From:
 Marston, Barbara J. (CDC/CGH/DGHP)

 Sent:
 Sat, 13 Jun 2015 10:30:00 -0400

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills, Kimberly C. (CDC/OD/OCS); Braden, Chris (CDC/OID/NCEZID); CDC IMS OD LNO; CDC IMS Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Bumpus, Stefanie (CDC/OD/OCS); Brown, Clive (CDC/OID/NCEZID); Frieden, Thomas (Tom) (CDC/OD); Demby, Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID); Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth (CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon, Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle, Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle (CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID); Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR); Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W. (CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca (CDC/CGH/DGHP); Hersey, Sara (CDC/CGH/DGHP); Glover, Maleeka (CDC/OID/OD); Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B. (CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan, Daniel B. (CDC/OID/NCIRD); English, Lorna M. (CDC/ONDIEH/NCCDPHP); CDC IMS DGMQ Task Force Leader/Deputy; Irwin, Kathleen L. (CDC/OID/NCHHSTP); Kretsinger, Katrina (CDC/CGH/GID); Linkins, Robert (CDC/CGH/GID)

Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO); Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD); McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A. (CDC/OID/NCHHSTP); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E. (CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta, Neil (CDC/OID/NCEZID); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre (CDC/OID/NCEZID); Ransom, Ray (CDC/CGH/DGHP); CDC IMS Health Promotion; Pembleton, Elizabeth (CDC/OID/NCEZID) (CTR); Lindblade, Kimberly (Kim) (CDC/OID/NCIRD); Henderson, Alden (CDC/CGH/DGHP); Pappas, Claudia (CDC/OID/NCIRD); Waterman, Steve (CDC/OID/NCEZID); Kahn, Emily B. (CDC/OPHPR/DSLR); Moore, Melissa (CDC/OID/NCIRD); Balish, Amanda (CDC/OID/NCIRD); Weirich, Elizabeth (CDC/OPHSS/CSELS); Anderson, Mark (CDC/CGH/DGHP); Chen, Guan Ming (CDC/OPHSS/CSELS) (CTR); Nowlin, Sue (CDC/NIOSH/DSHEFS); Sniadack, David (CDC/CGH/GID); Dennis, Miatta (CDC/CGH/DGHP); Lawrence, Gena G. (CDC/CGH/DPDM); Jones, LaBrina M. (CDC/OPHPR/DEO); CDC IMS Incident Manager Task Tracker; Karem, Kevin (CDC/CGH/OD)

Subject: RE: Ebola: Country Call Sierra Leone

Attachments: Weekly Epi Report 12 June 2015 FINAL.PPTX



----Original Appointment----

From: EOC Conf/Bridge Calendar (CDC)
Sent: Monday, November 24, 2014 9:00 AM

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Marston, Barbara J. (CDC/CGH/DGHP); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS

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AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills,
Kimberly C. (CDC/OD/OCS); Braden, Chris (CDC/OID/NCEZID); CDC IMS OD LNO; CDC IMS
Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Bumpus, Stefanie
(CDC/OD/OCS); Brown, Clive (CDC/OID/NCEZID); Frieden, Thomas (Tom) (CDC/OD); Demby,
Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID);
Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth
(CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon,
Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle,
Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle
(CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID);
Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR);
Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W.
(CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca
(CDC/ONDIEH/NCCDPHP); Hersey, Sara (CDC/CGH/DGHA); Glover, Maleeka (CDC/OID/OD);
Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B.
(CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan,
Daniel B. (CDC/OID/NCIRD); English, Lorna M. (CDC/ONDIEH/NCCDPHP); CDC IMS DGMQ Task
Force Leader/Deputy; Irwin, Kathleen L. (CDC/OID/NCHHSTP); Kretsinger, Katrina
(CDC/CGH/GID); Linkins, Robert (CDC/CGH/GID)
Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie
Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO);
Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD);
McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A.
(CDC/CGH/GID); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E.
(CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta,
Neil (CDC/OID/NCHHSTP); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre
(CDC/OID/NCEZID); Ransom, Ray (CDC/CGH/DGHP); CDC IMS Health Promotion; Pembleton,
Elizabeth (CDC/OID/NCEZID) (CTR); Lindblade, Kimberly (Kim) (CDC/OID/NCIRD); Henderson,
Alden (CDC/CGH/DGHP); Pappas, Claudia (CDC/OID/NCIRD); Waterman, Steve
(CDC/OID/NCEZID); Kahn, Emily B. (CDC/OPHPR/DSLR); Moore, Melissa (CDC/OID/NCIRD);
Balish, Amanda (CDC/OID/NCIRD); Weirich, Elizabeth (CDC/OPHSS/CSELS); Anderson, Mark
(CDC/CGH/DGHP); Chen, Guan Ming (CDC/OPHSS/CSELS) (CTR); Nowlin, Sue
(CDC/NIOSH/DSHEFS); Sniadack, David (CDC/CGH/GID); Dennis, Miatta (CDC/CGH/DGHP);
Lawrence, Gena G. (CDC/CGH/DPDM); Jones, LaBrina M. (CDC/OPHPR/DEO); CDC IMS Incident
Manager Task Tracker; Karem, Kevin (CDC/CGH/OD)
Subject: Ebola: Country Call Sierra Leone
When: Saturday, June 13, 2015 10:25 AM-10:55 AM (UTC-05:00) Eastern Time (US & Canada).
```

Please note that starting April 18, 2015 duration for this call is 30 minutes and the time will be as follows:

Atlanta: 10:25-10:55 AM

Where: Conference Call Onl

Sierra Leone: 2:25-2:55 PM

Updated bridgeline

POC: INTL TF Barbara Marston & Lorna English

The call line information is:

Bridgeline: Passcode:	(11)((1)		1
Internationa	And the second s	(b)(6)

For any changes or updates, please contact EOCReport@cdc.gov or phone (770) 488-7100

Sierra Leone Ebola Response Epidemiology Overview June 13, 2015

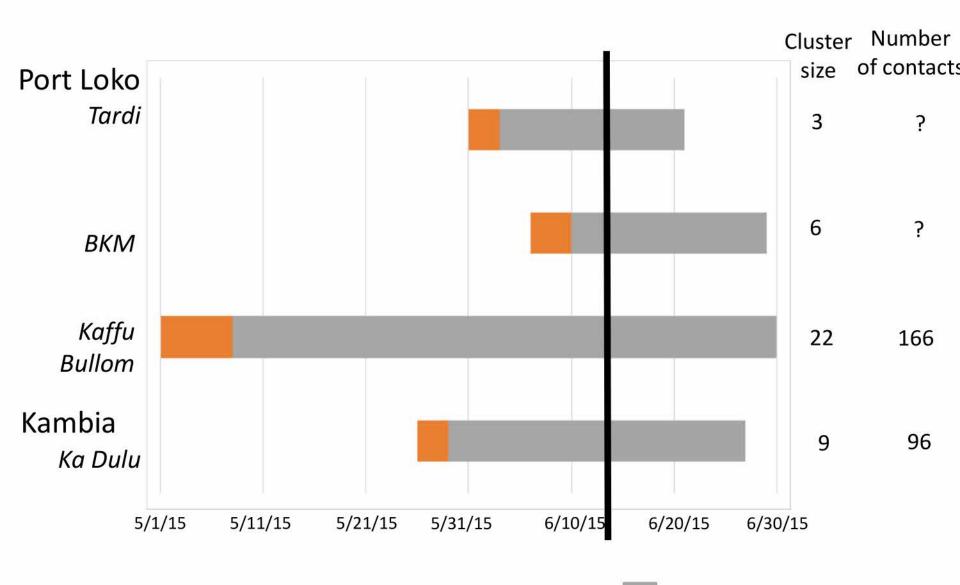
Summary of New Cases

Summary Case Counts																	
	Epi Week 23								Epi Week 24*								
	1-Jun	2-Jun	3-Jun	4-Jun	2-Jun	e-Jun	7-Jun	Totals		8-Jun	9-Jun	10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	Totals
Kambia		1	C.		1		3(1)	5(1)		1	2	2					
Western																	
Port Loko	1	1	1	2	1(1)	2	2(1)	10(1)		2	2	3					
National	1	2	1	2	2(1)	2	5(2)	15(3)		3	4	5	0	0			,
Port Loko	1	2	1	2			1 ,	1 1			4		0	0			

^{*}Epi week 24 is incomplete Current as of 12:00pm GMT June 13, 2015

Cluster Tracking

Clusters by District and Chiefdom



Quarantine period

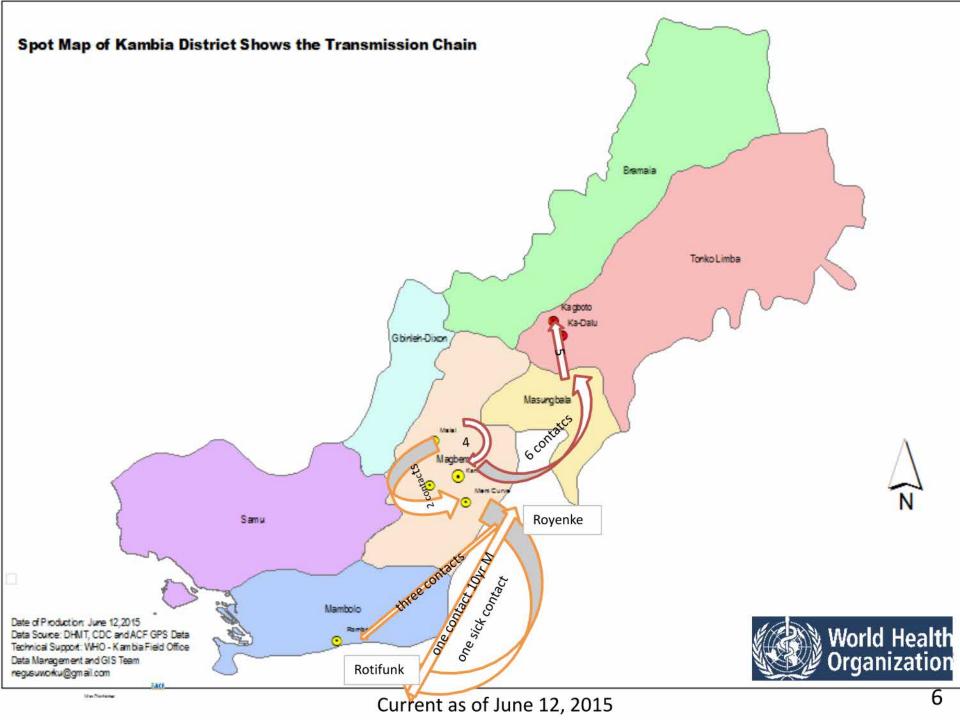
Kambia

Ka-Dalu Cluster

• **Cases:** 9

Contacts: 96

- Date quarantine ends: estimated June 27
- Epi-link: Imported case from Kamba, Magbema Chiefdom



Port Loko

Kaffu Bullom Cluster

Cases: 22

Contacts: 166

Date quarantine ends: June 30, 2015

Epi-link: Imported case from Kambia

Port Loko

BKM Cluster

- Cases: 6
- Contacts: under investigation
- Date quarantine ends: June 29, 2015
- Epi-link: Mene Curve (Kambia) cluster

Port Loko

- Kaffu Bullom, Tardi
- Cases: 3
- Contacts: under investigation
- Date quarantine ends: June 21, 2015
- Epi-link: under investigation

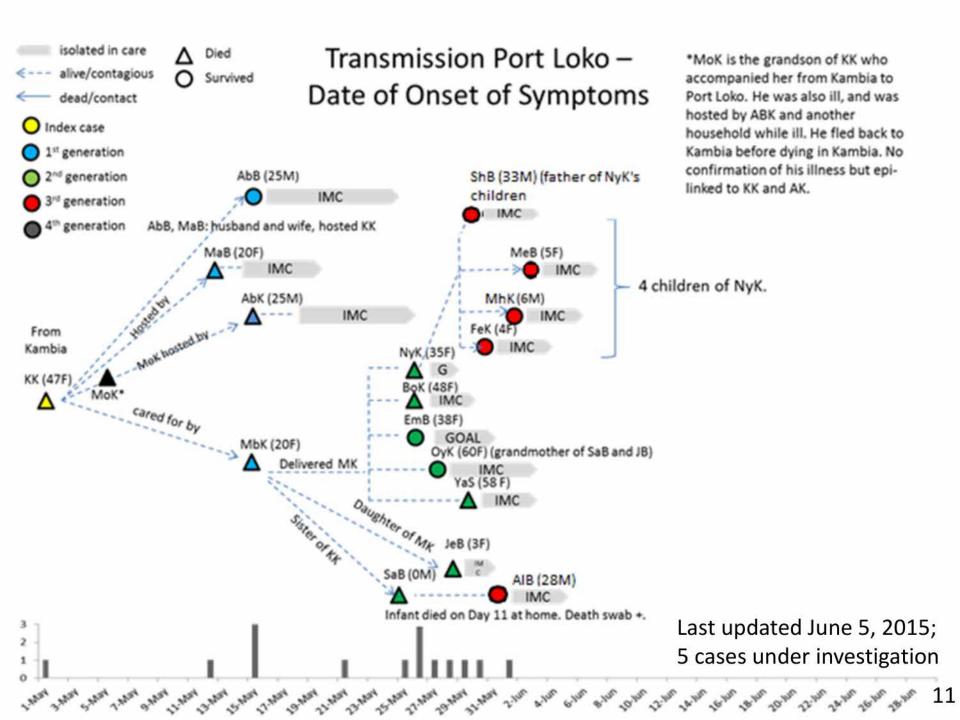
Port Loko – Ambulance Driver Investigation

<u>Date of Onset</u>: June 4th (previously seen in Lungi Hospital May 15th)

Exposure: under investigation; conflicting reports

- Ambulance Driver for Lungi Hospital, non-EVD transport, mostly maternity
- May have transported herbalist from Kaffu Bullum cluster

<u>Contacts</u>: 50 (10 HCWs, 4 other hospital workers (e.g., security), 36 community); more under investigation



EVD Diagnosis at Death Epi Week #23

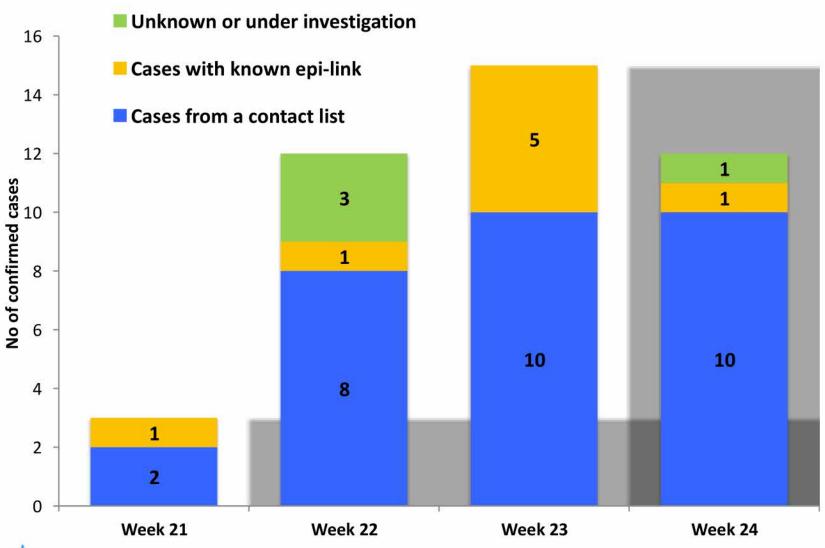
Kambia – 1 corpse

 2 yo female died on June 7; positive swab on June 7. Not on a contact list, not from quarantine home; epi-linked to Kaffu Bullom

Port Loko – 2 corpses

- 56 yo female died on June 4; positive swab on June 5.
 Known contact from a quarantine home
- 9 yo female died on June 6; positive swab on June 7. Known contact from quarantine home

Trend of EVD Positive Cases and Their Sources of Transmission





Epi weeks
Information is current for recent epi weeks and may not be retrospectively updated

ZMAPP TRIAL UPDATE

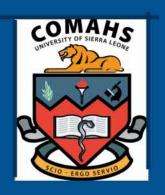
Zmapp Trial

- Medication arrived April 2nd in Sierra Leone
- Trial began April 3rd
- Enrolled 30 people in Sierra Leone
 - -23 adults
 - -7 children

VACCINE STUDY UPDATE



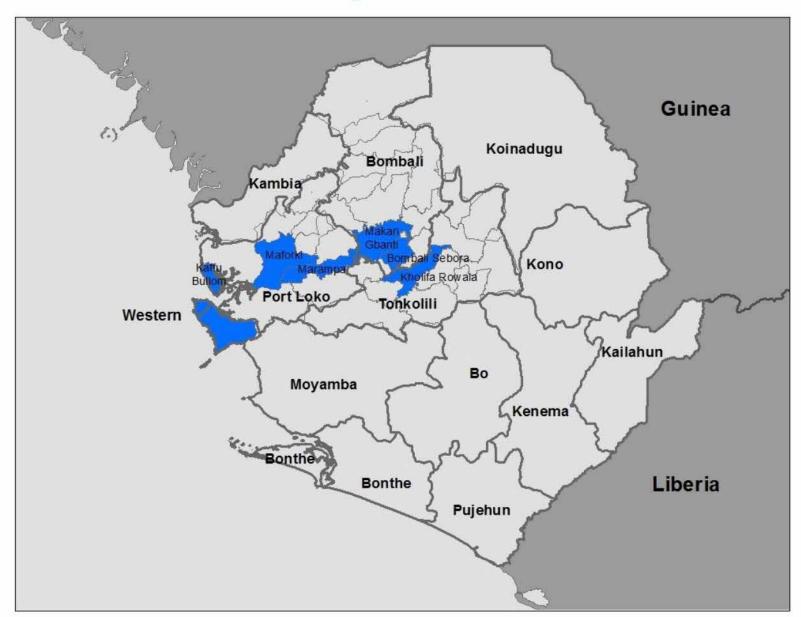
- Sierra Leone College of Medicine and Allied Health Sciences (COMAHS)
- Sierra Leone Ministry of Health and Sanitation (MoHS)
- U.S. Centers for Disease
 Control and Prevention (CDC)



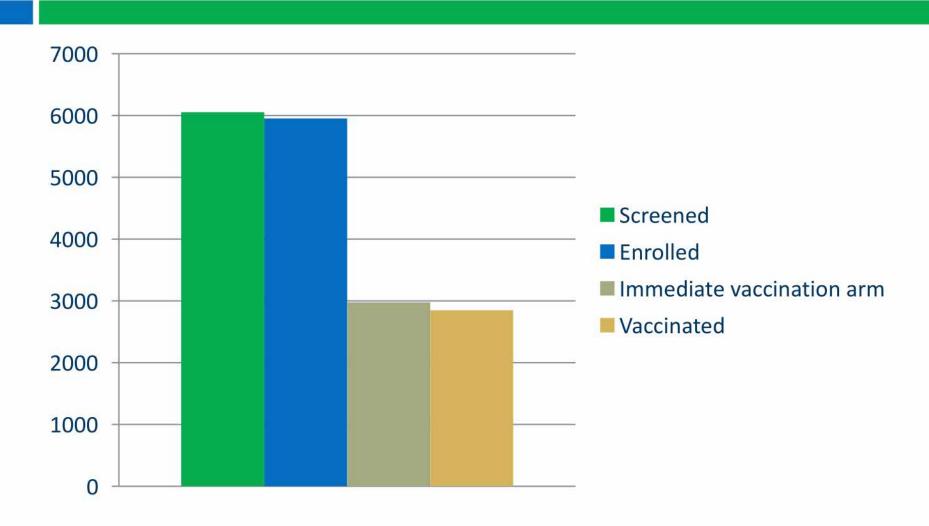




7 STRIVE Study Sites in 5 Districts



Cumulative Enrollment and Vaccination in Western, Port Loko, Bombali & Tonkolili districts (6 sites), April 9 – June 7, 2015



Vaccine Safety

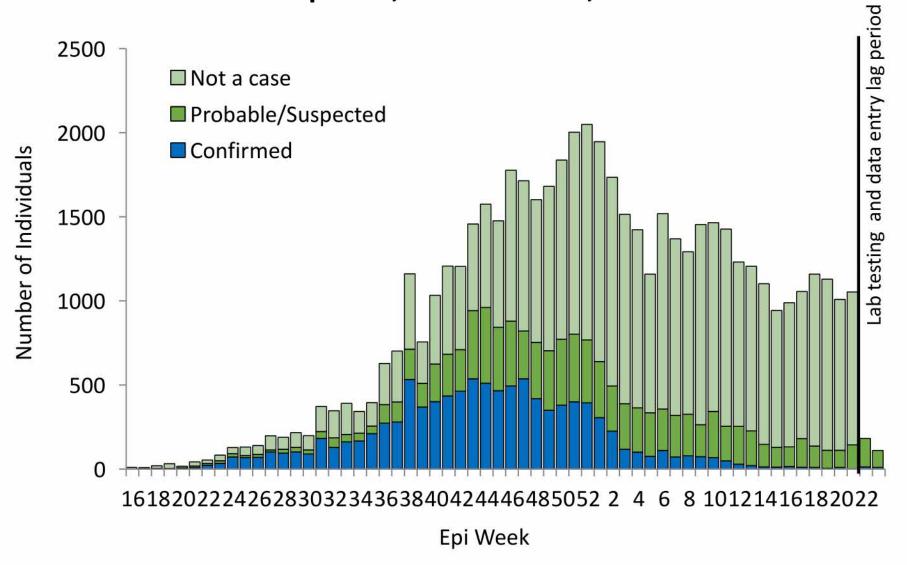
□ Regular meetings of Data Safety Monitoring Board

Safety data so far is consistent with previous trials
 no vaccine related serious adverse events

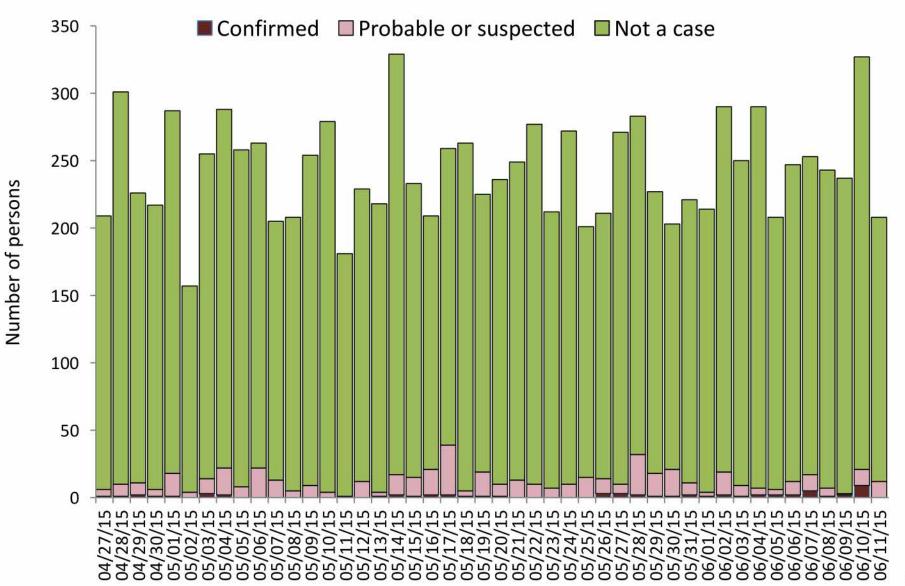
- Nine participants evaluated for possible Ebola virus infection
 - □ All negative for Ebola; eight final Dx malaria (5 positive by malaria rapid test)

NATIONAL DATA

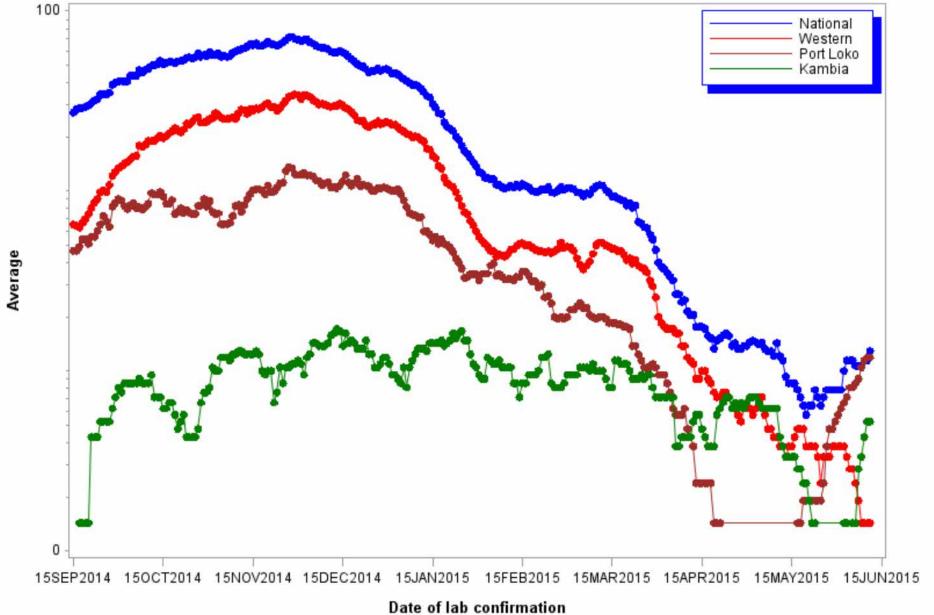
VHF - Reports by Case Definition and Epi-week of Onset – National April 13, 2014 – June 9, 2015



MoHS - Reported Lab Results (by Date of the Lab Results Report) National, March 15 – June 11, 2015

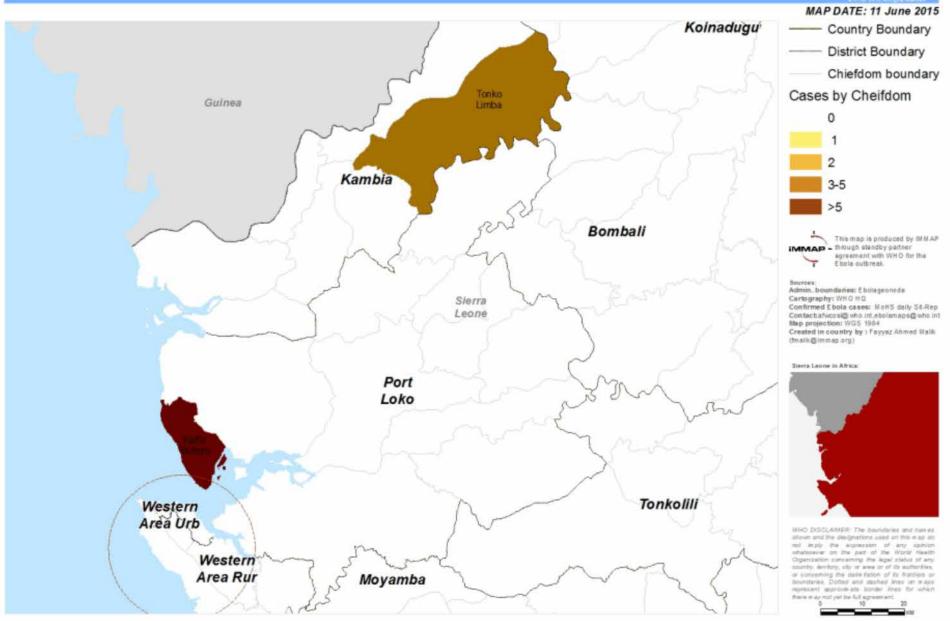


MoHS-Lab Confirmed Cases Per Day (21-day Moving Average) Sept 15, 2014 - June 11, 2015



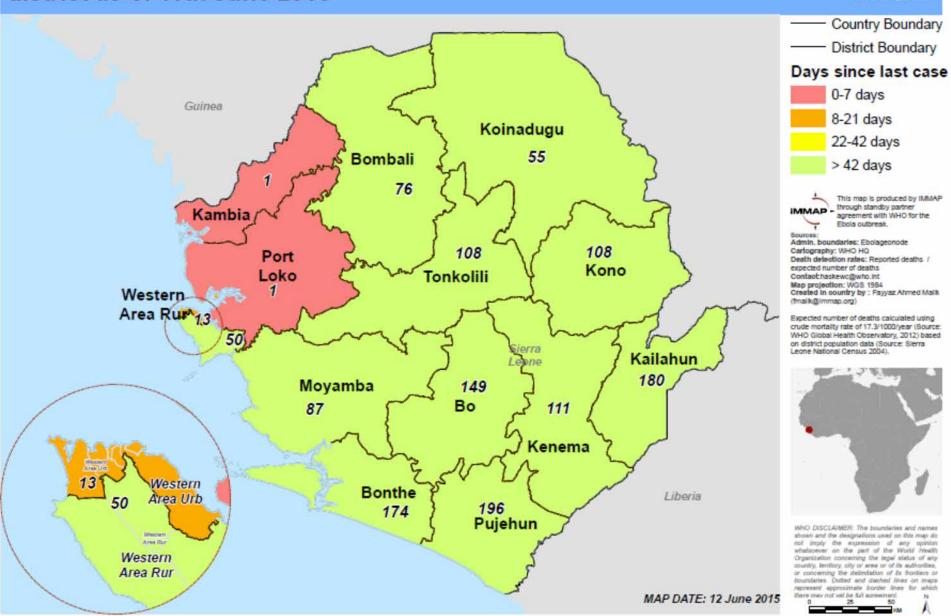
Confirmed Ebola case from Kambia-Porto Loko week 24





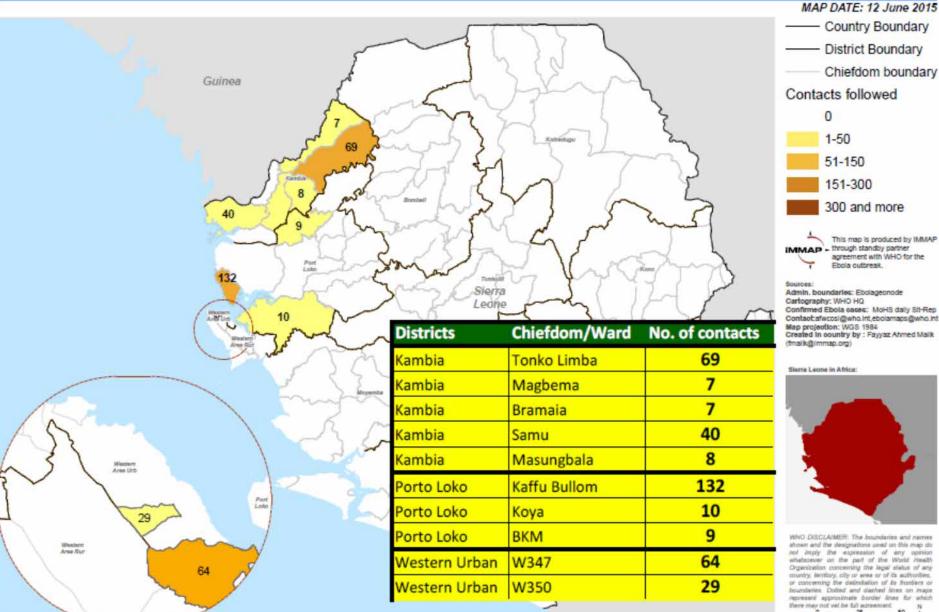
Number of days since last case reported by district as of 11th June 2015



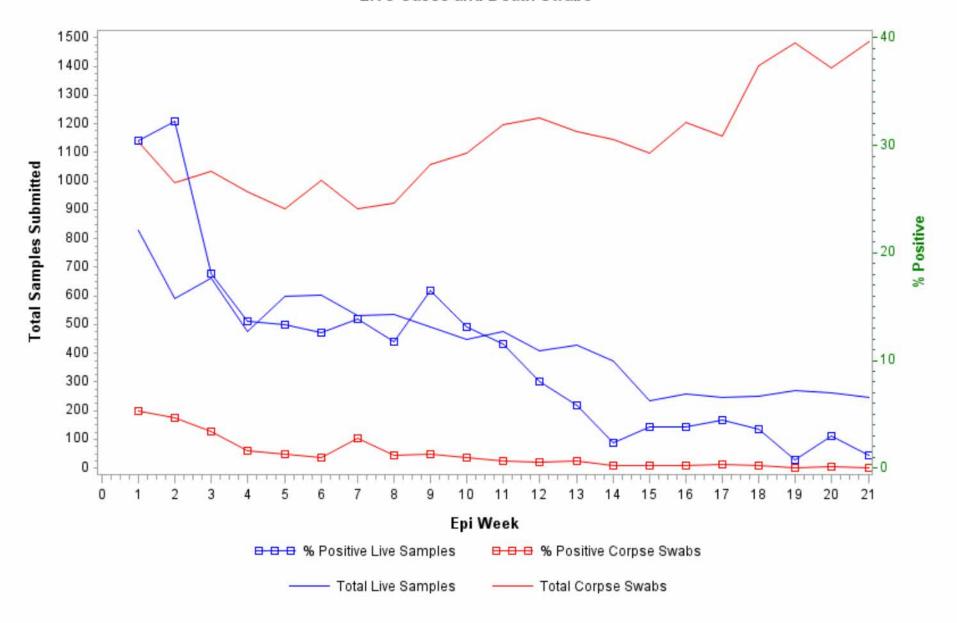


Contacts followed by chiefdom/ward as of 12th June 2015

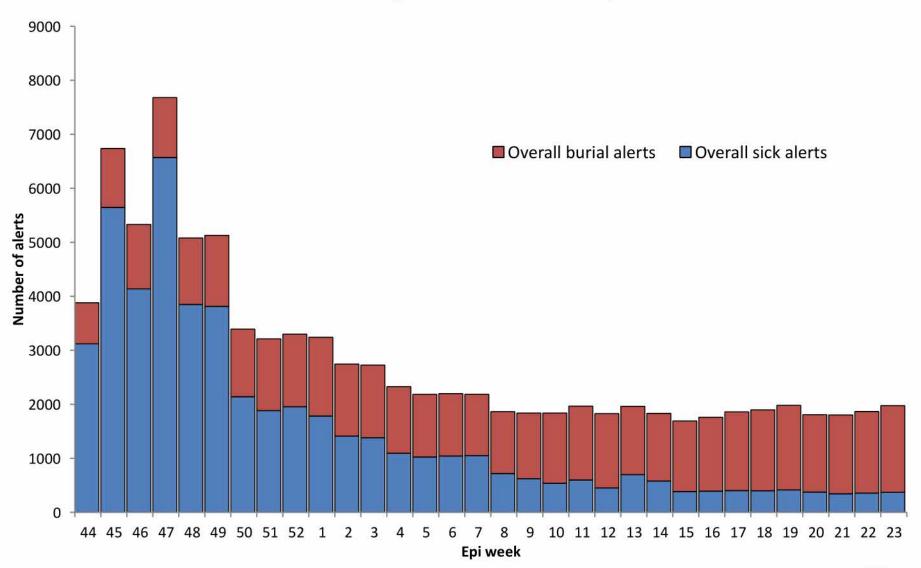


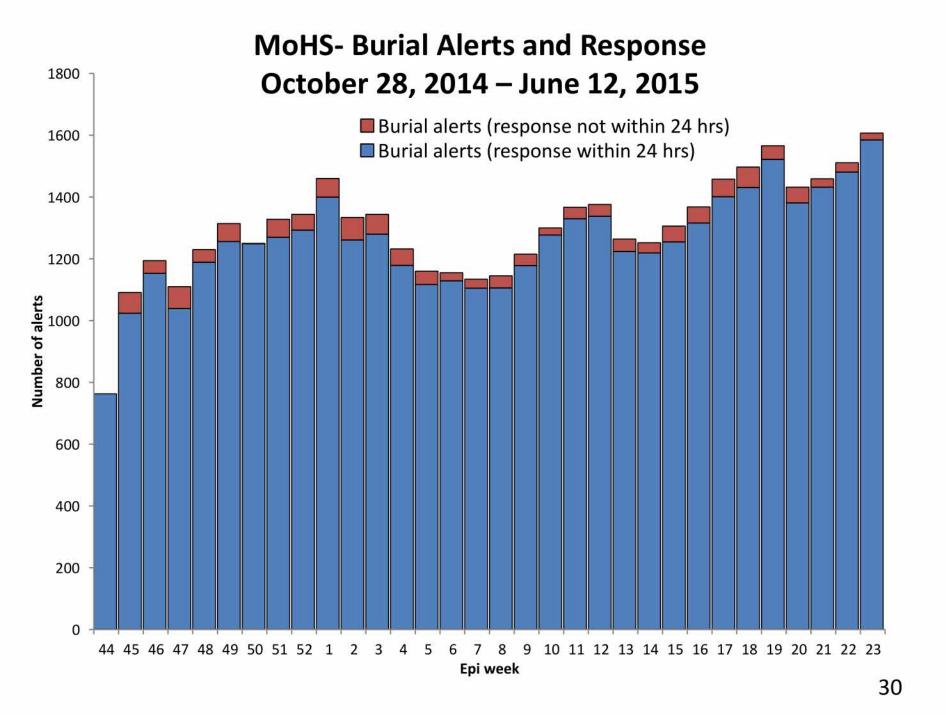


Comparison of Positive Results to Total Samples Live Cases and Death Swabs

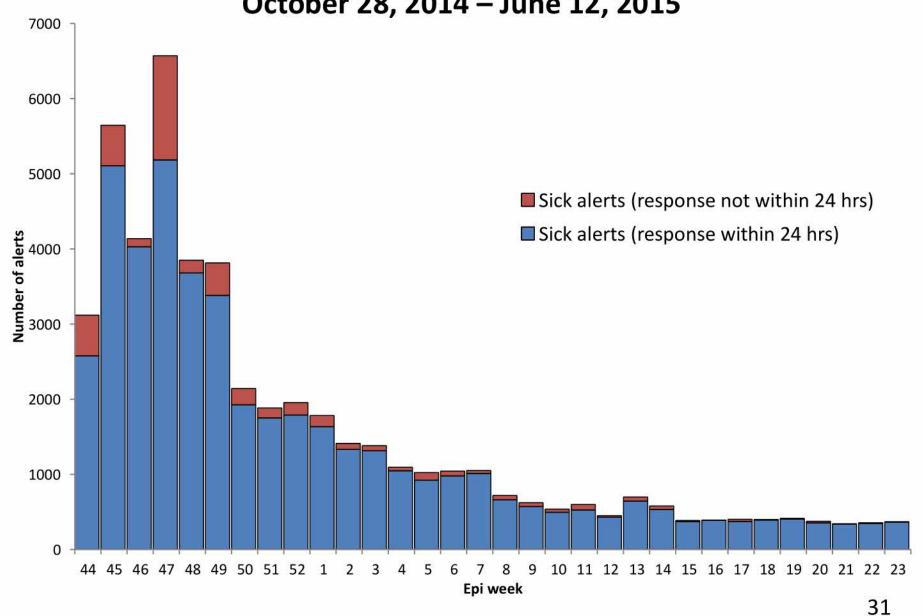


MoHS- Alerts Reported by Type October 28, 2014 – June 12, 2015

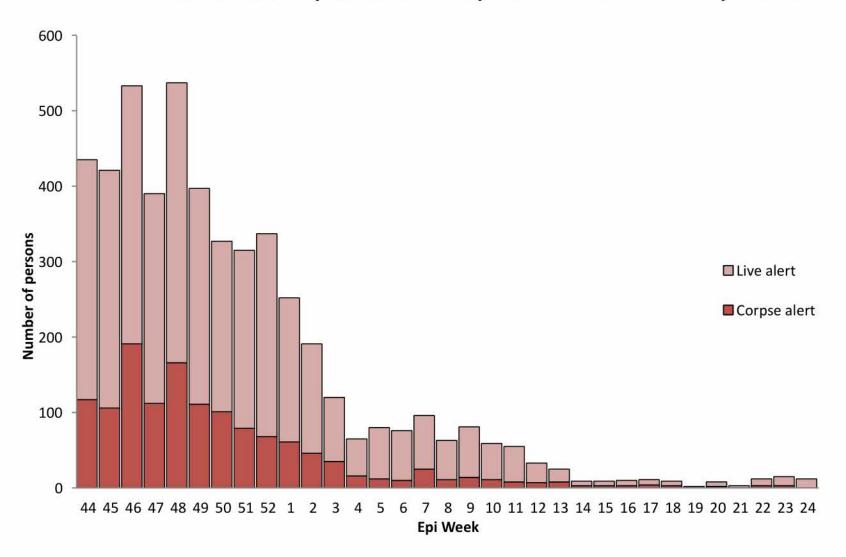




MoHS- Sick Alerts Reported and Response October 28, 2014 – June 12, 2015



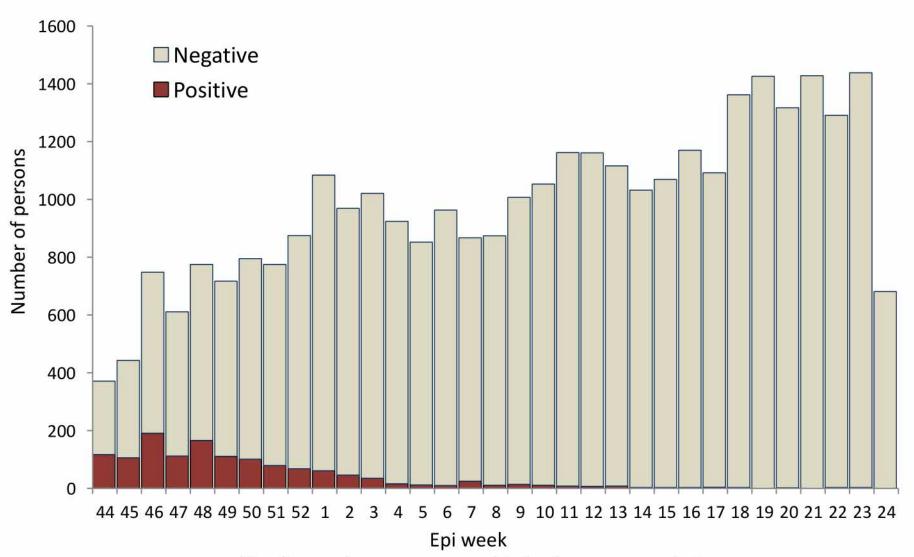
MoHS - Reported Confirmed Cases* by Type of Alert, Sierra Leone, October 27, 2014 – June 11**, 2015



^{*}Cases confirmed through swab testing were assumed to be corpse alerts.

**Epi week 24 incomplete; current through June 11, 2015

MoHS - Reported Corpses* by EVD Result, Sierra Leone, October 27, 2014 – June 11**, 2015



^{*}Swab samples were assumed to be from corpse alerts.

