

E. coli O121

Cluster Investigation

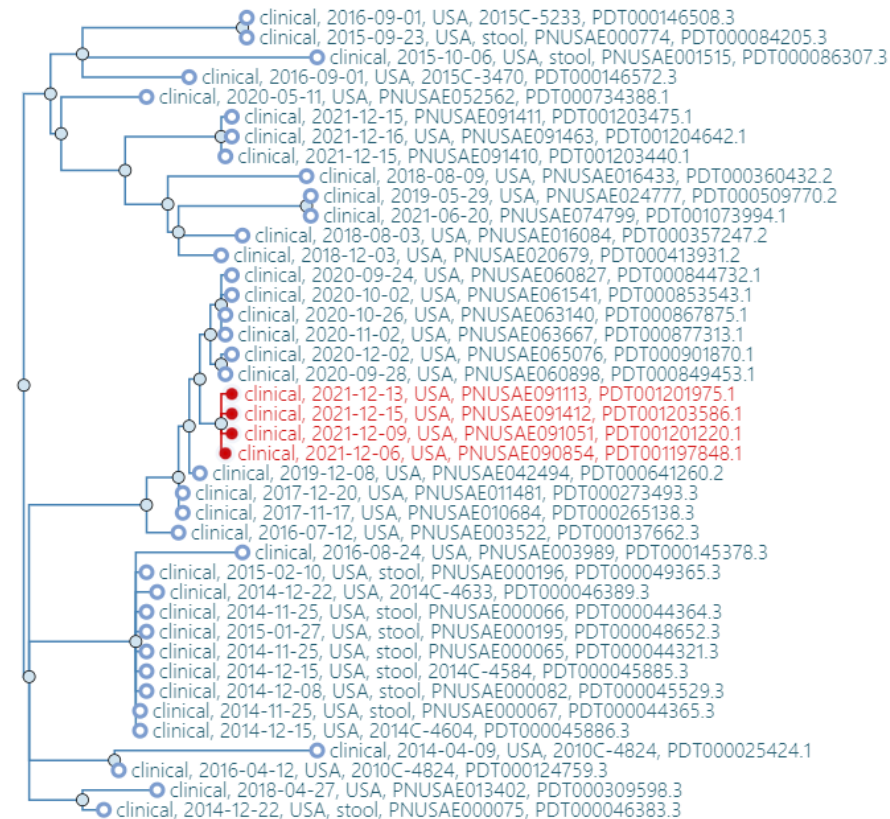
December 21, 2021

Cases of *E. coli* O121 cluster as of December 21, 2021

State	No. of cases
MN	2
WA	2
Total	4

- Case definition:
 - Infection of *E. coli* O121 and
 - Isolate matching by cgMLST
 - Allele code: EC1.0 - 18.1.14.38.16
- Isolation dates: 11/24/2021 – 11/30/2021
- Reported onset dates: 11/21/2021 – 11/26/2021

