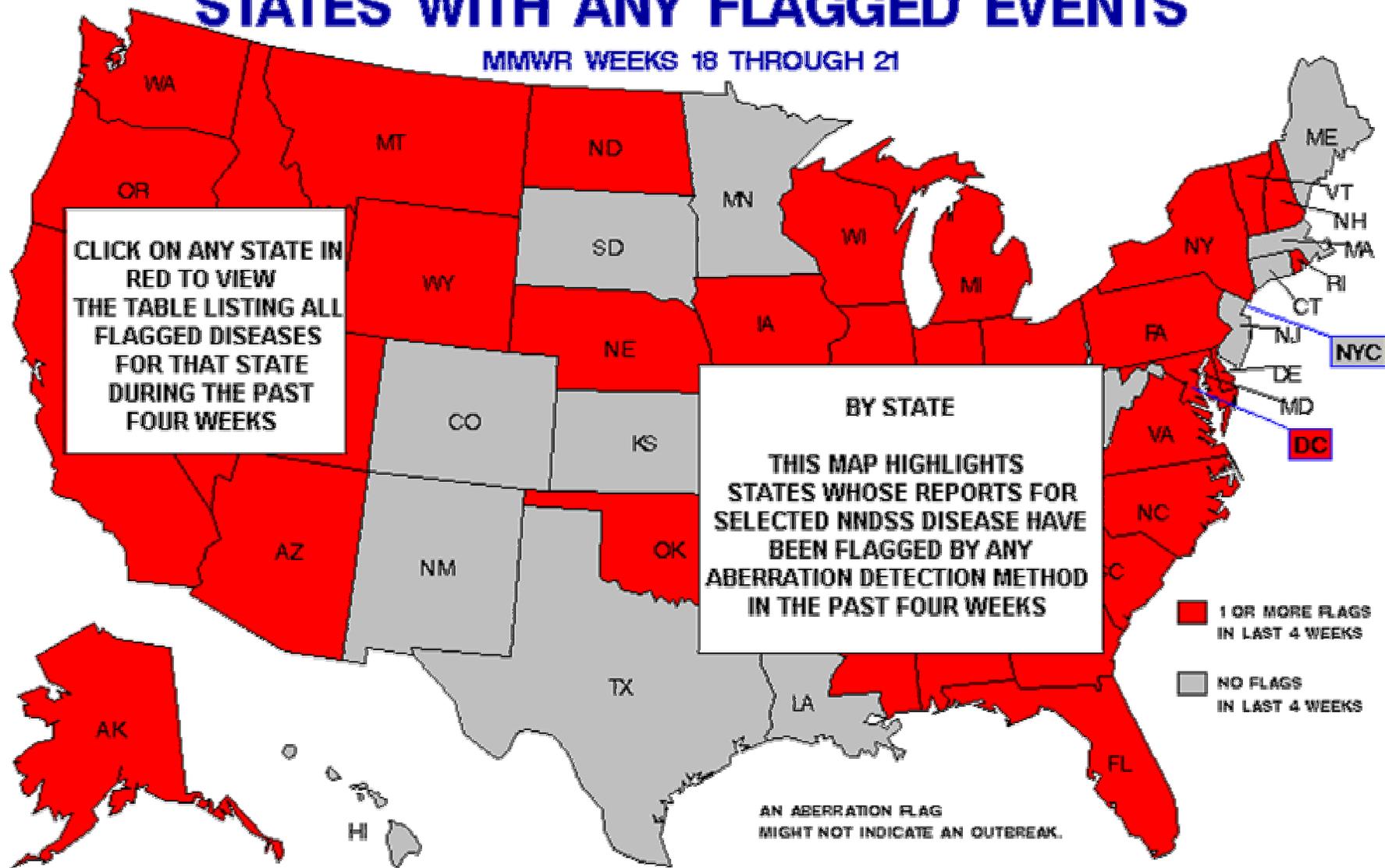


# ABERRATION DETECTION STATES WITH ANY FLAGGED EVENTS

MMWR WEEKS 18 THROUGH 21

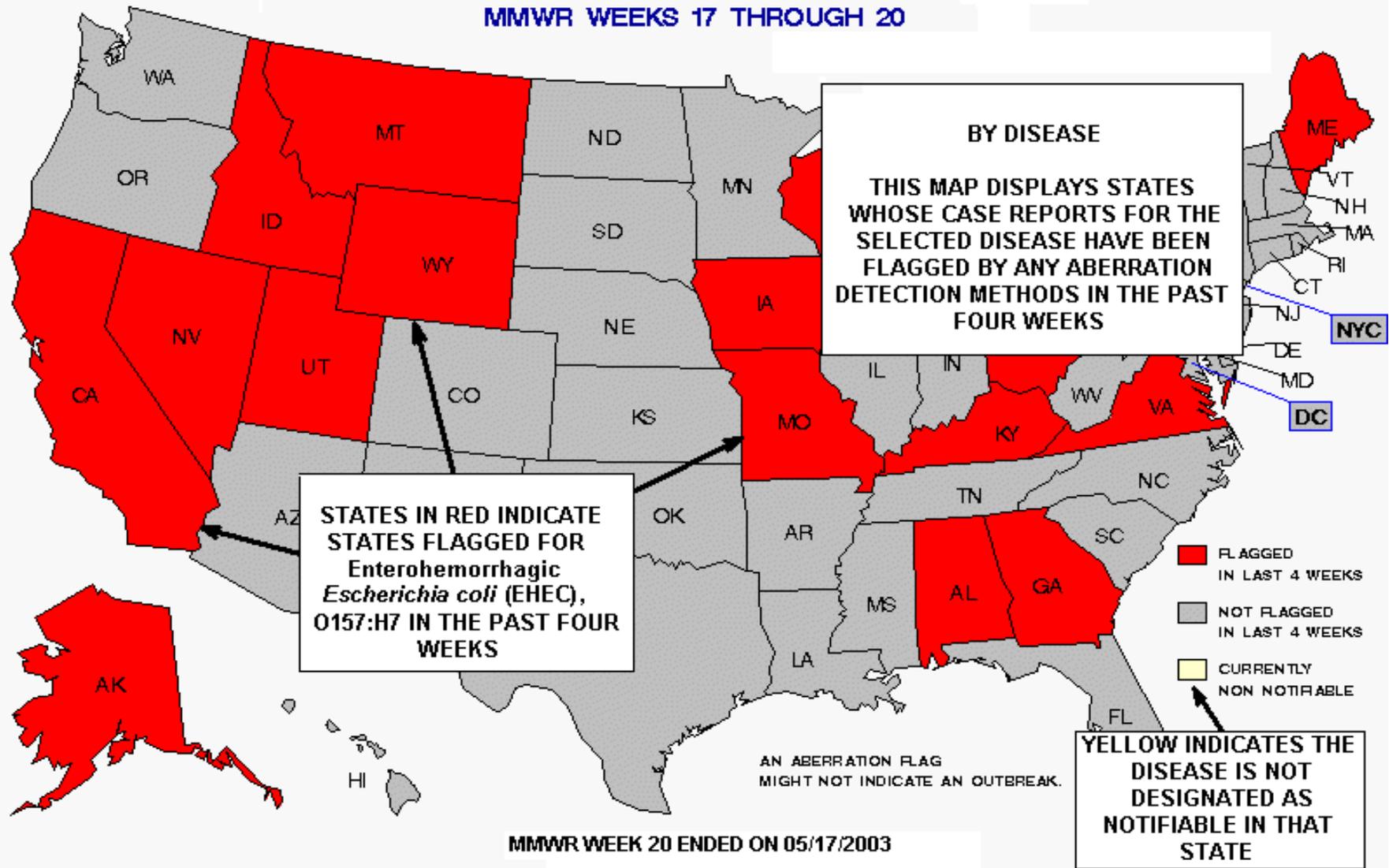


MMWR WEEK 21 ENDED ON 05/24/2003

## ABERRATION DETECTION

Enterohemorrhagic *Escherichia coli* (EHEC), O157:H7

MMWR WEEKS 17 THROUGH 20



# ABERRATION DETECTION

## All USA

EVENTS APPEAR IN THE TABLE IF FLAGGED BY ANY OF THE METHODS IN ANY OF THE LAST FOUR WEEKS

TABLES ARE PRODUCED FOR EVENTS FLAGGED IN THE PAST FOUR WEEKS AT THE NATIONAL LEVEL AND AT THE STATE SPECIFIC LEVEL

FLAGGED EVENTS FOR MMWR WEEKS 19 THRU

EVENT	WEEK	COUNT (YTD)						CUSUM		DETECTION FLAGS
		1998	1999	2000	2001	2002	2003	MEAN	STD*	
<a href="#">Enterohemorrhagic Escherichia coli (EHEC), O157:H7</a>	19	0 (3)	0 (1)	0 (7)	0 (5)	0 (1)	2 (11)	0.20	0.20	CUSUM
<a href="#">Salmonellosis</a>	19					2 (43)	6 (68)	2.20	0.45	CUSUM
<a href="#">Shigellosis</a>	22					0 (2)	1 (9)	0.20	0.45	CUSUM