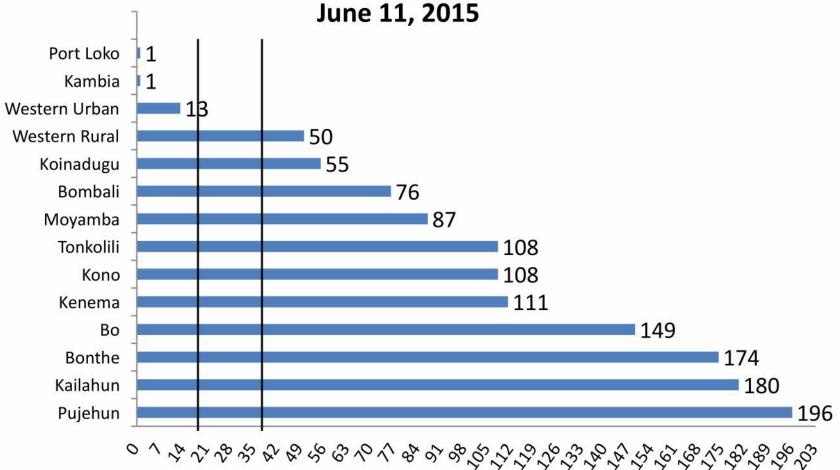
^{**}Epi week 24 incomplete, current through June 11, 2015

EVD Cases Confirmed from Swabs Data (Epi week 22: May 25 – May 31, 2015 and Epi week 23: June 1 – June 7, 2015)

National/District	Epi week 22		Epi week 23	
	EVD confirmed corpses	Total corpses swabbed	EVD confirmed corpses	Total corpses swabbed
National	3	1288	3	1471
Во	0	167	0	182
Bombali	0	80	0	152
Bonthe	0	44	0	56
Kailahun	0	28	0	32
Kambia	1	71	1	82
Kenema	0	92	0	55
Koinadugu	0	45	0	61
Kono	0	73	0	88
Moyamba	0	127	0	105
Port Loko	1	151	2	172
Pujehun	0	18	0	87
Tonkolili	0	101	0	112
Western	1	296	0	287

Data Source: MoHS Daily Sit Rep, May 19 – June 11, 2015

Days Since Last Confirmed Case by District June 11, 2015



Current as of 12:00pm GMT June 13, 2015

Data Source: MoHS Daily Sit Rep, June 11, 2015

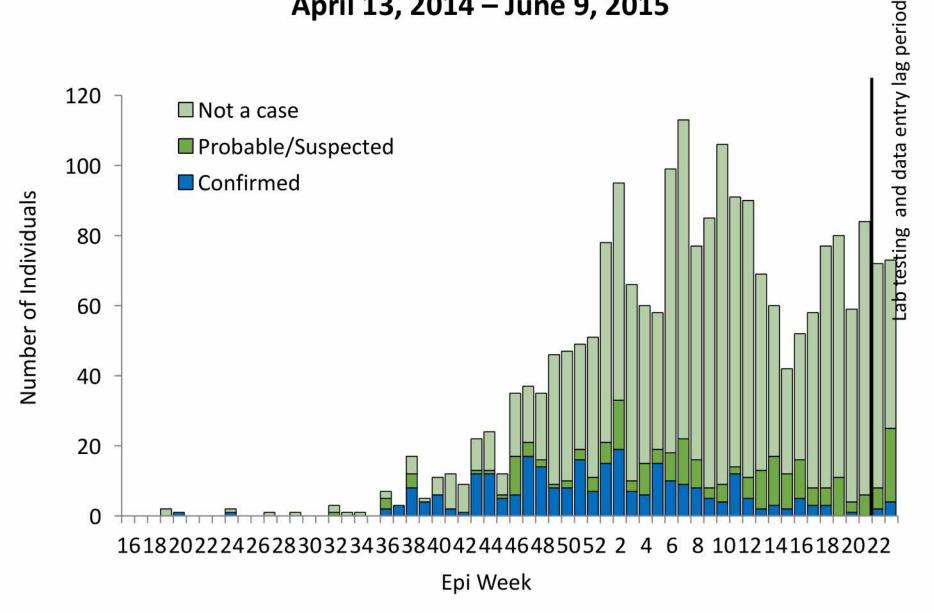
DISTRICT DATA

Note:

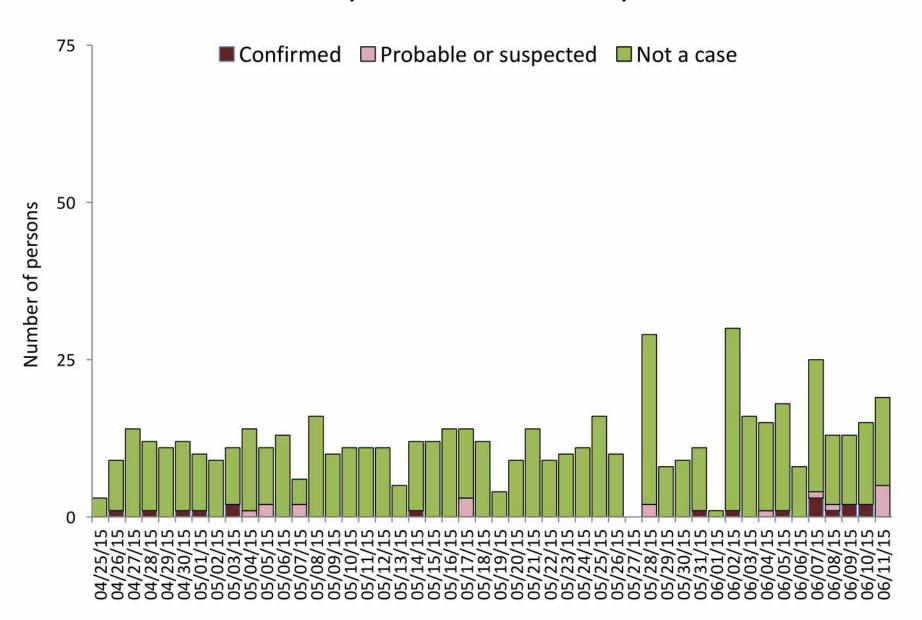
Only includes district data where days since last confirmed case is \leq 42 days

Kambia District

VHF - Reports by Case Definition and Epi-week of Onset – Kambia April 13, 2014 – June 9, 2015

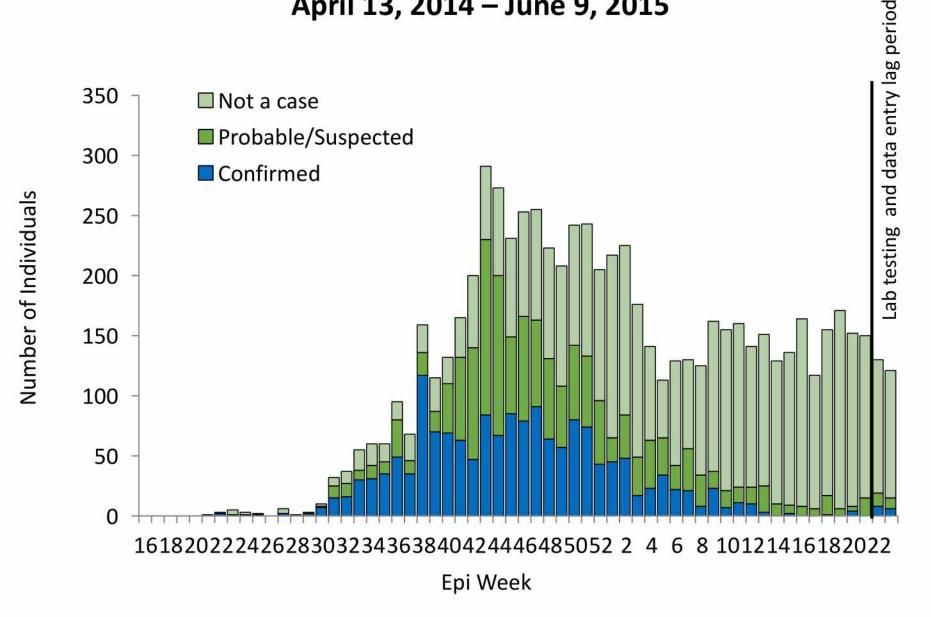


MoHS - Reported Lab Results by Case Definition and Lab Report Date Kambia, March 15 – June 11, 2015

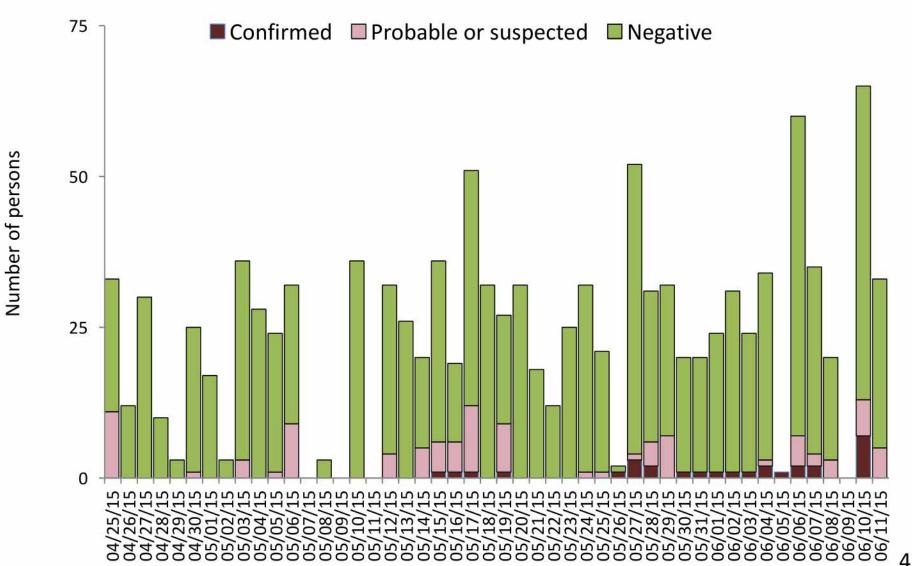


Port Loko District

VHF - Reports by Case Definition and Epi-week of Onset – Port Loko April 13, 2014 – June 9, 2015

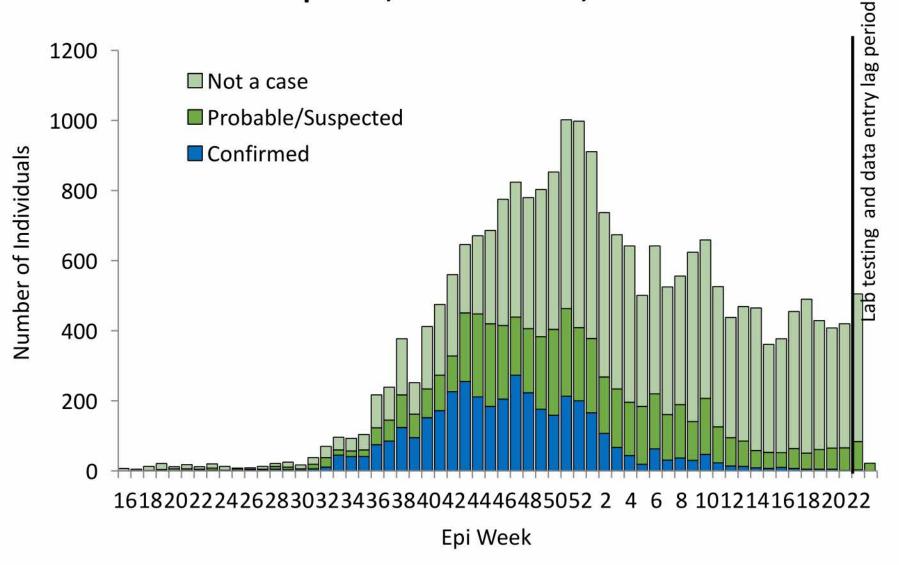


MoHS - Reported Lab Results by Case Definition and Lab Report Date Port Loko, March 15 – June 11, 2015

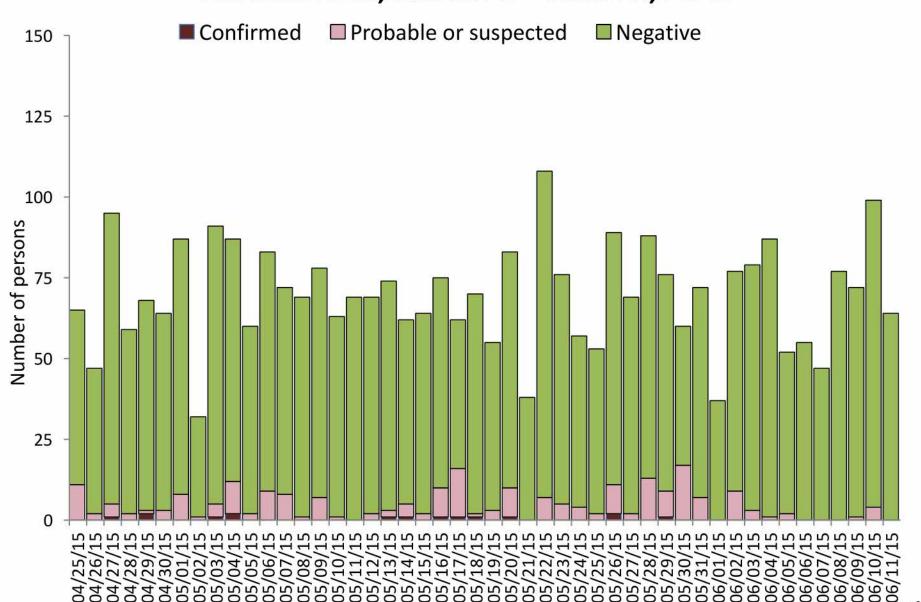


Western District

VHF - Reports by Case Definition and Epi-week of Onset — Western April 13, 2014 — June 9, 2015



MoHS - Reported Lab Results by Case Definition and Lab Report Date Western Area, March 15 – June 11, 2015



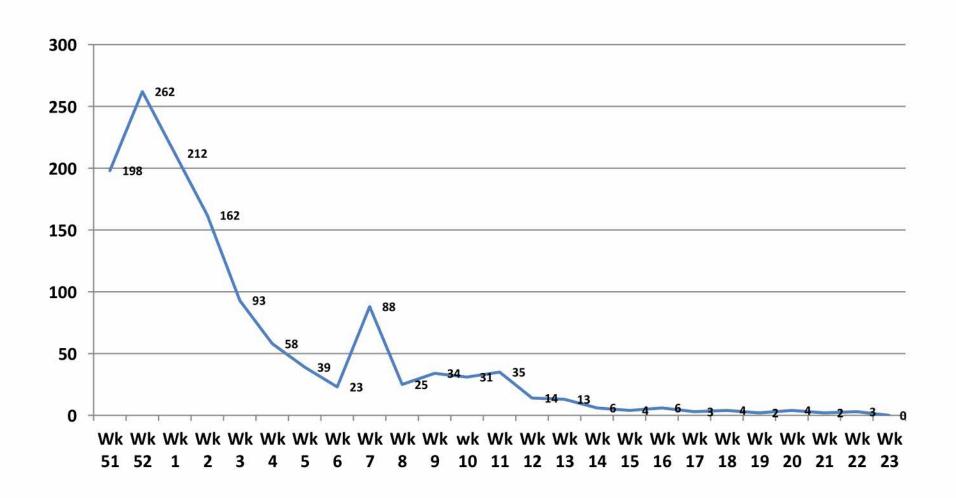




Ebola Virus Disease Epi-situation in Western Area

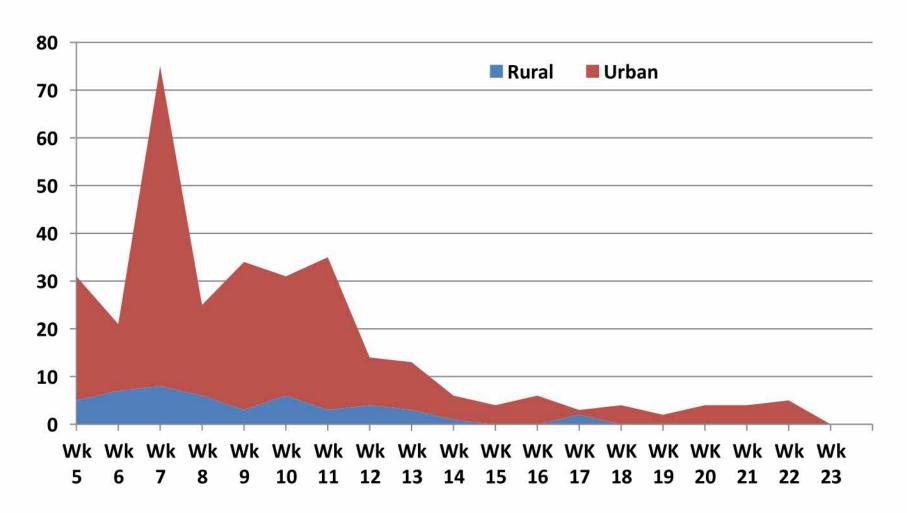
Week 23 (1st - 7th June 2015)

Week-wise Number of Confirmed Cases: Western Area



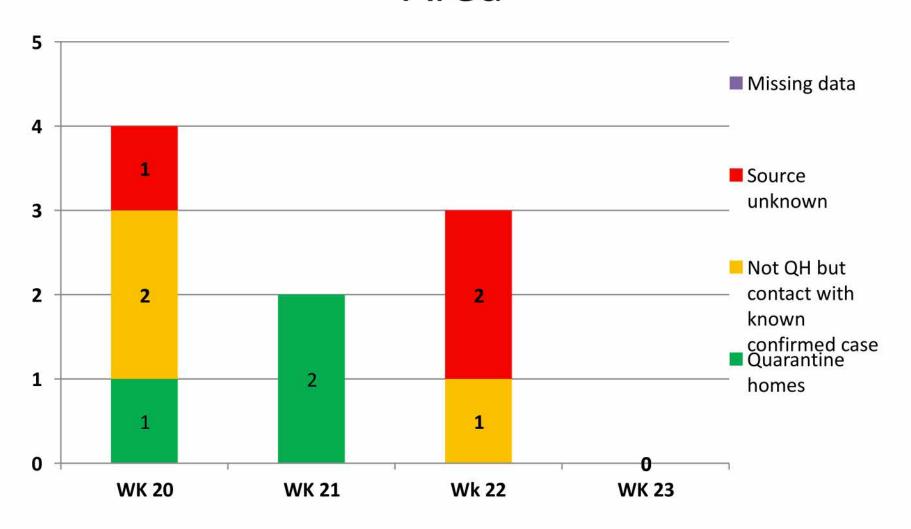


Week-wise Number of Confirmed Cases by Western Urban and Rural Areas



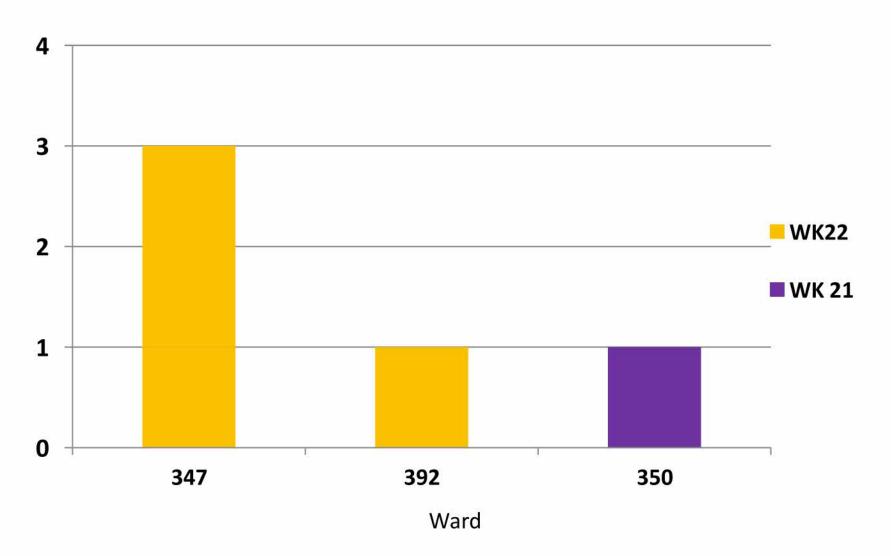


Source of Suspected Cases: Western Area





Weekly Hotspot of Western Area



THANK YOU

From: Bumpus, Stefanie (CDC/OD/OCS)
Sent: Sat, 7 Mar 2015 08:24:42 -0500

EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Marston, To: Barbara J. (CDC/CGH/DGHP); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills, Kimberly C. (CDC/OD/OCS); CDC IMS OD LNO; CDC IMS Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Demby, Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID); Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth (CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon, Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle, Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle (CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID); Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR); Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W. (CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca (CDC/ONDIEH/NCCDPHP); Hersey, Sara (CDC/CGH/DGHA); Glover. Maleeka (CDC/OID/OD); Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B. (CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan, Daniel B. (CDC/OID/NCIRD)

Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO); Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD); McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A. (CDC/CGH/GID); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E. (CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta, Neil (CDC/OID/NCHHSTP); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre (CDC/OID/NCEZID)

Subject: RE: Ebola: Country Call Sierra Leone
Attachments: Weekly Epi Report EW9(7mar2015).pptx



Please find the Sierra Leone data pack for today's call attached.

----Original Appointment----

From: EOC Conf/Bridge Calendar (CDC) **Sent:** Monday, November 24, 2014 9:00 AM

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Marston, Barbara J. (CDC/CGH/DGHP); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills, Kimberly C. (CDC/OD/OCS); CDC IMS OD LNO; CDC IMS Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Bumpus, Stefanie (CDC/CGH/DGHP); Frieden, Thomas (Tom) (CDC/OD); Demby, Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID); Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth (CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon, Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle, Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle (CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID); Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR); Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W. (CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca

(CDC/ONDIEH/NCCDPHP); Hersey, Sara (CDC/CGH/DGHA); Glover, Maleeka (CDC/OID/OD); Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B. (CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan, Daniel B. (CDC/OID/NCIRD) Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO); Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD); McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A. (CDC/CGH/GID); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E. (CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta, Neil (CDC/OID/NCHHSTP); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre (CDC/OID/NCEZID)

Subject: Ebola: Country Call Sierra Leone

When: Saturday, March 07, 2015 10:30 AM-11:00 AM (UTC-05:00) Eastern Time (US & Canada).

Where: Conference Call Only (b)(6)

Note: Time change is only for today's Conference Call

Updated bridgeline

POC: INTL TF Barbara Marston & Lorna English

The call line information is:

Bridgeline:
Passcode:
International Number: (b)(6)

For any changes or updates, please contact EOCReport@cdc.gov or phone (770) 488-7100

Sierra Leone Ebola Response Epidemiology Overview March 7, 2015

Update on Ebola Clusters

Transmission Chains



Bombali

1. Rosanda/ Makeni

- Cases: 42 confirmed through Feb 27th; 4 new symptomatic individuals conveyed to ETC, 1 child positive (Mar 3) and 1 more child positive (Mar 5 but not reported yet), awaiting results on 2 women.
- Contacts: 60 people exposed to corpse of case 1; entire village (914 people in 72 homes) being monitored daily; surveillance ends March 27th. Surveillance extended in orphanage where children are held.
- Epi-link: case 1 came from Aberdeen cluster; 1 case was traditional healer who performed burial of index case.

2. Biriwa/Kapeteh

- Cases: No new cases; 1 case traveled from Western on Feb 11 and confirmed Feb 18
- Contacts: Case was released from ETC before test results returned; celebration because she did "not" have Ebola resulted in many high risk contacts (including several HCWs); surveillance ends March 11.
- Epi-link: Case's brother died of EVD on Feb 9 in Western Rural (Portee)

1. RockPimp

- No new cases; 6 cases: -on an area which is only reachable by boat.
- Contacts: 14 contacts last week
- Epi-link: A later laboratory-confirmed case in a holding center in Port Loko spent 4 nights in the subsequently quarantined home in RockPimp after travelling to Guinea to visit her ailing mother. The confirmed cases all lived in this household and had contact with this case.

2. Gbalamoya

- 6 cases in a village on the border of Guinea- households about 50 m from the checkpoints
- Contacts: 11 Quarantined homes. Last case was HS (KAM0500479) on 2/21/15.
 Surveillance ends March 14th.
- Epi-link: both with travel history to Pamalap, a Guinean village with cases

3. Malal II

- 4 cases
- Contacts: 13 quarantined. Most recent case, 2/21/15, was a religious leader in the village of Malal. Surveillance ends March 14th.
- Epi-link: Household contact with confirmed case in Mayafa, moved back to Malal at symptom onset.

4. Kathkera

- Cases: 3 new cases in non-household contacts of a previous case that were missed by contact listing. Last one on 3/1.
- Contacts: 4 Quarantined households, surveillance ends March 22nd.
- Epi-link: non-household contacts of a previous case that were missed by contact listing, close proximity and noted movement of active cases to and from Kiamp-Dee Soraia, a village with active cases and two quarantined homes. New case lives in the same house where AK first became sick.

5. Magbengbeh/Lokoya

- Case: 2
- Contacts: In Magbengbeh symptom onset 2/27; surveillance ends
 March 20th. In Lokoya, two houses are exposed, his and his brothers, as well as the motorbike rider and a man that applied traditional medicine.
- Epi-link: Source stayed with sister in Kunya, Guinea when symptoms developed. He became sick in Guinea and returned to Kambia while sick.

6. Konta Dubalai

- Cases: 1 positive swab
- Contacts: 12; Last exposure 2/19. Surveillance ends March 12.
- Epi-Link: travel history to Guinea for buying fertilizer in Siramodiah regularly. CDC in Guinea confirms active transmission chain in this area.

- 7. Kampde Soria
- Cases: 4
- Contacts: Last case 2/20. Surveillance ends March 13th.
- Epi-link: Traveler from KatheKera.
- 8. Kagbhana
- Cases: 1
- Contacts: Last exposure 3/4.
- Epi-Link: Area not safe to enter.
- 9. Thairay
- Cases: 1
- Contacts: Last exposure 3/4/2015.
- Epi-Link: Travel to FTN

Kenema (investigated by Kono)

Goroma Mendie Chiefdom

- No new case; 1 case 4 year old boy died (swab +) on
 Feb 18 near border with Kono.
- Contacts: family members and priest; surveillance ends March 11.
- Epi-link: no clear source, potential link to unsafe burial in Kono on Feb 4 (death appears to be non-EBV); lab result will be double checked, as first lab test negative.

Kono

Case from Freetown

- No new cases; 1 case young man coming from Freetown, sister cared for him; sx onset Feb 17, diagnosed Feb 23.
- Contacts: sister / family and motor bike driver, who drove the case to clinic; surveillance ends
 March 16.
- Epi-link: case's sister in Freetown (Juweah) died of Ebola, case was on contact list.

Port Loko

- 1. Lungi (Kaffu Bullom Chiefdom)
 - Cases: More than 20 confirmed and 3 probable cases spanning 6 villages in the Lungi-Rotifunk axis. Last confirmed case on 19 February.
 - Contacts: Close contact prior to a death on 23 January led to numerous cases within one extended family.
 - Epi-link: Possible linkage back to a healthcare worker who died on 21 December 2014.
- Tagrin (Kaffu Bullom Chiefdom)
 - Cases: At least 27 confirmed cases
 - Contacts: Transmission within an extended family which propagated to other members of the community through a traditional healer. Cases within the chain have been limited to one quarantine home in the last 3 weeks.
 - Epi-link: Death of source case on 29 November 2014 after attending a funeral in Lunsar (Marampa).

Port Loko

- 3. Lunsar (Maforki Chiefdom)
 - Cases: At least 13 confirmed and 2 suspected cases
 - Contacts: Three households of extended family and one neighbor (11 household members and 2 extended family members/neighbors became sick within a period of 14-21 days following the funeral of the source case.
 - Epi-link: First case in this chain reported onset on 4 February with possible exposure to a source case in the Western Area.

- 4. Thombo Bana, Kaffu Ballum (Feb-March 2015)
 - Cases: 4 cases (one newborn died in holding center)
 - Contacts: Taxi driver transported mother to ETU and a neighbor from a quarantine home assisted in the delivery.
 - Epi-link: Father and mother of pregnant women (newborn died at ETU) EVD+ in January and February.

Port Loko

- 5. Gbonko Maforay/Roktolon, BKM
 - Cases: 2
 - Contacts: One case residing in area known as a place for drug users; other case attended funeral of EVD- neighbor and several family members died of EVD in 2014.
 - Epi-link: Source unknown in both cases, but both traveled to a neighboring village in recent weeks where a previous suspect case lived.

Tonkolili

1. Yoni Mayierah

- No new cases; 2 cases- groundnut trader who traveled from Freetown while symptomatic; died in Tonkolili on Feb 12 (swab positive); daughter in quarantined house confirmed as a case Feb 23.
- Contacts: Tent set-up to isolate high risk contacts;
 surveillance ends March 15th.
- Epi-link: Related to Hagan St. cluster in Western area.

Western*

- 1. Lumpa (Ward 342)
- Cases: 3
- Contacts: Quarantine extended for 4 households to March 10.
- Epi-link: Yansaneh Lane: One confirmed, FS, 2 mos F, sx onset about Jan 30, died Jan 31 at home.
- 2. Wright St, Portee (ward 355)
- 4 cases: All from same family, tested positive between Feb 9 & Feb 22.
- Contacts: Quarantine to end Mar 16.
- Epi-link: First case was a community death with no known exposures

^{*}Data not updated fully as of 3/7/15.

Western (cont.)*

- 3. Power Magazine, Portee (ward 360)
 - 7 confirmed cases: 4 cases from one family, tested positive between Feb 13 and Feb 23; 3 other cases from quarantined houses tested positive Feb 20
 - Contacts: Quarantine to end Mar 16.
 - Epi-link: First case was a community death with no known exposures
 - UPDATE: New case in army guard assigned to guard quarantine homes, the home area of case is in ward 337 but infection likely from ward360; coordinating with WHO on the investigation.
- 4. Hagan Street Market (ward 374)
 - Cases: 1 new case this week in known contact
 - Contacts: Micro-surge ongoing; ~800 contacts in 8 quarantined homes;
 results pending for several suspect cases
 - Epi-links: Has generated at least 3 other clusters elsewhere in Sierra Leone

^{*}Data not updated fully as of 3/7/15.

Western (cont.)*

- 5. Susan's Bay (wards 377 and 378)
 - 2 cases: 2 cases in Epi-week 8
 - Contacts: micro-surge began Feb 24
 - Epi-link: Adjacent to Hagan St Market area

- 6. Jui New Site (Ward 329)
- 5 cases
- Quarantine ends March 14th
- Epi-link FS 25 F, nursing student (may have treated an Ebola case); FS died in Adra Holding Center

^{*}Data not updated fully as of 3/7/15.

Western (cont.)*

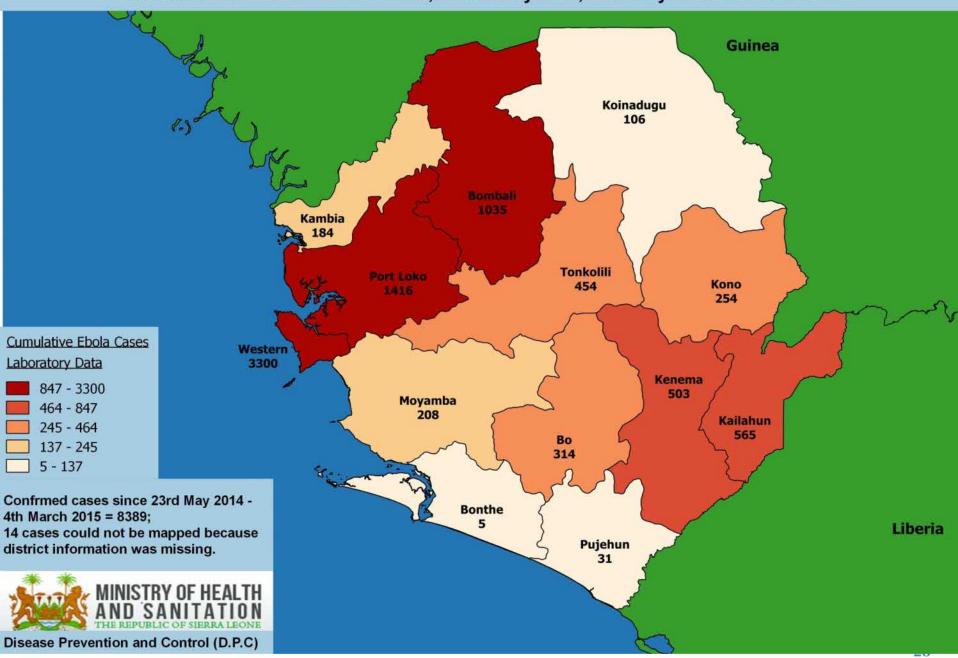
- 7. Devil Hole (ward 329)
- Case: 1
- Contacts: Four people quarantined. Family reports that a nurse-friend took her to Connaught Hospital on 2/25 but hospital records indicate she arrived DOA on 2/27. Investigation under way at Connaught where we are getting conflicting information. Surveillance ends March 18th.
- Epi-Link: Deceased 31 F (SK) swab; Onset 2/24; Unknown source, unknown exposure
- 8. Jui Hanger (ward 329)
- Cases: 30 y/o with onset 3/1 or3/2.
- Contacts: Under investigation. Surveillance ends March 23rd.
- Epi-Link: Exposure under investigation but may be related to 15 Black Hole Rd.

^{*}Data not updated fully as of 3/7/15.

By District – MoHS Laboratory Data

DAILY SITUATION REPORT MAPS

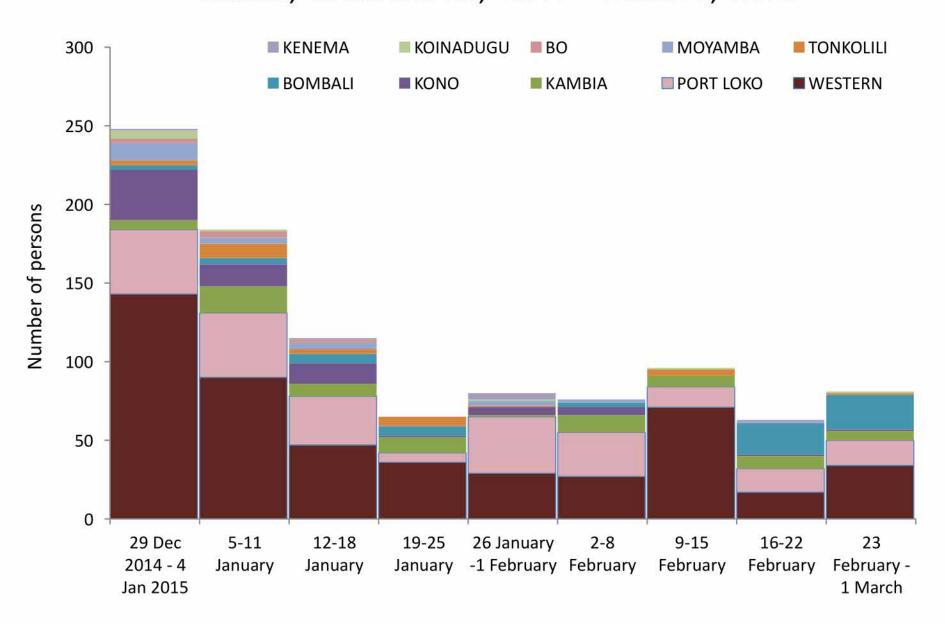
Cumlative Confirmed Ebola Cases, Laboratory Data, 23rd May 2014 - 4th March 2015



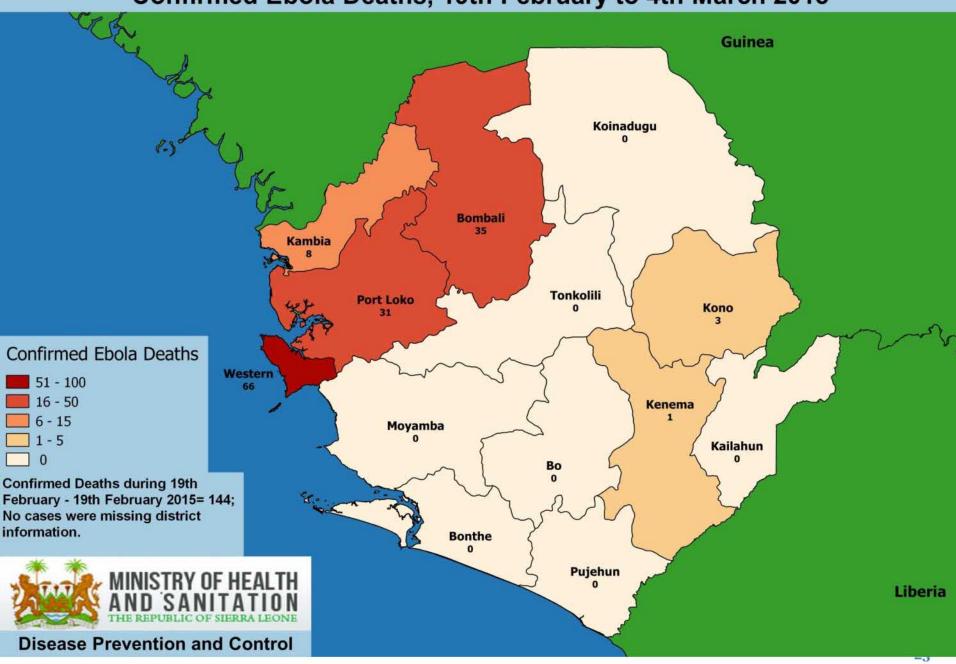
Confirmed Ebola Cases, Laboratory Data, 19th February - 4th March 2015



MoHS-weekly reported confirmed cases date of the test and district, December 29, 2014 – March 1, 2015

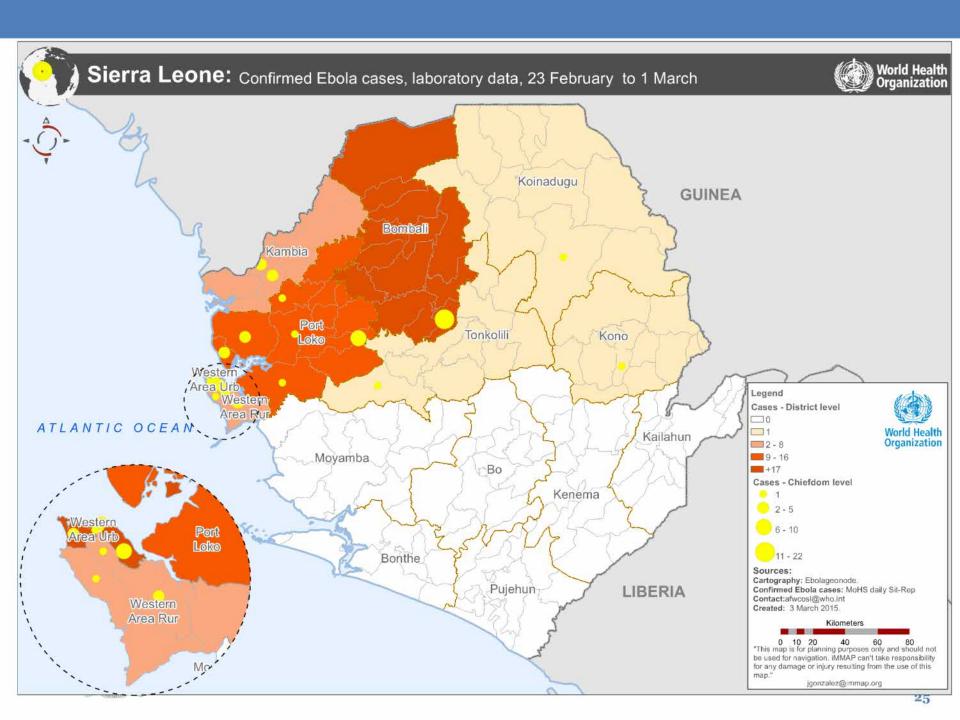


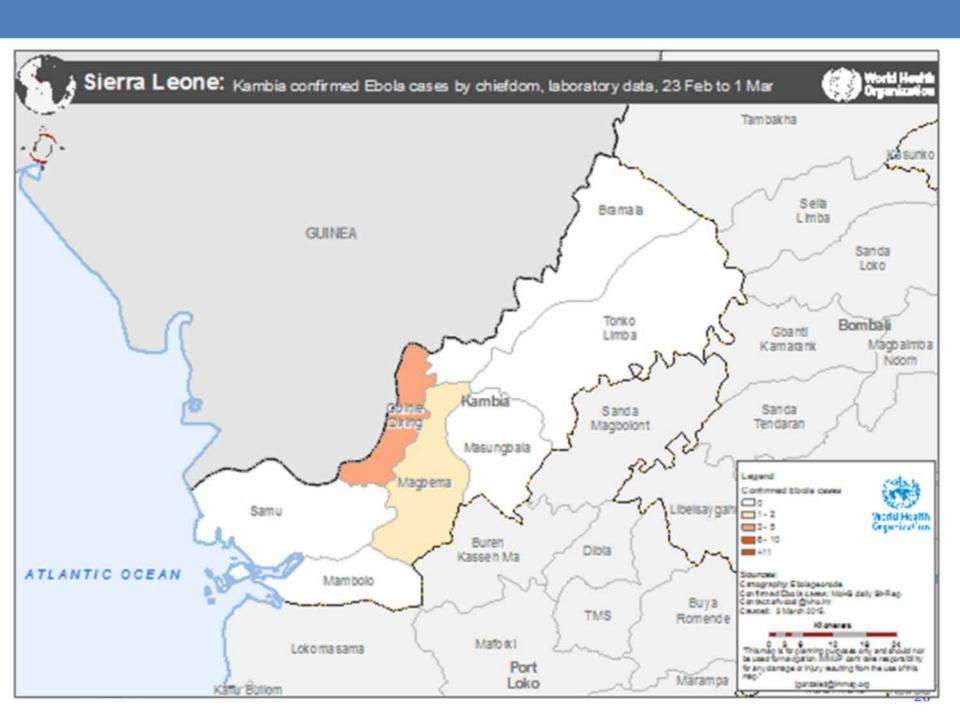
Confirmed Ebola Deaths, 19th February to 4th March 2015

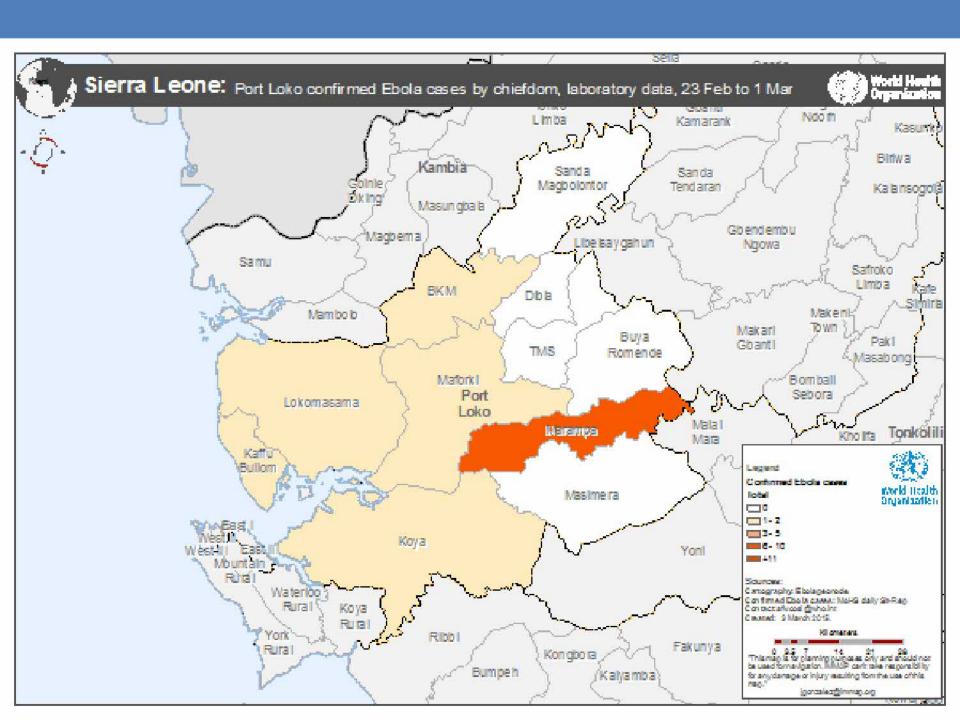


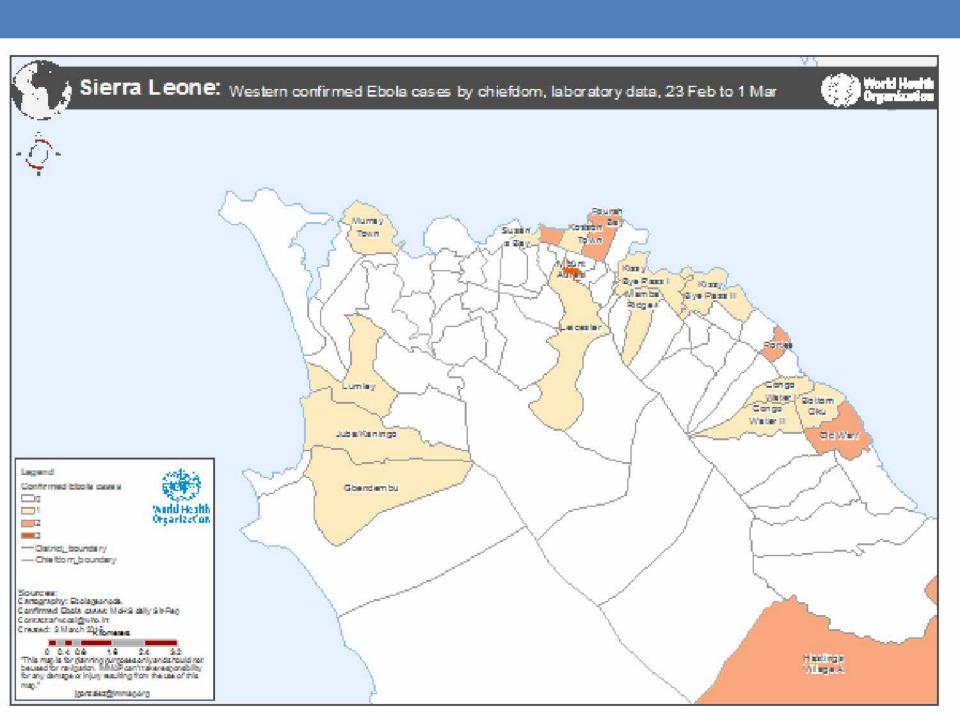
National, and Hot Spots – MoHS VHF Data

CHIEFDOM MAPS



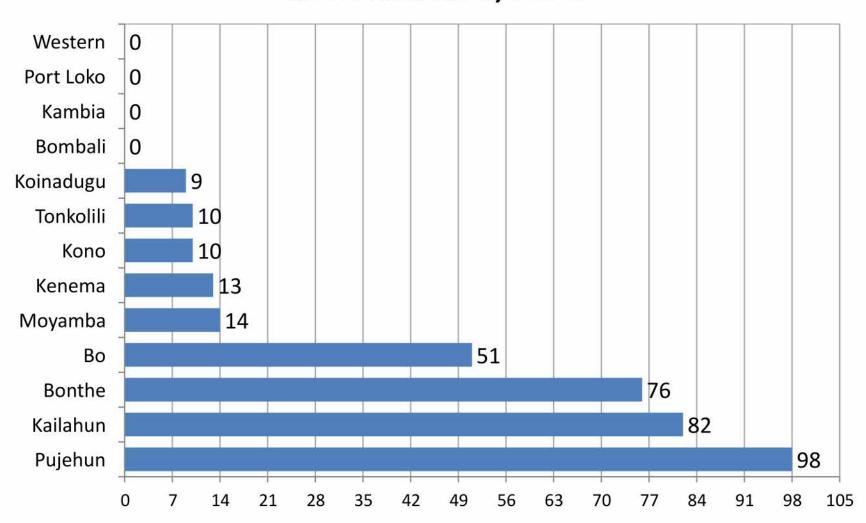






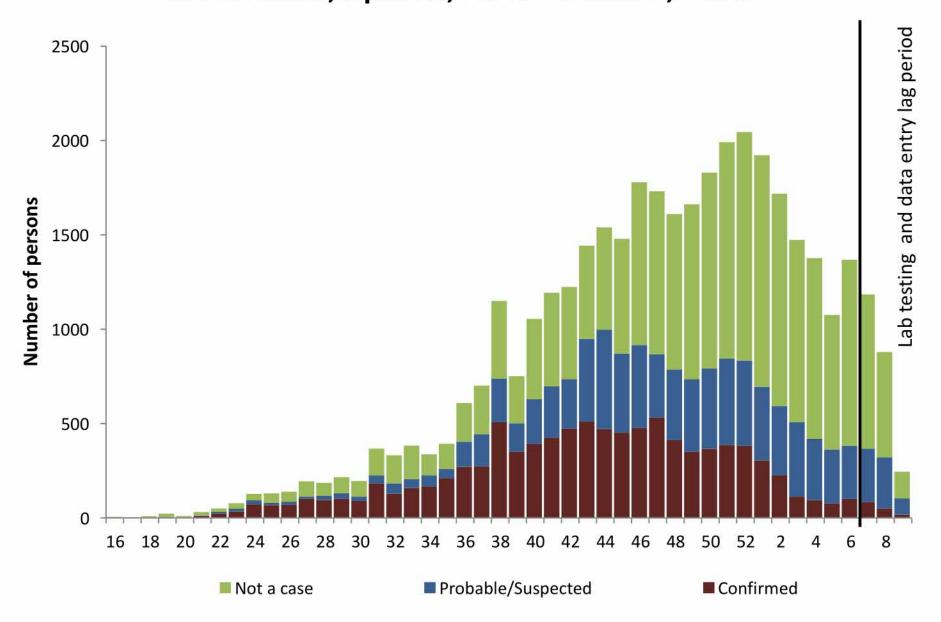
NATIONAL DATA

Days Since Last Confirmed Case, as of March 5, 2015

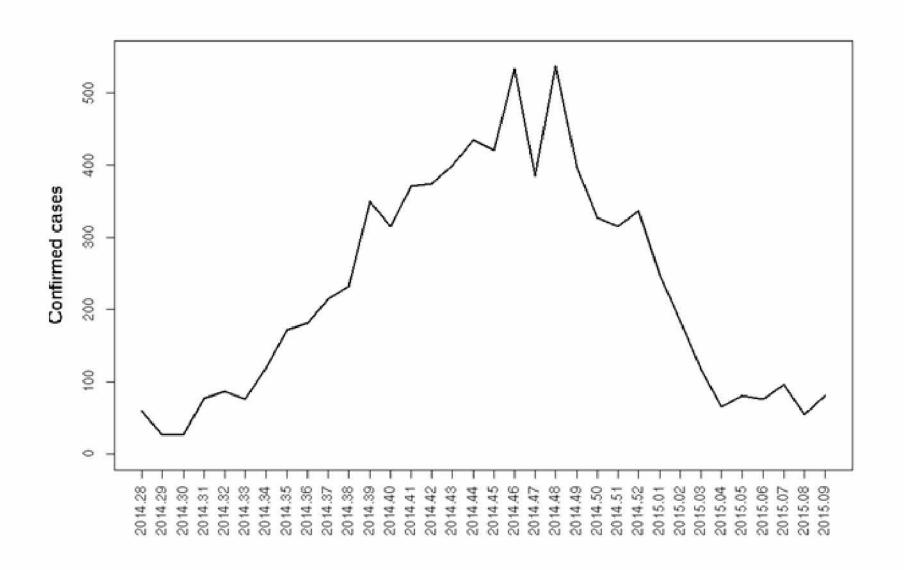


Data Source: MoHS Daily Sit Rep, March 5

Ebola Investigations by Case Status, MoHS VHF Data, Sierra Leone, April 13, 2014 – March 1, 2015

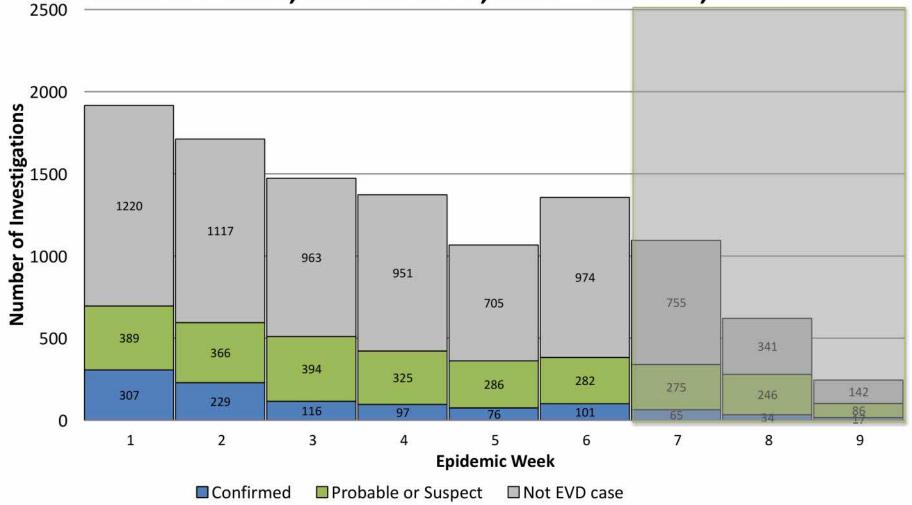


Cumulative Confirmed Cases by Ebola Investigations, MoHS VHF Data, Sierra Leone, May 1, 2014 – March 1, 2015



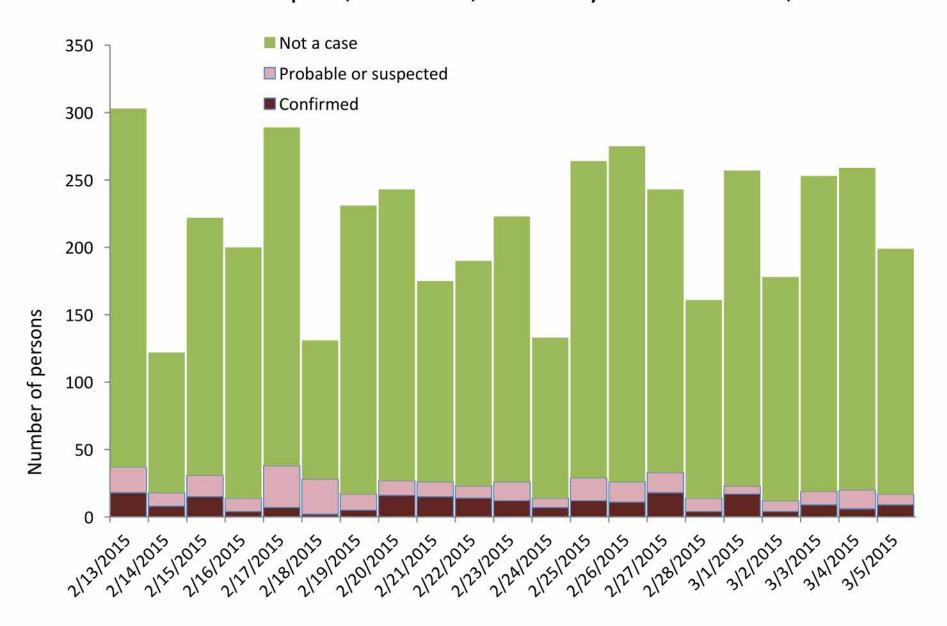
Ebola Investigations by Case Status, Sierra Leone

MoHS VHF Data, December 29, 2014 – March 1, 2015*



^{*}Data updated March 1; Reporting during the last few weeks may not yet be complete

MoHS-reported lab results by case definition and the date of the lab results report, National, February 13 – March 5, 2015

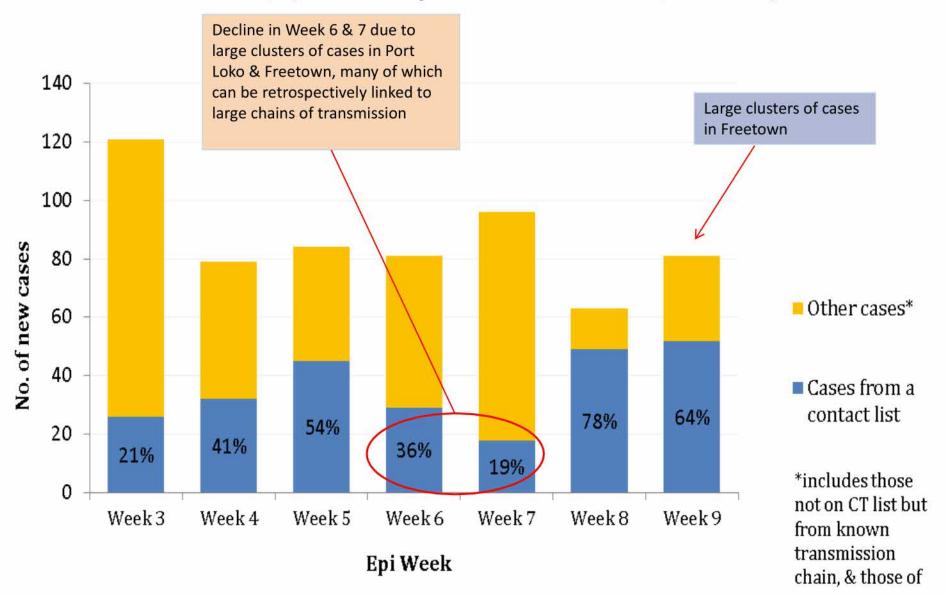


Contact Tracing (EpiWeek 9, February 23 - March 1, 2015)*

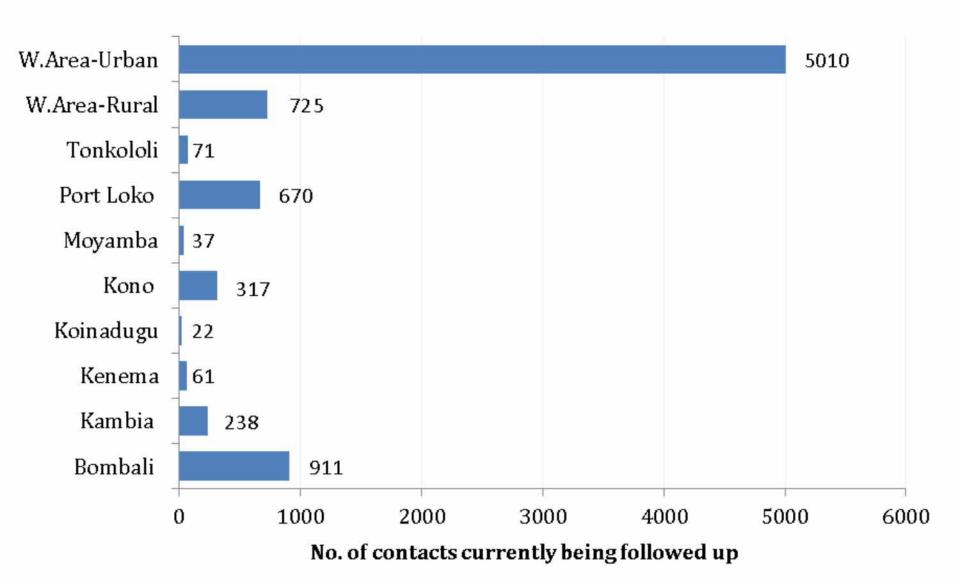
District	Confirmed cases	Confirmed cases from contact list (%)	III contact evacuated in 24h	Deaths in quarantine homes
Bombali	22	22 (100%)	30 of 30	0
Kambia	6	3 (50%)	0	0
Koinadugu	1	1 (100%)	1 of 1	0
Kono	1	0 (0%)	0	0
Port Loko	16	10 (63%)	6 of 6	1
Tonkolili	1	1 (100%)	1 of 1	0
Western	34	15 (44%)	16 of 16	0
Total	81	52 (64%)	54 of 54	1

^{*}Districts not included in the table have no data to report for all fields.

