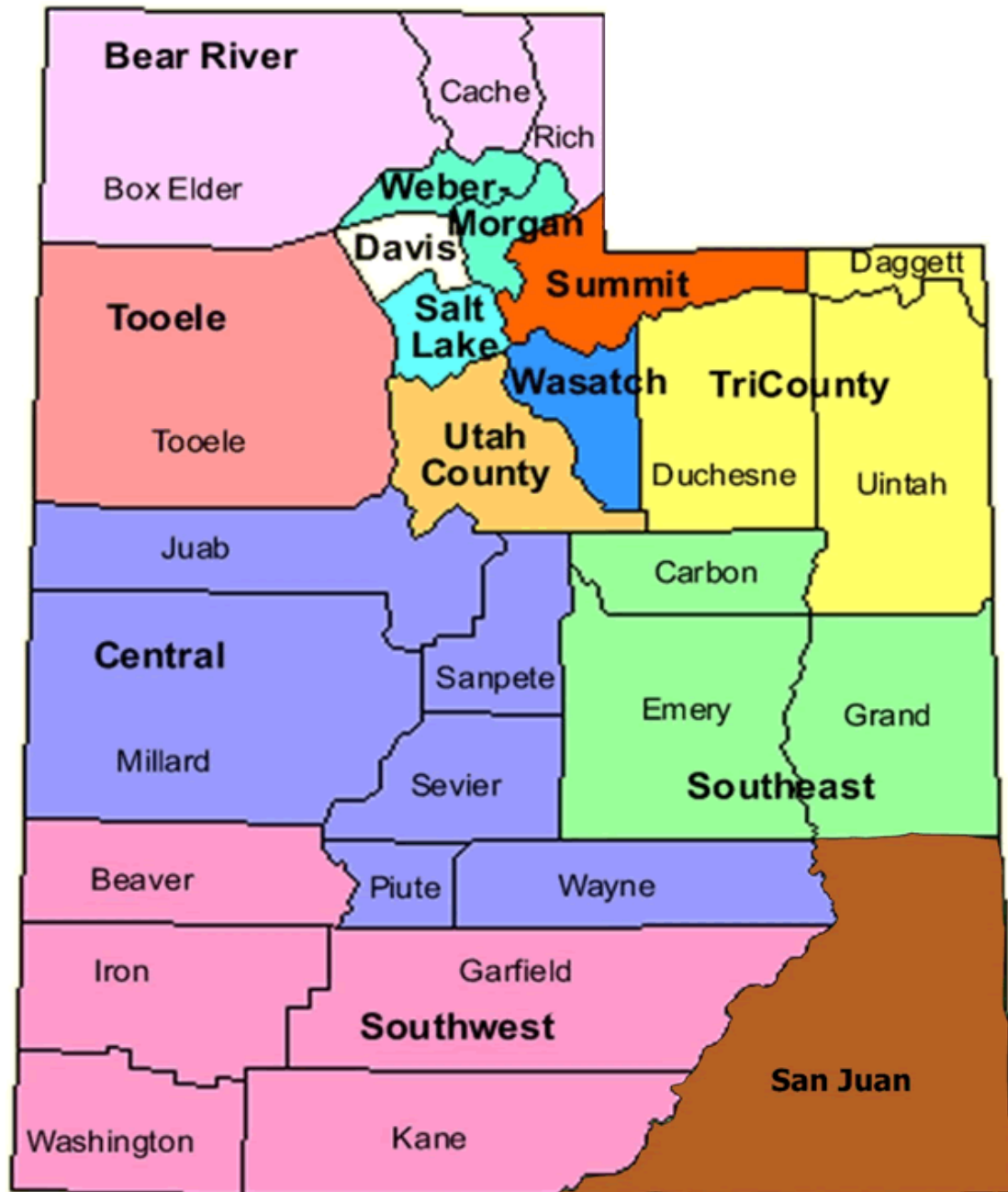


Utah Department of Health Epidemiology Workflow

Kenneth R. Davis, MPH



Utah



5 year average of case counts

Disease	Confirmed	Probable
Listeria	4	0
STEC	94	26
Salmonella	363	17
Shigella	40	19
Campylobacter	390	138
Total	891	200

Complaints, Clusters, and Outbreaks

- ▶ 500 Foodborne Illness Complaints
- ▶ 75 Clusters identified
 - 35 Campy
 - 30 Salmonella
 - 10 STEC
- ▶ 50 Outbreaks reported to NORS
 - Most are Norovirus outbreaks