Historical isolates



Cases of *E. coli* O121 cluster as of December 21, 2021

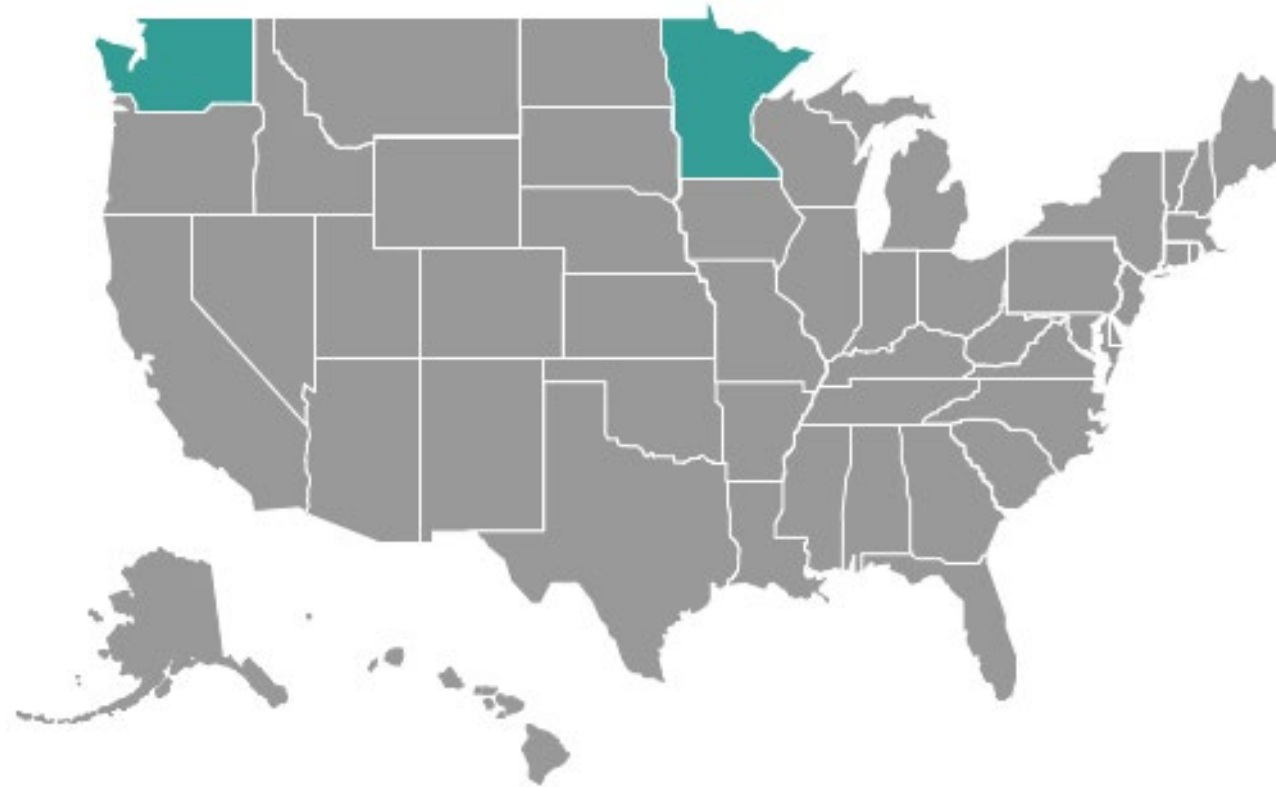
Table 2. Patient demographics in *E. coli* O121 cluster as of December 21, 2021

Demographics	
Age range (median), (n=4)	18-32 (23.5)
Age categories in years (n=4)	n (%)
<5	0 (0)
5 to 17	0 (0)
18 to 59	4 (100)
≥ 60	0 (0)
Sex (n=4)	n (%)
Female	2 (50)