LISTS EVENTS FLAGGED BY ANY METHOD IN ANY OF THE LAST FOUR WEEKS; CLICK ON THE EVENT TO VIEW THE GRAPH OF FLAGGING STATUS OVER THE LAST FIFTY-TWO WEEKS

MMWR WEEK 22 ENDED ON 05/31/2003

\* STANDARD DEVIATION

# ABERRATION DETECTION

## AII USA

### FLAGGED EVENTS FOR MMWR WEEKS 17 THROUGH 20

EVENT	WEEK	COUNT (YTD)						CUSUM		DETECTION FLAGS
		1998	1999	2000	2001	2002	2003	MEAN	STD <sup>#</sup>	
<a href="#">Enterohemorrhagic Escherichia coli (EHEC), O157:H7</a>	18	24 (434)	17 (439)	22 (483)	23 (561)	28 (696)	47 (562)	22.80	3.96	CUSUM
<a href="#">Salmonella</a>	18	62 (976)	72 (985)	67 (1,421)	78 (1,681)	72 (972)	60 (132)	70.00	5.96	CUSUM
	19	62 (976)	72 (985)	67 (1,421)	78 (1,681)	71 (2,203)	66 (2,400)	70.00	5.96	CUSUM
	20	36 (1,012)	67 (1,052)	85 (1,506)	79 (1,760)	146 (2,349)	121 (2,521)	82.60	40.17	CUSUM

**HISTORICAL DATA:**  
TOTAL NUMBER OF REPORTED CASES OF ALL U.S. STATES FOR THE 18TH MMWR WEEK OVER THE LAST FIVE YEARS

**CURRENT DATA:**  
NUMBER OF REPORTED CASES FOR THE 18TH MMWR WEEK OF THE CURRENT YEAR

**MEAN AND STANDARD DEVIATION OF HISTORICAL DATA USED IN CUSUM METHOD**

MMWR WEEK 20 ENDED ON 05/17/2003

\* STANDARD DEVIATION

CDC/EPO/DPHSI/SSB

# ABERRATION DETECTION

## North Carolina

FLAGGED EVENTS FOR MMWR WEEKS 19 THROUGH 20

STATE-SPECIFIC TABLE INCLUDES EVENTS FLAGGED BY ANY OF THE METHODS IN ANY OF THE LAST FOUR WEEKS FOR THE SELECTED STATE

EVENT	WEEK	COUNT (YTD)						MEAN	STD	METHOD	FLAGS
		1998	1999	2000	2001	2002	2003				
<u>Salmonellosis</u>	20	9 (255)	28 (330)	11 (252)	23 (369)	13 (318)	30 (351)	16.80	8.26		CUSUM
<u>Shigellosis</u>	19	2 (99)	0 (74)	4 (42)	9 (145)	7 (109)					CUSUM HIST LIMITS
				2 (51)	5 (157)	4 (119)					HIST LIMITS

YEAR-TO-DATE DATA INCLUDING NUMBER OF REPORTED CASES FROM THE FIRST TO THE TWENTIETH MMWR WEEKS, PROVIDED FOR COMPARISON

SPECIFIES ABERRATION DETECTION METHOD THAT GENERATED THE FLAG DURING THAT WEEK

MMWR WEEK

\* STANDARD D

# ABERRATION DETECTION

## California

### FLAGGED EVENTS FOR MMWR WEEKS 19 THROUGH 22

EVENT	WEEK	COUNT (YTD)						CUSUM		DETECTION FLAGS
		1998	1999	2000	2001	2002	2003	MEAN	STD*	
<u>Botulism, other (wound and unspecified)</u>	20	2 (9)	0 (9)	3 (8)						MANUAL (1)
	22	0 (10)	1 (10)	0 (9)						MANUAL (1)
<u>Enterohemorrhagic Escherichia coli (EHEC), O157:H7</u>	19	0 (36)	1 (21)	3 (50)						CUSUM
<u>Hemolytic uremic syndrome, postdiarrheal</u>	19	0 (0)	0 (7)	0 (9)	0 (7)	0 (7)	1 (6)	0.20	0.20	CUSUM
<u>Typhoid fever</u>	20	1 (28)	1 (24)	1 (23)	0 (21)	2 (26)	2 (31)	1.00	0.71	CUSUM

FOR NNDSS DISEASES ASSOCIATED WITH CATEGORY A BIOTERRORISM AGENTS, A MANUAL THRESHOLD (IN PARENTHESES) IS USED. IF THE CURRENT DISEASE REPORT COUNTS ARE GREATER THAN OR EQUAL TO THE DEFINED THRESHOLDS, A MANUAL FLAG WILL BE GENERATED.