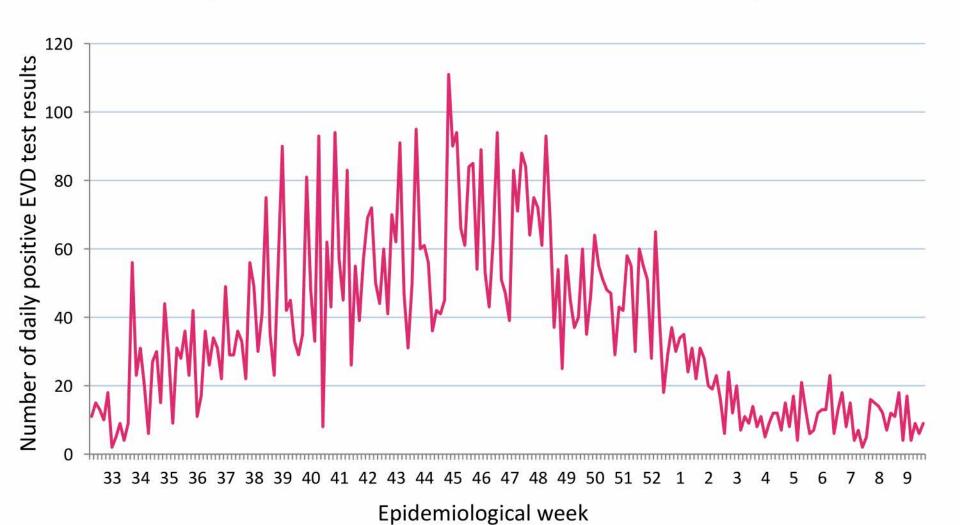
No.(%) of new cases from a contact list, by Epi Week, (January 12 - March 1, 2015)



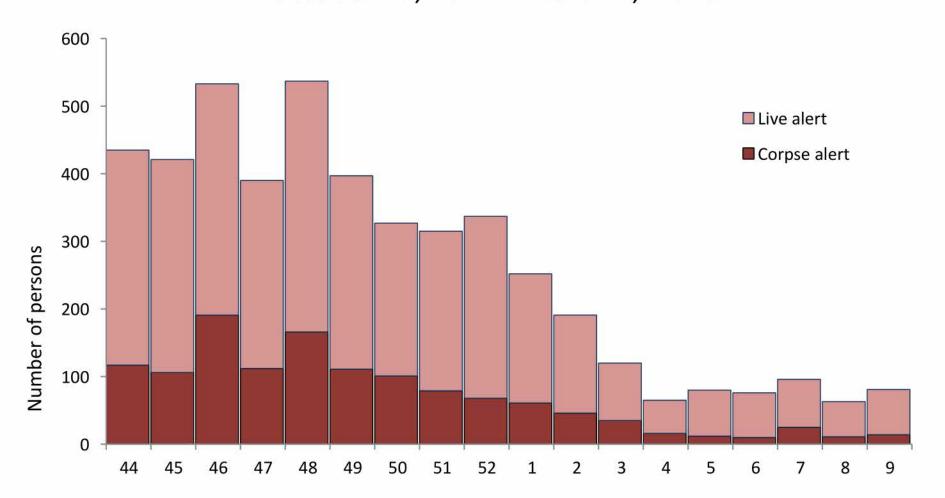
No. of contacts (n=8062) being followed up, by district – Snapshot (1st March 2015)



Daily positive EVD test results by date of report,
Sierra Leone,
August 12, 2014 – March 5, 2015
(Total cumulative number of cases 8,398)

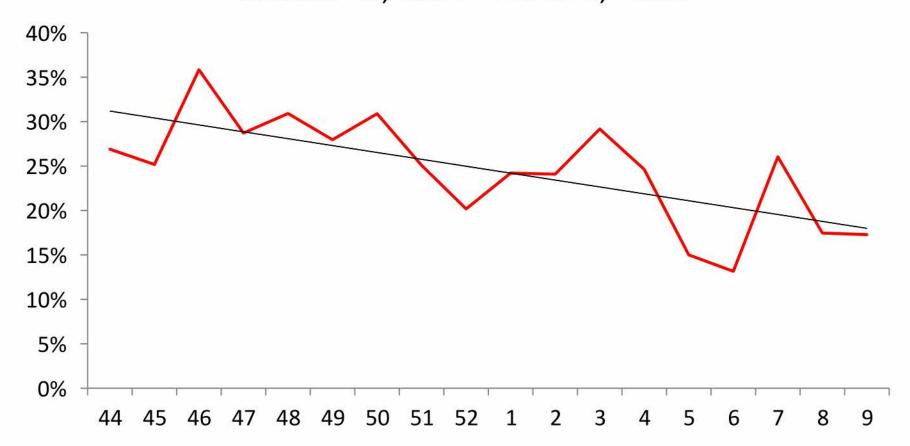


MoHS-reported confirmed cases* by type of alert and epi-week, Sierra Leone, October 27, 2014 – March 1, 2015



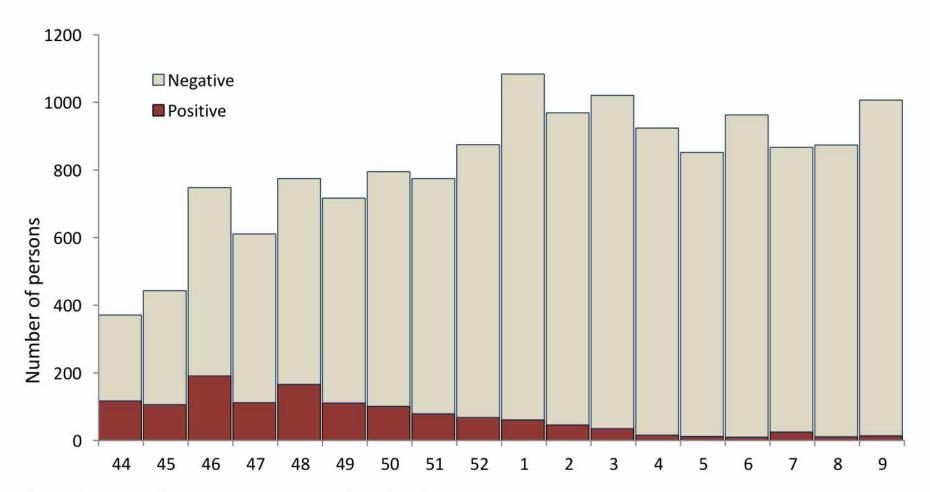
^{*}Cases confirmed through swab testing were assumed to be corpse alerts.

Percentage dead* at the time of alert by epi-week, Sierra Leone, October 27, 2014 – March 1, 2015



^{*} Cases confirmed through swab testing were assumed to be corpse alerts.

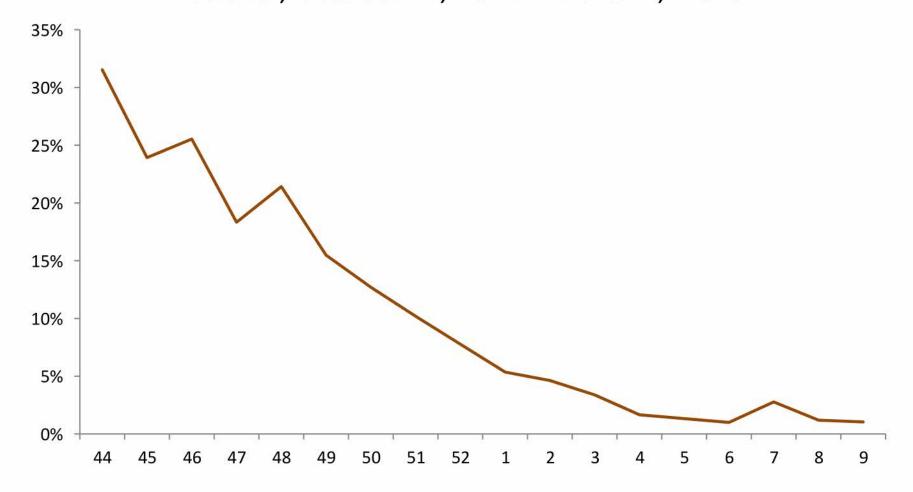
MoHS-reported corpses* by positivity and epi-week, Sierra Leone, October 27, 2014– March 1, 2015



^{*}Swab samples were assumed to be from corpse alerts.

Percentage community deaths at the time of alert by epi-week at the time of the lab results report,

National, October 27, 2014 – March 1, 2015



^{*}Swab samples were assumed to be from corpse alerts.

MoHS lab-reported EVD initial post-mortem diagnosis, February 23- March 1, 2015

Week 9 (February 23-	March 1, 2015)						
National/ District	# Confirmed Cases	# Swabs Tested	# Positive post-mortem	# Community deaths	% Community Death/Total	% Positive Swabs/Total	% Positive Swabs/
			swabs		positive swabs	Swabs	Total Cases
National	81	1059	11	6	55%	1%	14%
Во	0	105	0	0	n/a	0%	n/a
Bombali	22	97	1	0	0%	1%	5%
Bonthe	0	37	0	0	n/a	0%	n/a
Kailahun	0	34	0	0	n/a	0%	n/a
Kambia	6	73	0	0	n/a	0%	0%
Kenema	0	104	0	0	n/a	0%	n/a
Koinadugu	1	4	0	0	n/a	0%	0%
Kono	1	69	0	0	n/a	0%	0%
Moyamba	0	70	0	0	n/a	0%	n/a
Port Loko	16	118	3	2	67%	3%	19%
Pujehun	0	23	0	0	n/a	0%	n/a
Tonkolili	1	76	0	0	n/a	0%	0%
Western	34	246	7	5	71%	3%	21%

Community deaths investigation

 Between 23 February and March 1 2015, labs reported 14 "initial" positive swabs, 11 of which were confirmed to be collected from the corpses.

Deaths in		Deaths in	Deaths in	Other
Quarantined	Community	Holding	Treatment	
Homes	Deaths	Centers	Centers	
0(0%)	6 (55%)	1 (9%)	4 (36%)	0

- Western Urban: 1. female infant, from quarantined house, was tested negative with a live swab on 02/04/2015, later died in ETU from EVD on 2/27/2015. 2. 31 y.o. male, no clear epi-link, taken to ETU;
- Port Loko: an infant died in ETU, swab was tested positive for EVD.
- Bombali: 24 y.o. woman from non-quarantined house became symtomatic, arrived to ETU and died. She is a family relation of the EVD index case.

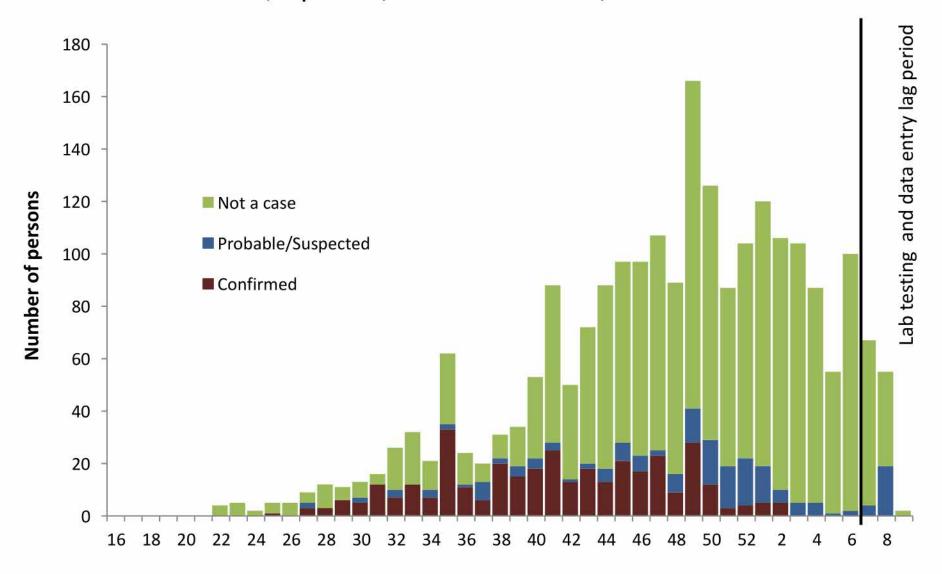
Community/CCC deaths investigation (not from quarantined home)

- Port Loko 2 corpses,
- 38 y.o. woman who died in CCC on 2/26/15. She was in contact with her father who died on 2/1/15 from EVD.
- 40 y.o. woman.
- Western 5 corpses
- o 51 y.o. male, no epi link known, herbalist;
- a person, unknown age and gender, may be linked to quarantined house;
- 48 y.o. female, linked to a quarantined house;
- 35 y.o. male, no clear epi-link;
- 42 y.o. male, linked to a quarantined house;

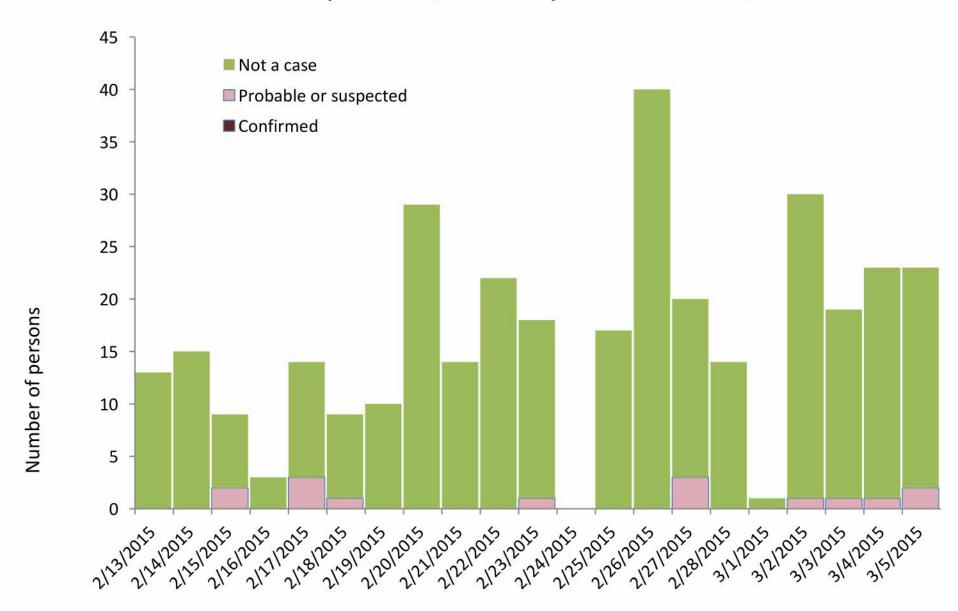
District Data

Bo District

Ebola Investigations by Case Status, MoHS VHF-reports, Bo, April 13, 2014 – March 1, 2015

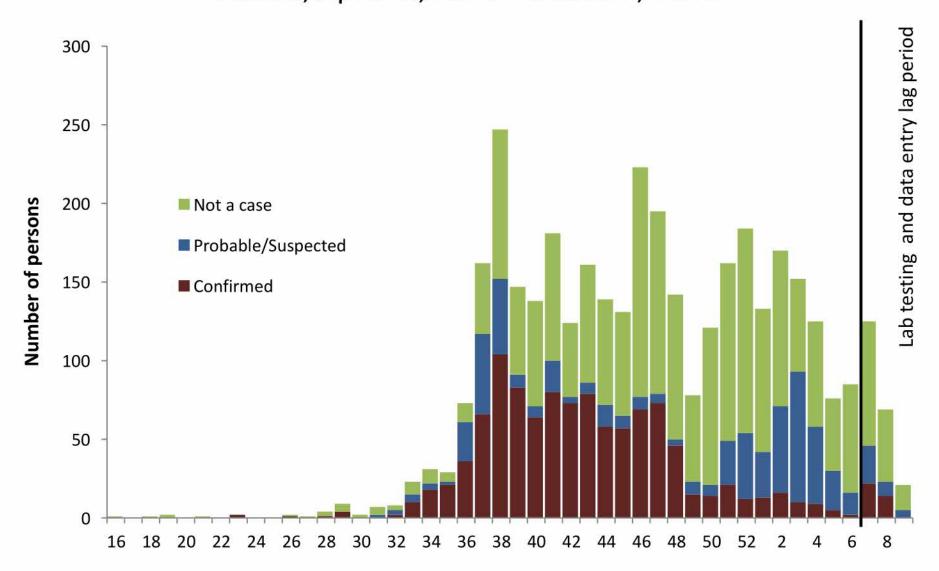


MoHS-reported lab results by case definition and the date of the lab results report, Bo, February 13 – March 5, 2015

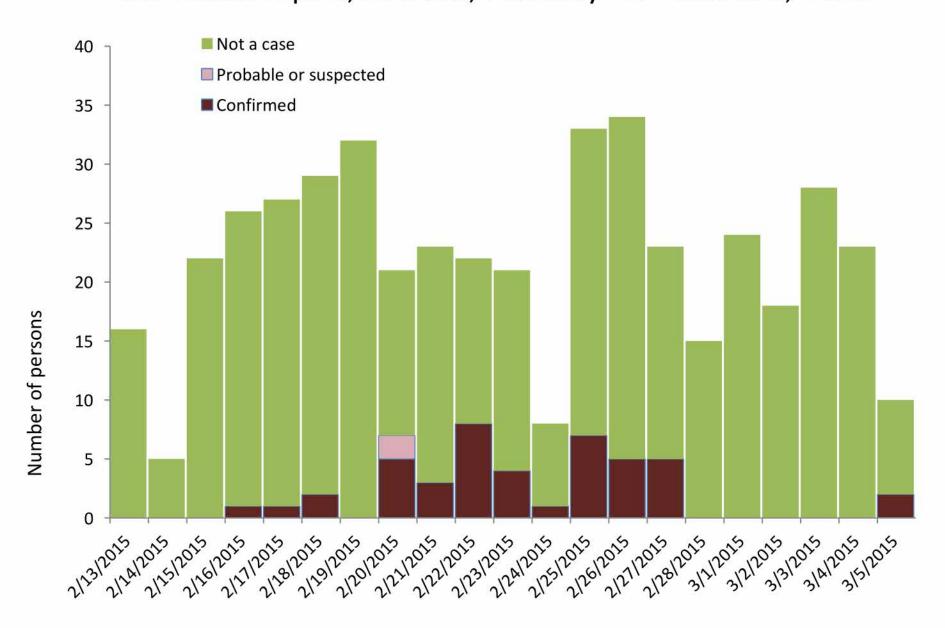


Bombali District

Ebola Investigations by Case Status, MoHS VHF Data, Bombali, April 13, 2014 – March 1, 2015

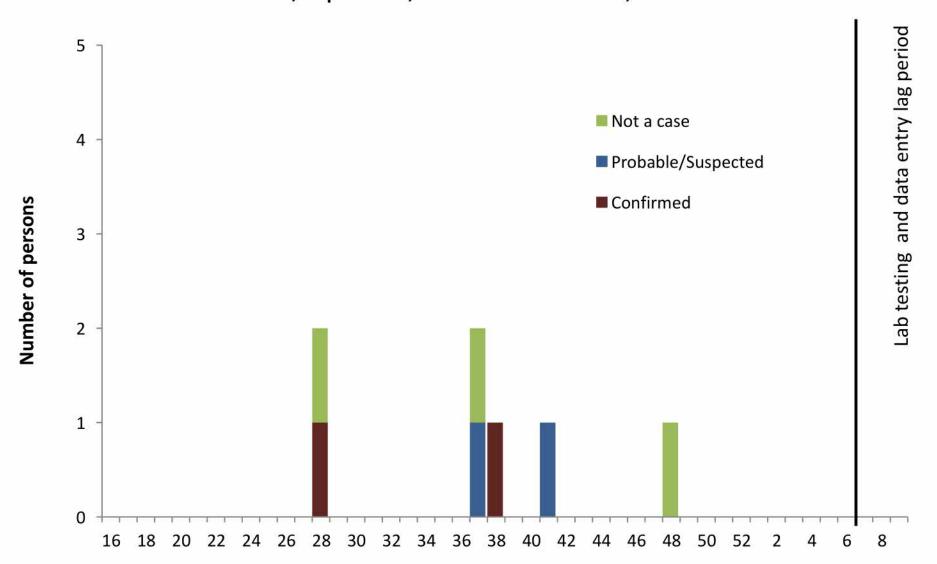


MoHS-reported lab results by case definition and the date of the lab results report, Bombali, February 13 – March 5, 2015

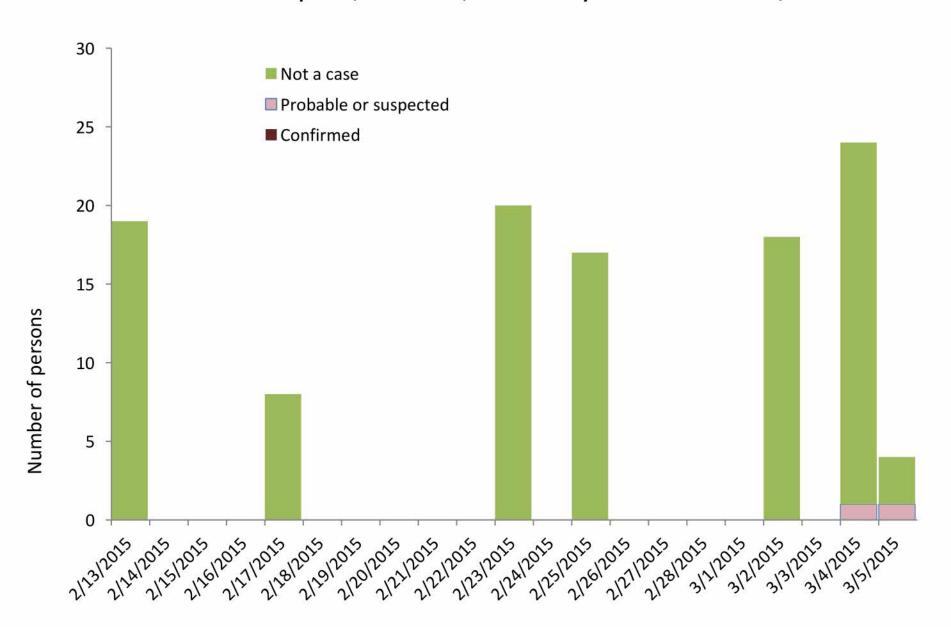


Bonthe District

Ebola Investigations by Case Status, MoHS VHF Data, Bonthe, April 13, 2014 – March 1, 2015

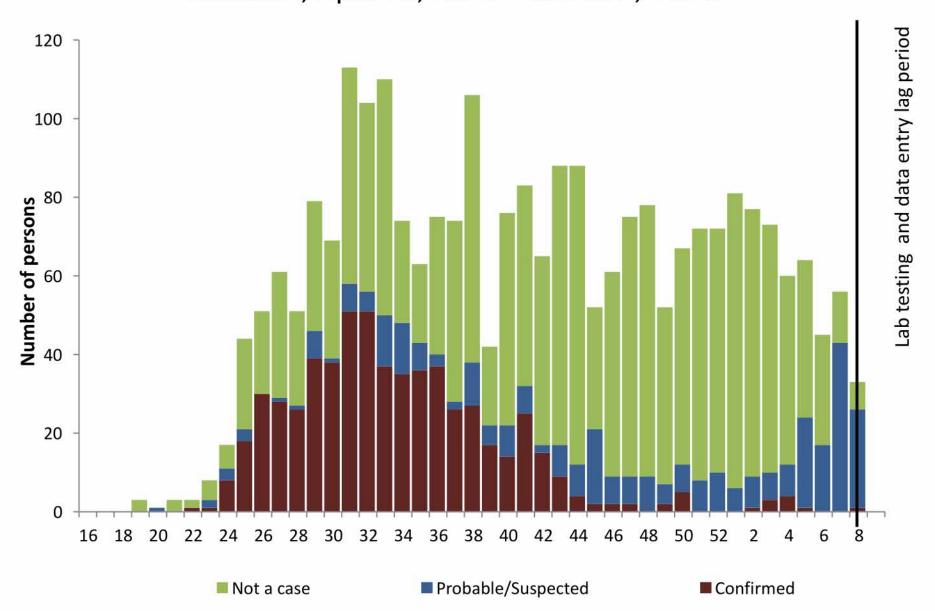


MoHS-reported lab results by case definition and the date of the lab results report, Bonthe, February 13 – March 5, 2015

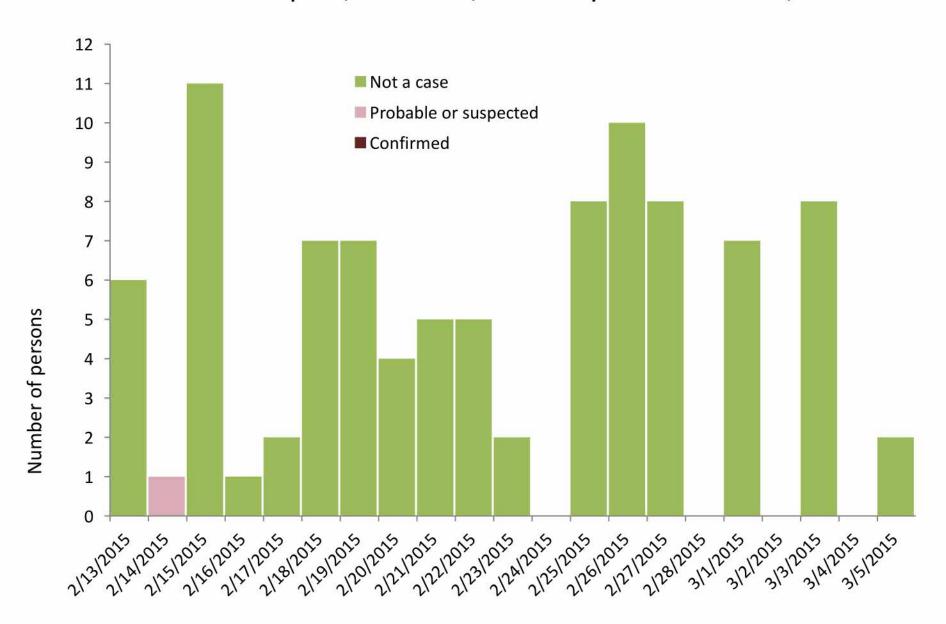


Kailahun District

Ebola Investigations by Case Status, MoHS VHF Data, Kailahun, April 13, 2014 – March 1, 2015

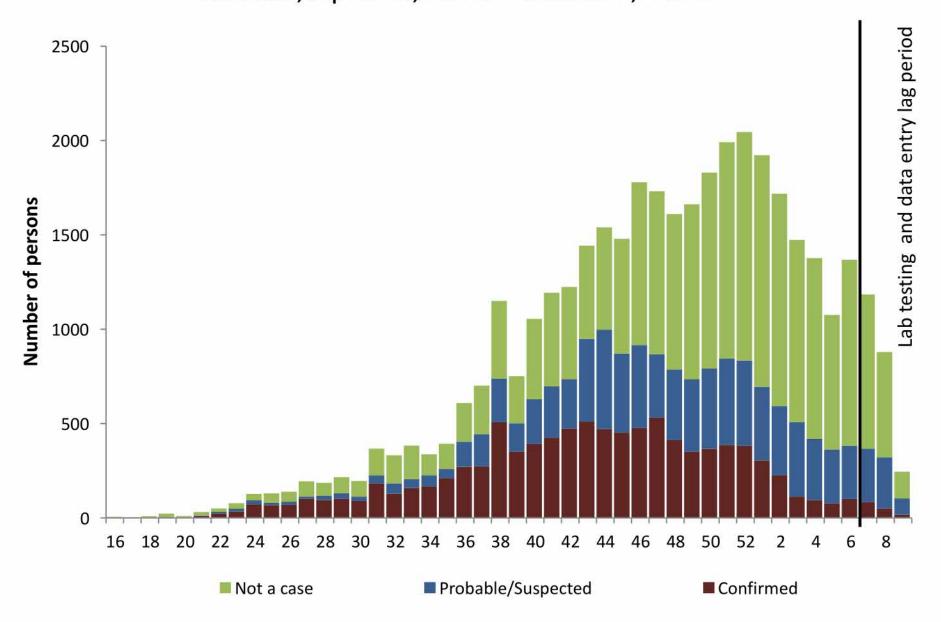


MoHS-reported lab results by case definition and the date of the lab results report, Kailahun, February 13 – March 5, 2015

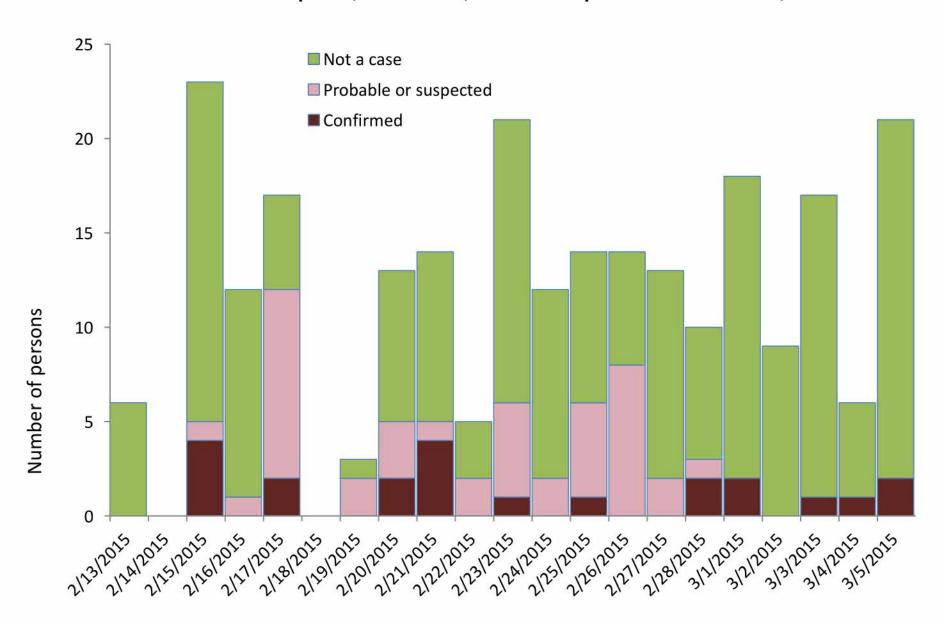


Kambia District

Ebola Investigations by Case Status, MoHS VHF Data, Kambia, April 13, 2014 – March 1, 2015

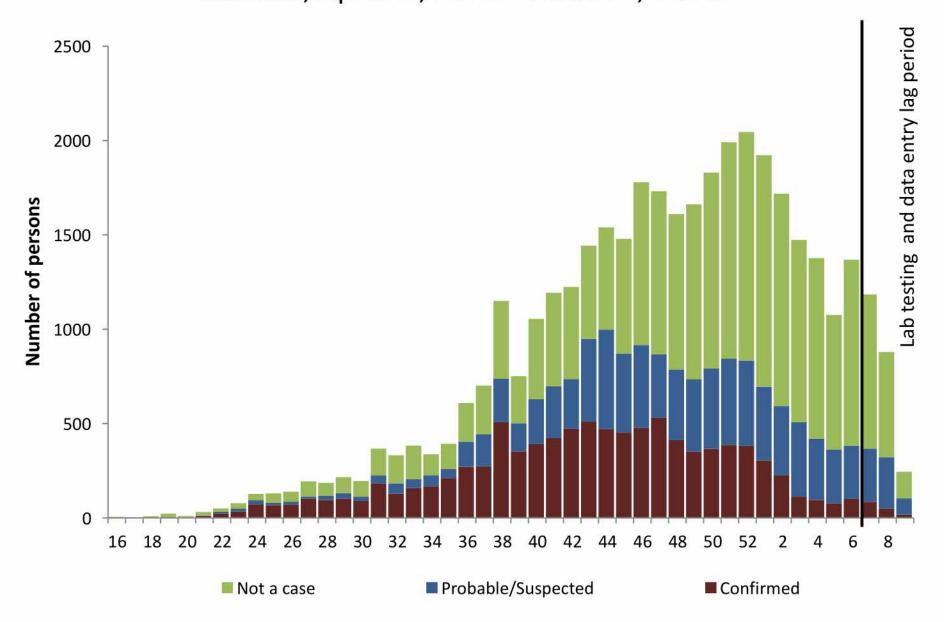


