done at this point. *C. perfringens* toxin testing could also be done (MDL does not do this testing), and stool culture for *C. perfringens* is not routinely done.

Please give me a call regarding any follow-up questions at this time. Thank you!

Katherine Lamba, MPH  
Epidemiologist  
Disease Investigations Section  
Infectious Diseases Branch | DCDC | CID  
California Department of Public Health  
850 Marina Bay Parkway | Building P, 2nd Floor | Richmond, CA 94804  
Phone: 510-620-3429 | Fax: 510-620-3425 | Email: [Katherine.Lamba@cdph.ca.gov](mailto:Katherine.Lamba@cdph.ca.gov)



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**Lamba, Katherine (CDPH-CID-DCDC-IDB)**

---

**From:** Needham, Michael (CDPH-DFDRS FDB)  
**Sent:** Tuesday, August 25, 2015 9:32 AM  
**To:** Lamba, Katherine (CDPH-CID-DCDC-IDB)  
**Subject:** RE: Outbreak of gastrointestinal illness associated with Ventura County restaurant

Thanks Katherine.

Michael D. Needham MPH  
Chief, Emergency Response Unit  
California Department of Public Health  
Food and Drug Branch  
916-650-6705  
916-440-5451 - fax  
[michael.needham@cdph.ca.gov](mailto:michael.needham@cdph.ca.gov)



---

**From:** Lamba, Katherine (CDPH-CID-DCDC-IDB)  
**Sent:** Tuesday, August 25, 2015 9:24 AM  
**To:** Needham, Michael (CDPH-DFDRS FDB)  
**Subject:** RE: Outbreak of gastrointestinal illness associated with Ventura County restaurant

We initially got some conflicting information but based on what we have now it is sounding a bit more like noro vs. bacterial toxin:

- Incubation 3-30 hours, 24 hours most common
- Illness duration: 1-2 days
- Vomiting & diarrhea- nearly all; fever or chills: 50%

Katherine

---

**From:** Needham, Michael (CDPH-DFDRS FDB)  
**Sent:** Monday, August 24, 2015 6:43 PM  
**To:** Lamba, Katherine (CDPH-CID-DCDC-IDB)  
**Subject:** Re: Outbreak of gastrointestinal illness associated with Ventura County restaurant

Thanks Katherine - more likely to be noro or still undetermined?

Sent from my iPhone

On Aug 24, 2015, at 4:23 PM, Lamba, Katherine (CDPH-CID-DCDC-IDB) <[Katherine.Lamba@cdph.ca.gov](mailto:Katherine.Lamba@cdph.ca.gov)> wrote:

Good afternoon everyone,

A heads up that Ventura County Public Health has just [released press](#) regarding an outbreak of gastrointestinal illness associated with a Chipotle restaurant located in Simi Valley, CA. Ventura Co has identified at least 60 ill patrons who dined on August 18<sup>th</sup> or 19<sup>th</sup>, and an additional 17 ill employees. The restaurant was closed on Friday, 8/21 and reopened on Saturday, 8/22. All ill employees were furloughed and will not return to work until 5 days after resolution of symptoms.

The etiology is unknown at this time, but known symptoms include vomiting, diarrhea, and fever. Norovirus and bacterial toxins are under consideration. A vehicle has not yet been identified, and an ill food handler has not yet been ruled out. Ventura County is continuing to investigate to identify the source of the outbreak and the etiology. IDB is providing consultation as needed.