Priority

1. Listeria

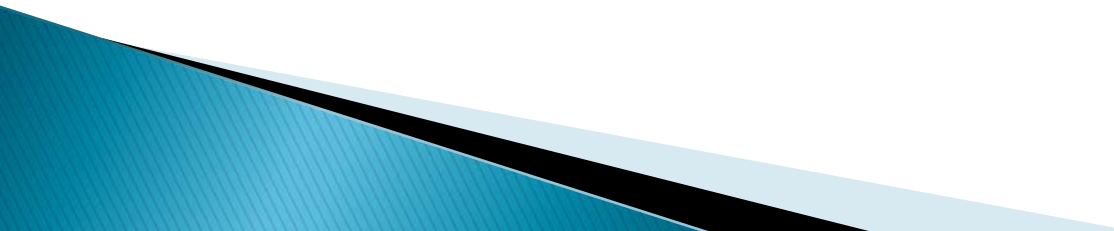
2. STEC

3. Salmonella

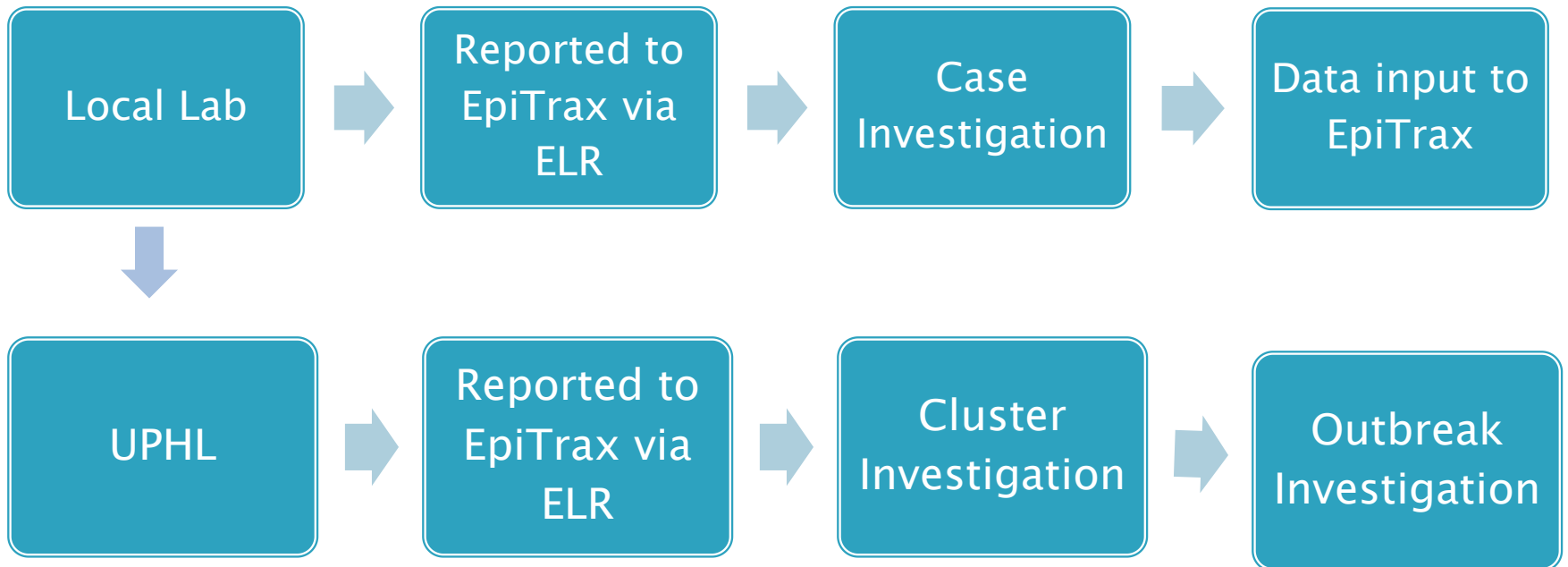
4. Shigella

5. Campylobacter

Communication

- ▶ E-mail
 - ▶ Google Chats
 - ▶ Phone Calls
 - ▶ Weekly Stand-up Meeting
 - ▶ Lab Meeting every two weeks
 - ▶ Monthly FoodCORE Meeting
- 