MoHS-reported lab results by case definition and the date of the lab results report, Kambia, February 13 – March 5, 2015

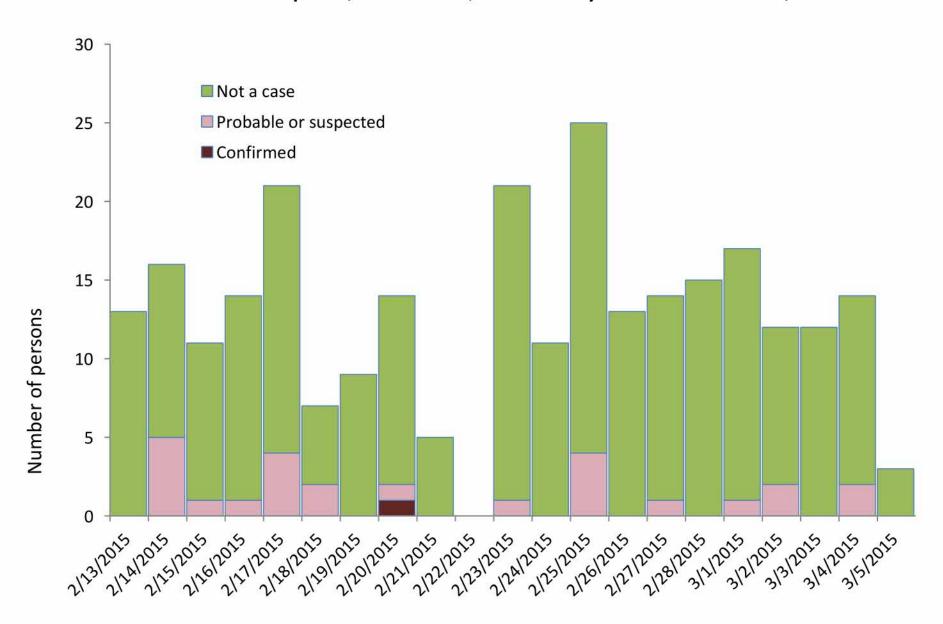


Kenema District

Ebola Investigations by Case Status, MoHS VHF Data, Kenema, April 13, 2014 – March 1, 2015

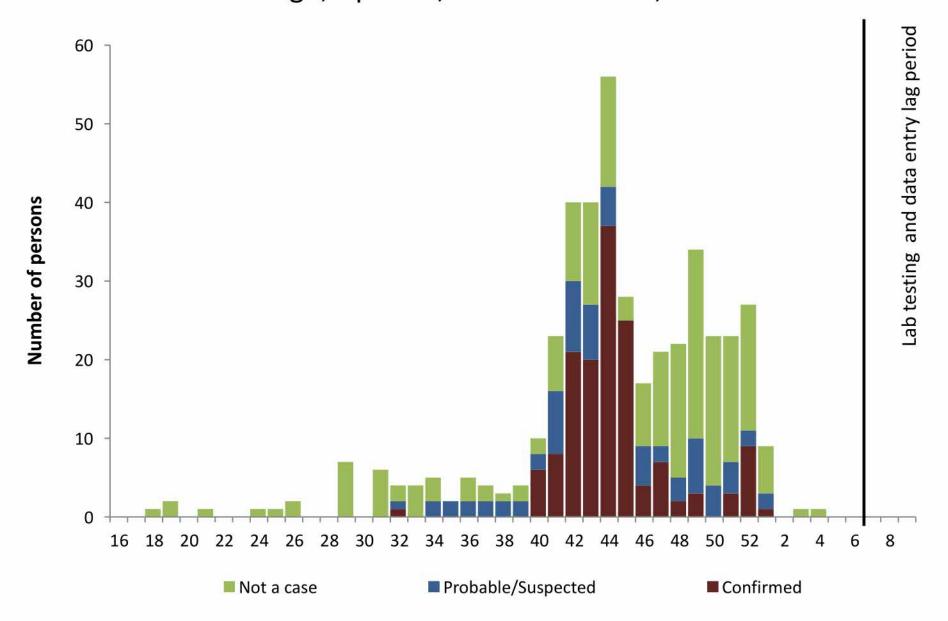


MoHS-reported lab results by case definition and the date of the lab results report, Kenema, February 13 – March 5, 2015

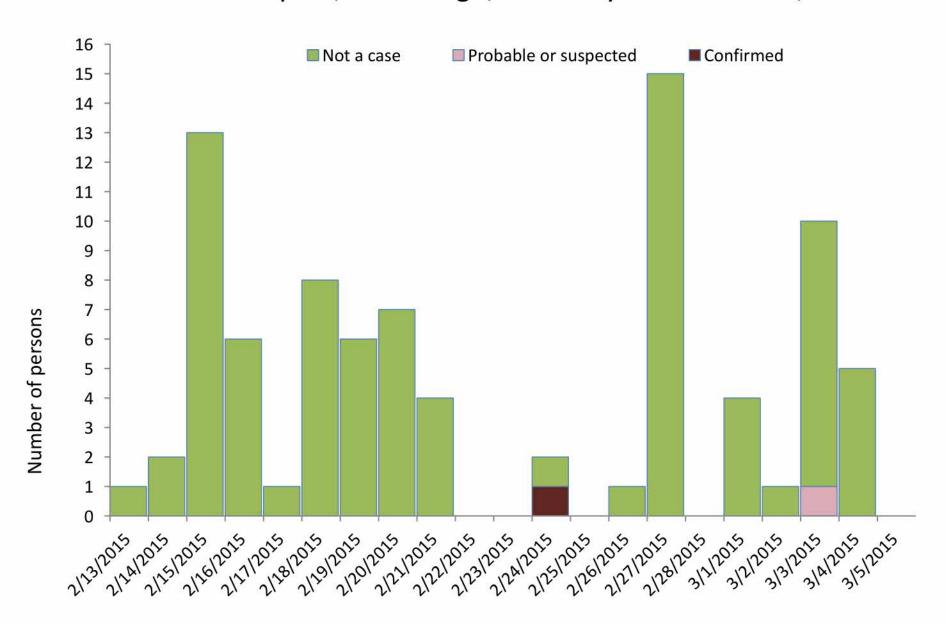


Koinadugu District

Ebola Investigations by Case Status, MoHS VHF Data, Koinadugu, April 13, 2014 – March 1, 2015

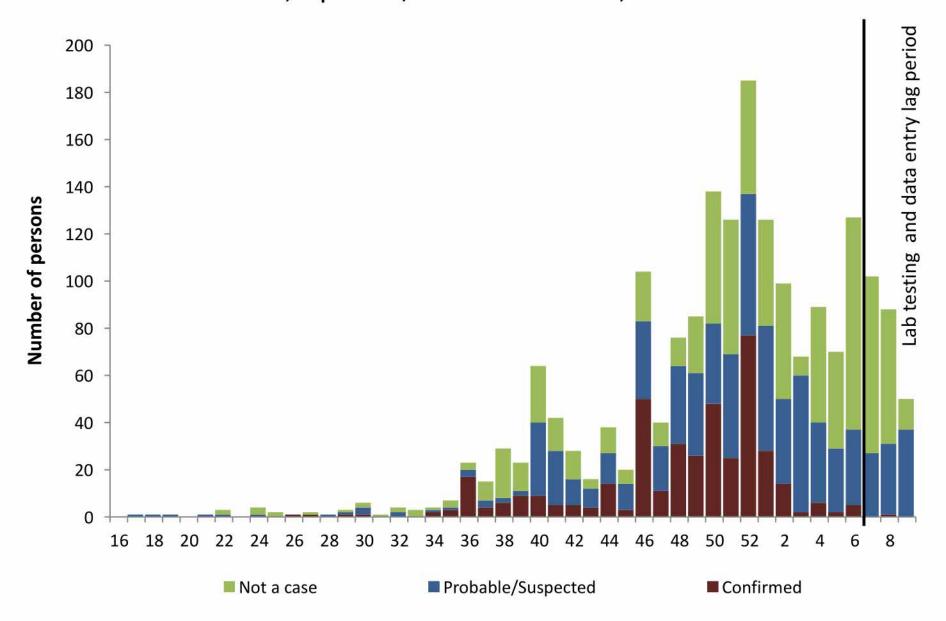


MoHS-reported lab results by case definition and the date of the lab results report, Koinadugu, February 13- March 5, 2015

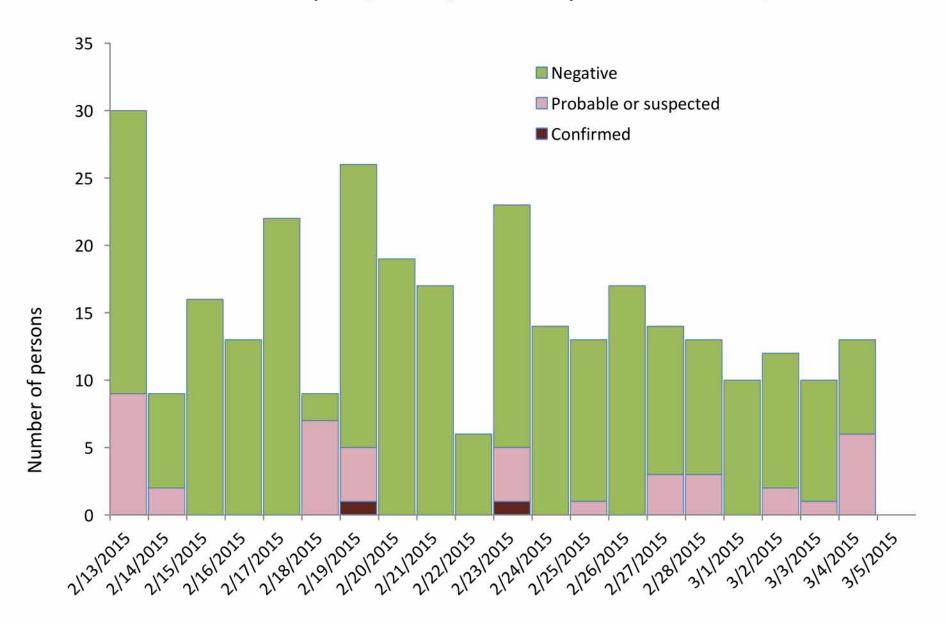


Kono District

Ebola Investigations by Case Status, MoHS VHF Data, Kono, April 13, 2014 – March 1, 2015

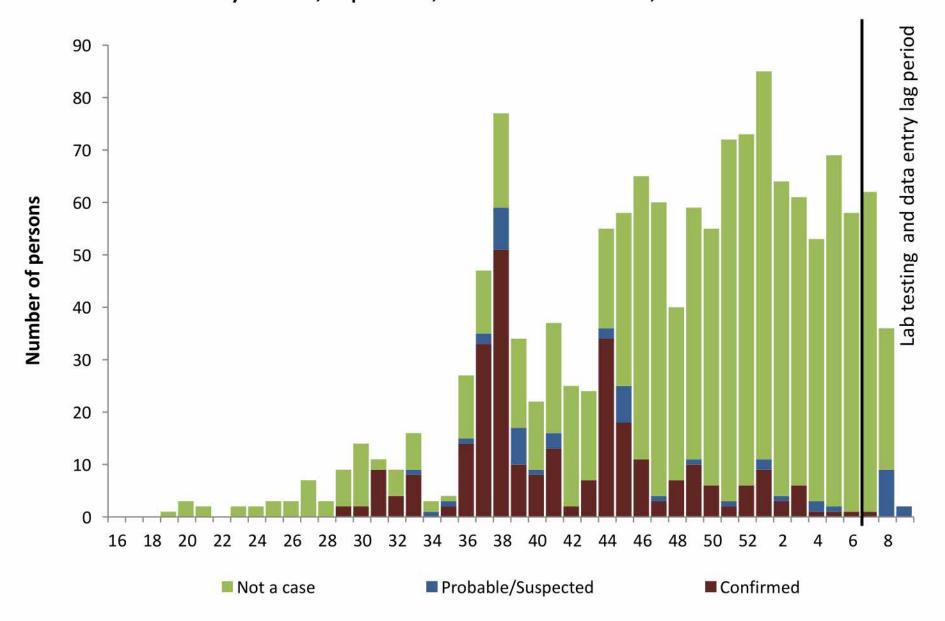


MoHS-reported lab results by case definition and the date of the lab results report, Kono, February 13 – March 5, 2015

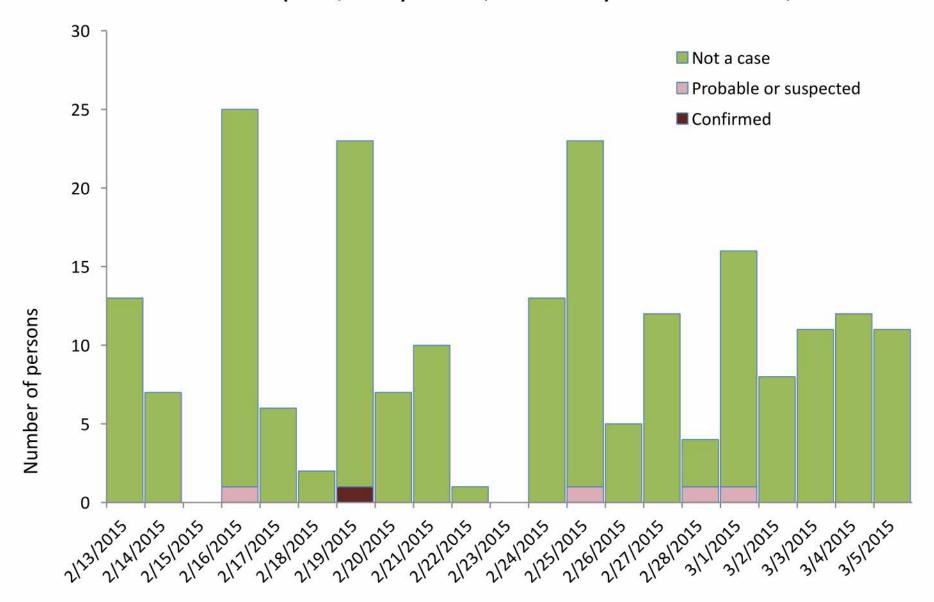


Moyamba District

Ebola Investigations by Case Status, MoHS VHF Data, Moyamba, April 13, 2014 – March 1, 2015

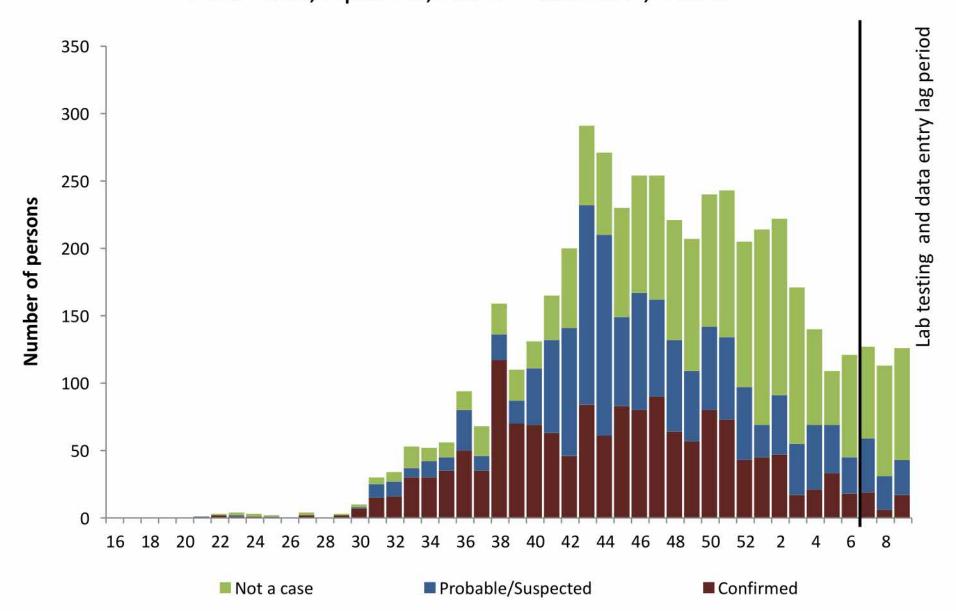


MoHS-reported lab results by case definition and the date of the lab results report, Moyamba, February 13- March 5, 2015

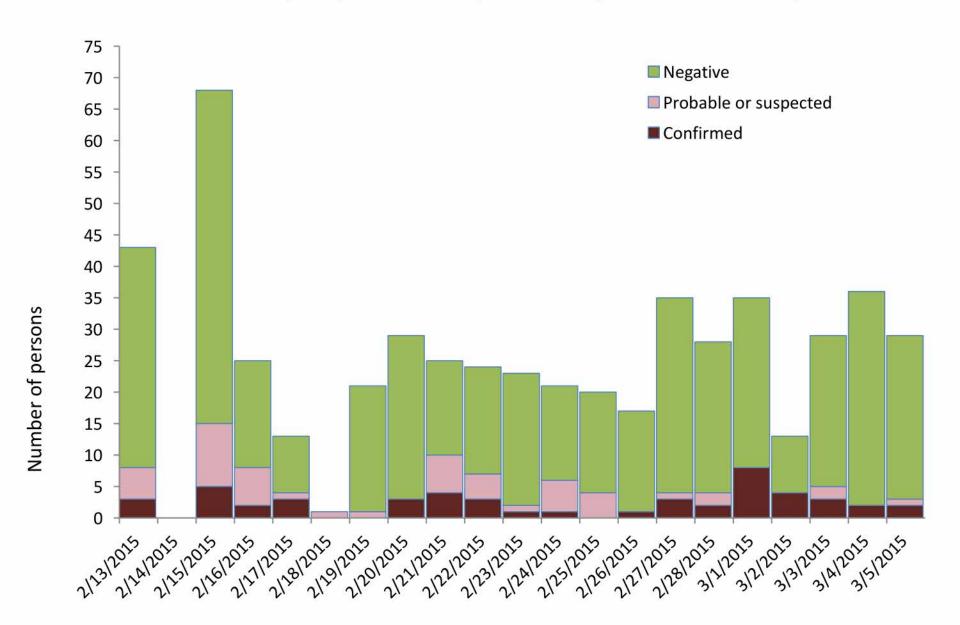


Port Loko District

Ebola Investigations by Case Status, MoHS VHF Data, Port Loko, April 13, 2014 – March 1, 2015

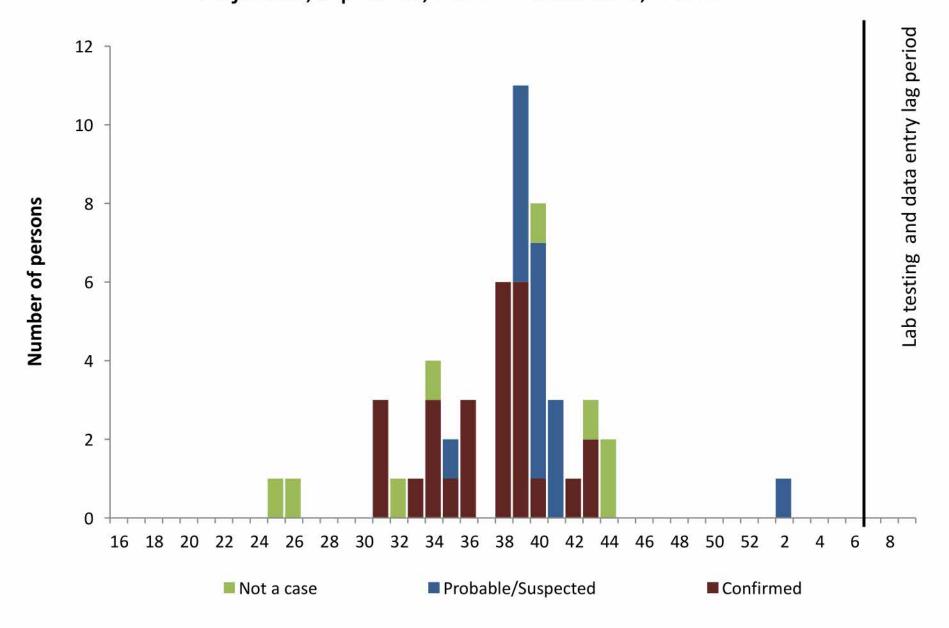


MoHS-reported lab results by case definition and the date of the lab results report, Port Loko, February 13 – March 5, 2015

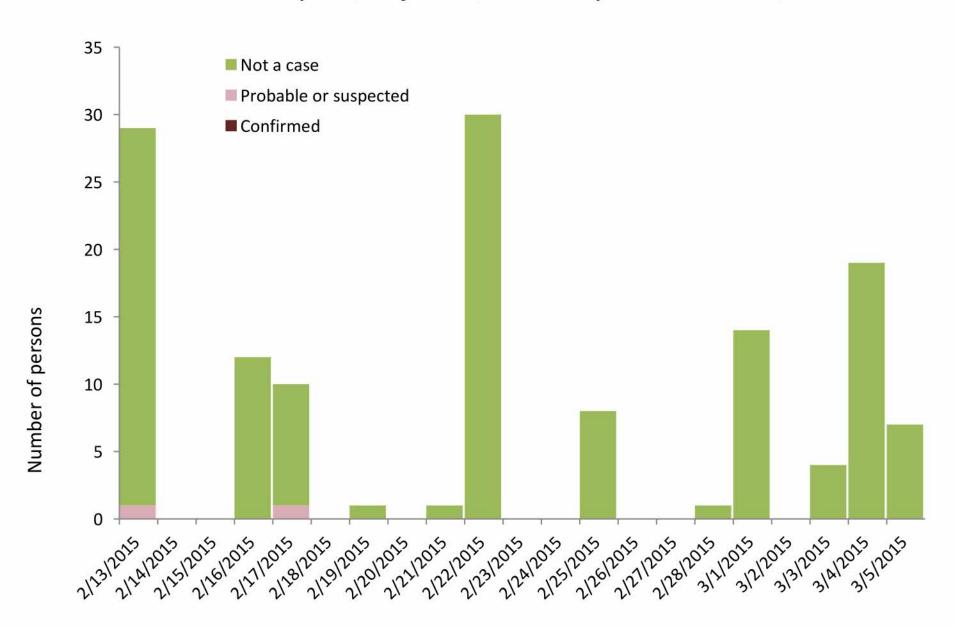


Pujehun District

Ebola Investigations by Case Status, MoHS VHF Data, Pujehun, April 13, 2014 – March 4, 2015

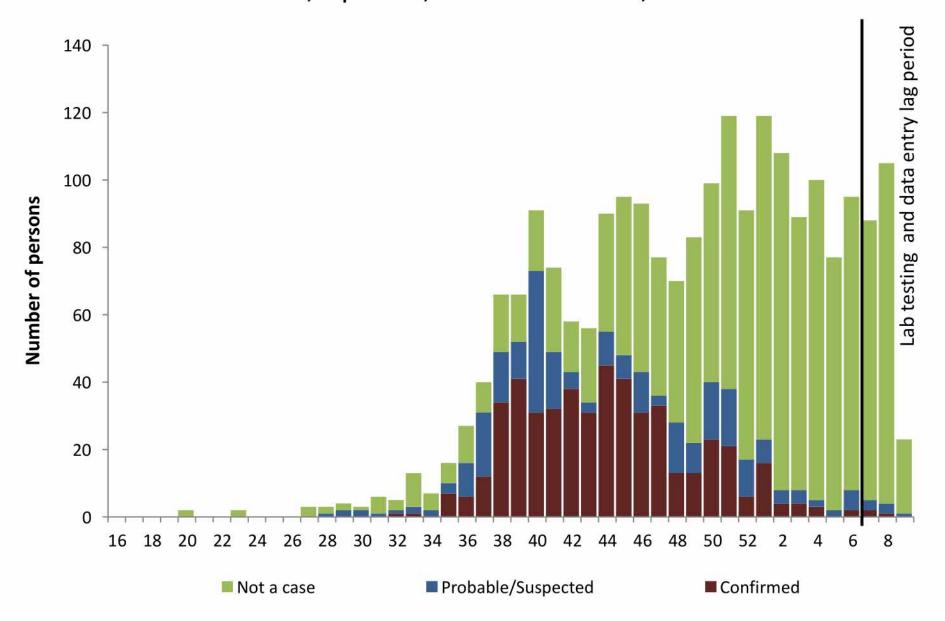


MoHS-reported lab results by case definition and the date of the lab results report, Pujehun, February 13- March 5, 2015

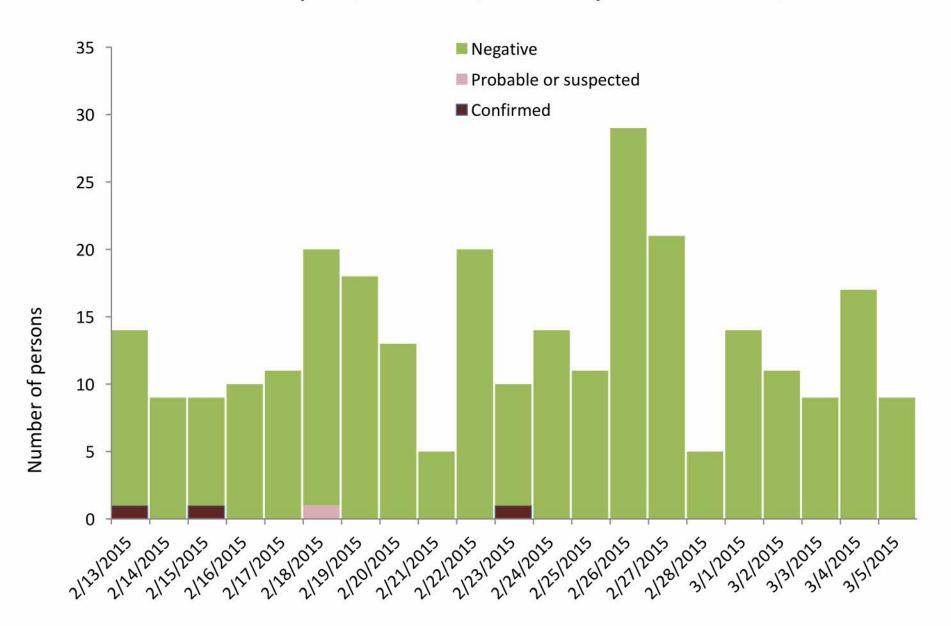


Tonkolili District

Ebola Investigations by Case Status, MoHS VHF Data, Tonkolili, April 13, 2014 – March 1, 2015

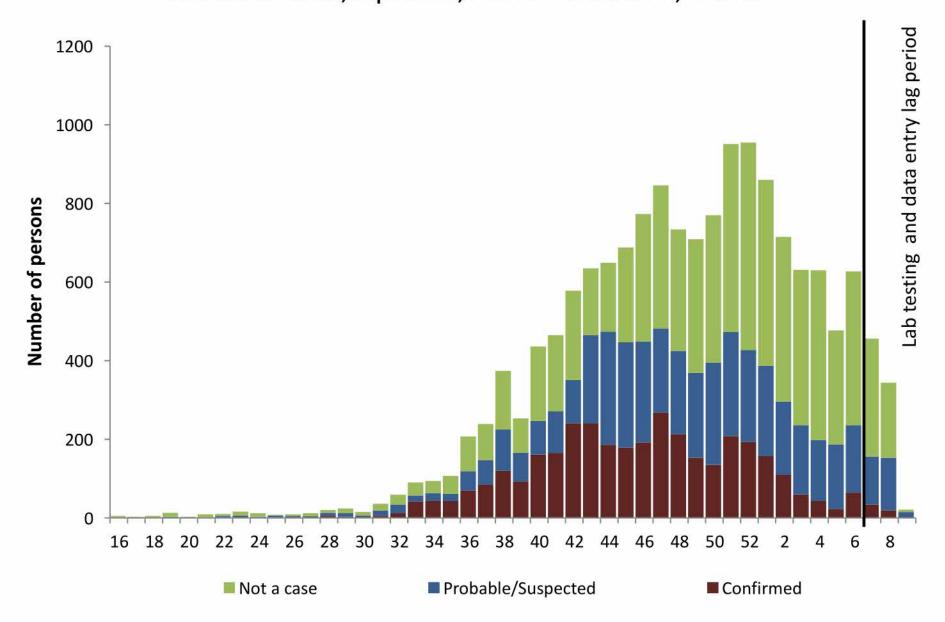


MoHS-reported lab results by case definition and the date of the lab results report, Tonkolili, February 13- March 5, 2015

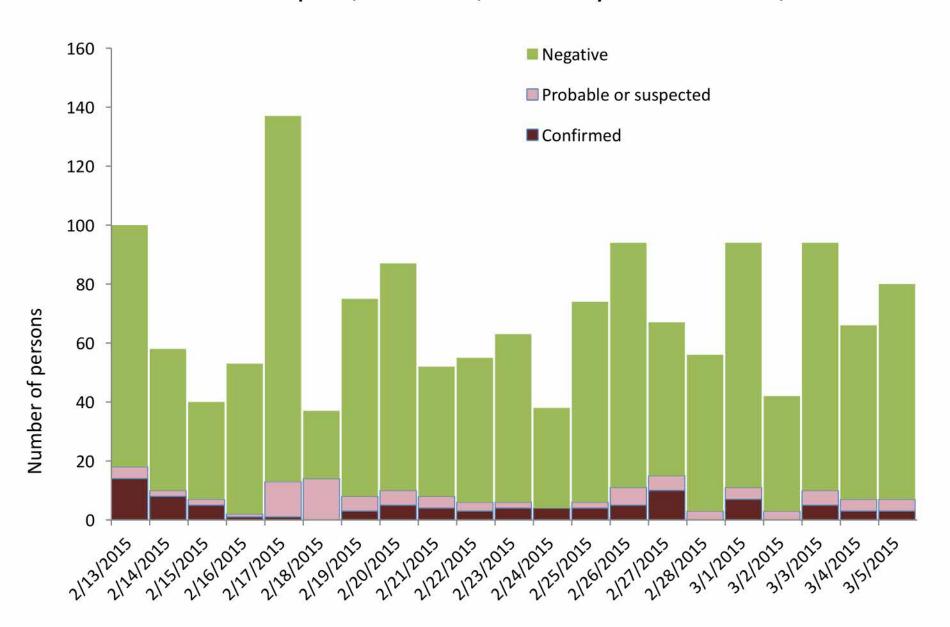


Western District

Ebola Investigations by Case Status, MoHS VHF Data, Western Area, April 13, 2014 – March 1, 2015



MoHS-reported lab results by case definition and the date of the lab results report, Western, February 13- March 5, 2015



WAERC UPDATE

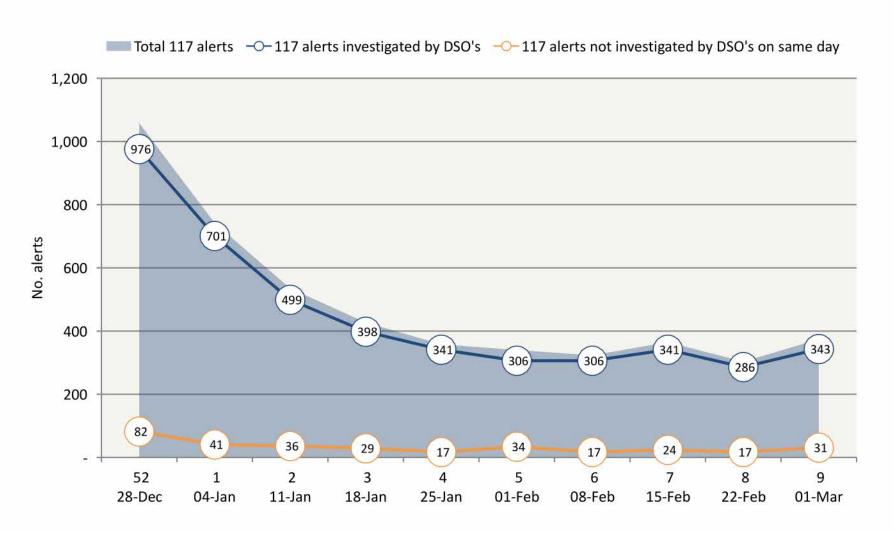
2 March 2015

Technical updates

Slide 4A changed to stack bar graph

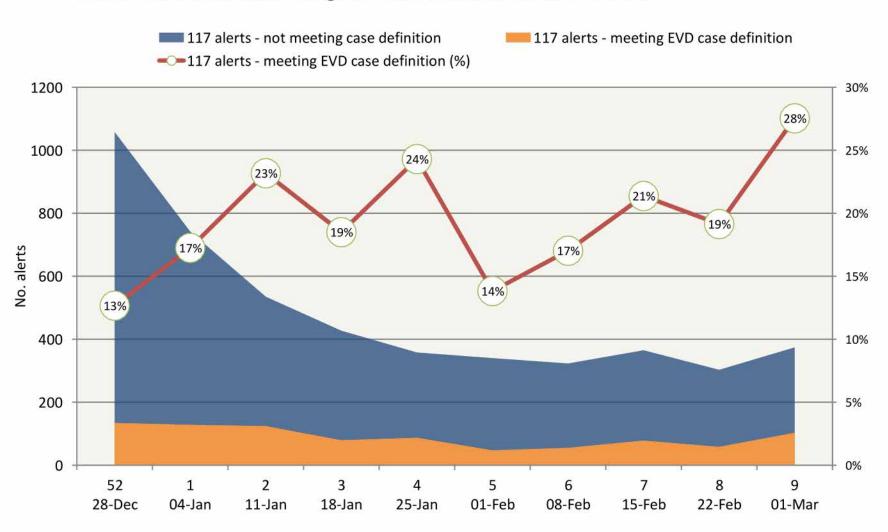
1A. Surveillance

Total alerts and response by DSO within 24 hours



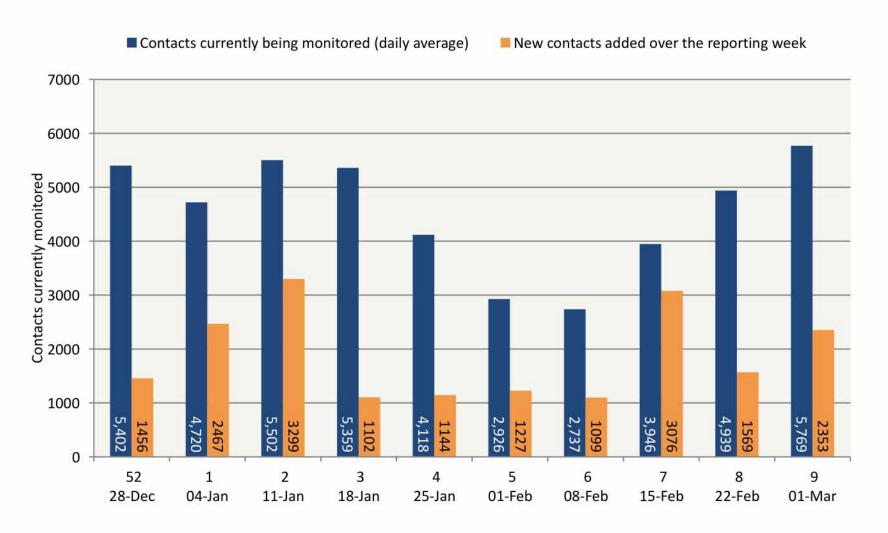
2A. Surveillance

Total alerts and those meeting EVD case definition since 22 DEC 14

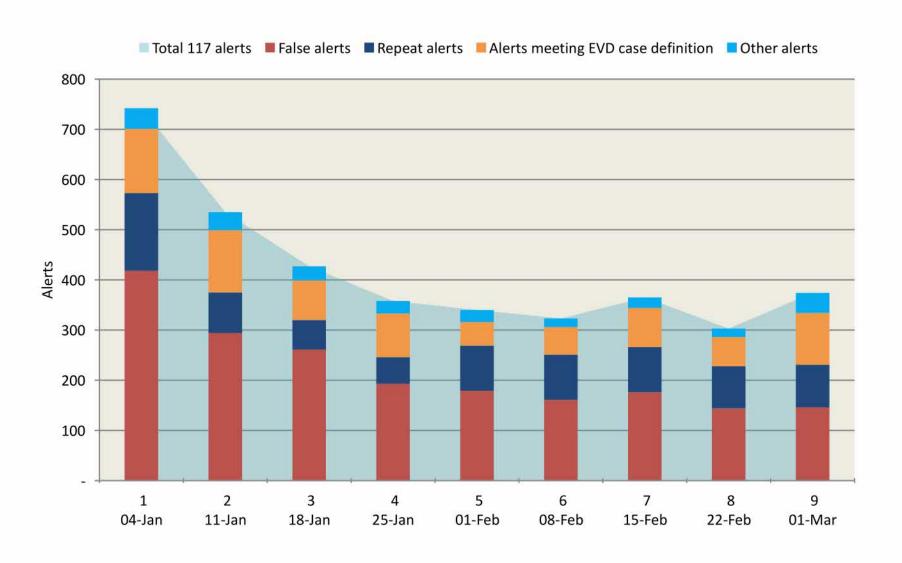


3A. Surveillance

New and existing contacts being monitored

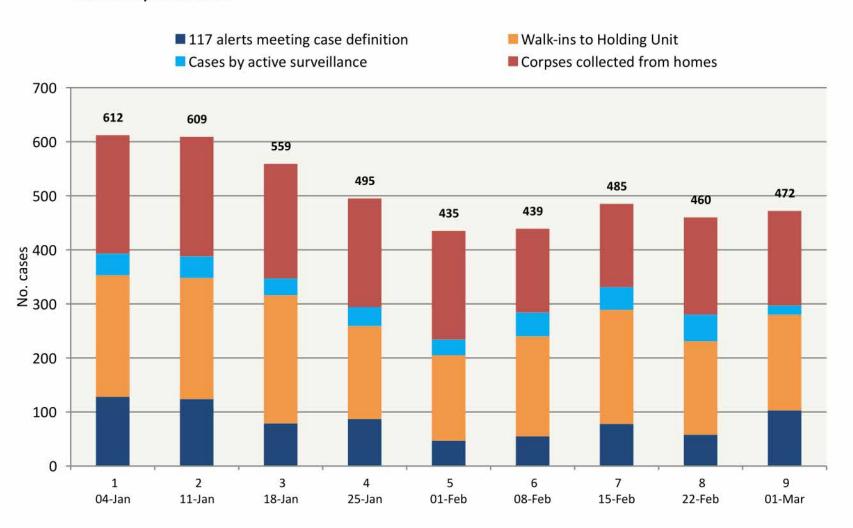


4A. SurveillanceComposition of 117 alerts



5A. Surveillance

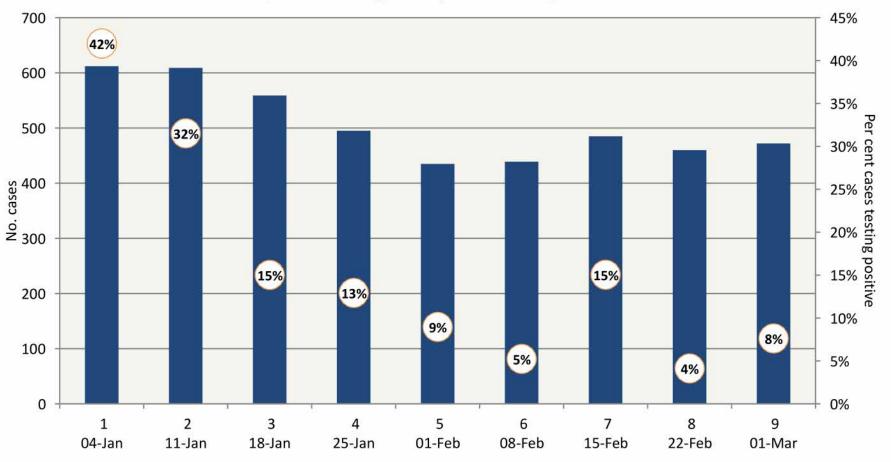
Total suspect cases



6A. Surveillance

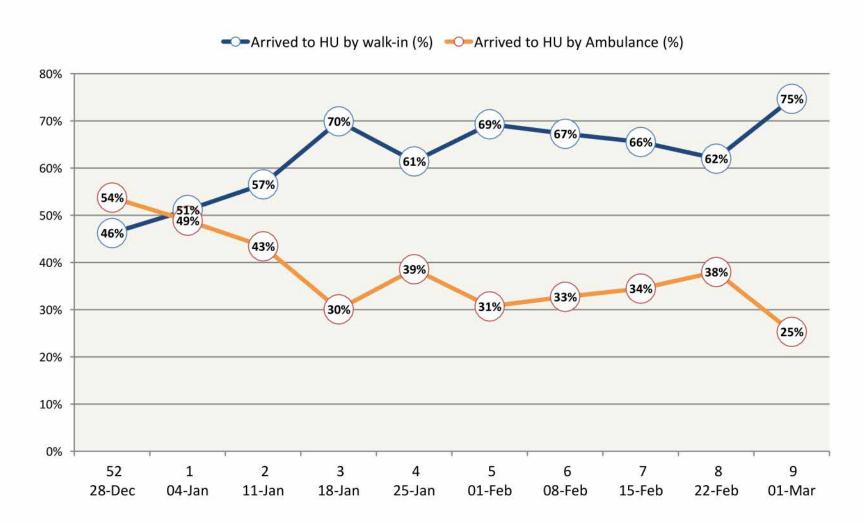
Total suspect cases

- Total suspect cases (117 + walk-ins + corpse collected from community + active surveillance)
- OPer cent of all suspect cases testing positive (Blood and SWAB)



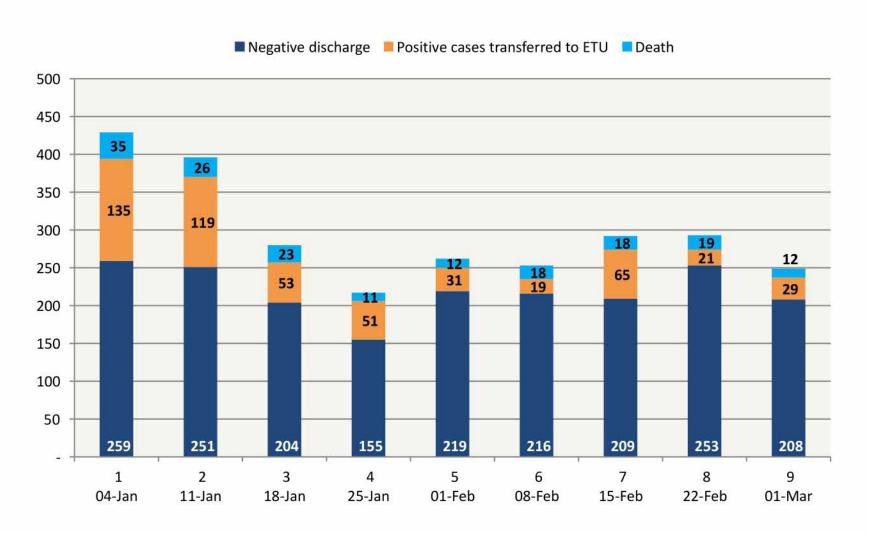
7A. Holding Centres

Mode of arrival



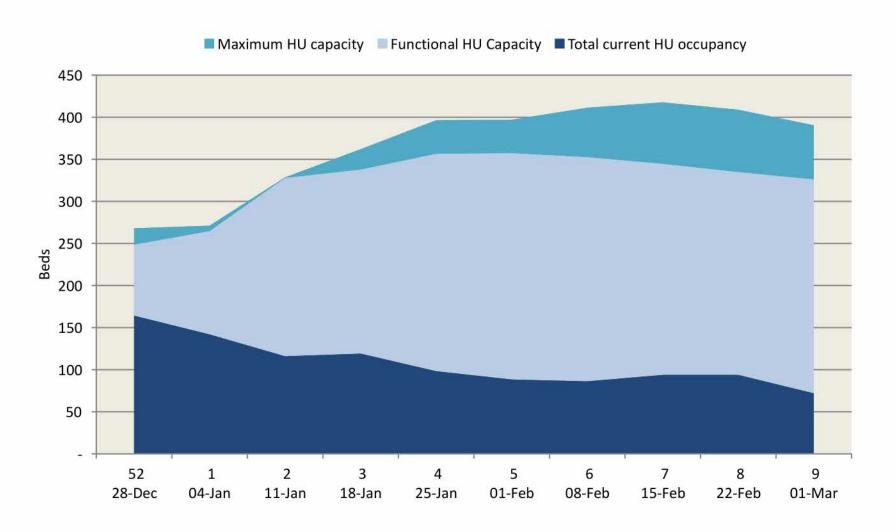
8A. Holding Centre

Mode of discharge



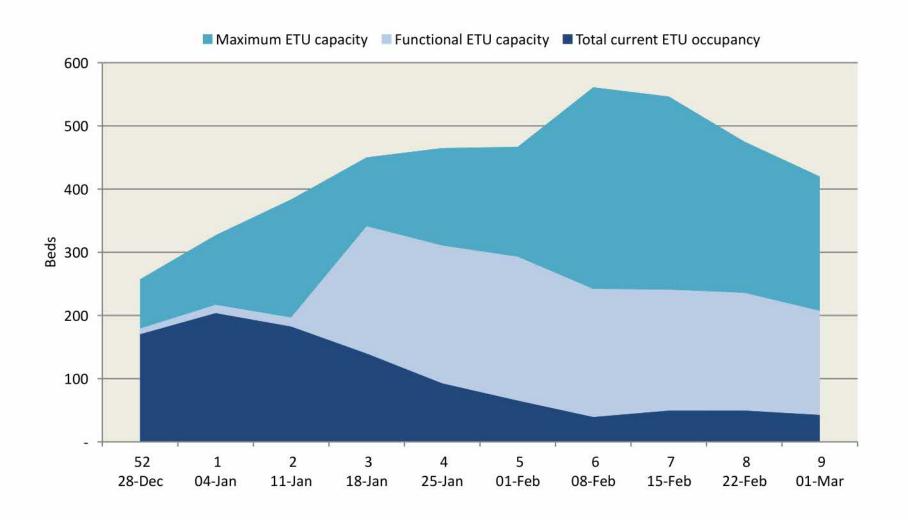
9A. Holding Units (HU)

Functionality and occupancy



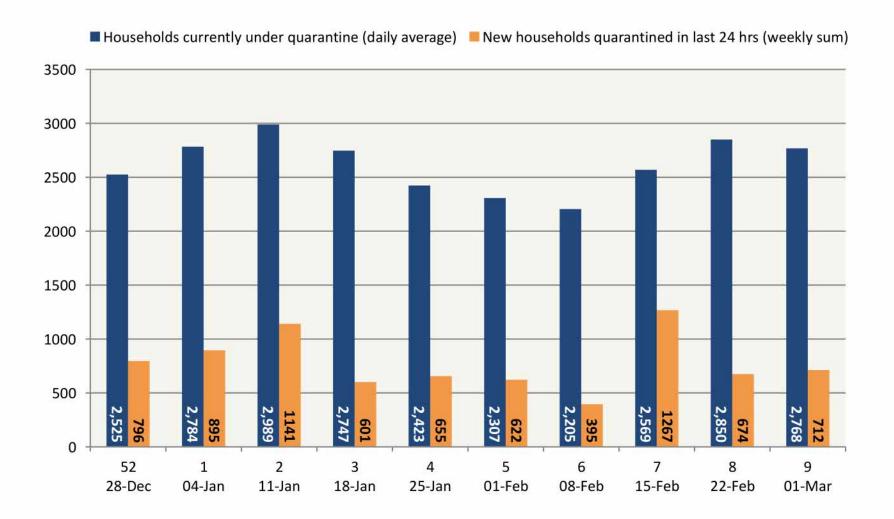
10A. Ebola Treatment Units (ETU)

Functionality and occupancy



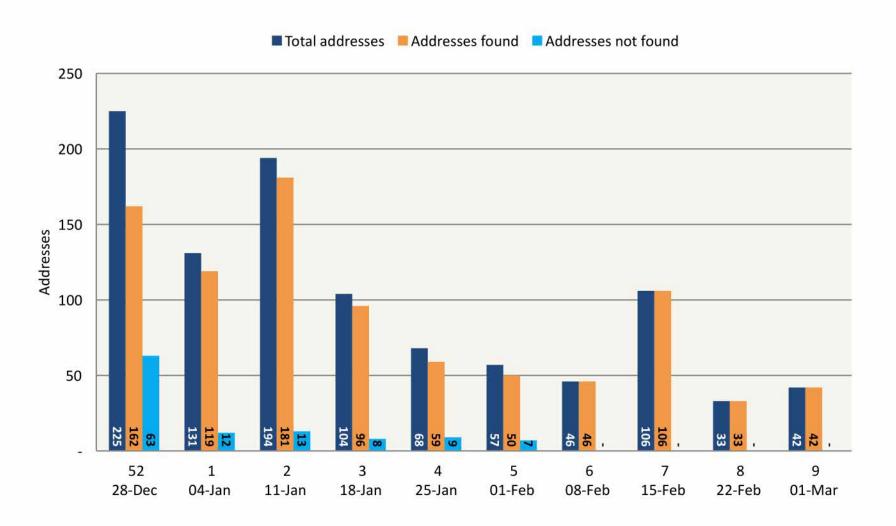
11A. Quarantine

New and existing households quarantined



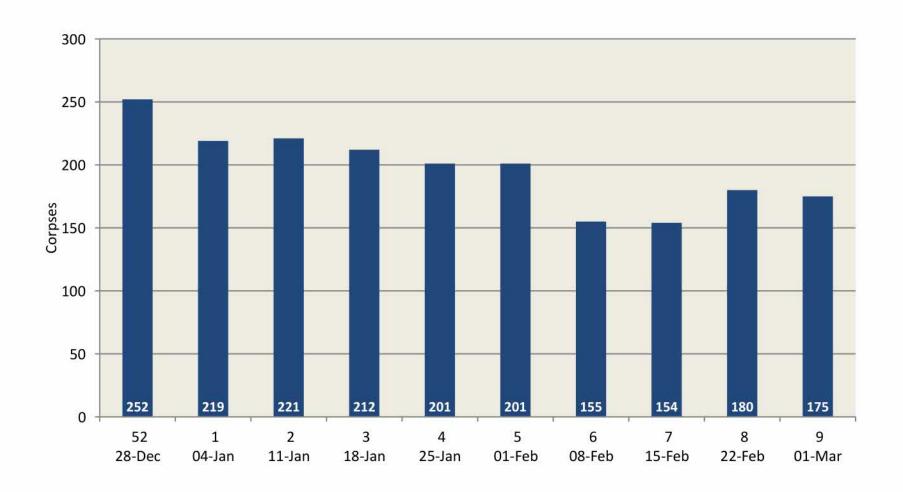
12A. Quarantine

Addresses not known within first 24 hours (weekly sum)

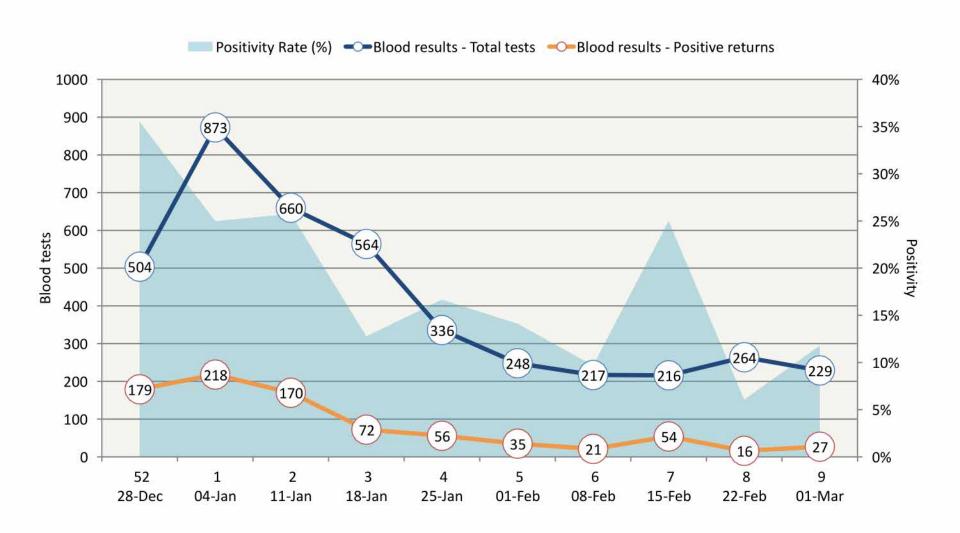


13A. Burial management

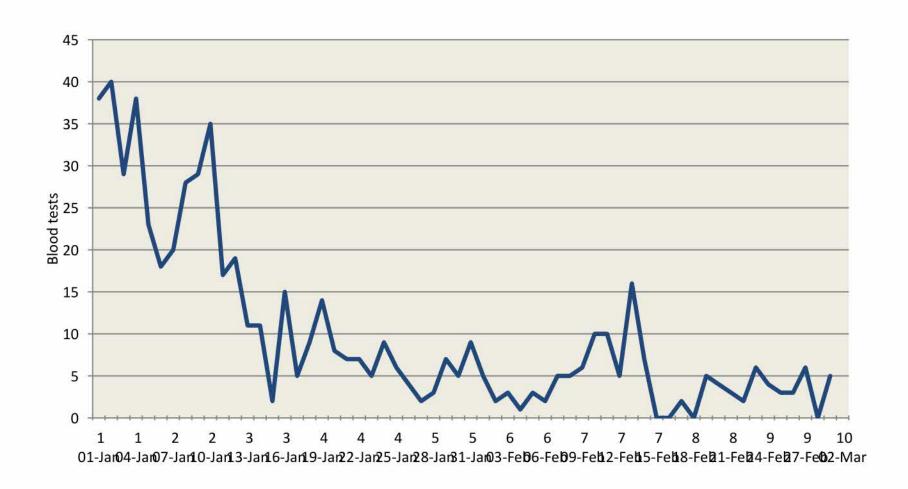
Corpses collected and buried within 24 hours



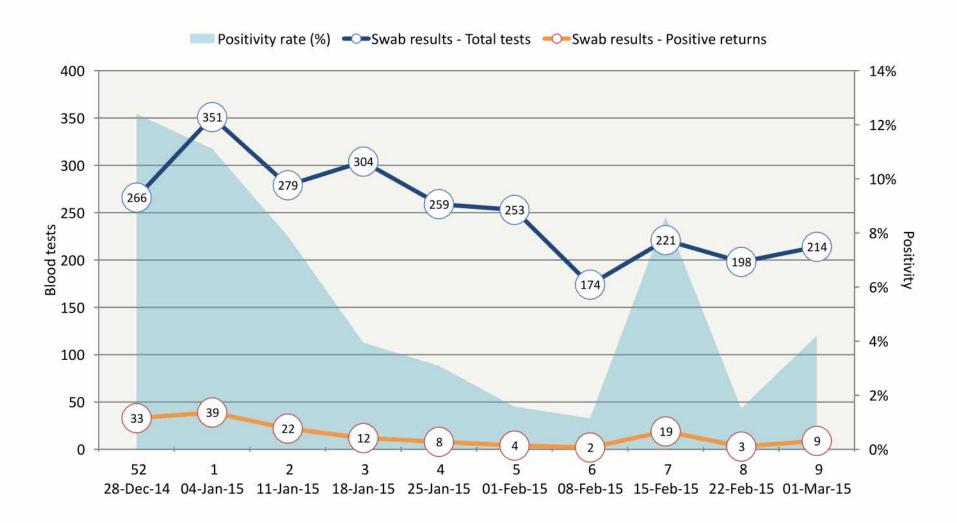
14A. Labs Blood tests



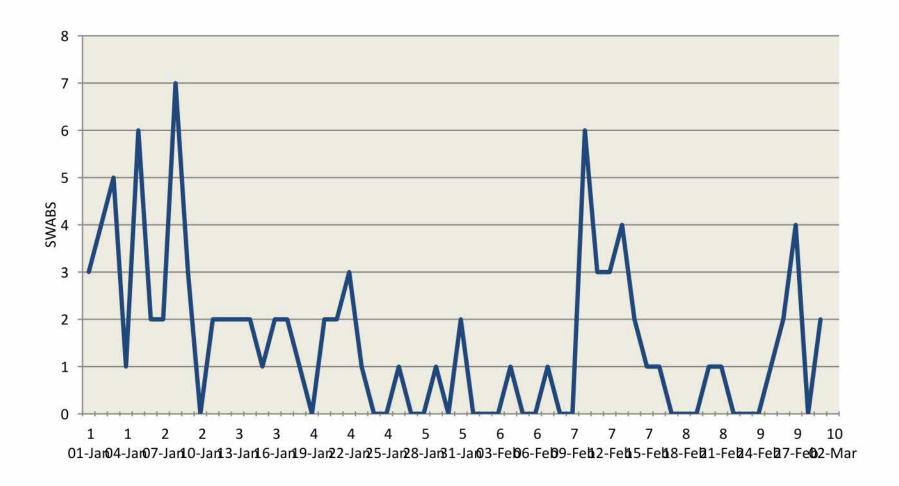
16. LabsBlood tests – Positive results



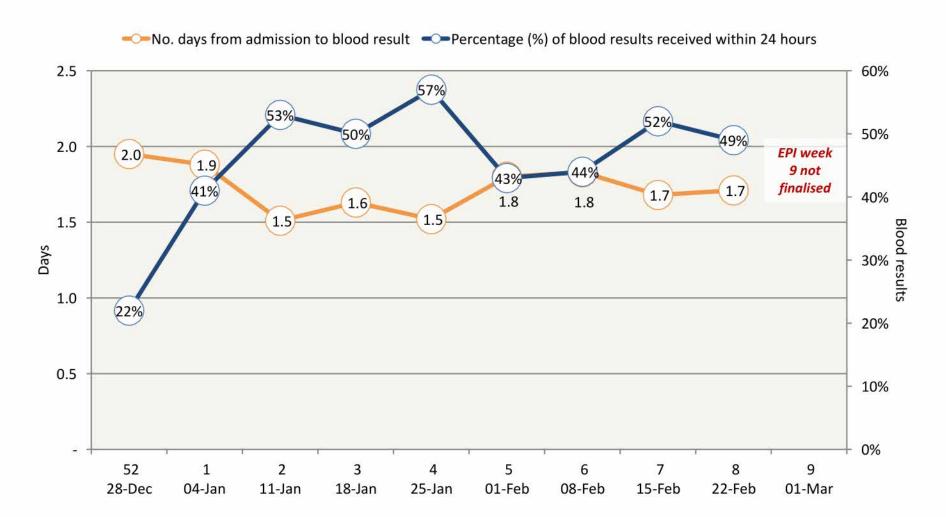
16A. Labs SWAB tests



17A. LabsSWAB tests – Positive results



18A. LabsSystem efficiency

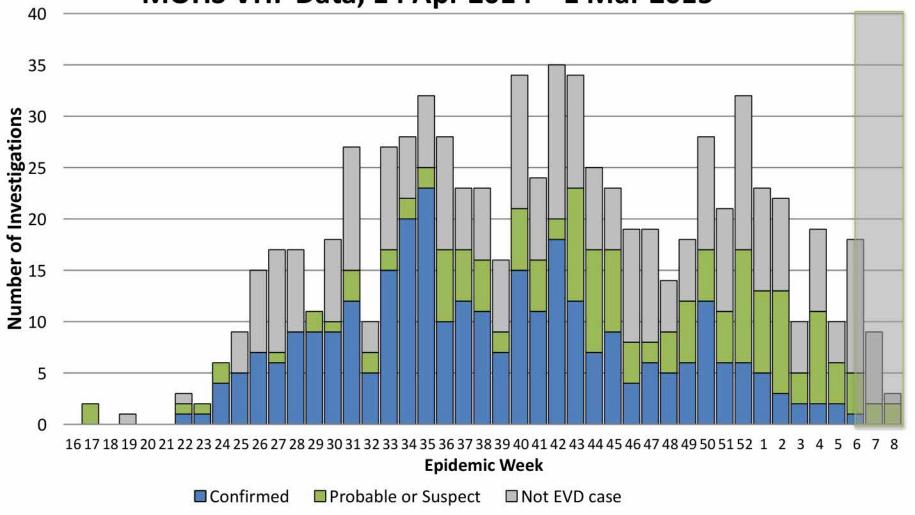


Update on HCW Infections from VHF*

^{*}No HCW cases reported for EpiWeek 9.