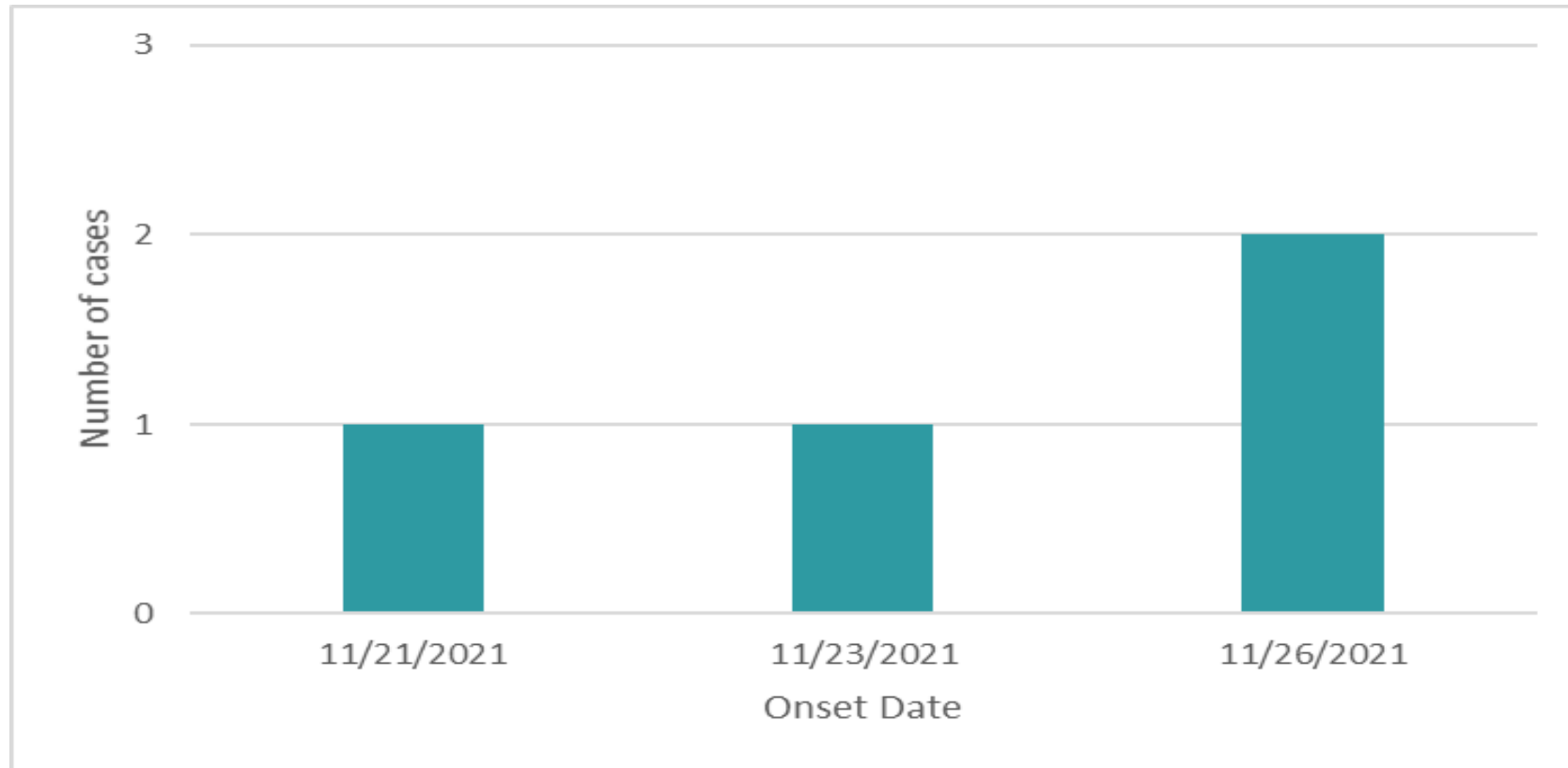
Table 3. Patient outcomes in *E. coli* O121 cluster as of December 21, 2021

Outcomes	n (%)
Hospitalized (n=2)	0 (0)
HUS (n=2)	0 (0)
Died (n=2)	0 (0)