Workflow



EpiTrax

EpiTrax

Welcome, Kenneth Davis

NEW CMR | EVENTS | OUTBRE

Edit Morbidity Event

* Options ▾ * Workflow Options ▾ † View ▾ ↔ Navigate ▾

Builder, Bob

Record #: 2018393557

Event date

11/08/2018

Event type

Morbidity

Workflow status

Assigned to LHD

Investigator

Not assigned

Disease

Salmonellosis

Investigating Agency

Salt Lake County

Demographic

Clinical

Laboratory

Contacts

Encounters

Investigation

Notes

Administrative

Name

Last name

Builder

First name

Bob

Middle name

Parent/Guardian

Age

Date of birth

01/01/1960

Current age

59 Years 1 Month

Age at onset

Unknown

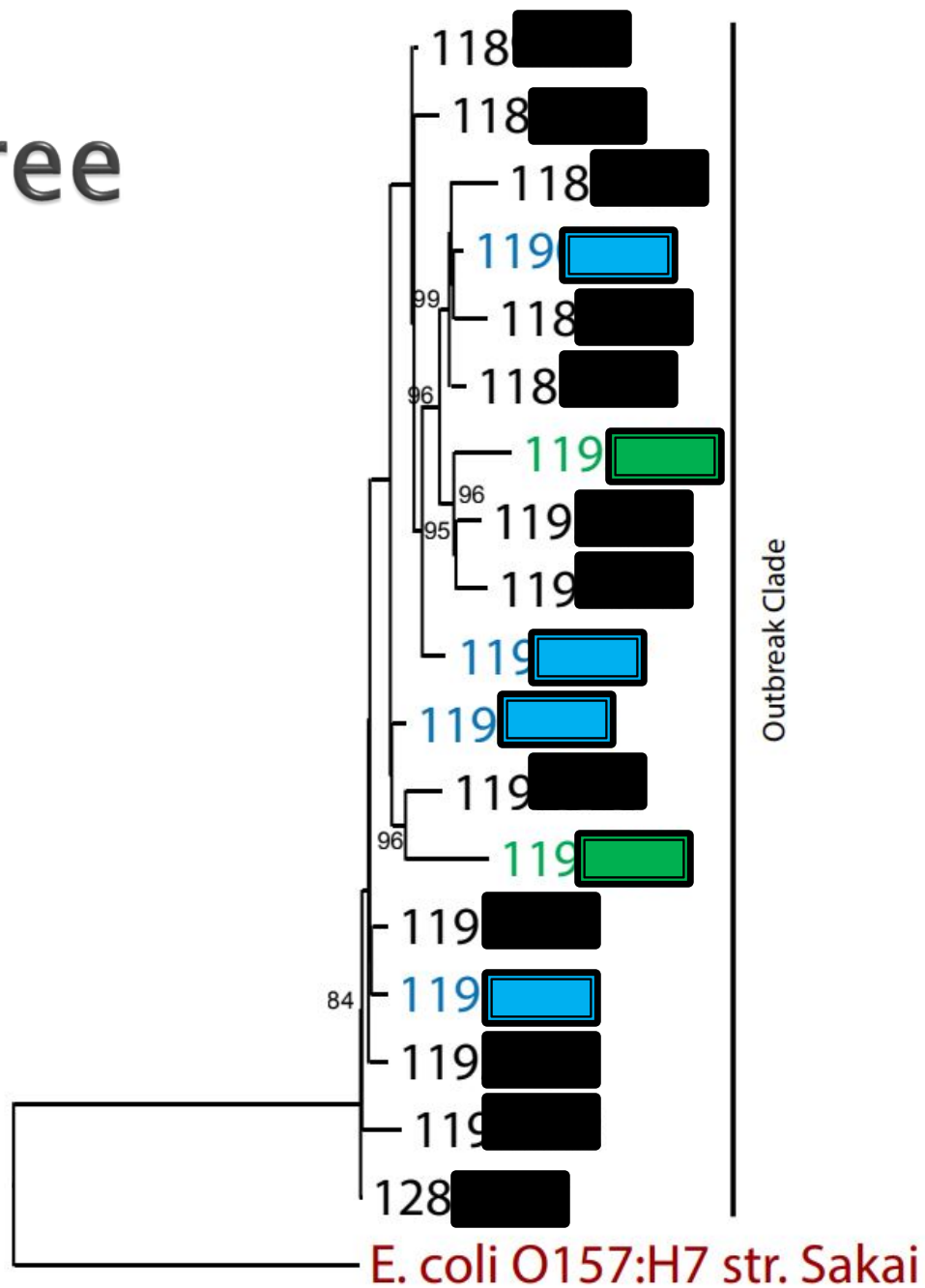
Age at event date

58 Years 10 Months 7 Days

Cluster Identification

	A	C	D	Q
1	Salmonella			
2	PFGE ▼	Serotype ▼	LHD ▼	Risk Factor 1 ▼
5	UTJEGX01.086	enteritidis	Davis	Unknown
6	UTJEGX01.086	enteritidis	Davis	Unknown
7	UTJEGX01.086	enteritidis	Davis	Suspect Meat Exposure
8	UTJEGX01.086	enteritidis	Utah	LTF
9	UTJEGX01.086	enteritidis	Weber-Morgan	Other
10	UTTDKX01.008	hadar	Central	Animal Exposure
11	UTTDKX01.008	hadar	Central	Other
12	UTJPXX01.370	I 4,[5],12:i:-	Southwest	Unknown
13	UTJPXX01.370	I 4,[5],12:i:-	Southwest	Immunocompromised

WGS Tree



Additional Surveillance

Utah Department of Health Monthly Enteric Report January 2019

Current counts and rates of selected reportable enteric diseases compared to an historical 5-year

Disease/Condition within Each District	Jan 2019 Count	Jan 2019 Rate	5-yr Jan Avg Count*	2019 YTD Count†	5-yr YTD Avg Count**	Trend‡
Utah State						
Campylobacteriosis	56	22	32.0	56	32.0	↑
Cryptosporidiosis	11	4.3	9.0	11	9.0	↑
Giardiasis	6	2.3	13.4	6	13.4	↓
Salmonellosis	23	8.9	23.6	23	23.6	→
Shiga toxin-producing <i>Escherichia coli</i> (STEC) infection	13	5.0	2.4	13	2.4	↑
O157	5	1.9	1.0	5	1.0	↑
non-O157	5	1.9	1.4	5	1.4	↑
Shigellosis	6	2.3	5.2	6	5.2	↑

Questions?

- ▶ Kenneth Davis, MPH
- ▶ krdavis@utah.gov