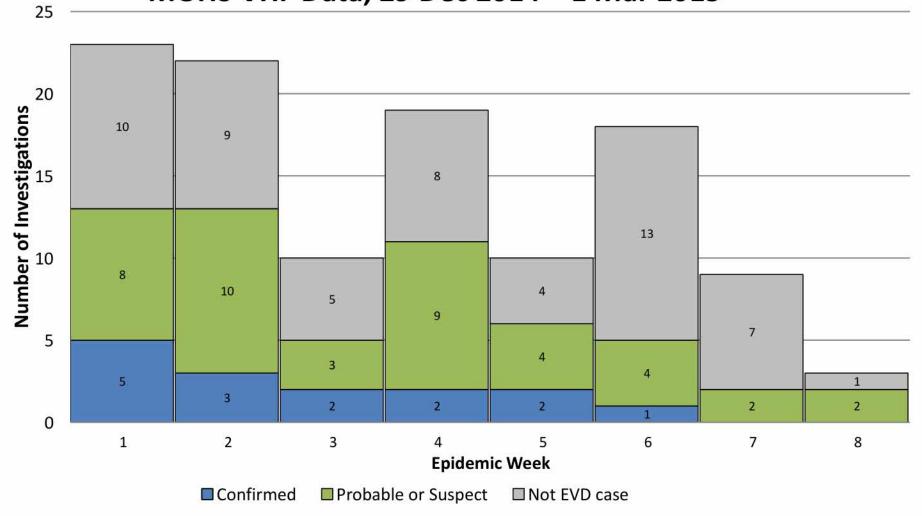
Ebola HCW Investigations by Case Status, Sierra Leone

MOHS VHF Data, 14 Apr 2014 - 1 Mar 2015*



^{*}Data updated March 1 - no new cases reported EpiWeek 9; Reporting during the last few weeks may not yet be complete

Ebola HCW Investigations by Case Status, Sierra Leone MOHS VHF Data, 29 Dec 2014 – 1 Mar 2015*



^{*}Data updated March 1 – no new cases reported for EpiWeek 9; Reporting is preliminary.

Cumulative HCW Cases by District of Onset

District	Confirmed	Probable	Suspect	Total	Epi-Week of Last Confirmed HCW Case			
Во	19	4	6	29	2015, Week 1			
Bombali	42	5	14	61	2015, Week 6			
Kailahun	24	8	5	37	2014, Week 42			
Kambia	1	0	0	1	2015, Week 2			
Kenema	80	0	8	88	2015, Week 4			
Koinadugu	2	0	0	2	2014, Week 42			
Kono	19	2	11	32	2015, Week 1			
Moyamba	4	0	0	4	2014, Week 47			
Port Loko	34	9	12	55	2015, Week 5			
Pujehun	2	2	1	5	2014, Week 42			
Tonkolili	19	4	2	25	2015, Week 1			
Western	53	7	60	120	2015, Week 3			
Missing	0	0	3	3				
Total	299	41	122	462				

Data source: VHF

From: Bumpus, Stefanie (CDC/OD/OCS)
Sent: Sat, 6 Jun 2015 10:28:23 -0400

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Marston, Barbara J. (CDC/CGH/DGHP); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills, Kimberly C. (CDC/OD/OCS); Braden, Chris (CDC/OID/NCEZID); CDC IMS OD LNO; CDC IMS Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Brown, Clive (CDC/OID/NCEZID); Demby, Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID); Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth (CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon, Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle, Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle (CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID); Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR); Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W. (CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca (CDC/CGH/DGHP); Hersey, Sara (CDC/CGH/DGHP); Glover, Maleeka (CDC/OID/OD); Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B. (CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan, Daniel B. (CDC/OID/NCIRD); English, Lorna M. (CDC/ONDIEH/NCCDPHP); CDC IMS DGMQ Task Force Leader/Deputy; Irwin, Kathleen L. (CDC/OID/NCHHSTP); Kretsinger, Katrina (CDC/CGH/GID); Linkins, Robert (CDC/CGH/GID)

Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO); Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD); McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A. (CDC/OID/NCHHSTP); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E. (CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta, Neil (CDC/OID/NCEZID); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre (CDC/OID/NCEZID); Ransom, Ray (CDC/CGH/DGHP); CDC IMS Health Promotion; Pembleton, Elizabeth (CDC/OID/NCEZID) (CTR); Lindblade, Kimberly (Kim) (CDC/OID/NCIRD); Henderson, Alden (CDC/CGH/DGHP); Pappas, Claudia (CDC/OID/NCIRD); Waterman, Steve (CDC/OID/NCEZID); Kahn, Emily B. (CDC/OPHPR/DSLR); Moore, Melissa (CDC/OID/NCIRD); Balish, Amanda (CDC/OID/NCIRD); Weirich, Elizabeth (CDC/OPHSS/CSELS); Anderson, Mark (CDC/CGH/DGHP); Chen, Guan Ming (CDC/OPHSS/CSELS) (CTR); Nowlin, Sue (CDC/NIOSH/DSHEFS); Sniadack, David (CDC/CGH/GID); Dennis, Miatta (CDC/CGH/DGHP); Lawrence, Gena G. (CDC/CGH/DPDM); Jones, LaBrina M. (CDC/OPHPR/DEO); CDC IMS Incident Manager Task Tracker; Karem, Kevin (CDC/CGH/OD)

Subject: RE: Ebola: Country Call Sierra Leone

Attachments: Weekly Epi Report 06 June 2015 FINAL.PPTX



Slides for today's call

----Original Appointment----

From: EOC Conf/Bridge Calendar (CDC)
Sent: Monday, November 24, 2014 9:00 AM

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Marston, Barbara J.

```
(CDC/CGH/DGHP); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS
AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills,
Kimberly C. (CDC/OD/OCS); Braden, Chris (CDC/OID/NCEZID); CDC IMS OD LNO; CDC IMS
Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Bumpus, Stefanie
(CDC/OD/OCS); Brown, Clive (CDC/OID/NCEZID); Frieden, Thomas (Tom) (CDC/OD); Demby,
Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID);
Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth
(CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon,
Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle,
Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle
(CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID);
Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR);
Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W.
(CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca
(CDC/ONDIEH/NCCDPHP); Hersey, Sara (CDC/CGH/DGHA); Glover, Maleeka (CDC/OID/OD);
Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B.
(CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan,
Daniel B. (CDC/OID/NCIRD); English, Lorna M. (CDC/ONDIEH/NCCDPHP); CDC IMS DGMQ Task
Force Leader/Deputy; Irwin, Kathleen L. (CDC/OID/NCHHSTP); Kretsinger, Katrina
(CDC/CGH/GID); Linkins, Robert (CDC/CGH/GID)
Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie
Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO);
Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD);
McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A.
(CDC/CGH/GID); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E.
(CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta,
Neil (CDC/OID/NCEZID); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre
(CDC/OID/NCEZID); Ransom, Ray (CDC/CGH/DGHP); CDC IMS Health Promotion; Pembleton,
Elizabeth (CDC/OID/NCEZID) (CTR); Lindblade, Kimberly (Kim) (CDC/OID/NCIRD); Henderson,
Alden (CDC/CGH/DGHP); Pappas, Claudia (CDC/OID/NCIRD); Waterman, Steve
(CDC/OID/NCEZID); Kahn, Emily B. (CDC/OPHPR/DSLR); Moore, Melissa (CDC/OID/NCIRD);
Balish, Amanda (CDC/OID/NCIRD); Weirich, Elizabeth (CDC/OPHSS/CSELS); Anderson, Mark
(CDC/CGH/DGHP); Chen, Guan Ming (CDC/OPHSS/CSELS) (CTR); Nowlin, Sue
(CDC/NIOSH/DSHEFS); Sniadack, David (CDC/CGH/GID); Dennis, Miatta (CDC/CGH/DGHP);
Lawrence, Gena G. (CDC/CGH/DPDM); Jones, LaBrina M. (CDC/OPHPR/DEO); CDC IMS Incident
Manager Task Tracker; Karem, Kevin (CDC/CGH/OD)
Subject: Ebola: Country Call Sierra Leone
When: Saturday, June 06, 2015 10:25 AM-10:55 AM (UTC-05:00) Eastern Time (US & Canada).
Where: Conference Call Only
```

Please note that starting April 18, 2015 duration for this call is 30 minutes and the time will be as follows:

Atlanta: 10:25-10:55 AM Sierra Leone: 2:25-2:55 PM

Updated bridgeline

POC: INTL TF Barbara Marston & Lorna English

The call line information is:

Bridgeline: Passcode:		
		(b)(6)
Internationa	ai Number	(b)(6)

For any changes or updates, please contact EOCReport@cdc.gov or phone (770) 488-7100

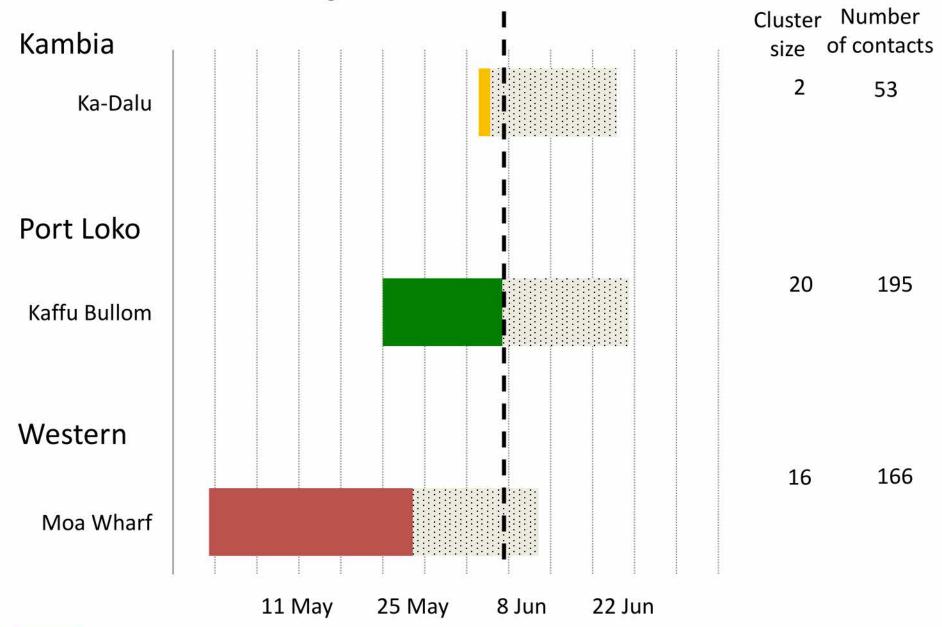
Sierra Leone Ebola Response Epidemiology Overview June 6, 2015

Summary of New Cases

				Sι	ımn	nary	Case	e Co	unts	S						
Epi Week 22								Epi Week 23*								
25-May	26-Мау	27-May	28-May	29-Мау	30-Мау	31-May	Totals		1-Jun	2-Jun	3-Jun	4-Jun	2-Jun	e-Jun	7-Jun	Totals
			1			1(1)	1(1)			1				1		2
	2(1)			1			3(1)									
	1(1)	3	2		1	1	8(1)		1	1	1	2				5
0	3(2)	3	2	1	1	2(1)	12(3)		1	2	1	2	0	1		7
		2(1)	75-May year (1) 26-May (1) 3	75- May 75- Ma	Epi Week 2 April 2	Epi Week 22 April 20 Apr	Epi Week 22 Application Epi Week 22 Application Epi Week 22 Application Sept. Way A	Epi Week 22 Selection Sel	Epi Week 22 A	Epi Week 22 April	Action Action<	Epi Week 22 Epi Week 22 Epi Week 22 Line Service Se	Epi Week 22 In I	Epi Week 22 Epi Week 23* April	Epi Week 22 Epi Week 22 Epi Week 23*	Epi Week 22 Epi Week 23* April

Cluster Tracking

Clusters by District and Chiefdom



Kambia

Ka-Dalu Cluster

- Cases: 2
 - Case 1, traditional healer apprentice, reported community death, confirmed EVD+ on May 31
 - Case 2, traditional healer, confirmed EVD+ on June 2
- Contacts: 53
- Date quarantine ends: June 22
- Epi-link: under investigation

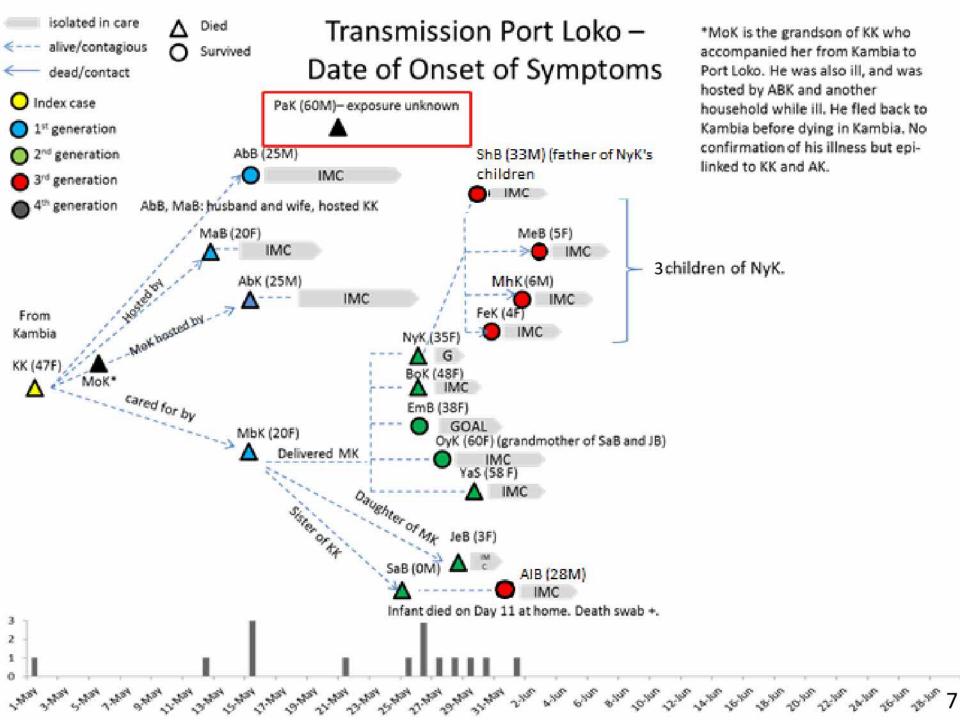
Unlinked Case

- 28 yo female, confirmed EVD+ on June 6
- Epi-link under investigation; not from quarantine home or contact list

EVD Diagnosis at Death Epi Week #22

Kambia – 1 corpse, unknown source, epi-link under investigation

29 yo male died on May 29; positive death swab on May 31.
 Not on contact list, not from quarantine home



Port Loko

Kaffu Bullom Cluster

Cases: 16

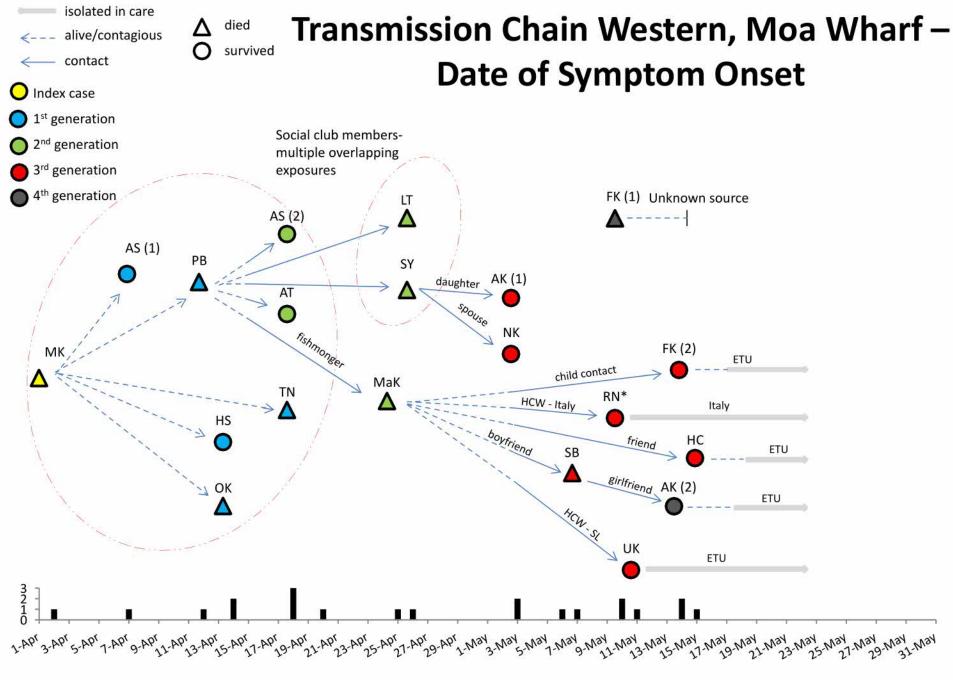
Contacts: 166

Date quarantine ends: June 25

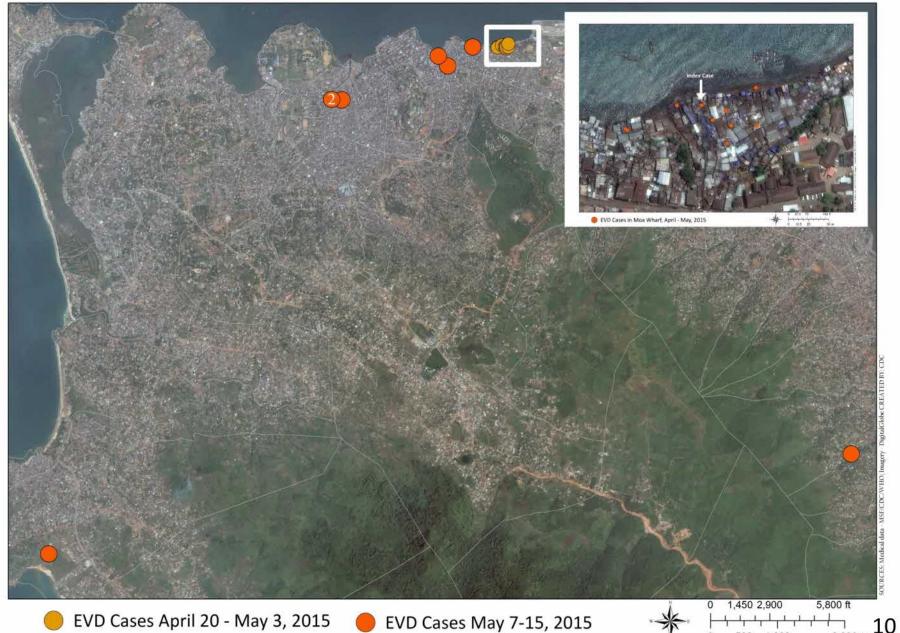
Epi-link: Imported case from Kambia

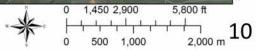
Unlinked Case

- 60yo male herbalist; died in community on May 29
- Epi-link under investigation; not from a quarantine home or contact list



EVD cases connected to Moa Wharf Cluster, Western Area





Western

Moa Wharf

Cases: 20

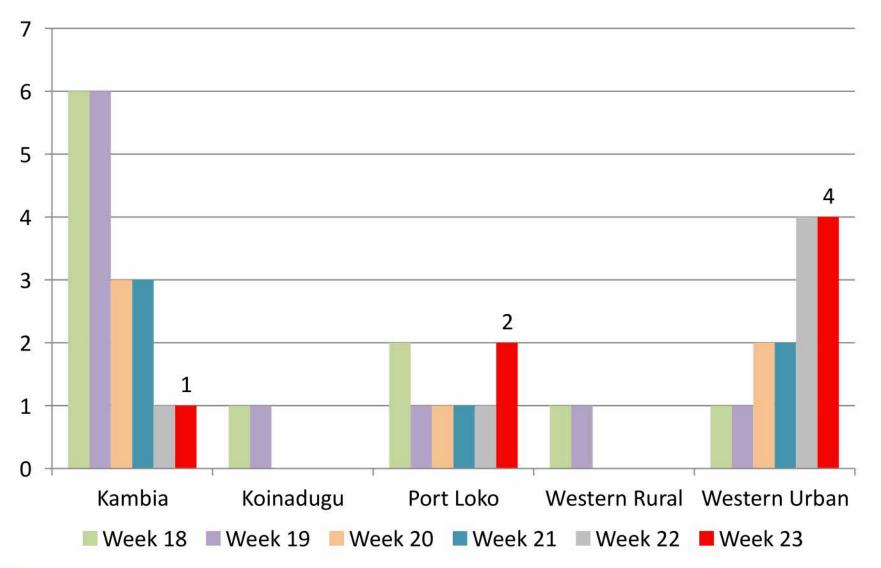
Contacts: 195

- Date quarantine ends: June 10
- Epi-link: In community with frequent cases and clusters; no definitive epi-link to index case

Unlinked Cases

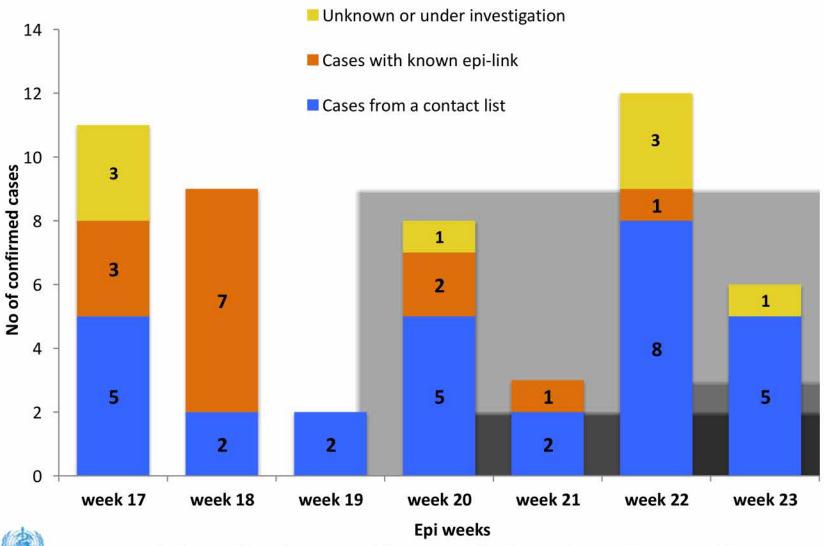
- Stillbirth, confirmed EVD+ on May 26
- 73 yo male, confirmed EVD+ on May 29
- Sources under investigation

Active Transmission Chains as of June 4, 2015





Trend of EVD Positive Cases and Their Sources of Transmission





Information is current for recent epi weeks and may not be retrospectively updated

ZMAPP TRIAL UPDATE

Zmapp Trial

- Medication arrived April 2nd in Sierra Leone
- Trial began April 3rd
- Enrolled 27 people in Sierra Leone
 - -21 adults
 - -6 children

VACCINE STUDY UPDATE



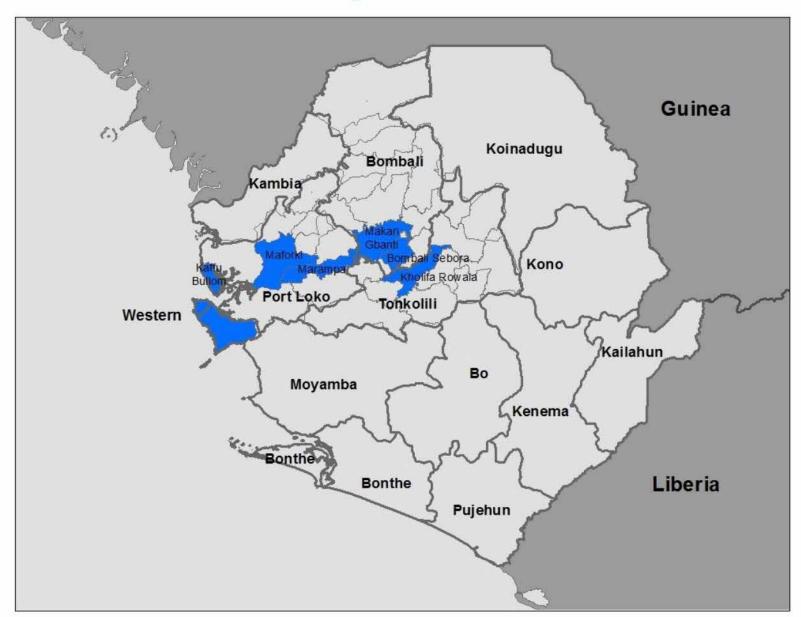
- Sierra Leone College of Medicine and Allied Health Sciences (COMAHS)
- Sierra Leone Ministry of Health and Sanitation (MoHS)
- U.S. Centers for Disease
 Control and Prevention (CDC)



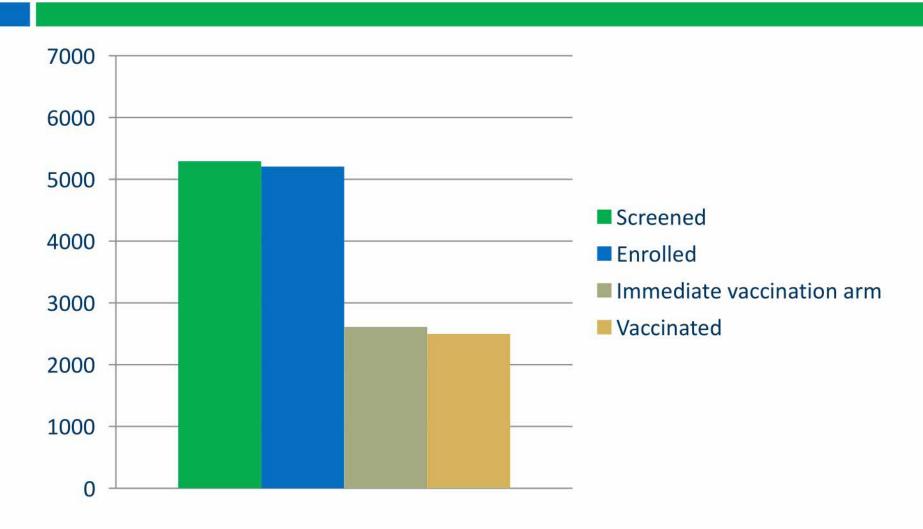




6 STRIVE Study Sites in 5 Districts



Cumulative Enrollment and Vaccination in Western, Port Loko, Bombali & Tonkolili districts (6 sites), April 9 – May 31, 2015



Vaccine Safety

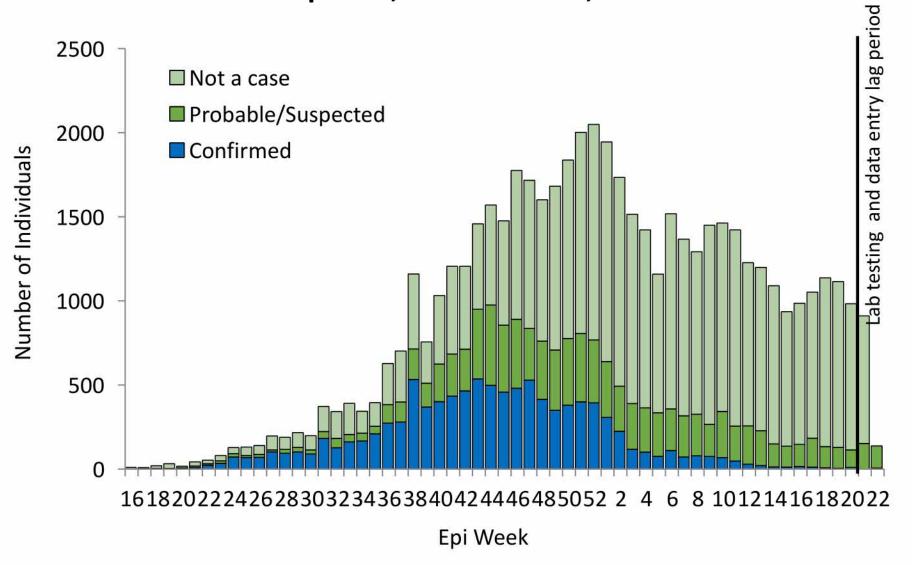
□ Regular meetings of Data Safety Monitoring Board

Safety data so far is consistent with previous trials
 no vaccine related serious adverse events

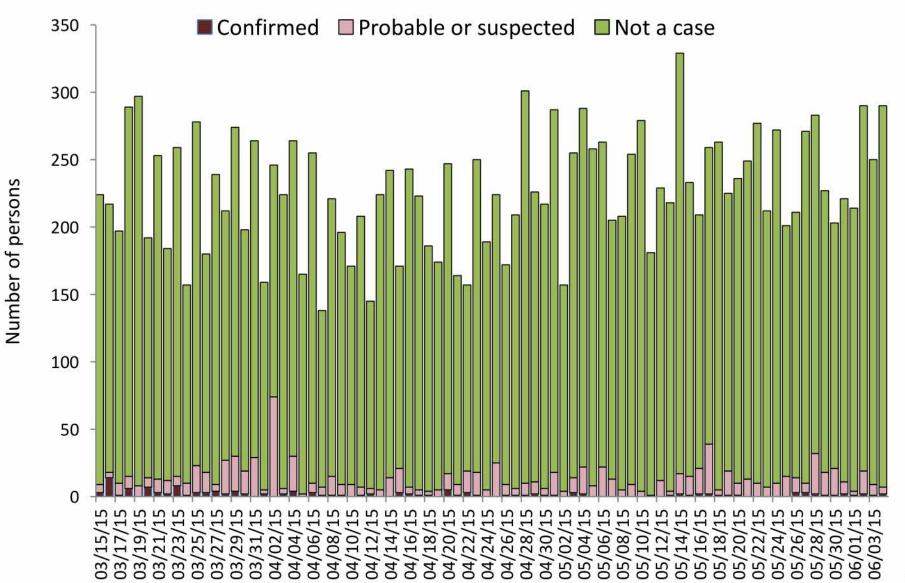
- Eight participants evaluated for possible Ebola virus infection
 - □ All negative for Ebola; most positive for malaria (by rapid test)

NATIONAL DATA

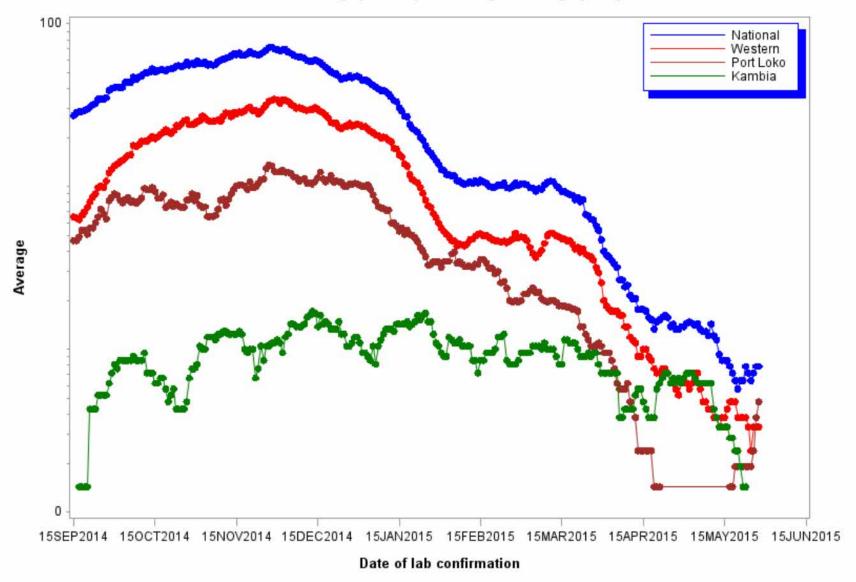
VHF - Reports by Case Definition and Epi-week of Onset – National April 13, 2014 – June 1, 2015



MoHS - Reported Lab Results (by Date of the Lab Results Report) National, March 15 – June 4, 2015

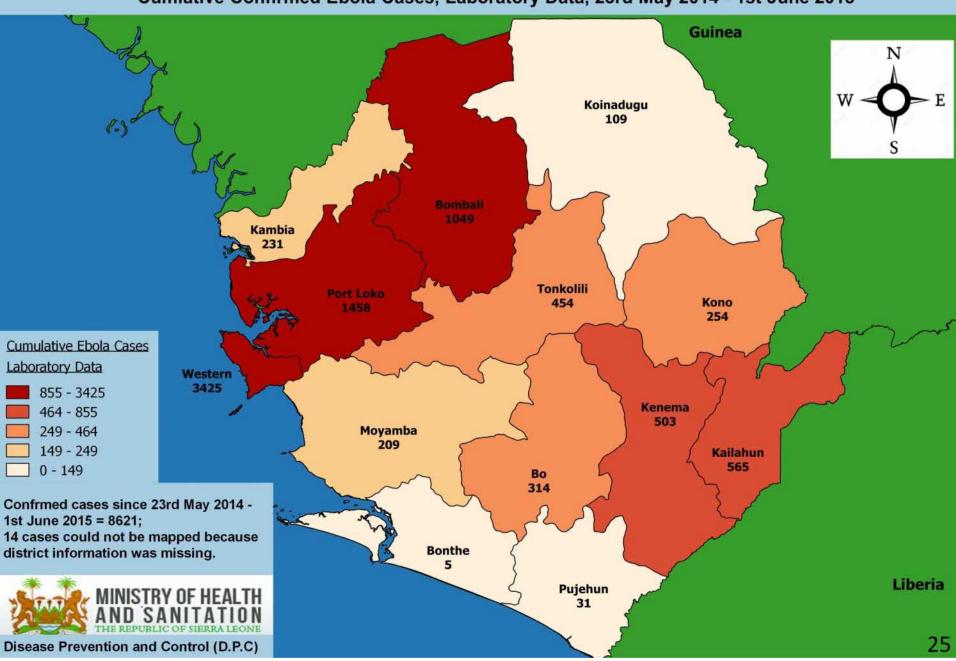


MoHS-Lab Confirmed Cases Per Day (21-day Moving Average) Sept 15, 2014 - June 4, 2015



Y axis is on the log scale

Cumlative Confirmed Ebola Cases, Laboratory Data, 23rd May 2014 - 1st June 2015

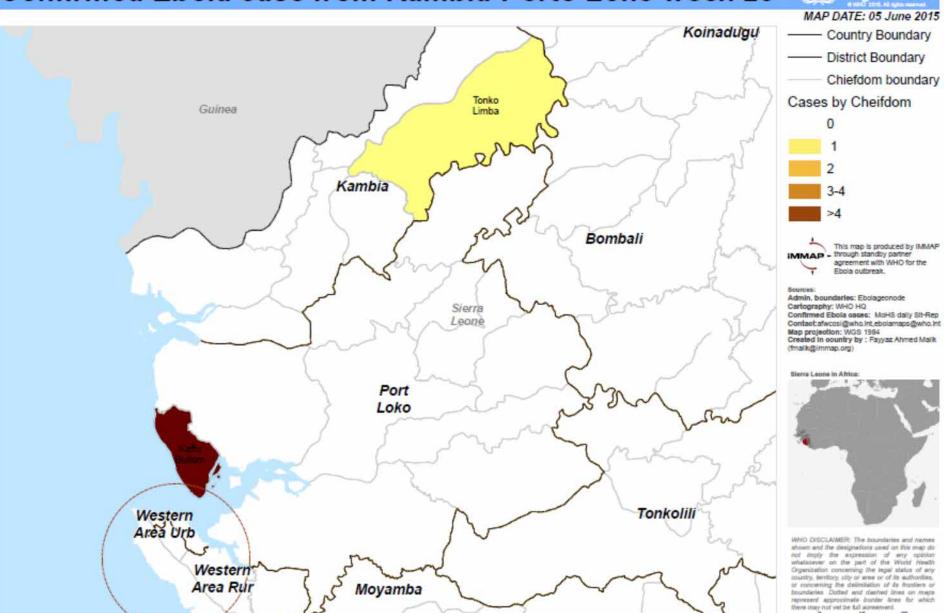


Confirmed Ebola Cases, 19th May to 1st June 2015



Confirmed Ebola case from Kambia-Porto Loko week 23





Number of days since last case reported by district as of 04th June 2015





Country Boundary

District Boundary

Days since last case

0-7 days

8-21 days

22-42 days

> 42 days



This map is produced by IMMAP through standby partner agreement with WHO for the Ebola outbreak.

sources: Admin, boundartes: Ebolageonode Cartography: WHO HQ Death detection rates: Reported deaths /

expected number of deaths Contaothaskewo@who.int Map projection: WGS 1984 Created In country by : Fayyaz Ahmed Maik

(finallk@(mmap.org) Expected number of deaths calculated using

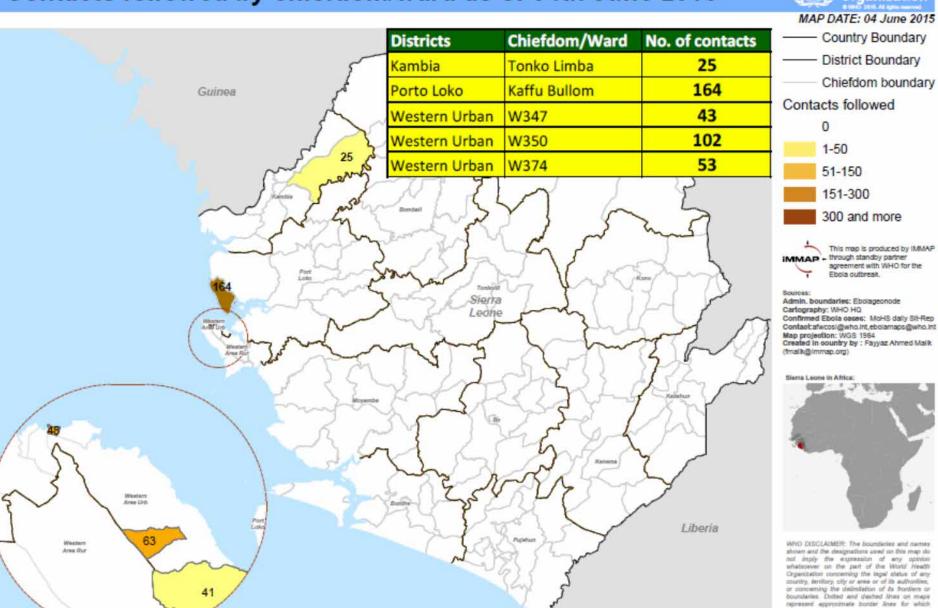
Expected number of deaths calculated using crude mortality rate of 17.3/1000/year (Source: WHO Global Health Observatory, 2012) based on district population data (Source: Sierra Leone National Census 2004).



WHYO DISCLAIMER: The boundaries and names shown wild the designations used on this map do not imply the expression of any opinion whatnesser on the part of the World Health Organization concerning the legal status of any oxistly, larrilogy, city or week or of the authorities, or concerning the delimitation of the facilities on maps represent approximate brorder lines on maps represent approximate brorder lines on which there may not will be fall sensemented.

Contacts followed by chiefdom/ward as of 04th June 2015



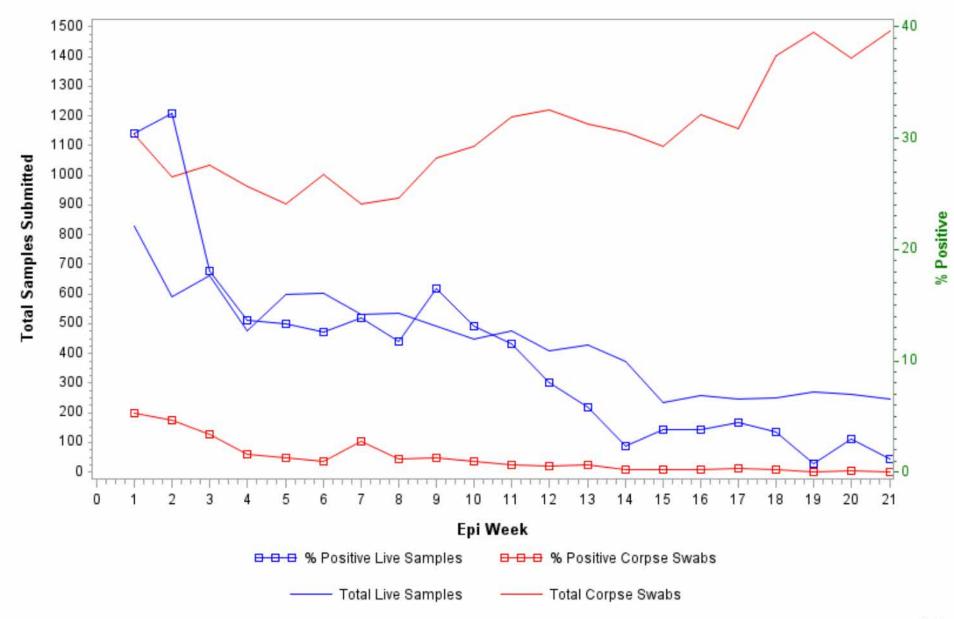


29

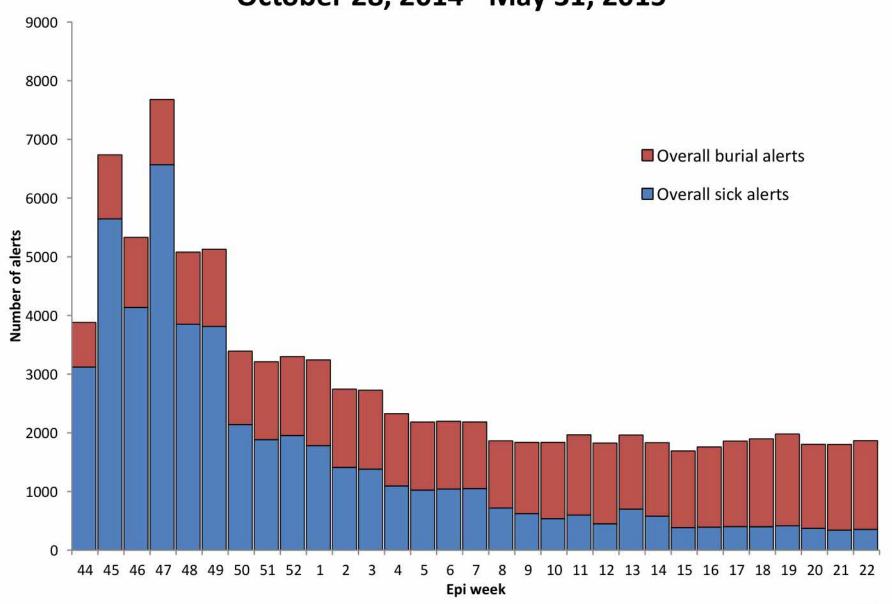
there may not yet be full epresment.