Thank you,  
Katherine

Katherine Lamba, MPH  
Epidemiologist  
Disease Investigations Section  
Infectious Diseases Branch | DCDC | CID  
California Department of Public Health  
850 Marina Bay Parkway | Building P, 2nd Floor | Richmond, CA 94804  
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<image002.jpg>

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**Lamba, Katherine (CDPH-CID-DCDC-IDB)**

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**From:** Pan, Chao-Yang (CDPH-CID-DCDC-VRDL)  
**Sent:** Thursday, August 27, 2015 3:49 PM  
**To:** Lamba, Katherine (CDPH-CID-DCDC-IDB)  
**Cc:** Wadford, Debra (CDPH-CID-DCDC-VRDL); Guevara, Hugo (CDPH-CID-DCDC-VRDL); Huynh, Thalia (CDPH-CID-DCDC-VRDL); Gilliss, Debra (CDPH-CID-DCDC-IDB)  
**Subject:** RE: Outbreak of gastrointestinal illness associated with Ventura County restaurant

Thanks so much for the update, Katherine!

Chao

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**From:** Lamba, Katherine (CDPH-CID-DCDC-IDB)  
**Sent:** Thursday, August 27, 2015 3:26 PM  
**To:** Pan, Chao-Yang (CDPH-CID-DCDC-VRDL)  
**Cc:** Wadford, Debra (CDPH-CID-DCDC-VRDL); Guevara, Hugo (CDPH-CID-DCDC-VRDL); Huynh, Thalia (CDPH-CID-DCDC-VRDL); Gilliss, Debra (CDPH-CID-DCDC-IDB)  
**Subject:** RE: Outbreak of gastrointestinal illness associated with Ventura County restaurant

Ventura Co PHNs relayed to me that they got norovirus out of two customer specimens so hopefully you will be able to do some genotyping!

Katherine

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**From:** Pan, Chao-Yang (CDPH-CID-DCDC-VRDL)  
**Sent:** Tuesday, August 25, 2015 3:18 PM  
**To:** Lamba, Katherine (CDPH-CID-DCDC-IDB)  
**Cc:** Wadford, Debra (CDPH-CID-DCDC-VRDL); Guevara, Hugo (CDPH-CID-DCDC-VRDL); Huynh, Thalia (CDPH-CID-DCDC-VRDL); Gilliss, Debra (CDPH-CID-DCDC-IDB)  
**Subject:** RE: Outbreak of gastrointestinal illness associated with Ventura County restaurant

Hi Katherine,

Thanks so much for the heads-up! Very interesting indeed!!! I will check in with our laboratory colleagues to see if they have any specimens for us for genotyping!

Sincerely,

Chao

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**From:** Lamba, Katherine (CDPH-CID-DCDC-IDB)  
**Sent:** Tuesday, August 25, 2015 10:53 AM  
**To:** Pan, Chao-Yang (CDPH-CID-DCDC-VRDL)  
**Subject:** FW: Outbreak of gastrointestinal illness associated with Ventura County restaurant

Hi Chao,

FYI regarding possible outbreak of norovirus associated with a restaurant in Ventura Co. We initially got some conflicting information on the incubation and symptomology but here is what we know now- sounds like noro.

- Incubation 3-30 hours, 24 hours most common
- Illness duration: 1-2 days
- Vomiting & diarrhea- nearly all; fever or chills: 50%

I believe Ventura will be doing the noro testing locally but I wanted to give you a heads up.

Thanks,  
Katherine

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**From:** Lamba, Katherine (CDPH-CID-DCDC-IDB)  
**Sent:** Monday, August 24, 2015 4:23 PM  
**To:** Gilliss, Debra (CDPH-CID-DCDC-IDB); Vugia, Duc (CDPH-CID-DCDC-IDB); Watt, James (CDPH-CID-DCDC); Chavez, Gil F. (CDPH-EXEC-CID); Needham, Michael (CDPH-DFDRS FDB); Barnes, Amber (CDPH-PS-DFDRS-FDB); Inami, Greg (CDPH-CID-DCDC-MDL); Zhang, Peng (CDPH-CID-DCDC-MDL)  
**Cc:** Kimura, Akiko (CDPH-CID-DCDC); Higa, Jeffrey (CDPH-CID-DCDC-IDB)  
**Subject:** Outbreak of gastrointestinal illness associated with Ventura County restaurant

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Katherine



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