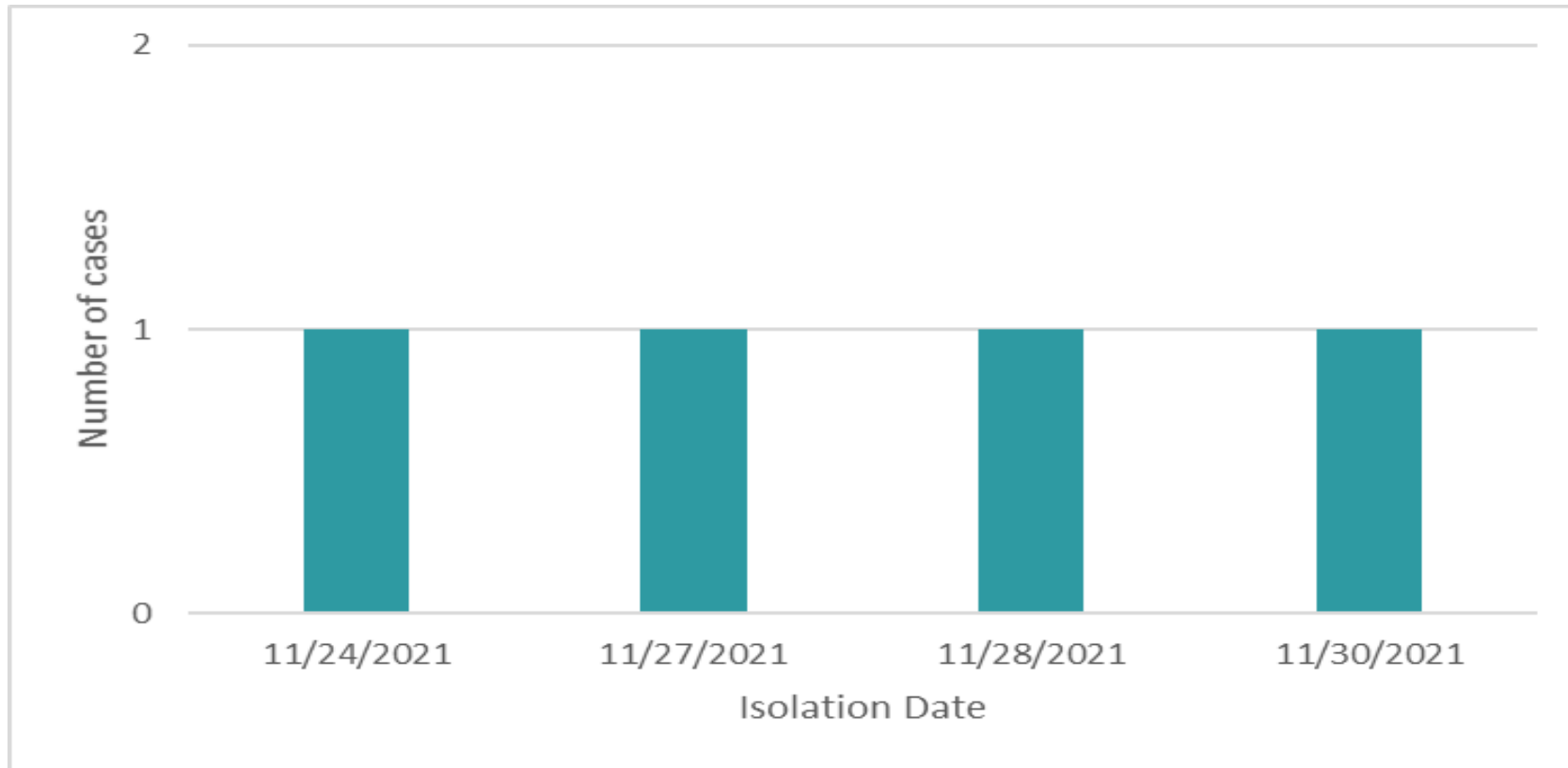
Cases of *E. coli* O121 cluster, by state residence, as of December 21, 2021



Cases of *E. coli* O121 cluster, by onset date, as of December 21, 2021



Cases of *E. coli* O121 cluster, by isolation date, as of December 21, 2021



Common exposures as of December 21, 2021

- Panera Bread 2/4 (50%)
 - WA (2)
- Chipotle 2/4 (50%)
 - MN (2)
- Leafy greens: 4/4 (100%)
 - Romaine (4), Arugula (2), Kale (2), Red Leaf (2)
- Chicken: 4/4 (100%)

Panera Bread exposures as of December 21, 2021

Case 1

- Green Goddess Salad 11/19/2021
 - Arugula, Romaine, Kale, & Red Leaf Blend
 - Chicken

Case 2

- Caesar Salad 11/19/2021
 - Substituted Romaine for Arugula, Romaine, Kale, & Red Leaf Blend
 - Chicken

Chipotle exposures as of December 21, 2021

Case 1

- Burrito Bowl 11/20/2021
 - Rice
 - Lettuce
 - Chicken
 - Cheese
 - Salsa
 - Sour cream
 - Smoked brisket

Case 2

- Burrito Bowl 11/23/2021
 - Steak
 - Chicken
 - Lettuce
 - Cheese
 - Sour cream
- Tacos 11/25/2021
 - Steak
 - Chicken
 - Lettuce
 - Cheese
 - Sour cream