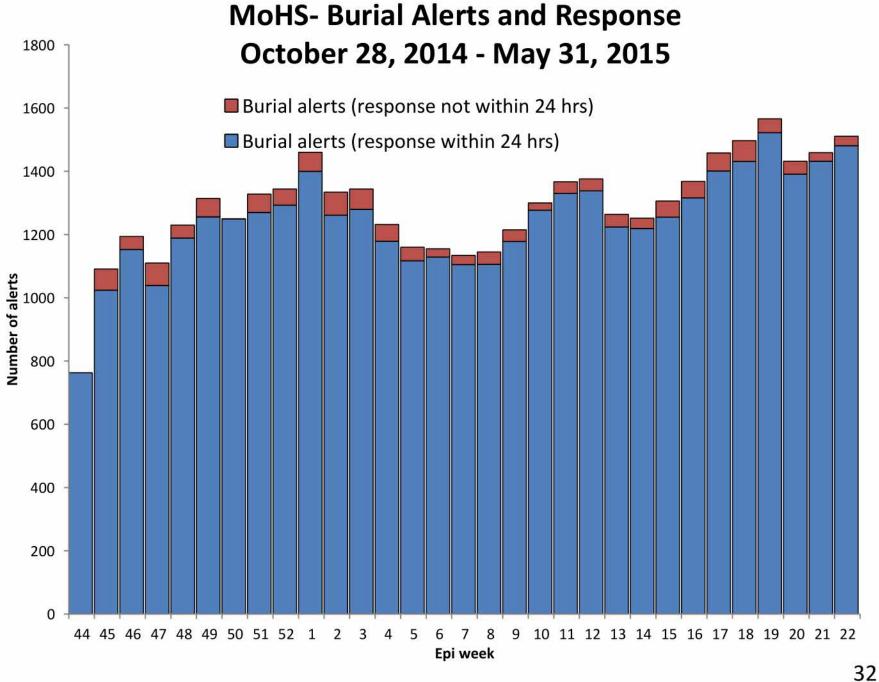
Comparison of Positive Results to Total Samples

Live Cases and Death Swabs

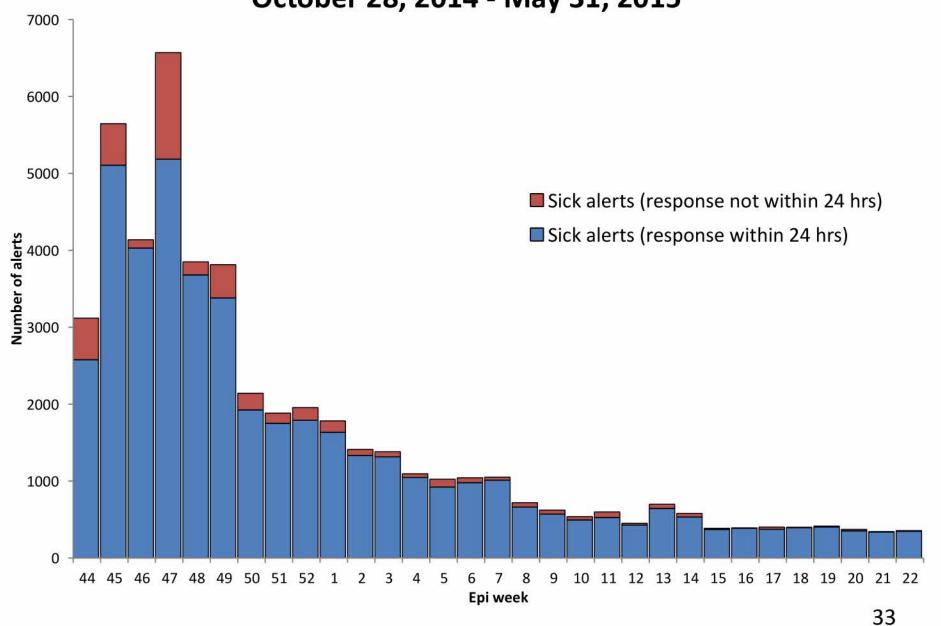


MoHS- Alerts Reported by Type October 28, 2014 - May 31, 2015

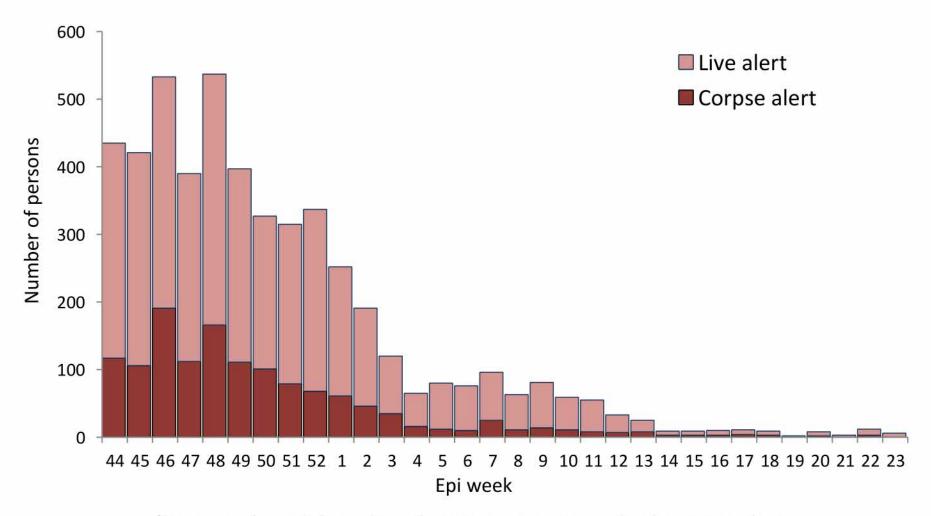




MoHS- Sick Alerts Reported and Response October 28, 2014 - May 31, 2015



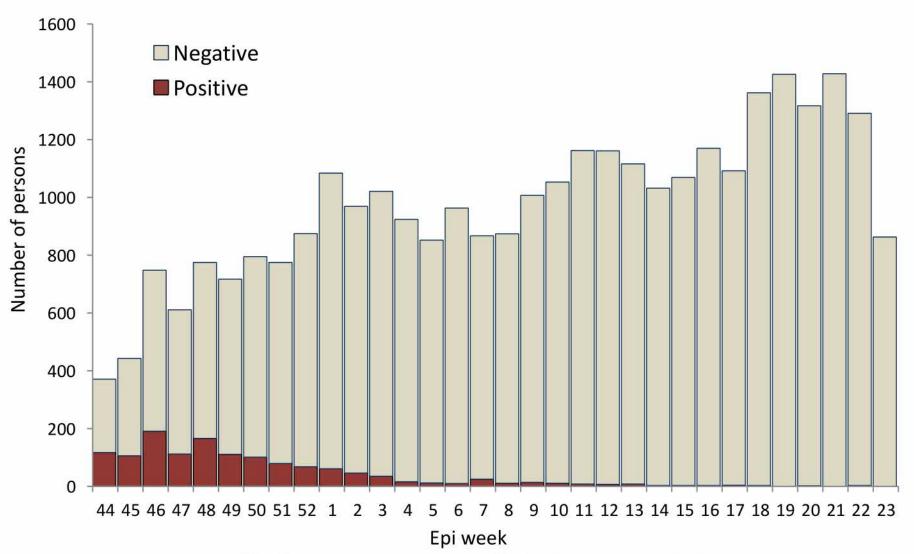
MoHS - Reported Confirmed Cases* by Type of Alert, Sierra Leone, October 27, 2014 – June 7**, 2015



^{*}Cases confirmed through swab testing were assumed to be corpse alerts.

**Epi week 23 incomplete; current through June 4, 2015

MoHS - Reported Corpses* by EVD Result, Sierra Leone, October 27, 2014 – June 7**, 2015



^{*}Swab samples were assumed to be from corpse alerts.

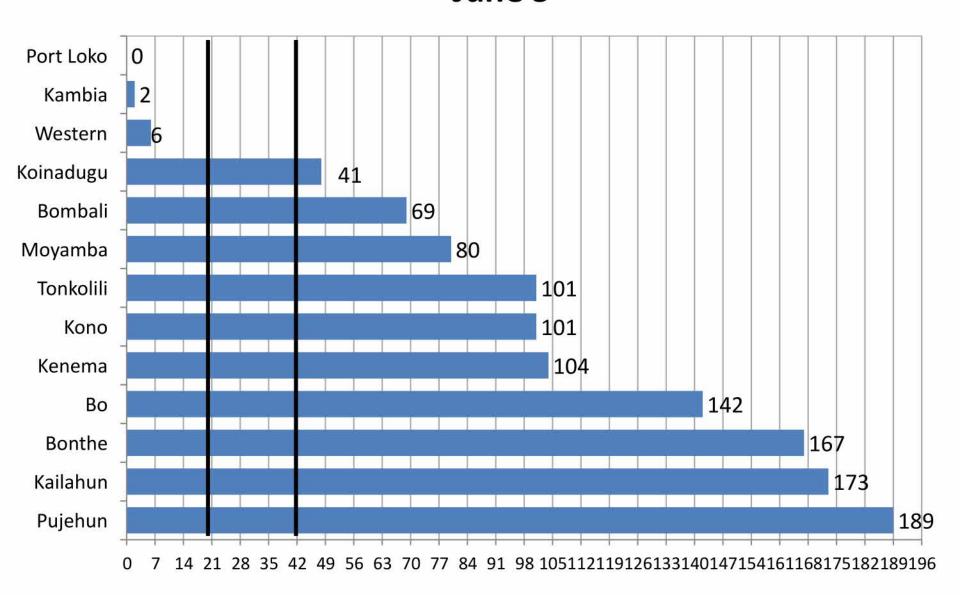
^{**}Epi week 23 incomplete, current through June 4, 2015

EVD Cases Confirmed from Swabs Data (Epi week 21: May 18 – May 24, 2015 and Epi week 22: May 25 – May 31, 2015)

National/District	Epi week 21		Epi week 22	
	EVD confirmed corpses	Total corpses swabbed	EVD confirmed corpses	Total corpses swabbed
National	0	1486	3	1288
Во	0	172	0	167
Bombali	0	102	0	80
Bonthe	0	49	0	44
Kailahun	0	24	0	28
Kambia	0	61	1	71
Kenema	0	110	0	92
Koinadugu	0	74	0	45
Kono	0	80	0	73
Moyamba	0	115	0	127
Port Loko	0	167	1	151
Pujehun	0	79	0	18
Tonkolili	0	117	0	101
Western	0	322	1	296

Data Source: MoHS Daily Sit Rep, May 19 – June 5, 2015

Days Since Last Confirmed Case by District, June 5



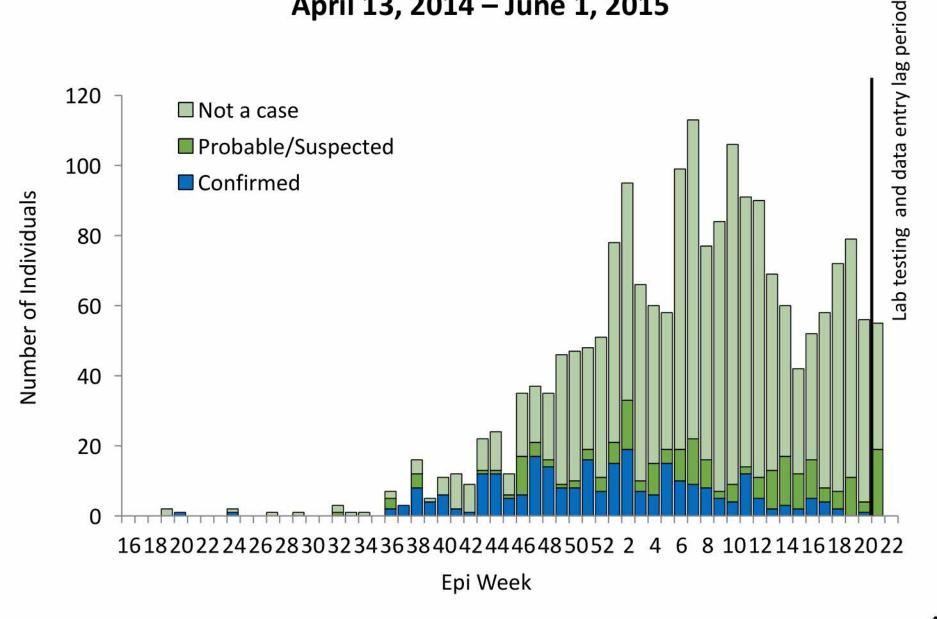
DISTRICT DATA

Note:

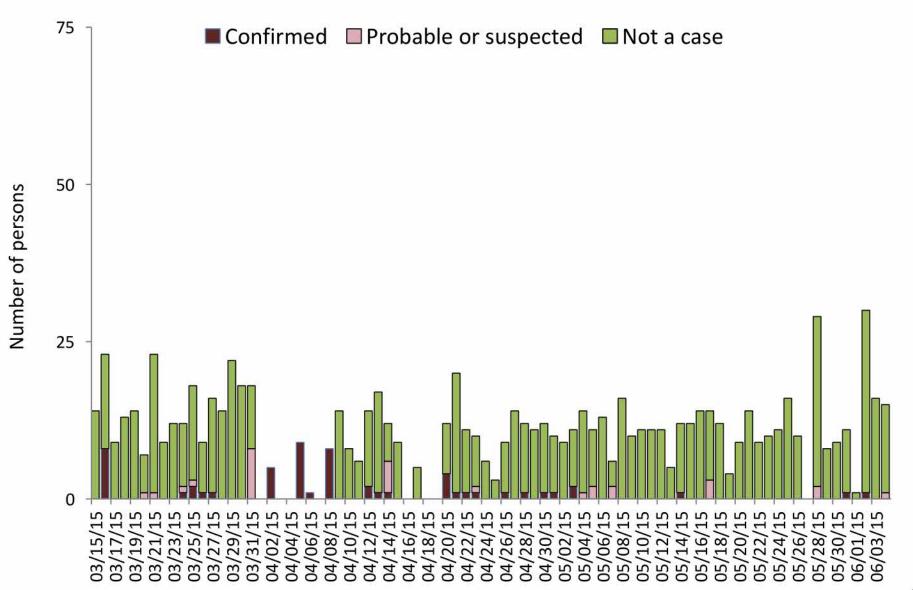
Only includes district data where days since last confirmed case is \leq 42 days

Kambia District

VHF - Reports by Case Definition and Epi-week of Onset – Kambia April 13, 2014 – June 1, 2015

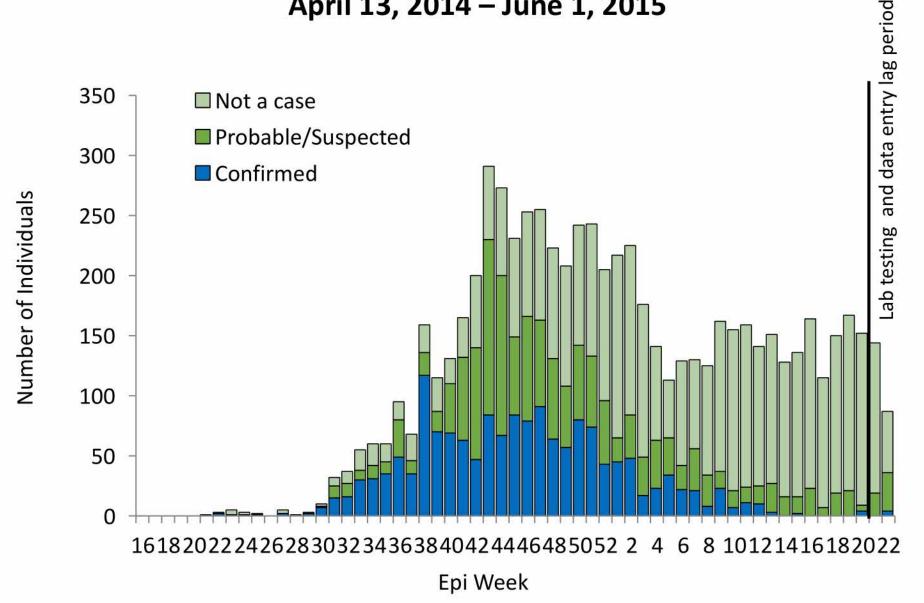


MoHS - Reported Lab Results by Case Definition and Lab Report Date Kambia, March 15 – June 4, 2015

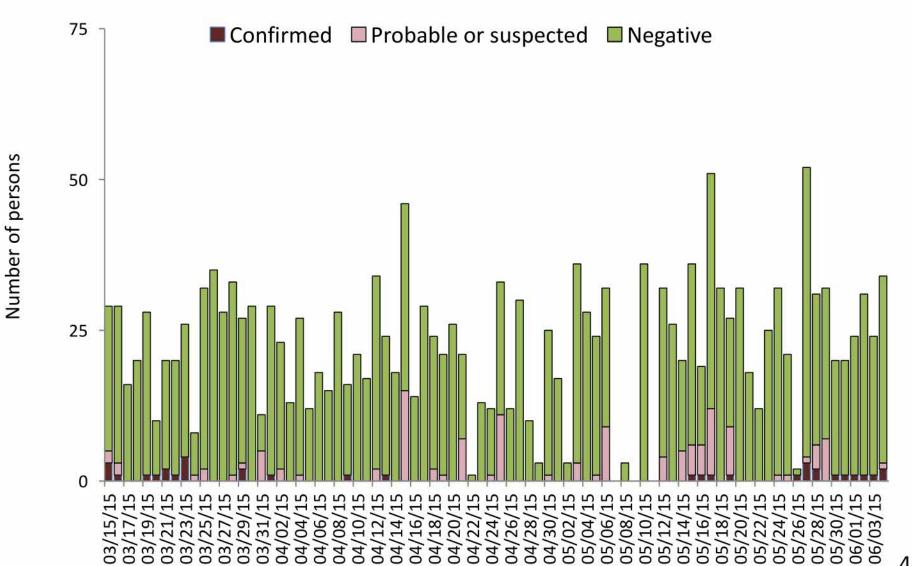


Port Loko District

VHF - Reports by Case Definition and Epi-week of Onset – Port Loko April 13, 2014 – June 1, 2015

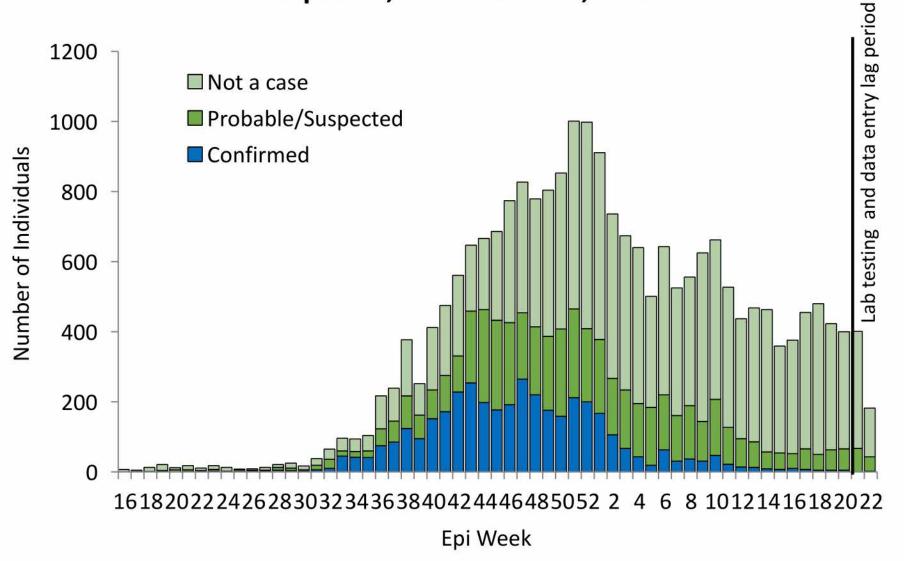


MoHS - Reported Lab Results by Case Definition and Lab Report Date Port Loko, March 15 – June 4, 2015

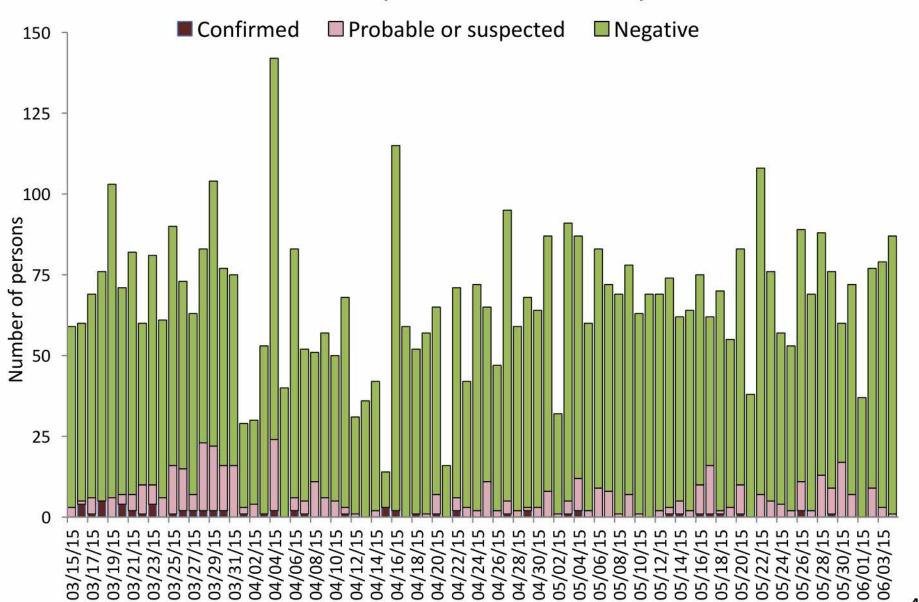


Western District

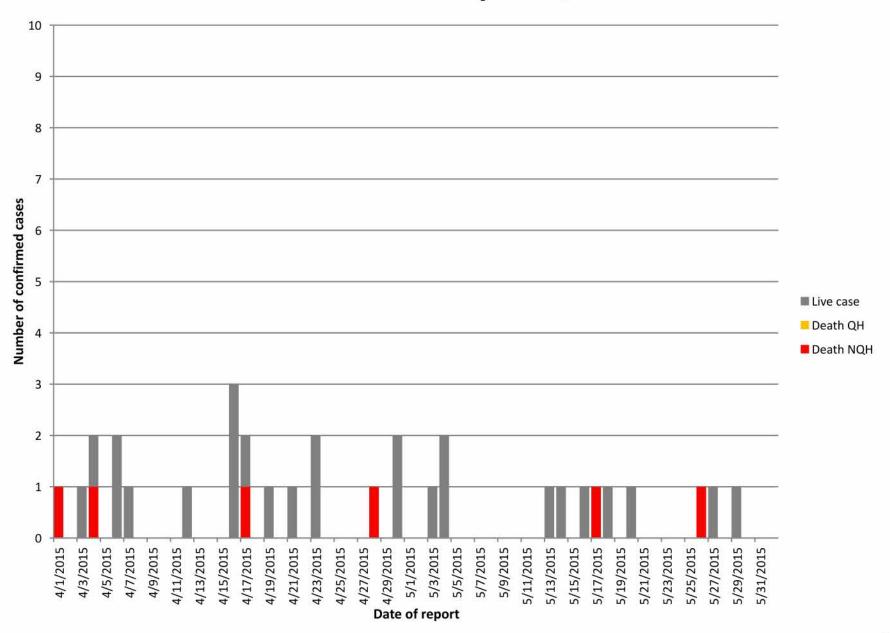
VHF - Reports by Case Definition and Epi-week of Onset — Western April 13, 2014 — June 1, 2015



MoHS - Reported Lab Results by Case Definition and Lab Report Date Western Area, March 15 – June 4, 2015



Number of Confirmed Cases by Date, Western Area



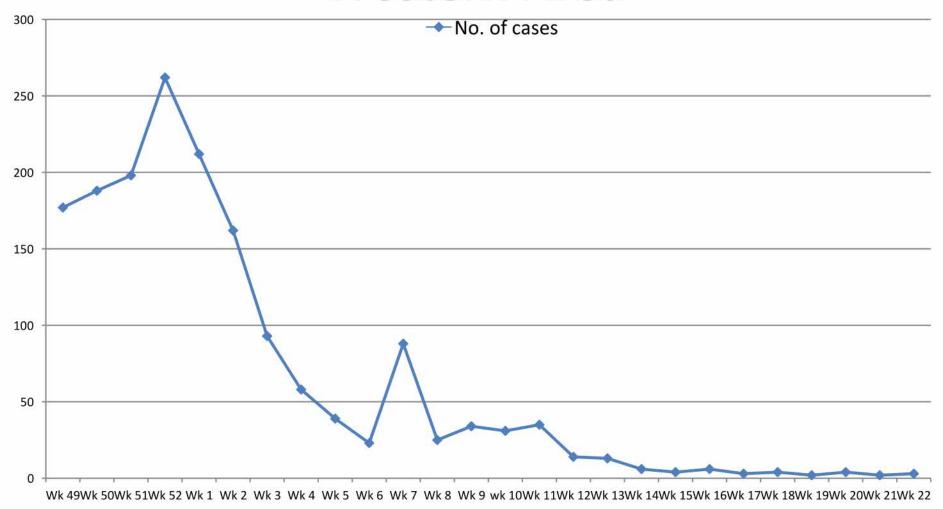




Ebola Virus Disease Epi-situation in Western Area

Week 22 (25th - 31st May 2015)

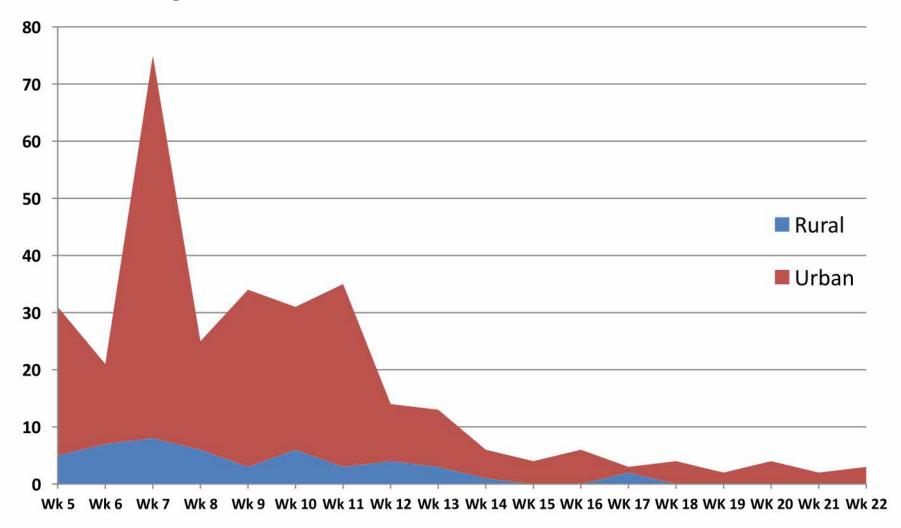
Week-wise Number of Confirmed Cases: Western Area



Source: Western operation line list as on 1st June 2015

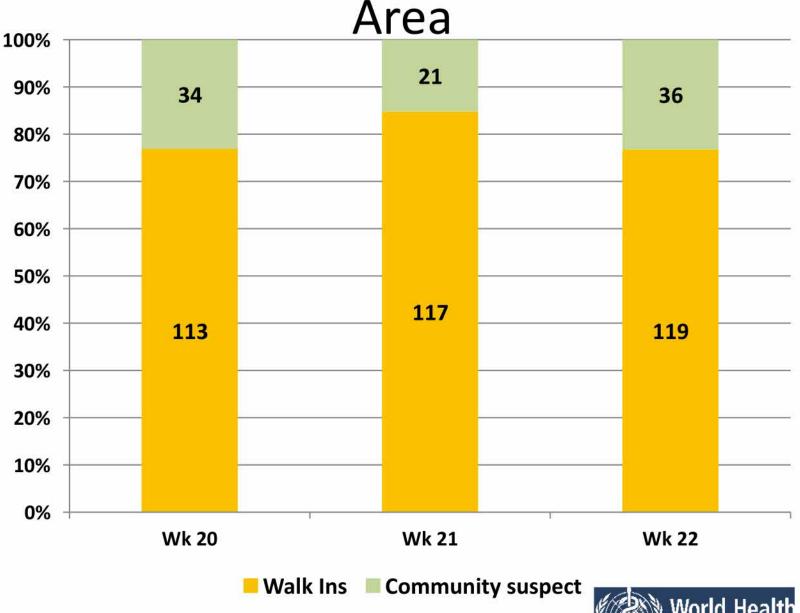


Week-wise Number of Confirmed Cases by Western Urban and Rural Areas

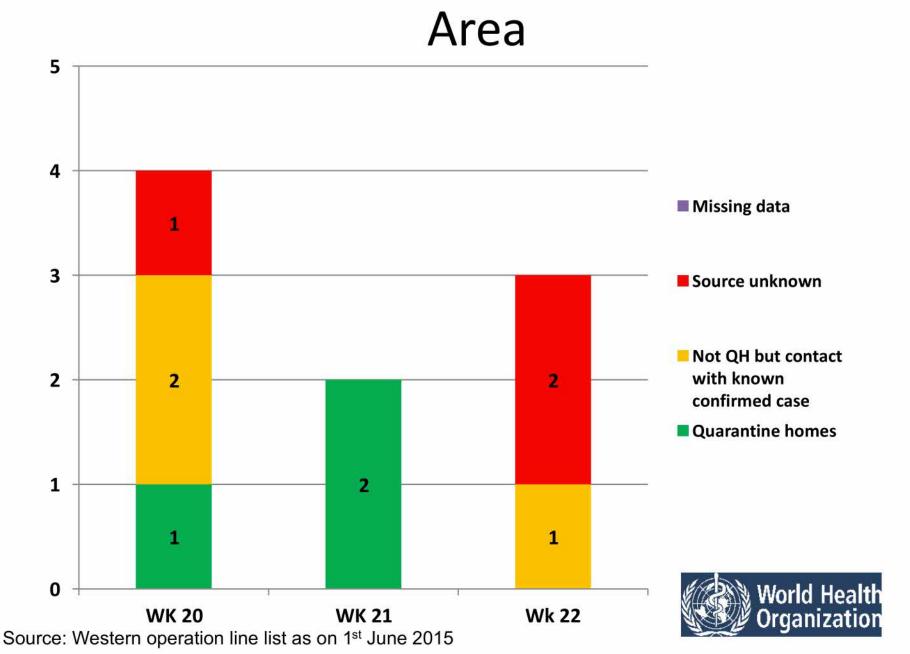




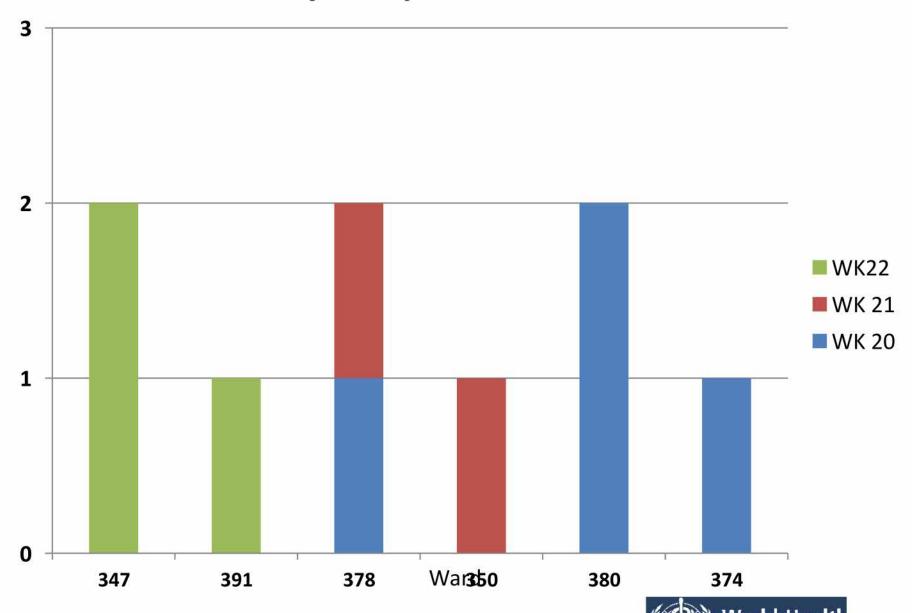
Source of Suspected Cases: Western



Source of Confirmed EVD Cases: Western



Weekly Hotspot of Western Area



World Health
Organization

THANK YOU

From: Marston, Barbara J. (CDC/CGH/DGHP)
Sent: Sat, 9 May 2015 10:36:33 -0400

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills, Kimberly C. (CDC/OD/OCS); Braden, Chris (CDC/OID/NCEZID); CDC IMS OD LNO; CDC IMS Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Bumpus, Stefanie (CDC/OD/OCS); Brown, Clive (CDC/OID/NCEZID); Frieden, Thomas (Tom) (CDC/OD); Demby, Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID); Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth (CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon, Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle, Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle (CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID); Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR); Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W. (CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca (CDC/ONDIEH/NCCDPHP); Hersey, Sara (CDC/CGH/DGHA); Glover, Maleeka (CDC/OID/OD); Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B. (CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan, Daniel B. (CDC/OID/NCIRD); English, Lorna M. (CDC/ONDIEH/NCCDPHP); CDC IMS DGMQ Task Force Leader/Deputy; Irwin, Kathleen L. (CDC/OID/NCHHSTP); Kretsinger, Katrina (CDC/CGH/GID); Linkins, Robert (CDC/CGH/GID)

Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO); Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD); McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A. (CDC/CGH/GID); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E. (CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta, Neil (CDC/OID/NCEZID); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre (CDC/OID/NCEZID); Ransom, Ray (CDC/CGH/DGHP); CDC IMS Health Promotion; Pembleton, Elizabeth (CDC/OID/NCEZID) (CTR); Lindblade, Kimberly (Kim) (CDC/OID/NCIRD); Henderson, Alden (CDC/CGH/DGHP); Pappas, Claudia (CDC/OID/NCIRD); Waterman, Steve (CDC/OID/NCEZID); Kahn, Emily B. (CDC/OPHPR/DSLR); Moore, Melissa (CDC/OID/NCIRD); Balish, Amanda (CDC/OID/NCIRD); Weirich, Elizabeth (CDC/OPHSS/CSELS); Anderson, Mark (CDC/CGH/DGHP); Chen, Guan Ming (CDC/OPHSS/CSELS) (CTR); Nowlin, Sue (CDC/NIOSH/DSHEFS); Sniadack, David (CDC/CGH/GID); Dennis, Miatta (CDC/CGH/DGHP); Lawrence, Gena G. (CDC/CGH/DPDM); Jones, LaBrina M. (CDC/OPHPR/DEO)

Subject: RE: Ebola: Country Call Sierra Leone

Attachments: Weekly Epi Report 09 May 2015 FINAL.PPTX



----Original Appointment----

From: EOC Conf/Bridge Calendar (CDC)
Sent: Monday, November 24, 2014 9:00 AM

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Marston, Barbara J. (CDC/CGH/DGHP); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS

```
AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills,
Kimberly C. (CDC/OD/OCS); Braden, Chris (CDC/OID/NCEZID); CDC IMS OD LNO; CDC IMS
Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Bumpus, Stefanie
(CDC/OD/OCS); Brown, Clive (CDC/OID/NCEZID); Frieden, Thomas (Tom) (CDC/OD); Demby,
Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID);
Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth
(CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon,
Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle,
Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle
(CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID);
Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR);
Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W.
(CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca
(CDC/ONDIEH/NCCDPHP); Hersey, Sara (CDC/CGH/DGHA); Glover, Maleeka (CDC/OID/OD);
Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B.
(CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan,
Daniel B. (CDC/OID/NCIRD); English, Lorna M. (CDC/ONDIEH/NCCDPHP); CDC IMS DGMQ Task
Force Leader/Deputy; Irwin, Kathleen L. (CDC/OID/NCHHSTP); Kretsinger, Katrina
(CDC/CGH/GID); Linkins, Robert (CDC/CGH/GID)
Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie
Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO);
Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD);
McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A.
(CDC/CGH/GID); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E.
(CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta,
Neil (CDC/OID/NCHHSTP); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre
(CDC/OID/NCEZID); Ransom, Ray (CDC/CGH/DGHP); CDC IMS Health Promotion; Pembleton,
Elizabeth (CDC/OID/NCEZID) (CTR); Lindblade, Kimberly (Kim) (CDC/OID/NCIRD); Henderson,
Alden (CDC/CGH/DGHP); Pappas, Claudia (CDC/OID/NCIRD); Waterman, Steve
(CDC/OID/NCEZID); Kahn, Emily B. (CDC/OPHPR/DSLR); Moore, Melissa (CDC/OID/NCIRD);
Balish, Amanda (CDC/OID/NCIRD); Weirich, Elizabeth (CDC/OPHSS/CSELS); Anderson, Mark
(CDC/CGH/DGHP); Chen, Guan Ming (CDC/OPHSS/CSELS) (CTR); Nowlin, Sue
(CDC/NIOSH/DSHEFS); Sniadack, David (CDC/CGH/GID); Dennis, Miatta (CDC/CGH/DGHP);
Lawrence, Gena G. (CDC/CGH/DPDM); Jones, LaBrina M. (CDC/OPHPR/DEO)
Subject: Ebola: Country Call Sierra Leone
When: Saturday, May 09, 2015 10:25 AM-10:55 AM (UTC-05:00) Eastern Time (US & Canada).
Where: Conference Call Only
                                          (b)(6)
```

Please note that starting April 18, 2015 duration for this call is 30 minutes and the time will be as follows:

Atlanta: 10:25-10:55 AM Sierra Leone: 2:25-2:55 PM

Updated bridgeline

POC: INTL TF Barbara Marston & Lorna English

The call line information is:

Bridgeline: Passcode:		
Internation	al Number:	(b)(6)

For any changes or updates, please contact EOCReport@cdc.gov or phone (770) 488-7100

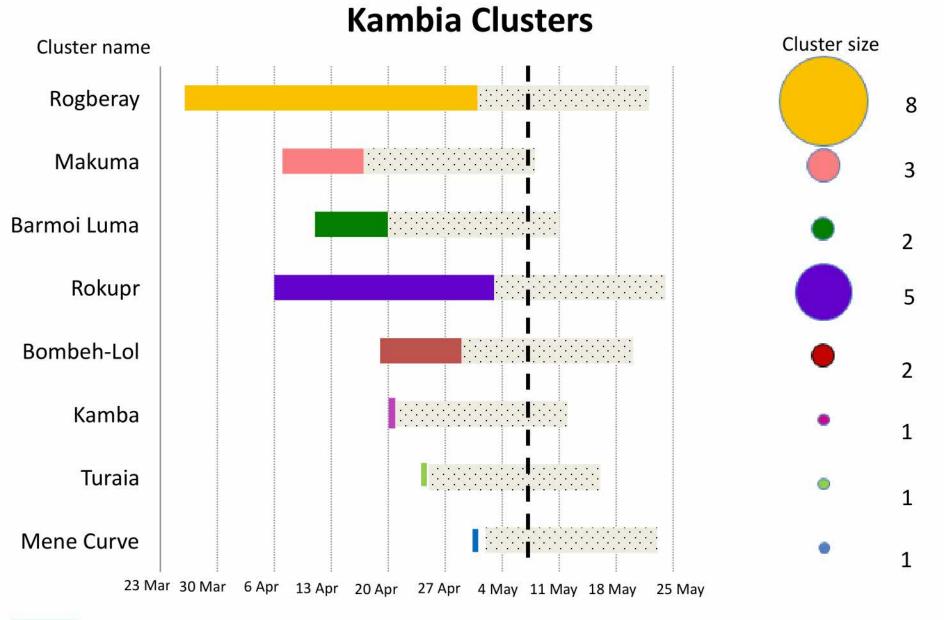
Sierra Leone Ebola Response Epidemiology Overview May 9, 2015

Summary of New Cases

			Sı	ımn	nary	Case	e Co	unt	S						
Epi Week 18				Epi Week 19*											
27-Apr 28-Apr	29-Apr	30-Apr	1-May	2-May	3-Мау	Totals		4-Мау	5-May	6-Мау	7-Мау	8-May	9-Мау	10-May	Totals
1 (1		1	1			5 (2)									0
1 (1)	2				1	4 (1)		2							2
1 (1) 1 (1	2	1	1	0	3 (1)	9 (3)		2	0	0	0	0			2

^{*}Epi week 19 is incomplete

Cluster Tracking





Quarantine period

Linked clusters are indicated by color

Last updated 9 May, 2015

Kambia Clusters

Makuma

Case: 3

Contacts: 21

Date quarantine ends: May 10

Epi-link: Linked to Guinea (Fofayah)

Barmoi Luma

Case: 2

Contacts: 7

Date quarantine ends: May 11

 Epi-link: Possible epi-link to Malal cluster in February and March, 2015

Kambia Clusters (cont.)

Bombeh-Lol

- Case: 2
- Contacts: 2
- Date quarantine ends: May 11
- Epi-link: Investigation ongoing

Kamba

- Case: 1
- Contacts: 5
- Date quarantine ends: May 12
- Epi-link: Investigation ongoing

Kambia Clusters (cont.)

<u>Turaia</u>

Case: 1

Contacts: 15

Date quarantine ends: May 16

 Epi-link: Traveled from Degambeh, Guinea where was registered as a known case

Mene Curve

Case: 1

Contacts: 39

Date quarantine ends: May 18

Epi-link: Investigation ongoing

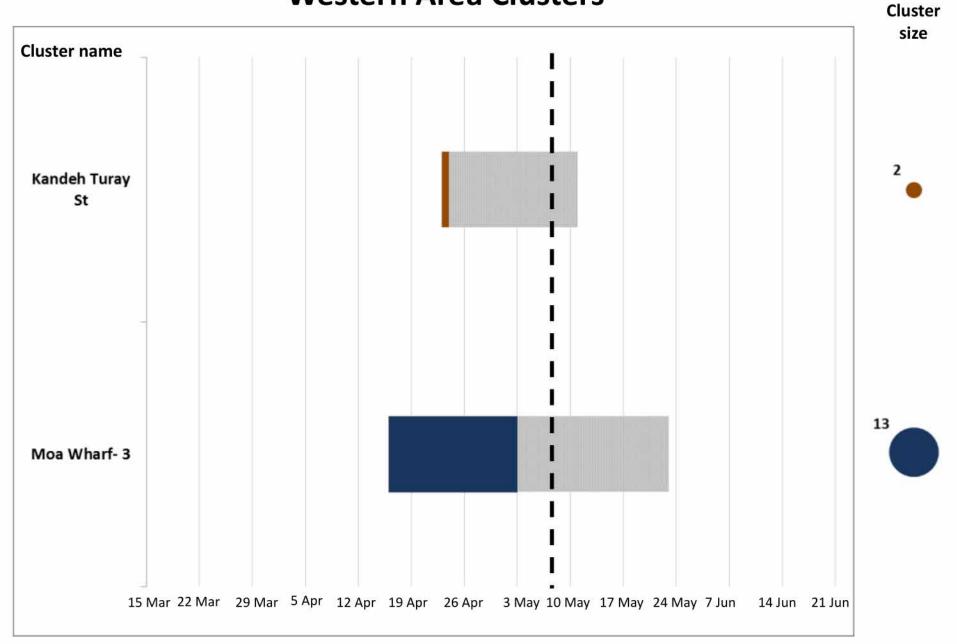
Kambia Clusters (cont.)

- Rogberay
- Case: 8
- Contacts: 49
- Date quarantine ends: May 21
- Epi-link: Linked to Rogberay case

Rokupr

- Case: 5
- Contacts: 13
- Date quarantine ends: May 24
- Epi-link: 2 households epi-linked; source unknown

Western Area Clusters



Western Clusters

Kandeh Turay St

Cases: 2

Contacts: 67

Date quarantine ends: May 11

Epi-link: Possible fomite exposure; investigation ongoing

Western Clusters (cont.)