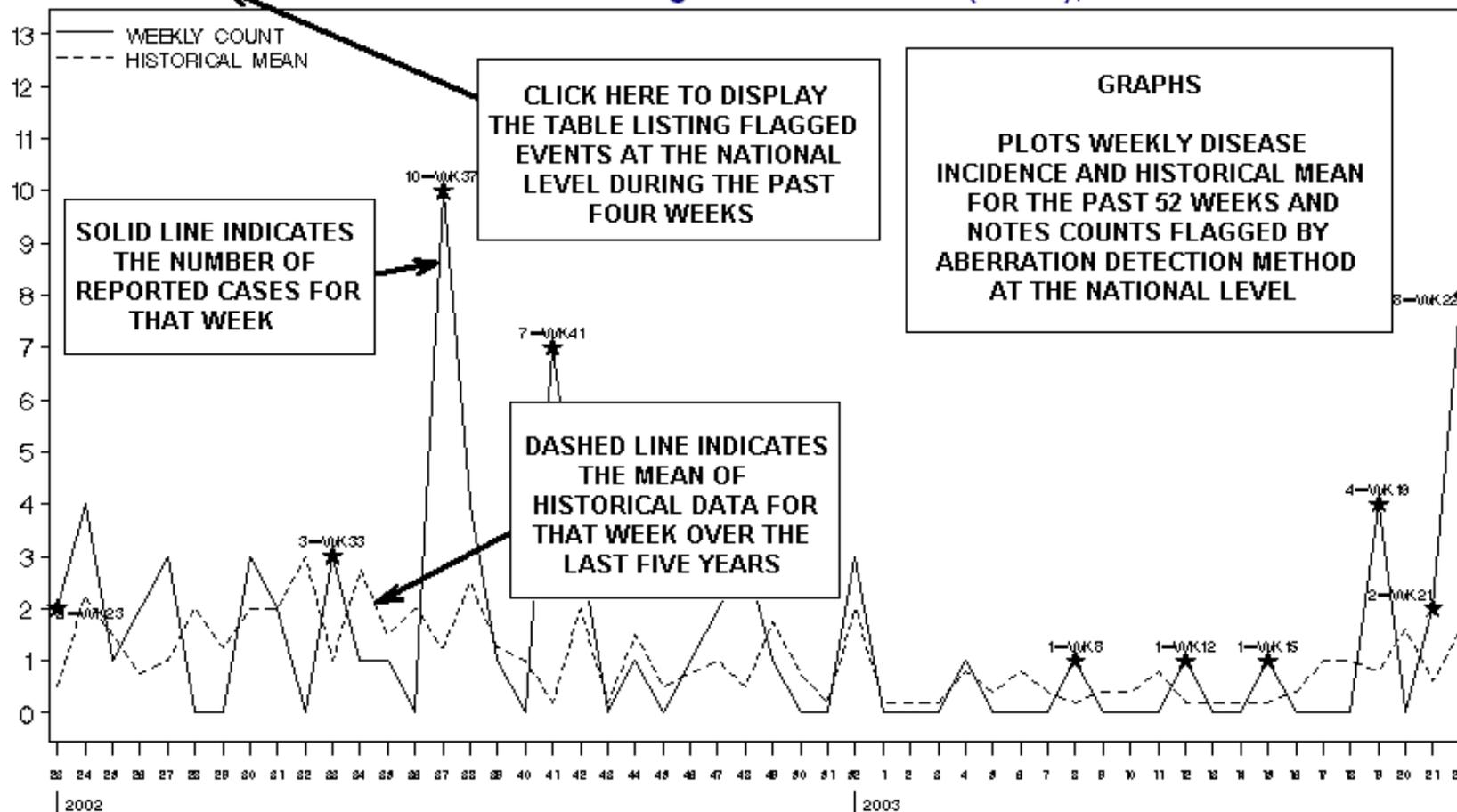
MMWR WEEK 22 ENDED ON 05/31/2003

\* STANDARD DEVIATION

# ABERRATION DETECTION

Enterohemorrhagic *Escherichia coli* (EHEC), O157:H7

All USA



**ABERRATION DETECTION METHOD FLAGS**

HISTORICAL LIMITS
  CUSUM
  COMBINED

FLAGGED BY BOTH CUSUM AND HISTORICAL LIMITS METHODS

# ABERRATION DETECTION

Botulism, other (wound and unspecified)

California