Receiving logs – Panera Bread

Lettuce Romaine Chopped 6x2.5 lb Receiving Details				
Shipment	Lot number	Use by date	Region of harvest	Date harvested
11/19/2021	Lot #1: YTF319B23	Use by Date of Lot #1 : 12/01/2021	Yuma, AZ	11/12/2021
11/18/2021	Lot #1: STF314B14	Use by Date of Lot #1 : 11/28/2021	Salinas Valley, California	11/6/2021
11/17/2021	Lot #1: STF314B14	Use by Date of Lot #1 : 11/28/2021	Salinas Valley, California	11/6/2021
11/16/2021	Lot #1: STF312B14; Lot #2: STF314B14	Use by Date of Lot #1 : 11/26/2021; Use by Date of Lot #2 : 11 /28/2021	Salinas Valley, California	11/4/2021
11/15/2021	Lot #1: STF311B14	Use by Date of Lot #1 : 11/24/2021	Salinas Valley, California	11/3/2021
11/14/2021				
11/13/2021	Lot #1: STF311B14; Lot #2: STF310B14; Lot #3: STF309B14	Use by Date of Lot #1 : 11 /24/2021; Use by Date of Lot #2 : 11 /22/2021; Use by Date of Lot #3 : 11 /21 /2021	Salinas Valley, California	11/2/2021
11/12/2021	Lot #1: STF309B14; Lot #2: STF308B14; Lot #3: STF307B14	Use by Date of Lot #1 : 11 /21/2021; Use by Date of Lot #2 : 11 /20/2021; Use by Date of Lot #3 : 11/19/2021	Salinas Valley, California	11/1/2021
11/11/2021	Lot #1: STF308B14	Use by Date of Lot #1 : 11 /20/2021	Salinas Valley, California	10/31/2021
11/10/2021	Lot #1: STF308B14	Use by Date of Lot #1 : 11/20/2021	Salinas Valley, California	10/31/2021
11/9/2021	Lot #1: STF308B14; Lot #2: STF307B14	Use by Date of Lot #1 : 11 /20/2021; Use by Date of Lot #2 : 11 /19/2021	Salinas Valley, California	10/30/2021
11/8/2021	Lot #1: STF306B14; Lot #2: STF30814	Use by Date of Lot #1 : 11 /18/2021; Use by Date of Lot #2 : 11 /19/2021	Salinas Valley, California	10/29/2021
11/7/2021				
11/6/2021	Lot #1: STF303B14; Lot #2: STF304B14	Use by Date of Lot #1 : 11/15/2021; Use by Date of Lot #2 : 11/16/2021	Salinas Valley, California	10/27/2021
11/5/2021	Lot #1: STF303B14	Use by Date of Lot #1 : 11/15/2021	Salinas Valley, California	10/26/2021
11/4/2021	Lot #1: STF303B14	Use by Date of Lot #1 : 11 /15/2021	Salinas Valley, California	10/26/2021
11/3/2021	Lot #1: STF299B14; Lot#2: STF303B14	Use by Date of Lot #1 : 11/11/2021; Use by Date of Lot #2 : 11/15/2021	Salinas Valley, California	10/22/2021
11/2/2021	Lot #1: STF299B14	Use by Date of Lot #1 : 11/11/2021	Salinas Valley, California	10/22/2021
11/1/2021	Lot #1: STF299B14	Use by Date of Lot #1 : 11/11/2021	Salinas Valley, California	10/22/2021
10/31/2021				
10/30/2021				
10/29/2021	Lot #1: STF296B14	Use by Date of Lot #1 : 11 /08/2021	Salinas Valley, California	10/19/2021
10/28/2021	Lot#1: STF293B14; Lot #2: STF296B14	Use by Date of Lot #1 : 11 /05/2021; Use by Date of Lot #2 : 11/08/2021	Salinas Valley, California	10/16/2021
10/27/2021	Lot#1: STF293B14	Use by Date of Lot #1 : 11/05/2021	Salinas Valley, California	10/16/2021
10/26/2021	Lot #1: STF293B14	Use by Date of Lot #1 : 11/05/2021	Salinas Valley, California	10/19/2021
10/25/2021	Lot #1: STF293B14	Use by Date of Lot #1 : 11 /05/2021	Salinas Valley, California	10/16/2021
10/24/2021				
10/23/2021	Lot #1 : STF292B14	Use by Date of Lot #1 : 11/04/2021	Salinas Valley, California	10/15/2021
10/22/2021	Lot #1: STF288B14	Use by Date of Lot #1 : 10/31/2021	Salinas Valley, California	10/15/2021
10/21/2021	Lot #1: STF286B13; Lot #2: STF288B14	Use by Date of Lot #1 : 10/29/2021; Use by Date of Lot#2 : 10/31/2021	Salinas Valley, California	10/11/2021
10/20/2021	Lot#1: STF288B14	Use by Date of Lot#1 : 10/31/2021	Salinas Valley, California	10/13/2021
10/19/2021	Lot#1:STF286B13	Use by Date of Lot #1 : 10/29/2021	Salinas Valley, California	10/12/2021