Moa Wharf cluster

• Cases: 13

Contacts: 502

Date quarantine ends: May 23

 Epi-link: In community with frequent cases and clusters; no definitive epi-link to index case

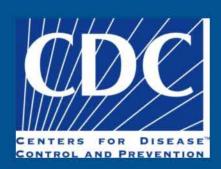
VACCINE STUDY UPDATE



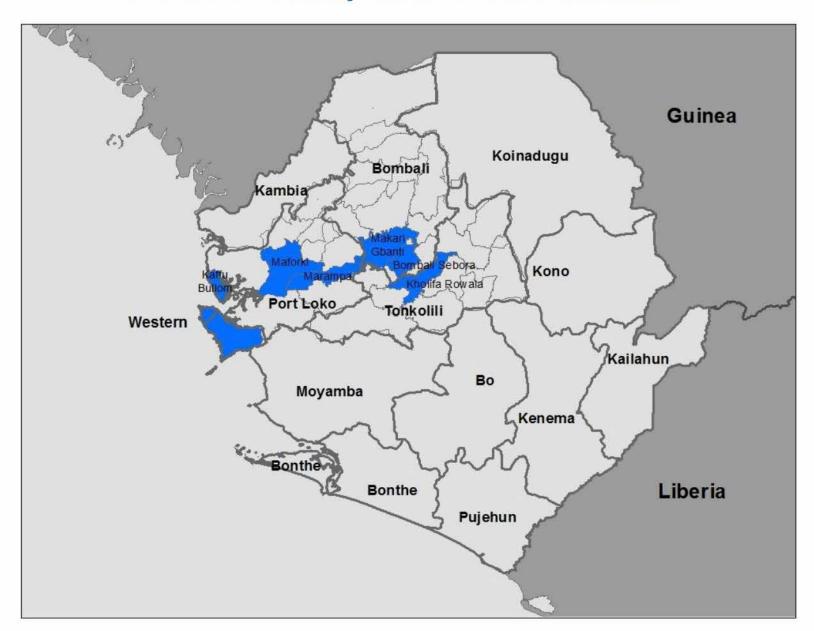
- Sierra Leone College of Medicine and Allied Health Sciences (COMAHS)
- Sierra Leone Ministry of Health and Sanitation (MoHS)
- U.S. Centers for DiseaseControl and Prevention (CDC)



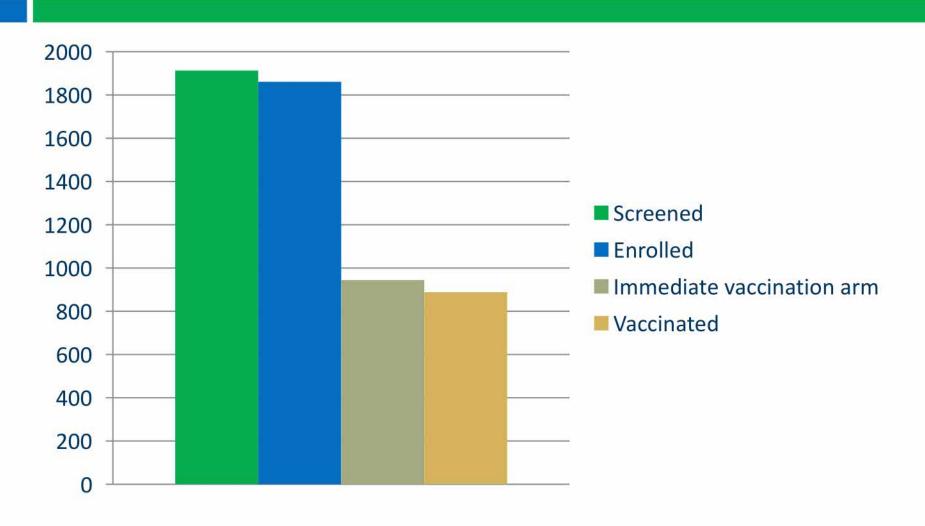




7 STRIVE Study Sites in Five Districts



Cumulative Enrollment and Vaccination, in Western, Port Loko and Bombali Districts (4 sites), April 9 – May 3, 2015



Vaccine Safety and EVD Surveillance

- Data Safety Monitoring Board meets regularly
 - No adverse events reported with immediate vaccine arm

 Safety data consistent with previous trials of rVZV-ZEBOV vaccine

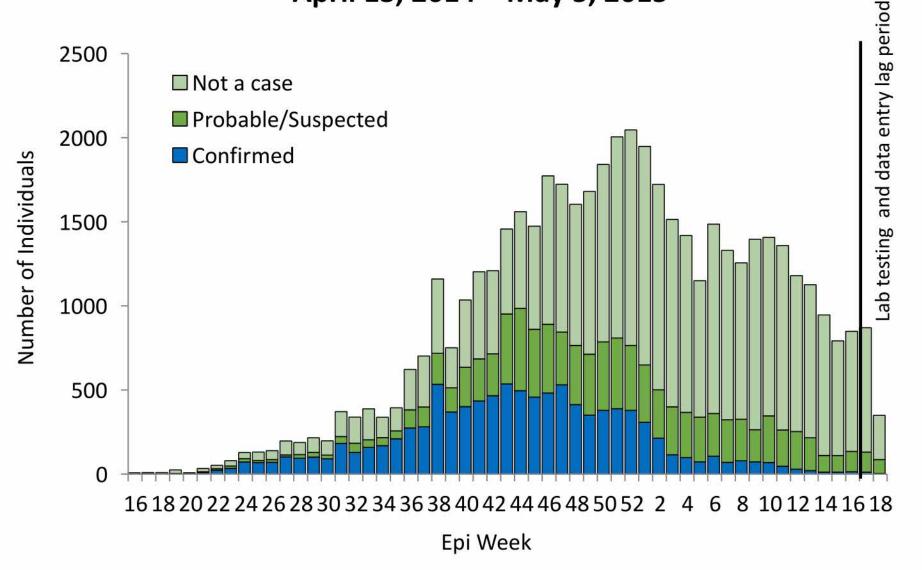
No STRIVE participants referred for EVD evaluation

Zmapp Trial

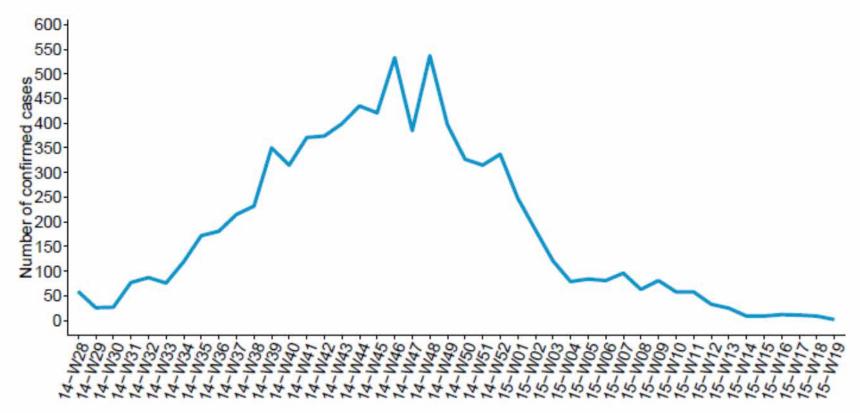
- Medication arrived April 2nd in Sierra Leone
- Trial began April 3rd
- Enrolled 14 people in Sierra Leone
 - -12 adults
 - -2 children

NATIONAL DATA

VHF - Reports by Case Definition and Epi-week of Onset – National April 13, 2014 – May 5, 2015



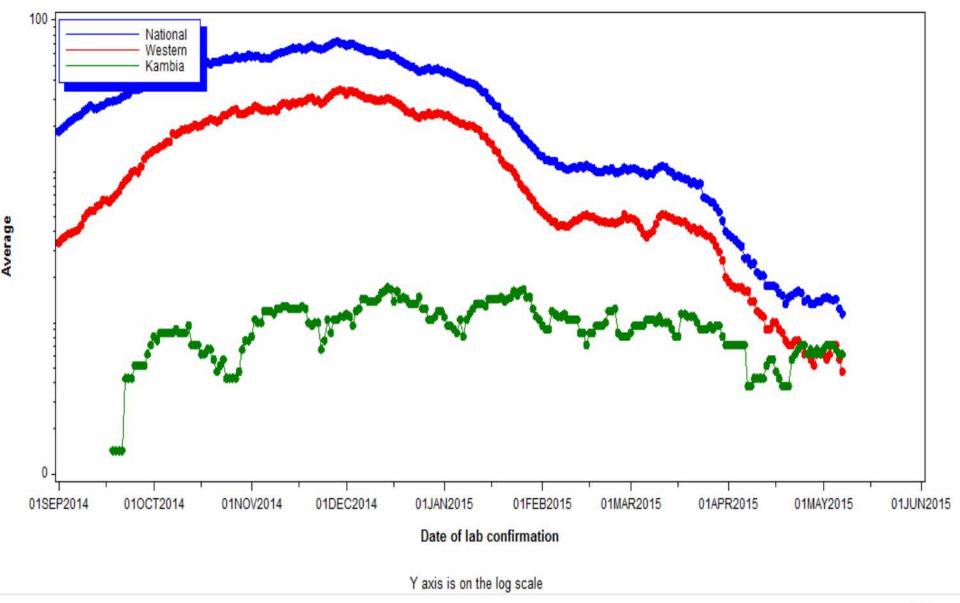
Confirmed Ebola Cases, Sierra Leone MoHS Situation Report Data, up to Week 19, 2015



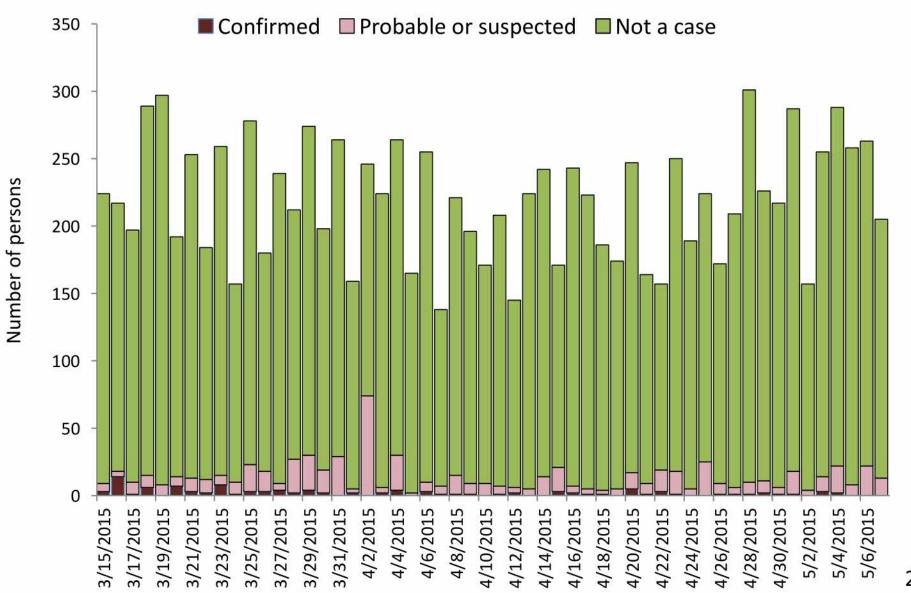
first case: 30/12/14, last case: 04/05/15



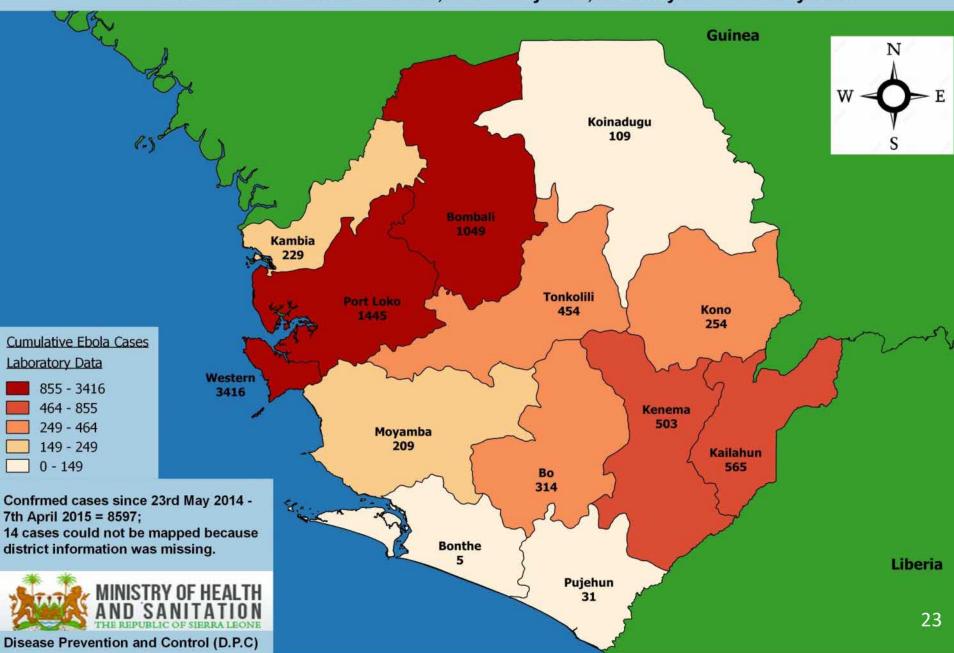
MoHS-Lab Confirmed Cases Per Day (21-day Moving Average) Sept 1, 2014 - May 8, 2015

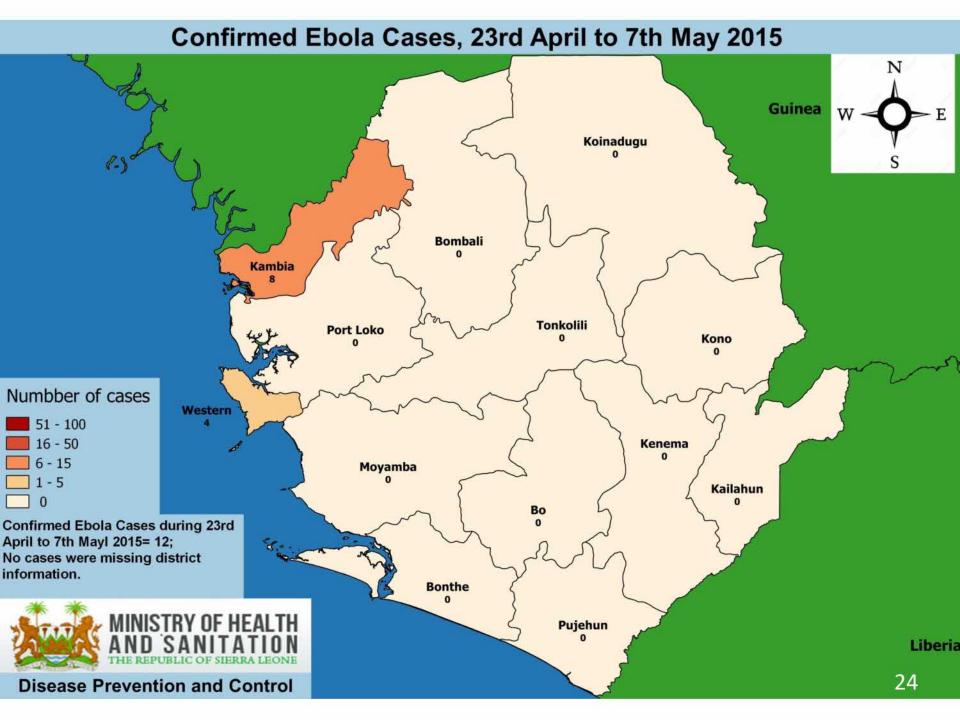


MoHS - Reported Lab Results (by Date of the Lab Results Report) National, March 15 – May 7, 2015



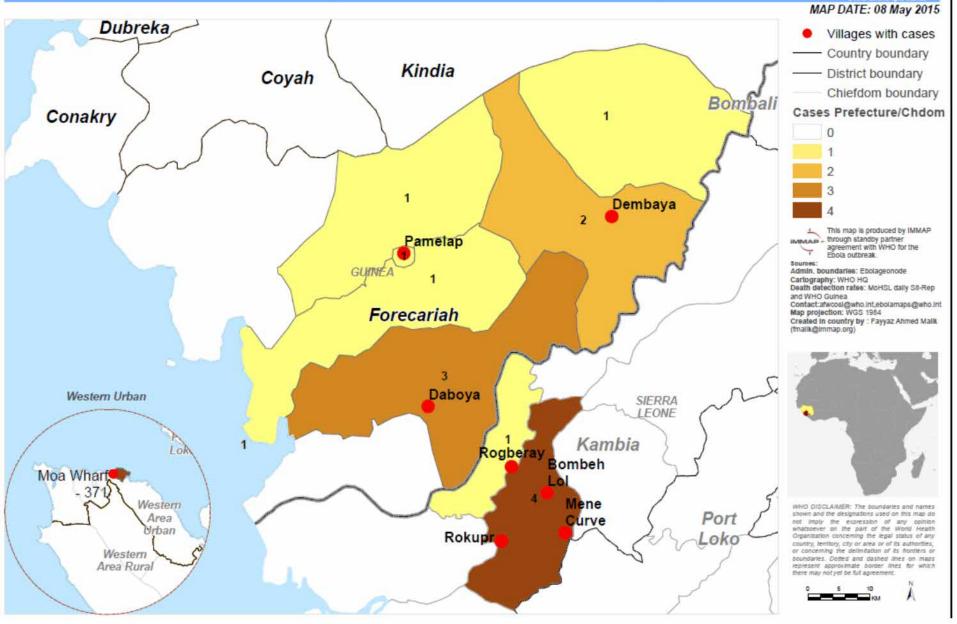
Cumlative Confirmed Ebola Cases, Laboratory Data, 23rd May 2014 - 7th May 2015





Confirmed Ebola cases (Guinea and Sierra Leone) week 18

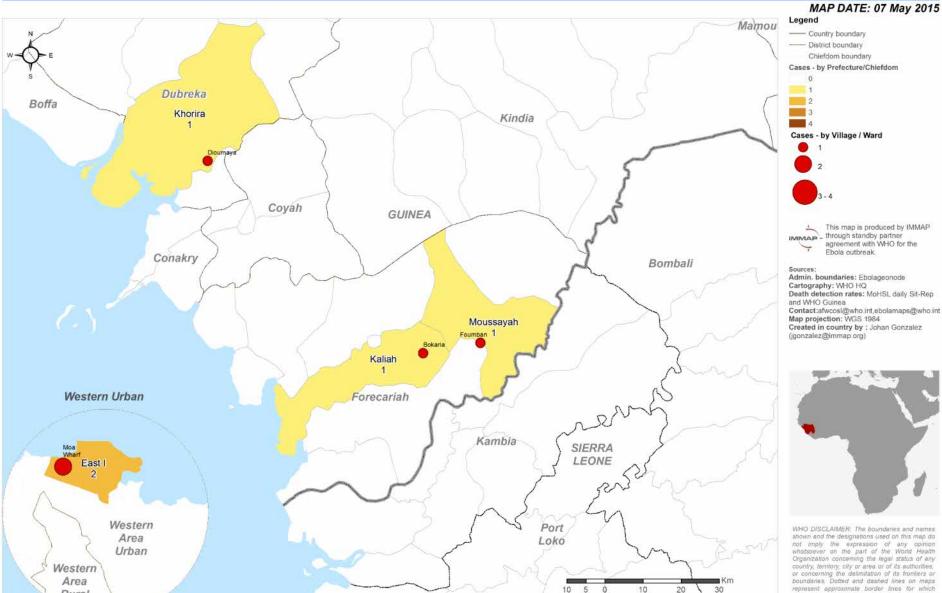




Confirmed Ebola cases (Guinea and Sierra Leone) week 19 - As of 6 May 2015

Rural

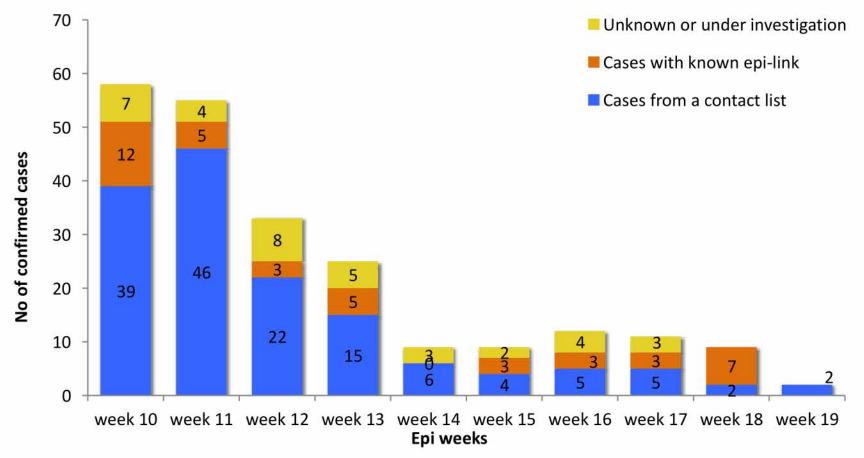




Dots represent the cases which could be mapped at the Village/Ward level.

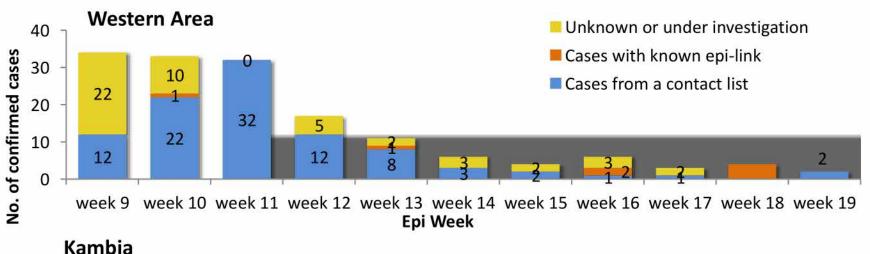
there may not yet be full agreement.

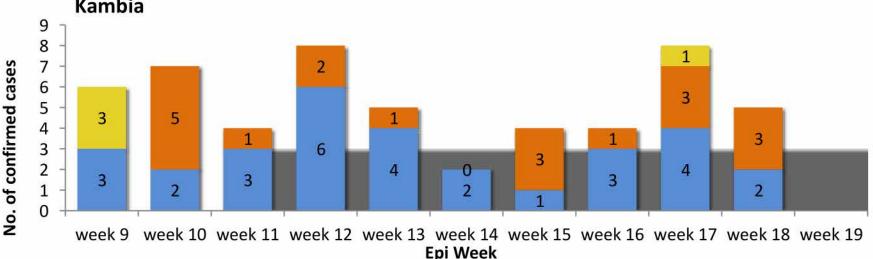
Number of New Confirmed Cases who are Registered Contacts or have Other Known Epi-link, National





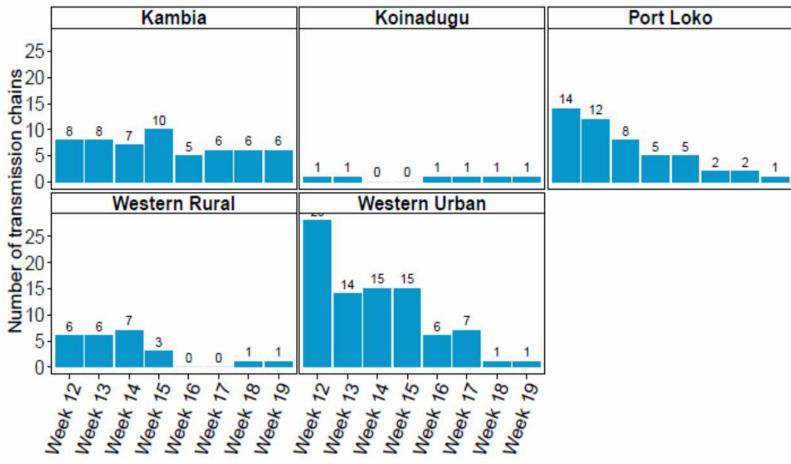
Number of New Confirmed Cases who are Registered Contacts or have Other Known Epi-link, by District







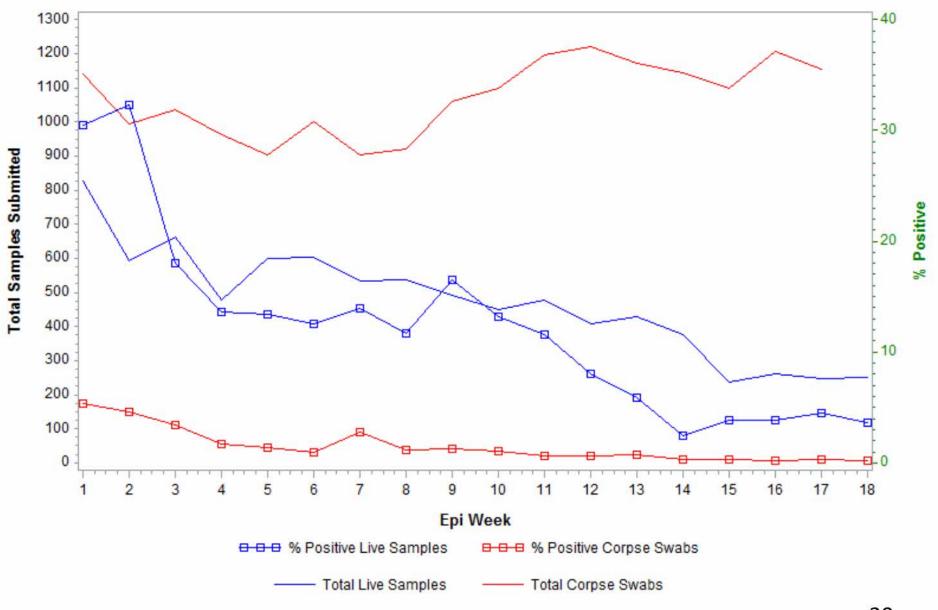
ACTIVE TRANSMISSION CHAINS



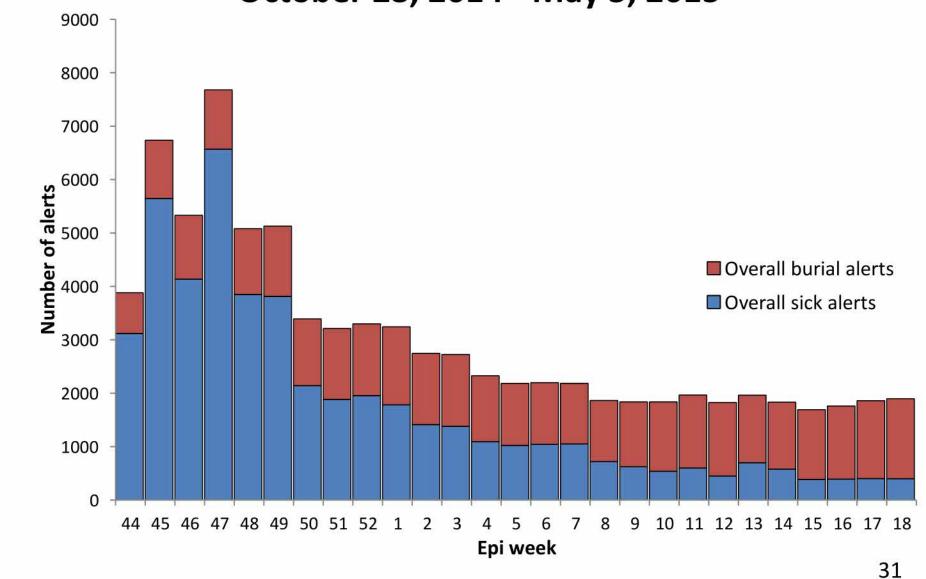


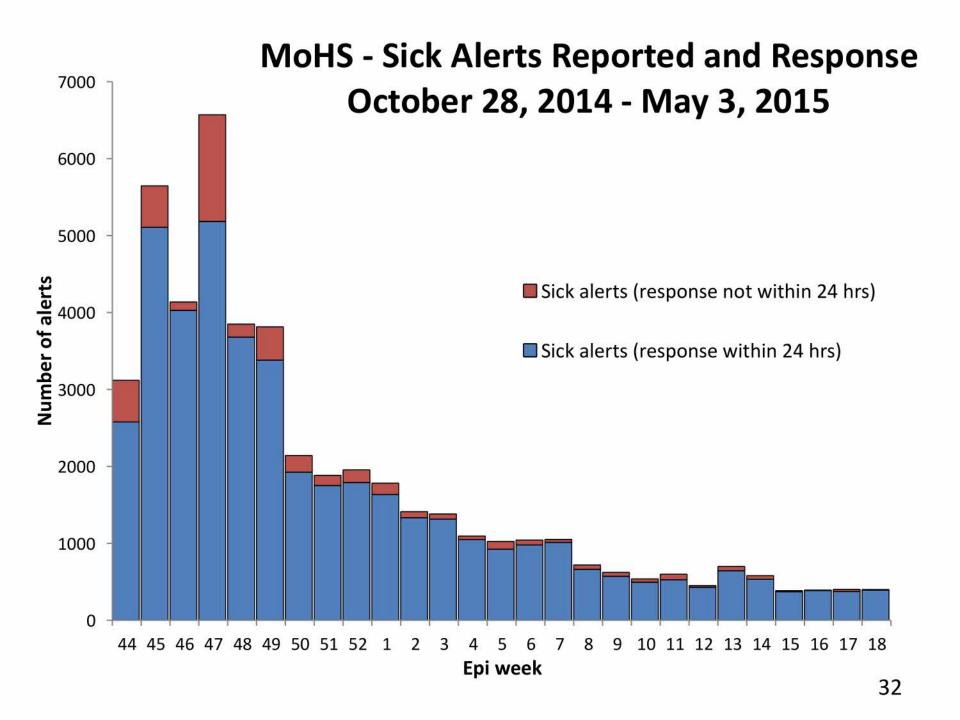
Note: Koinadugu and Port Loko chains closed due to past 21 days

Comparison of Positive Results to Total Samples Live Cases and Death Swabs

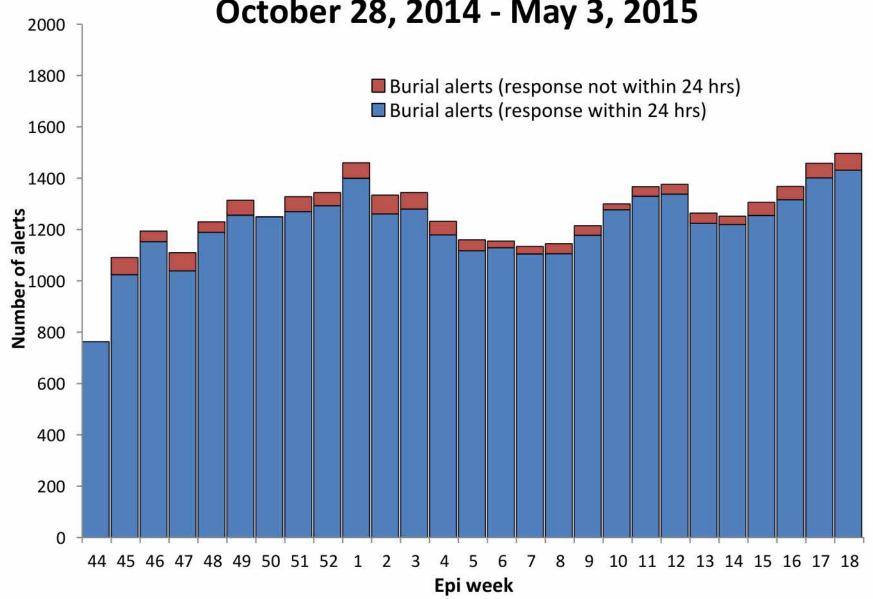


MoHS - Alerts Reported by Type October 28, 2014 - May 3, 2015

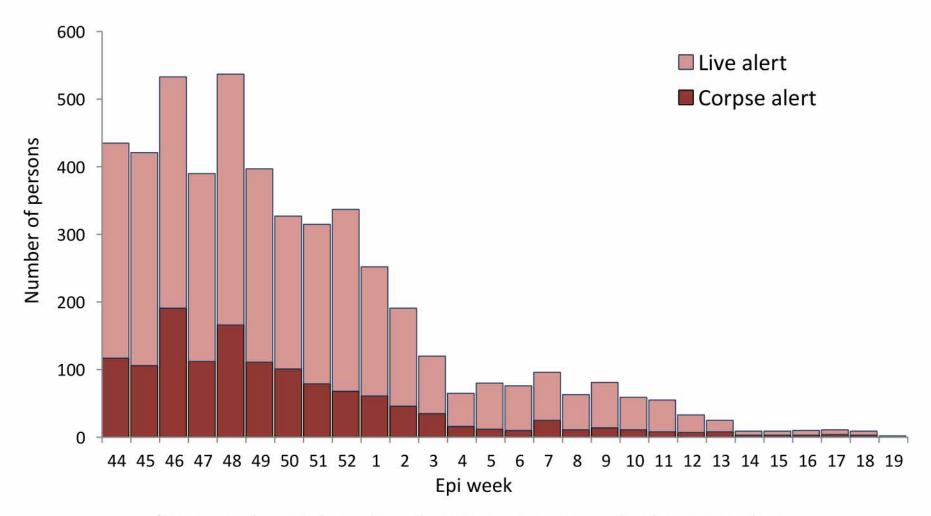




MoHS - Burial Alerts Reported and Response October 28, 2014 - May 3, 2015



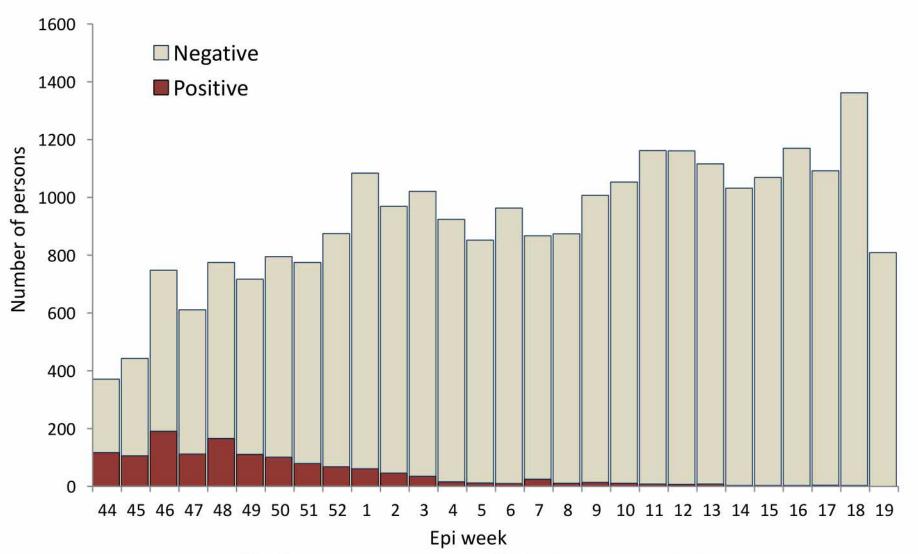
MoHS - Reported Confirmed Cases* by Type of Alert, Sierra Leone, October 27, 2014 – May 10**, 2015



^{*}Cases confirmed through swab testing were assumed to be corpse alerts.

**Epi week 19 incomplete

MoHS - Reported Corpses* by EVD Result, Sierra Leone, October 27, 2014 – May 10**, 2015



*Swab samples were assumed to be from corpse alerts.

**Epi week 19 incomplete

EVD Cases Confirmed from Swabs Data (Epi week 18: April 27 – May 3, 2015 and Epi week 19: May 4 – May 10, 2015*)

National/District	Epi week 18		Epi week 19	
	EVD confirmed corpses	Total corpses swabbed	EVD confirmed corpses	Total corpses swabbed
National	3	1042	0	854
Во	0	162	0	96
Bombali	0	159	0	33
Bonthe	0	54	0	26
Kailahun	0	34	0	12
Kambia	2	69	0	38
Kenema	0	102	0	52
Koinadugu	0	59	0	33
Kono	0	57	0	80
Moyamba	0	81	0	49
Port Loko	0	113	0	80
Pujehun	0	50	0	24
Tonkolili	0	90	0	73
Western	1	326	0	197

Data Source: MoHS Daily Sit Rep, April 27 – May 10, 2015 * Epi week 19 incomplete

Community Deaths Investigation Epi week #18

Kambia – 2 corpses

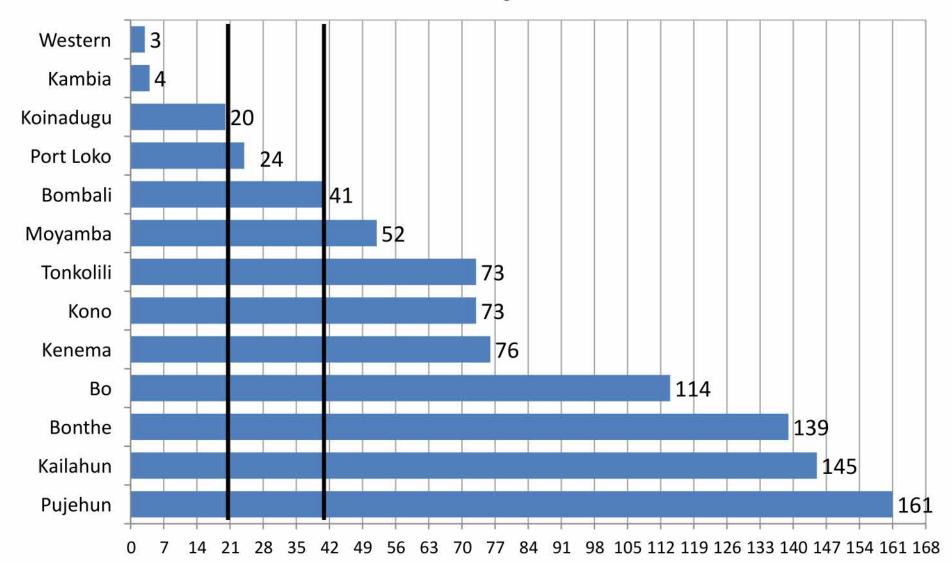
- 35 year old, female; died 04/27/15; epi-link: Rokupr cluster
- 45 year old, female; died 05/1/15; epi-link: under investigation

Community Deaths Investigation (cont.) Epi week #18

Western - 1 corpse

 37 year old, male; died 4/26/2015; epi-link: Moa Wharf cluster

Days Since Last Confirmed Case by District, May 8th



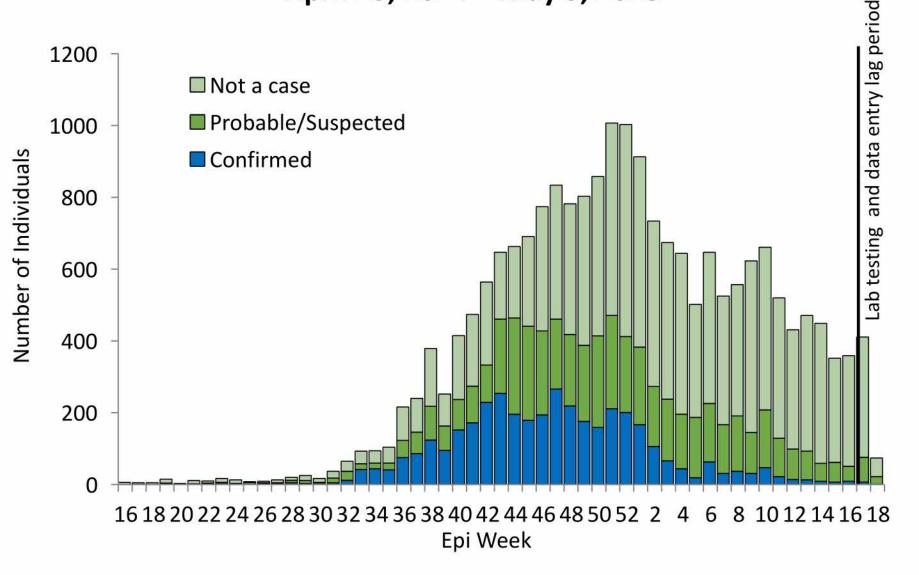
DISTRICT DATA

Note:

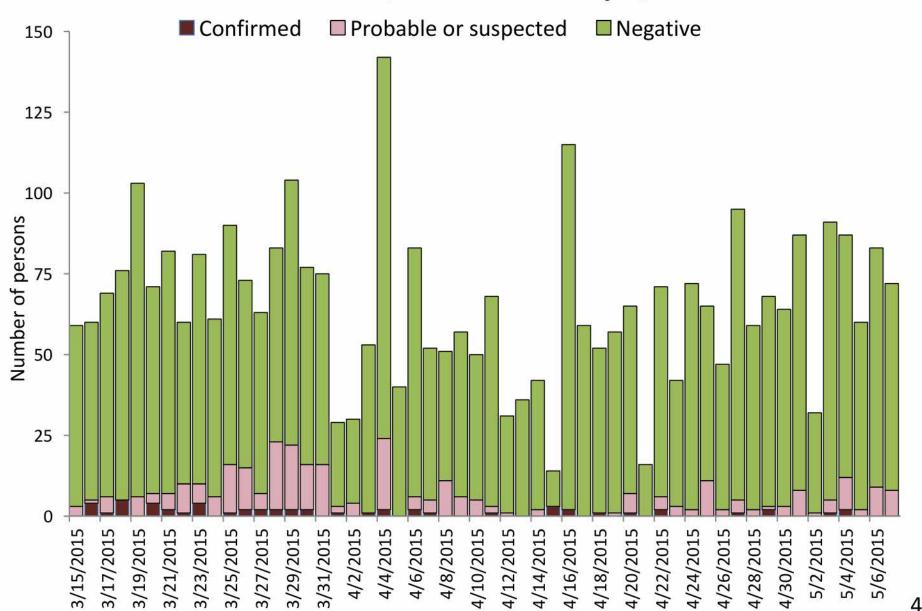
Only includes district data where days since last confirmed case is ≤ 42 days

Western District

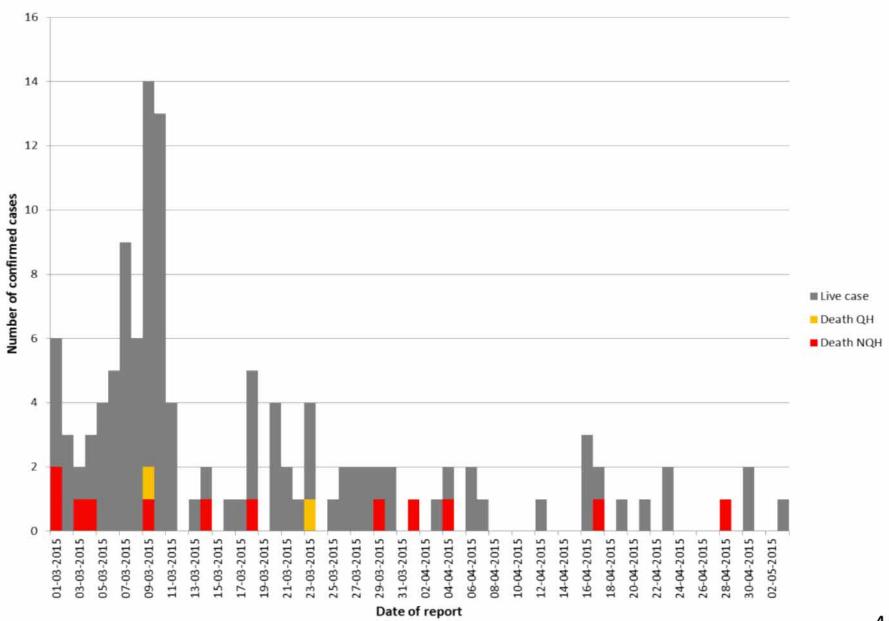
VHF - Reports by Case Definition and Epi-week of Onset — Western April 13, 2014 — May 5, 2015



MoHS - Reported Lab Results by Case Definition and Lab Report Date Western Area, March 15 – May 7, 2015

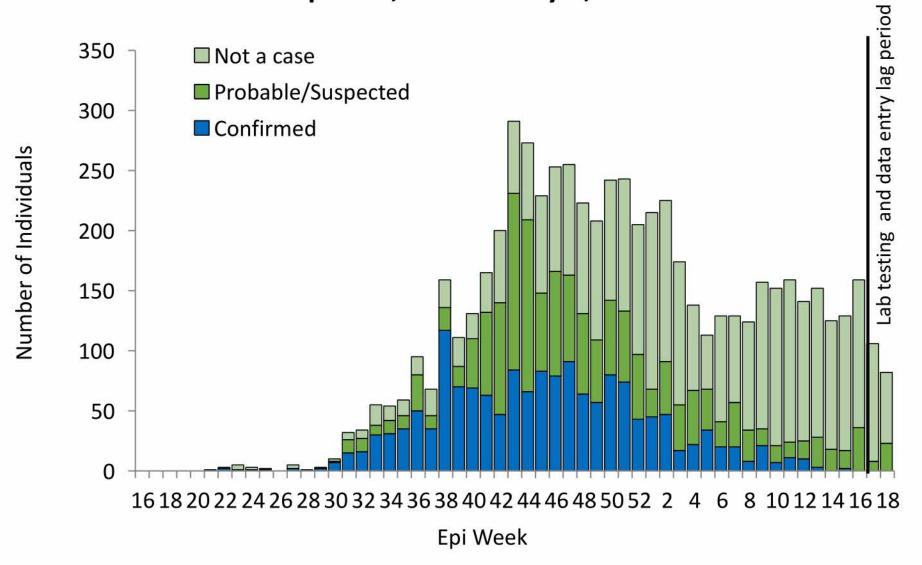


Western Area: Number of Confirmed Cases Daily

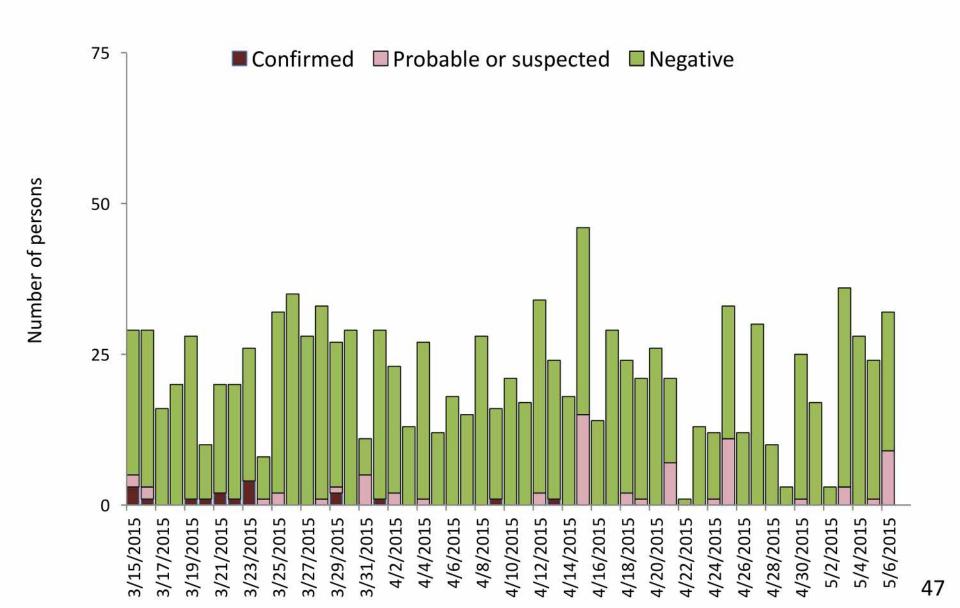


Port Loko District

VHF - Reports by Case Definition and Epi-week of Onset – Port Loko April 13, 2014 – May 5, 2015

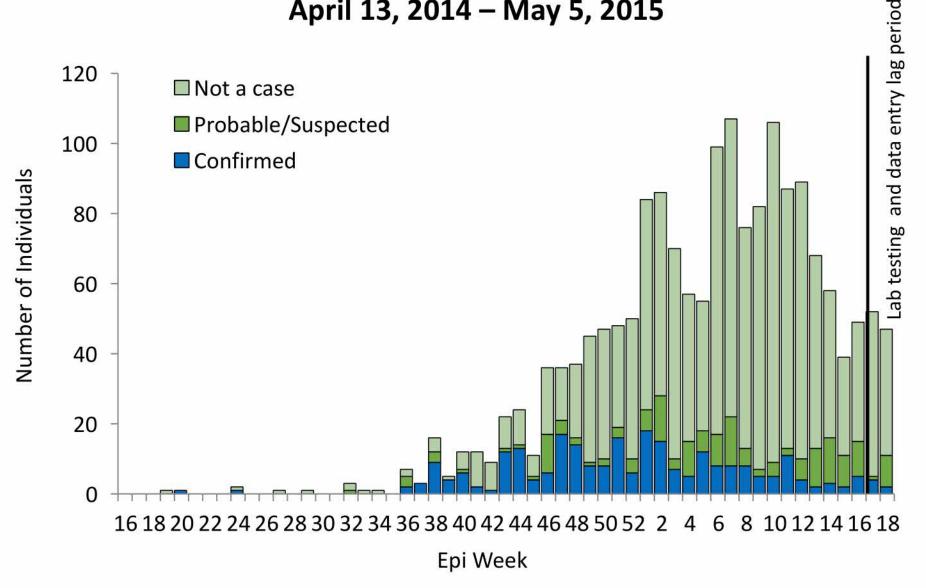


MoHS - Reported Lab Results by Case Definition and Lab Report Date Port Loko, March 15 – May 7, 2015

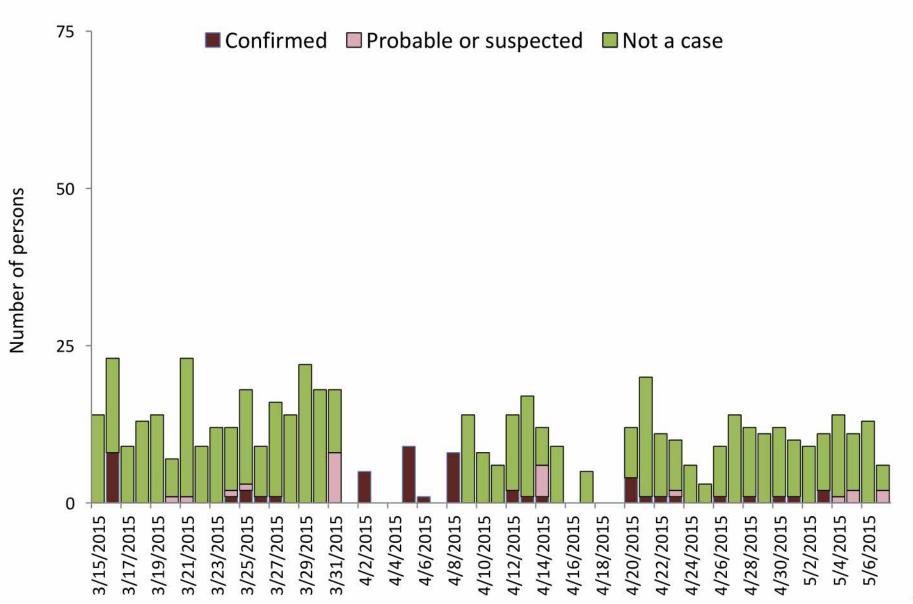


Kambia District

VHF - Reports by Case Definition and Epi-week of Onset - Kambia April 13, 2014 - May 5, 2015

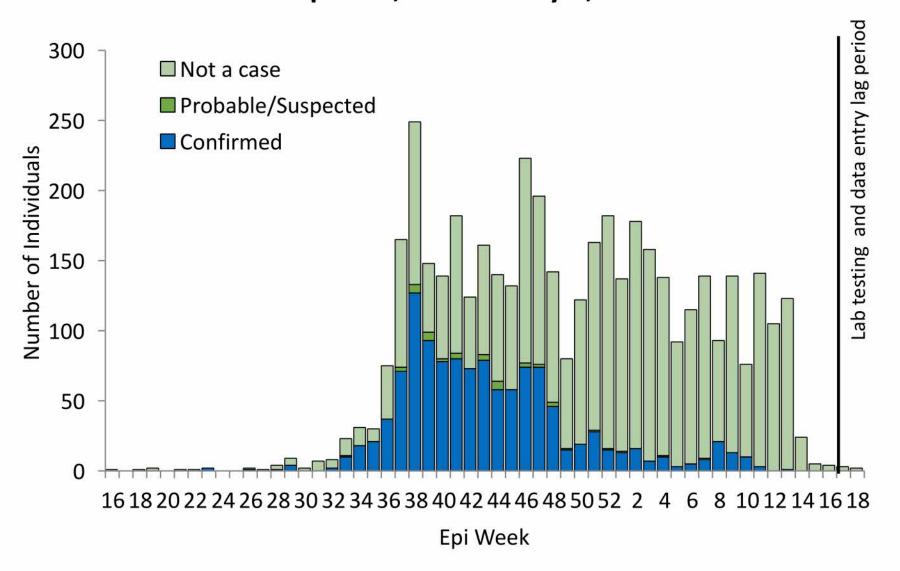


MoHS - Reported Lab Results by Case Definition and Lab Report Date Kambia, March 15 – May 7, 2015

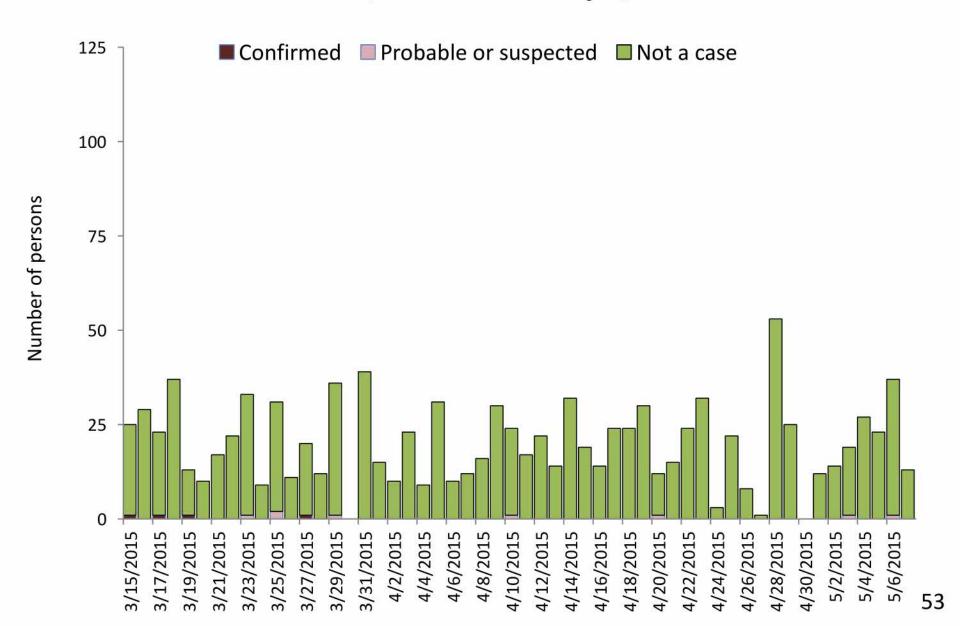


Bombali District

VHF - Reports by Case Definition and Epi-week of Onset - Bombali April 13, 2014 – May 5, 2015



MoHS - Reported Lab Results by Case Definition and Lab Report Date, Bombali, March 15 – May 7, 2015

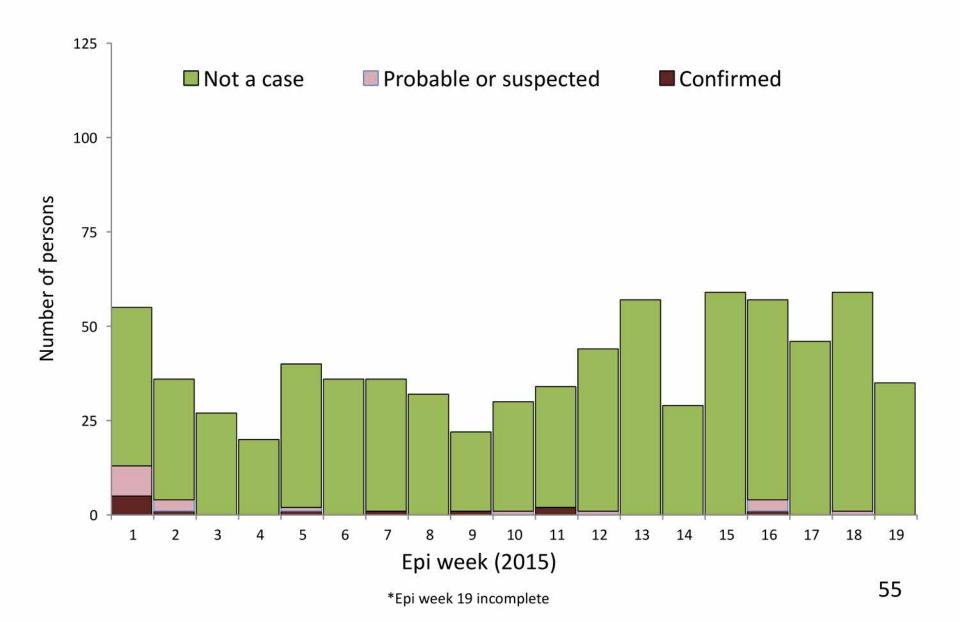


Koinadugu District

Note:

Last VHF data update: Jan 17, 2015. For this reason, only reporting laboratory data from SitRep for current year.

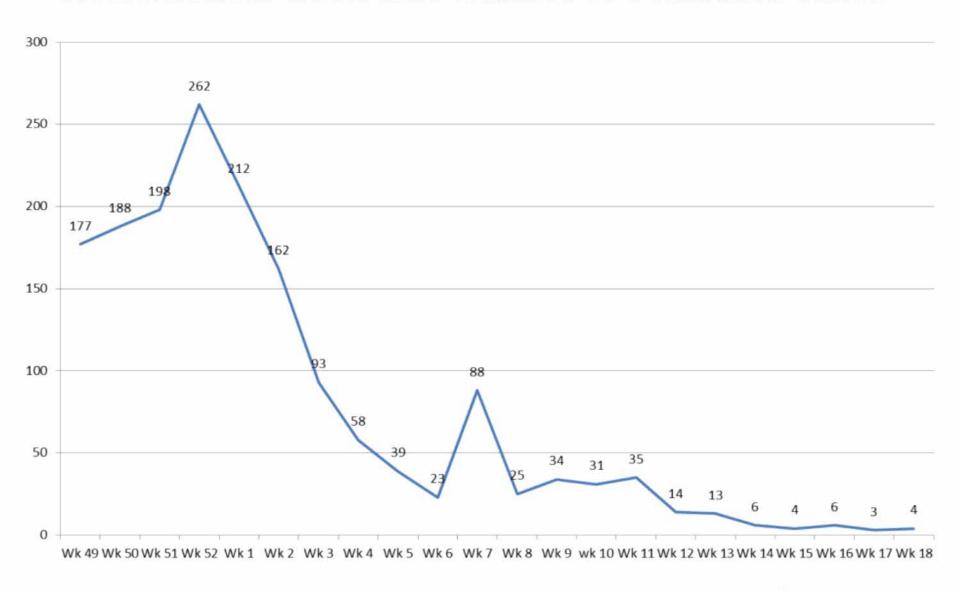
MoHS - Reported Lab Results by Case Definition and Lab Report Date Koinadugu, December 29, 2014 – May 7, 2015 (end of epi week 19*)



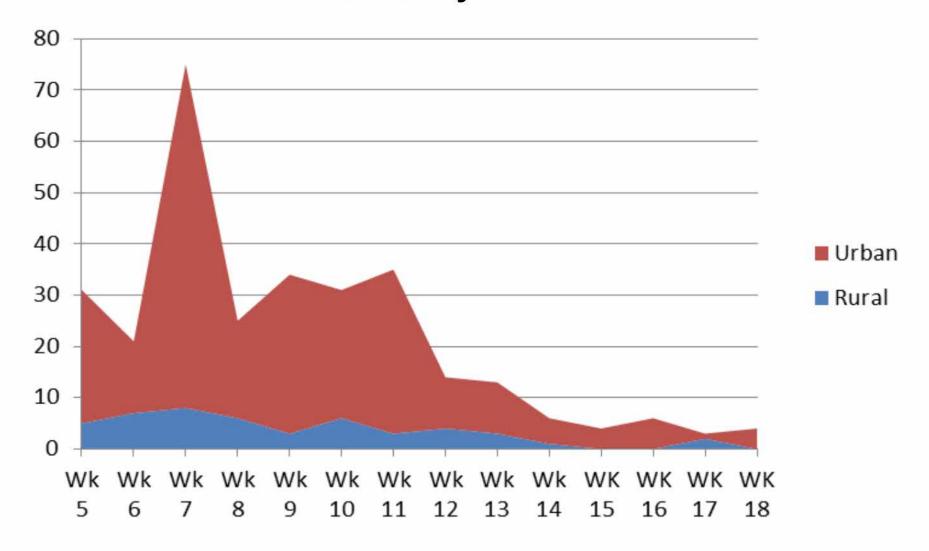
Western Area Ebola Response Center (WAERC) Update

05 May 2015

Western Area: Week-wise Number of Confirmed Cases

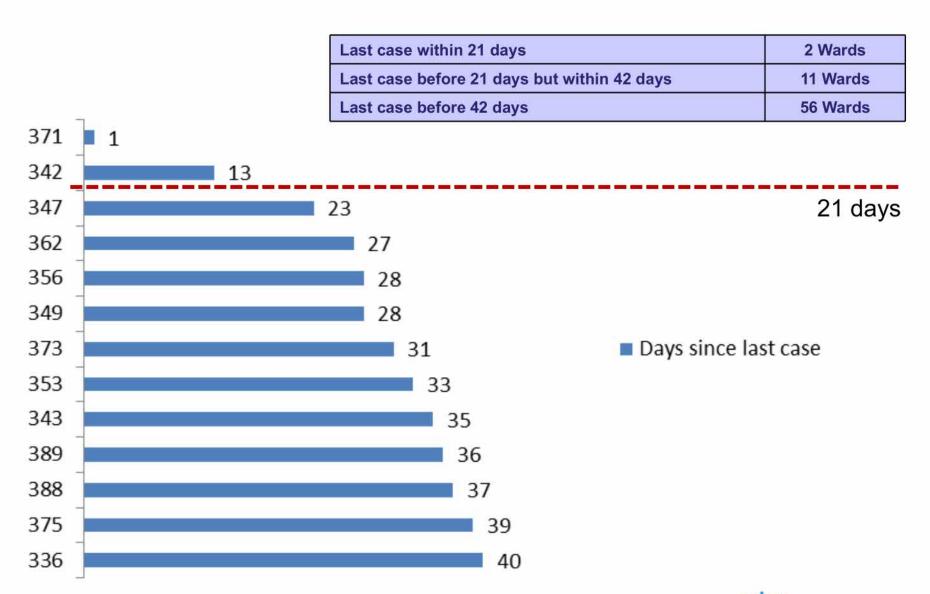


Western Area: Week-wise Number of Confirmed Cases by Area



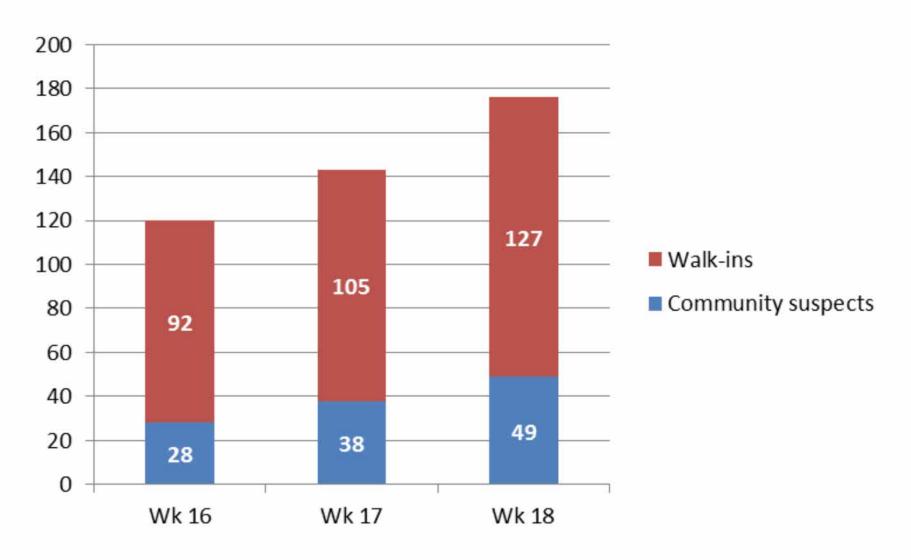


EVD Free Period in Different Wards of Western Area



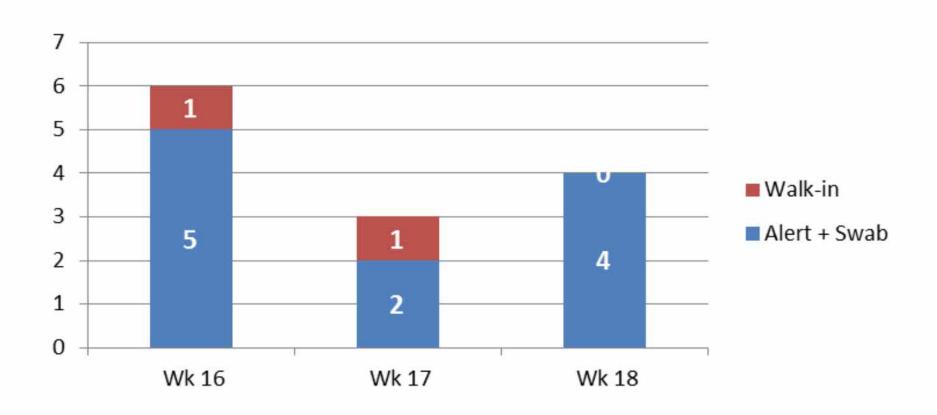


Western Area: Suspected Cases Source



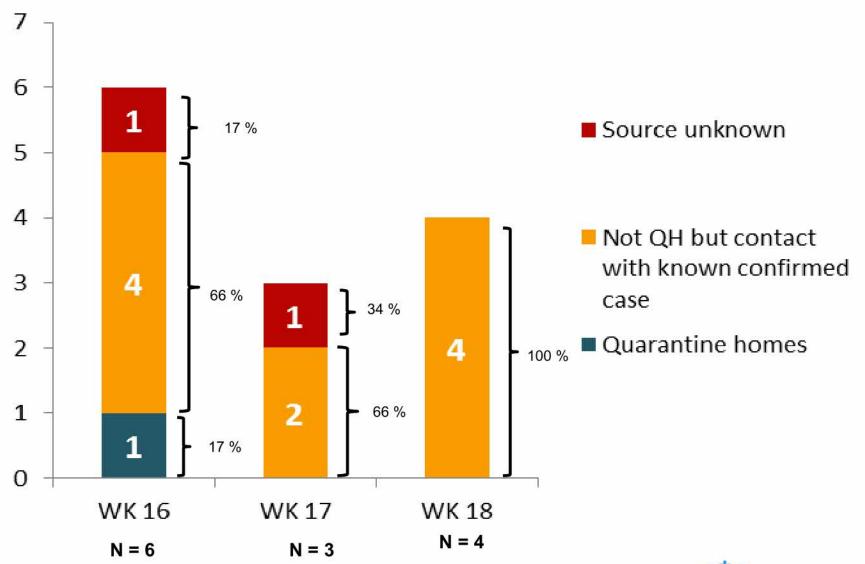


Western Area: Number of EVD Confirmed Cases According to Source



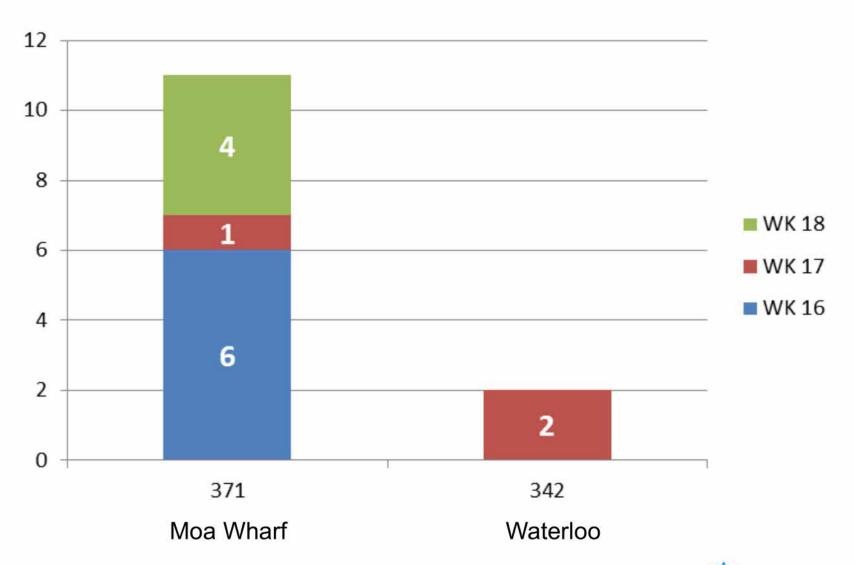


Western Area: Source of Confirmed EVD Cases





Weekly Hotspot of Western Area





Transmission Chain - Kandeh Turay St. Cluster (Waterloo, Western Rural)

Unknown Source

(investigating possible fomite exposure)

Case 1: BG, 18 years old, F

Symptom onset: 10 April

Admitted: 20 April

Blood sample from 22 April EVD+

Status: Died 25 April

Direct physical contact confirmed on 13 April

Case 2: IK, 20 years old, F

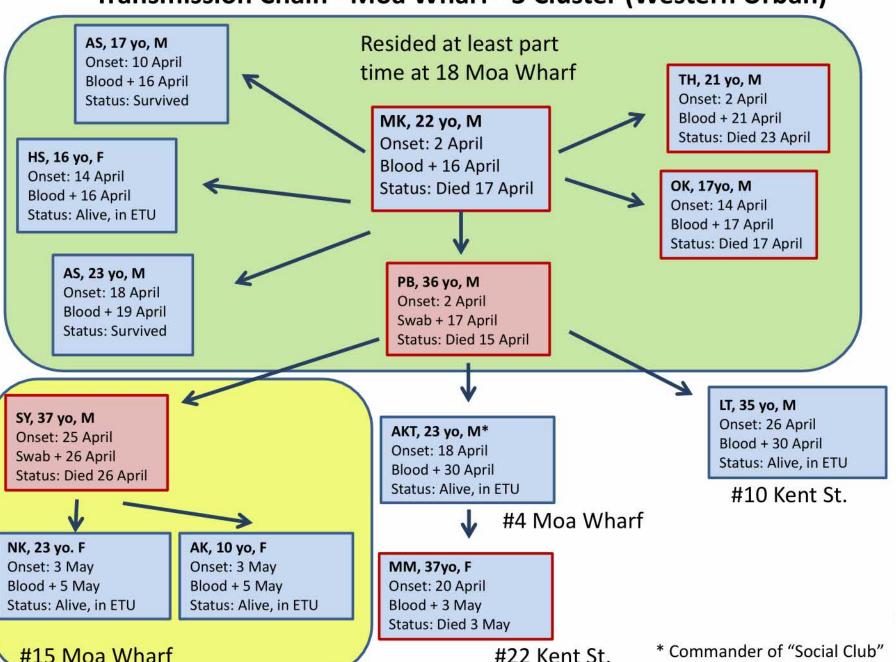
Symptom onset: 18 April

Admitted: 20 April

Blood sample from 22 April EVD+

Status: Alive and recovering

Transmission Chain - Moa Wharf - 3 Cluster (Western Urban)



#15 Moa Wharf

65

OTHER UPDATES

Measles Update

- 72 cases reported since January 2015
 - 50 investigated, 21 IgM positive
- MCH Campaign April:
 - 98.5% 6-59 months vitamin A
 - 96% 12-59 months given albendazole
 - Catch-up vaccination offered
- May 29 June 3 Measles and Polio Campaign:
 - 1.3 million 9-59 months targeted for measles
 - 1.4 million 0-59 months targeted for polio
 - GAVI, OFDA, WHO funded

THANK YOU

From: Marston, Barbara J. (CDC/CGH/DGHP)

Sent: Sat, 4 Apr 2015 08:00:47 -0400

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills, Kimberly C. (CDC/OD/OCS); CDC IMS OD LNO; CDC IMS Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Bumpus, Stefanie (CDC/OD/OCS); Brown, Clive (CDC/OID/NCEZID); Frieden, Thomas (Tom) (CDC/OD); Demby, Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID); Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth (CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon, Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle, Sarah (CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle (CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID); Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR); Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W. (CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca (CDC/ONDIEH/NCCDPHP); Hersey, Sara (CDC/CGH/DGHA); Glover, Maleeka (CDC/OID/OD); Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B. (CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan, Daniel B. (CDC/OID/NCIRD); English, Lorna M. (CDC/ONDIEH/NCCDPHP); CDC IMS DGMQ Task Force Leader/Deputy

Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO); Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E. (CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta, Neil (CDC/OID/NCHSTP); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre (CDC/OID/NCEZID); Ransom, Ray (CDC/CGH/DGHP); CDC IMS Health Promotion; Irwin, Kathleen L. (CDC/OID/NCHSTP); Pembleton, Elizabeth (CDC/OID/NCEZID) (CTR); Lindblade, Kimberly (Kim) (CDC/OID/NCIRD); Henderson, Alden (CDC/CGH/DGHP); Pappas, Claudia (CDC/OID/NCIRD)

Subject: RE: Ebola: Country Call Sierra Leone
Attachments: Weekly Epi Report 04april2015 final.pptx

Dear all-

Please find attached the data pack for today's call with Sierra Leone. Barb



----Original Appointment----

From: EOC Conf/Bridge Calendar (CDC)
Sent: Monday, November 24, 2014 9:00 AM

To: EOC Conf/Bridge Calendar (CDC); Demby, Austin (CDC/CGH/DGHA); Marston, Barbara J. (CDC/CGH/DGHP); Damon, Inger K. (CDC/OID/NCEZID); GDD-OUTBREAK (CDC); CDC IMS AV/Communications; Helfand, Rita (CDC/OID/NCEZID); Williams, Teresa (CDC/OD/OCS); Dills, Kimberly C. (CDC/OD/OCS); CDC IMS OD LNO; CDC IMS Incident Manager (CDC); Davis, Carma L. (CDC/OD/OCS) (CTR); Bumpus, Stefanie (CDC/OD/OCS); Brown, Clive (CDC/OID/NCEZID); Frieden, Thomas (Tom) (CDC/OD); Demby, Austin (HHS/OS/OGA); Knust, Barbara (CDC/OID/NCEZID); Nichol, Stuart T. (CDC/OID/NCEZID); Tappero, Jordan (CDC/CGH/DGHP); Wuichet, John W. (CDC/OD/OCS); Bell, Beth (CDC/OID/NCEZID); Morgan, Oliver (CDC/OID/NCEZID); 2014 Ebola Response (CDC); Kenyon, Thomas A. (CDC/CGH/OD); Foti, Kathryn (CDC/OD/OCS); CDC IMS Policy Unit -2 (Ebola); Merkle, Sarah

(CDC/ONDIEH/NCEH); Rayfield, Mark (CDC/CGH/DGHP); Petersen, Lyle (CDC/OID/NCEZID); Perrone, Laura (CDC/CGH/OD); Meltzer, Martin I. (CDC/OID/NCEZID); Washington, Michael (Wash) (CDC/OID/NCEZID); Gambhir, Manoj (CDC/OID/NCIRD) (CTR); Reott, Erica (CDC/ONDIEH/NCBDDD); Kibunja, Julia N. (CDC/CGH/OD); Brunette, Gary W. (CDC/OID/NCEZID); Dicker, Richard C. (CDC/CGH/DGHP); Bunnell, Rebecca (CDC/ONDIEH/NCCDPHP); Hersey, Sara (CDC/CGH/DGHA); Glover, Maleeka (CDC/OID/OD); Kennedy, David N. (CDC/OPHPR/DEO); Merlin, Toby (CDC/OID/NCEZID); Crockett, James B. (CDC/OPHPR/DEO); Anaya, Gabriel (CDC/CGH/GID); Williams, Ian (CDC/OID/NCEZID); Jernigan, Daniel B. (CDC/OID/NCIRD); English, Lorna M. (CDC/ONDIEH/NCCDPHP); CDC IMS DGMQ Task Force Leader/Deputy

Cc: Ervin, Elizabeth (CDC/OID/NCEZID); Park, Benjamin (CDC/OID/NCEZID); Davis, Stephanie Marie (CDC/CGH/DGHA); Daves, Sharon (CDC/CGH/DGHP); Brooks, Jennifer (CDC/OPHPR/DEO); Briss, Peter (CDC/ONDIEH/NCCDPHP); CDC IMS Laboratory; Hall, Aron (CDC/OID/NCIRD); McMorrow, Meredith (CDC/OID/NCIRD); Mast, Eric (CDC/CGH/GID); Tohme, Rania A. (CDC/CGH/GID); Srivastava, Pamela (CDC/OID/NCIRD); Barbour, Kamil E. (CDC/ONDIEH/NCCDPHP); hersey.sara@gmail.com; Zulz, Tammy (CDC/OID/NCEZID); Gupta, Neil (CDC/OID/NCHHSTP); Wilson, Katie (CDC/OID/NCEZID) (CTR); Rollin, Pierre (CDC/OID/NCEZID); Ransom, Ray (CDC/CGH/DGHP); CDC IMS Health Promotion; Irwin, Kathleen L. (CDC/OID/NCHHSTP); Pembleton, Elizabeth (CDC/OID/NCEZID) (CTR); Lindblade, Kimberly (Kim) (CDC/OID/NCIRD); Henderson, Alden (CDC/CGH/DGHP); Pappas, Claudia (CDC/OID/NCIRD)

Subject: Ebola: Country Call Sierra Leone

When: Saturday, April 04, 2015 10:50 AM-11:35 AM (UTC-05:00) Eastern Time (US & Canada).

Where: Conference Call Only (b)(6)

Please note that starting March 21, 2015 the time for this call is as follows:

Atlanta: 10:50-11:35 AM Sierra Leone: 2:50-3:35 PM

Updated bridgeline

POC: INTL TF Barbara Marston & Lorna English

The call line information is:

Bridgeline:
Passcode:
International Number:
(b)(6)
(b)(6)

For any changes or updates, please contact EOCReport@cdc.gov or phone (770) 488-7100

Sierra Leone Ebola Response Epidemiology Overview April 4, 2015

Cluster Tracking

Update on HCW associated clusters

Bombali

Kamaranka Cluster (SL25)

- Case: 1 HCW (51 y/o man who administers vaccines in Makeni); symptom onset Mar 8, died Mar 16, EVD (+) dead swab reported Mar 18
- Contacts: 80 contacts under active surveillance. Surveillance ends April 7
- Epi-link: Uncertain. Suspect recent travel to Freetown to visit family, some of whom are reported to have died from Ebola (not yet confirmed, under investigation)

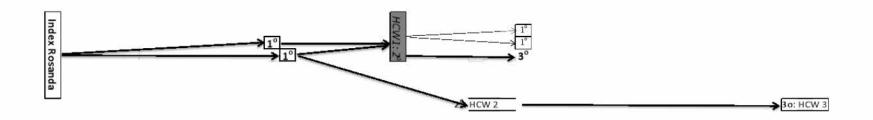
Bombali HCW Cluster Summary

Bombali MRGH Cluster (SL26)

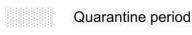
- Cases: 5 total; 3 HCWs: 2 original (porter and maternity ward nurse)
 + new case (maternity ward nurse) identified March 29 investigation is ongoing.
- Contacts: 296 contacts (+195 commercial motorbike riders under phone monitoring); surveillance ends April 17 (will be extended).
- Epi-Link: Two plausible links; both from Rosanda Cluster
 - 58 y/o F triaged at Makeni Hospital on Feb 25 PCR(+) had contact with HCW
 1, who then had contact with HCW 2 while still wearing contaminated PPE
 - 24 y/o pregnant F transported to the Makeni hospital Feb 26 PCR(+) had direct contact with HCW 1 and HCW 2 (more likely link)

Ebola Virus Disease Cases, Bombali 3/2/2015 – ongoing MRGH Cluster (SL26)

Ebola Virus Disease Cases, Bombali 3/2/15- ongoing MRGH Cluster



Confirmed Current Ebola Case Clusters in Western Area, Sierra Leone Cluster Cluster name size and ward 14 21 35 42 63 70 0 28 49 56 Aberdeen/Tamba Kula (392) 42 Jalloh Terrace (356) Power Magazine (360) 17 Kossoh Town (328) Magazine Cut (374) Kaningo-Lumley (394) 35 Consider Lane (349) Leicester Rd (375) Moa Wharf



Moa-York3

Kolokoh Street

1 Feb

8 Feb

15 Feb

22 Feb

8 Mar

15 Mar

22 Mar

1 Mar

5 Apr

12 Ap

29 Mar

Port Loko

Thombo Bana, Kaffu Ballum (Feb-March 2015) (SL13)

- Cases: 8 cases
- Contacts: 2 (Taxi driver and neighbor); surveillance ends April 23
- Epi-link: Father and mother of pregnant women (newborn died at ETU) EVD+ in January and February

Lokomasama (SL17)

- Cases: 4
- Contacts: 46 contacts under surveillance; Quarantine ends April 10
- Epi-Link: Previous cases in a neighboring village seeded this cluster epi link is a secret burial on Feb 15; first case symptom onset Feb 23

Gbonko Maforay/Roktolon, BKM (SL19)

Cases: 2

Contacts: 1; quarantine ends April 3

• **Epi-Link**: Source unknown in both cases, but both traveled to a neighboring village in recent weeks where a previous suspect case lived; first case symptom onset Feb 25

Kaffu Bullom (Baimbaya and Yoroya) (SL29)

Cases: 3

- Contacts: Under investigation; quarantine ends April 15
- **Epi-Link**: Source case may have travelled to Freetown (ill family in Freetown); first case symptom onset Mar 4

Port Loko/lunsar cluster (SL37)

- Cases: 1
- Contacts: 88 contacts under surveillance; Quarantine ends April 11
- Epi-Link: From quarantine home. Source case may have been infected in Freetown or through her employment (hairdresser/sex worker)

Kaffu Bullom, Kasongha (SL38)

- Cases: 1
- Contacts: 36 contacts under surveillance; Quarantine ends April 15
- Epi-Link: From quarantine home. First case identified on February 17, further epi link cannot be identified at the moment

Koya (SL39)

- Cases: 1
- Contacts: 34 contacts under surveillance (including 7 HCW);
 Quarantine ends April 12
- Epi-Link: Admitted to holding center on February 28 as a EVD suspect case tested EVD(-) and discharged to general hospital with pneumonia. Discharged home on March 12. Not from a quarantined home.

Lokomasama-Pepel (SL40)

- Cases: 1
- Contacts: 12 contacts under surveillance; Quarantine ends April 14
- Epi-Link: Unknown. Repeated visits from local, CDC, and WHO surveillance and epi staff have not revealed a source or epi link.

Buya Romende Foredugu (SL41)

- Cases: 1
- Contacts: 14 contacts under surveillance; Quarantine ends April 10
- Epi-Link: Unknown. Repeated visits from local, CDC, and WHO surveillance and epi staff have not revealed a source or epi link.

Kambia

Malal-Magbema (SL01)

• **Cases:** 13

Contacts: 16. Surveillance ends Apr 6

 Epi-link: Household contact with confirmed case in Mayafa; moved back to Malal at symptom onset. First case symptom onset Nov 18.

Lakoya, Gbinle-Dixing Chiefdom (SL32)

Case: 2

Contacts: 33 quarantined in Lakoya & Magbenbeh (including 2 HWC); quarantine ends April 15

 Epi link: Linked to a no longer active cluster associated to a unsafe burial in Guinea

Kambia (cont.)

Kabaya, Bramaia Chiefdom (SL33)

- Case: 1
- Contacts: 36 quarantined in 8 households living in three houses at two separate locations; quarantine ends April 6
- Epi link: Not clear. However, there is evidence of recent travel to Guinea

Guinea-Soria cluster (SL35)

- Case: 1
- Contacts: 7 (likely to increase), quarantine ends Apr16
- Epi link: Travel history to attend grandmother's burial in Guinea

Kambia (cont.)

Guinea-Yeamalabay cluster (SL36)

- Case: 1
- Contacts: 1 quarantined home with 13 confirmed cases; date quarantine ends was not reported
- Epi link: History of traveling to Guinea escaping from a quarantined home (15 confirmed cases)

Fouta, Gbinle Dixon (SL42)

- Case: 1
- Contacts: 11 contacts in 2 households, date of last contact March 24, quarantine ends April 13
- Epi-link: EVD case who died in community, QH in nearby village.
 Otherwise unknown.

Kambia (cont.)

Rogberay, Gbinle Dixon-Kambia, Magbema (SL43)

- Case: 1
- Contacts: Total of 47; 15 in Rogberay and 32 in Kambia 1 & 2, including 10 nurses, 2 CHOs and 1 laboratorian.
- Epi-link: No known epi link. Positive swab.
- Index case info: Patient died in Kambia Government Hospital with a diagnosis of peptic ulcer disease. Was not suspected of Ebola. Investigation ongoing into possible exposure of other patients.

Koinadugu

Kumala-Ferenkoro (SL31)

Cases: 3

Contacts: 67; Surveillance ends April 6.

Epi-link: Index case was woman who delivered baby on March 1st, died post-partum and later found to be EVD+. Neonate died at 7 days of age. 3rd case was grandchild of birth attendant. Epi-link of index case still being investigated.

Moyamba

Ribbi-Waterloo (SL37)

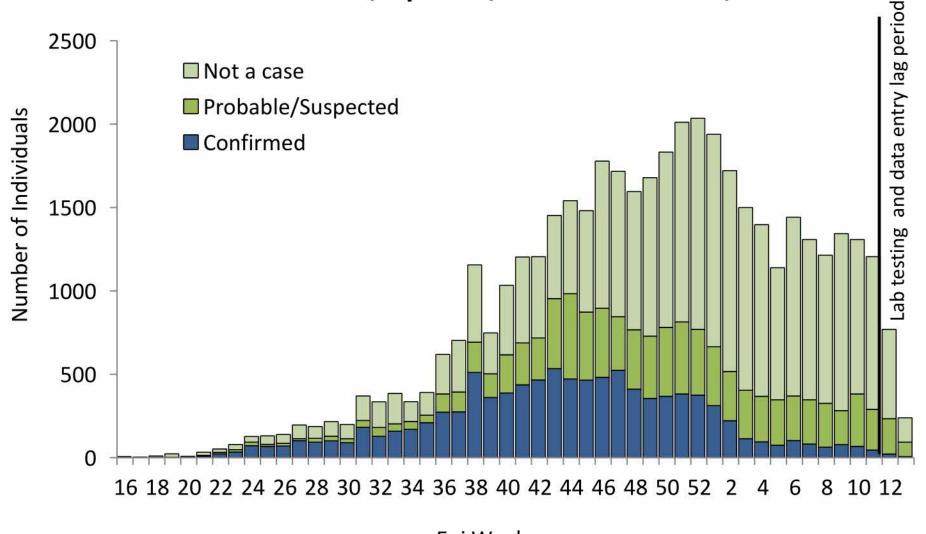
• Case: 1

Contacts: 16 under quarantine. Quarantine ends April 5

 Epi-link: Unclear. However, the case travels frequently to Waterloo (Western rural). Investigation is ongoing.

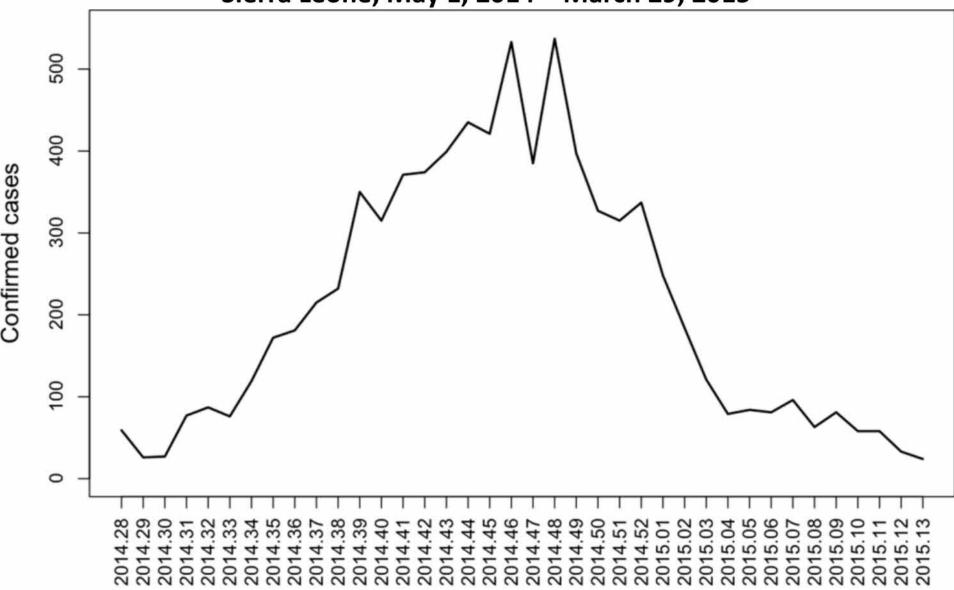
NATIONAL DATA

Ebola investigations by case status, Sierra Leone MoHS VHF Data, April 14, 2014 – March 29, 2015



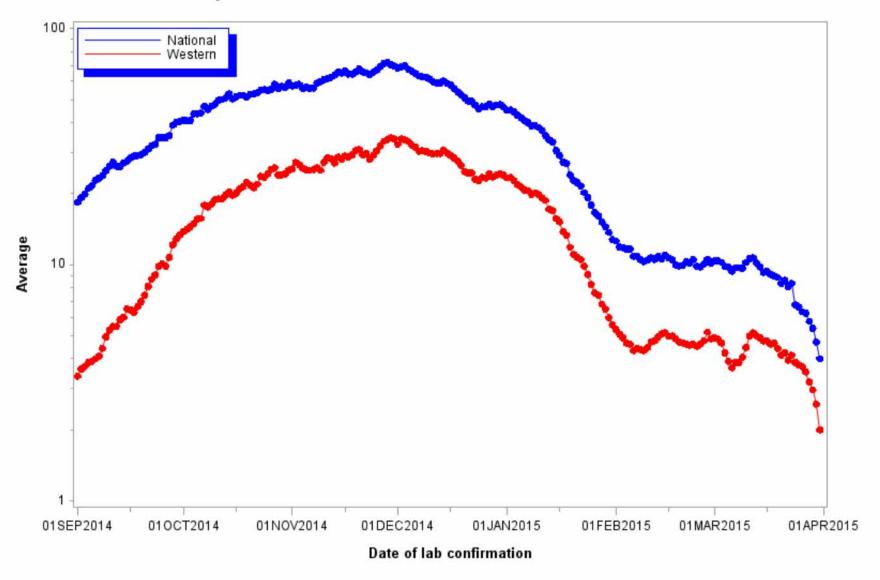
Epi Week

Weekly confirmed cases by Ebola investigations, MoHS Data, Sierra Leone, May 1, 2014 – March 29, 2015



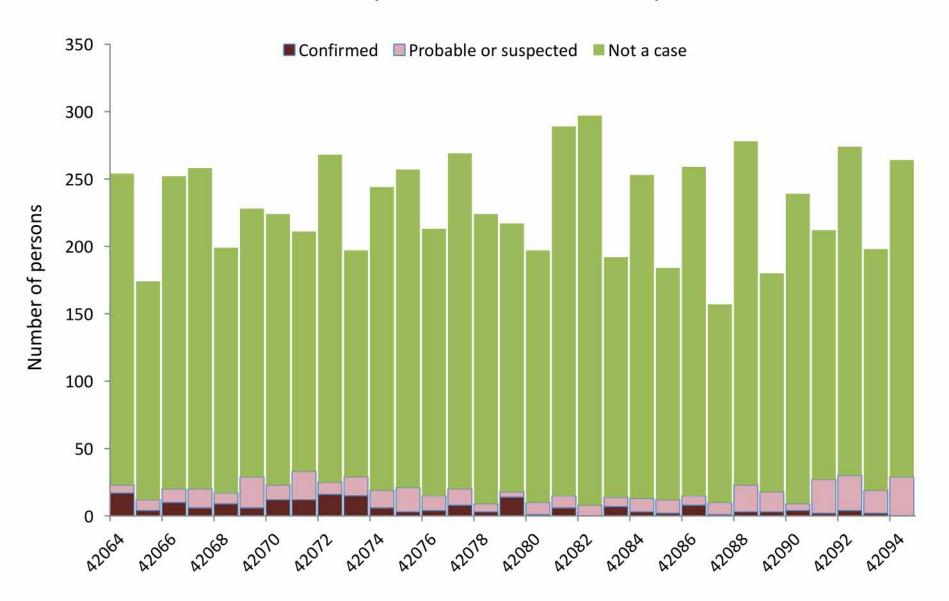
Data source: MoHS Situation Reports, health.gov.sl/?page.id=583

Number of confirmed cases/day (21-day moving average) September 1, 2014 – March 29, 2015

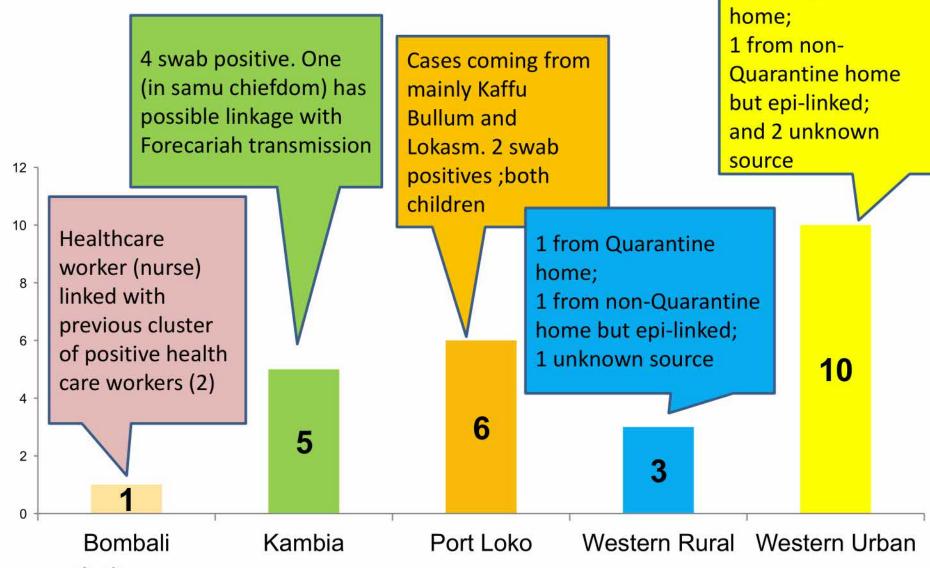


Y axis is on the log scale

MoHS - reported lab results (by date of the lab results report) National, March 1 – March 31, 2015



EVD Cases-Week 13





Weekly Ebola Surveillance Report - Ministry of Health and Sanitation, Sierra Leone

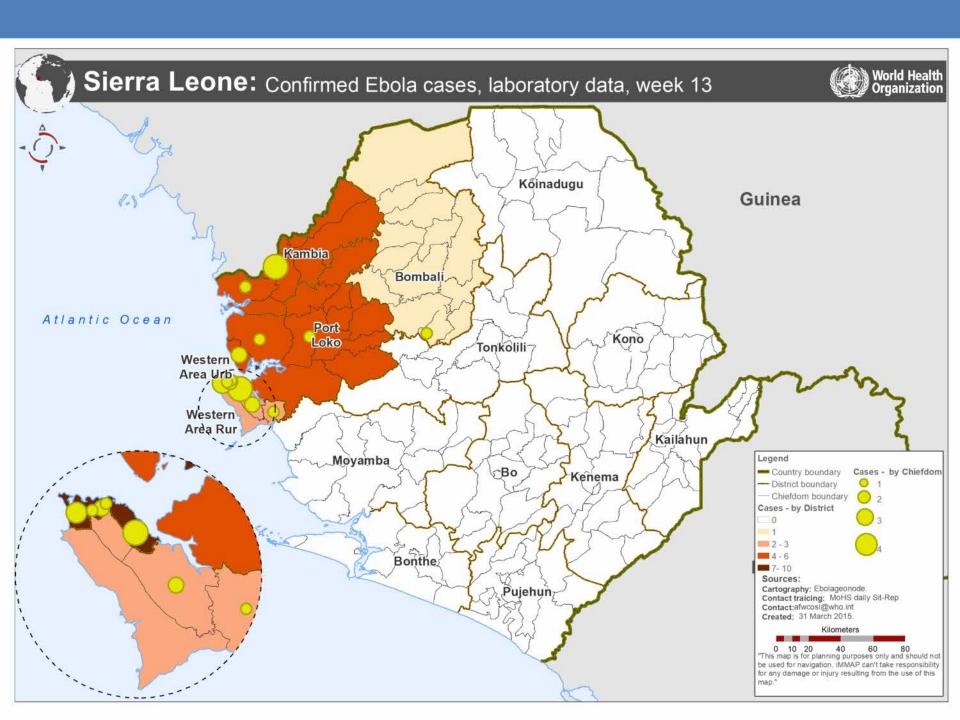
For more information please contact: District Health Management Team at District level National level Directorate of Disease Prevention and Control: dpcsurveillance@gmail.com

Mobile:- +23276913000

7 from Quarantine

Confirmed Ebola Cases, 16th March to 29th March 2015

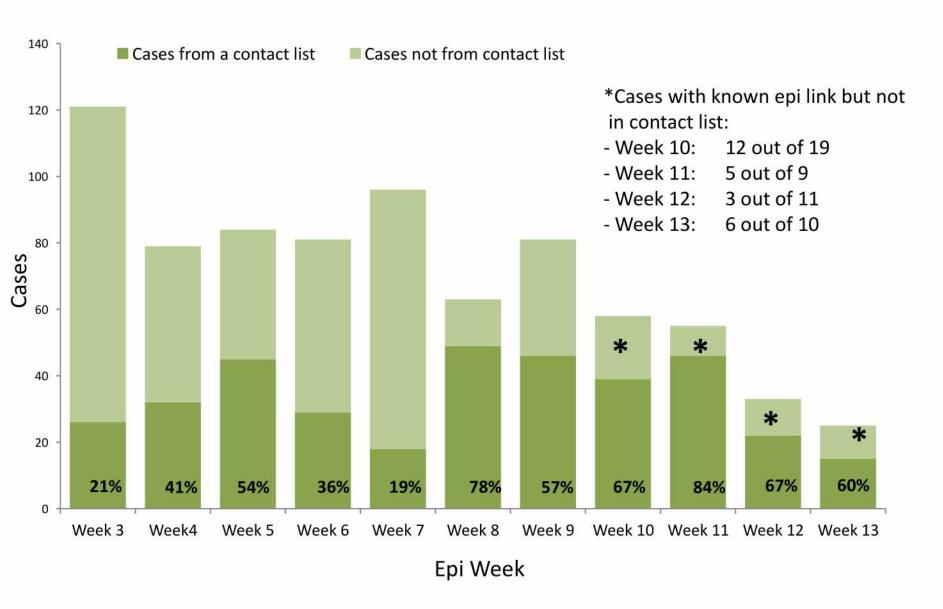




Cumlative Confirmed Ebola Cases, Laboratory Data, 23rd May 2014 - 29th March 2015

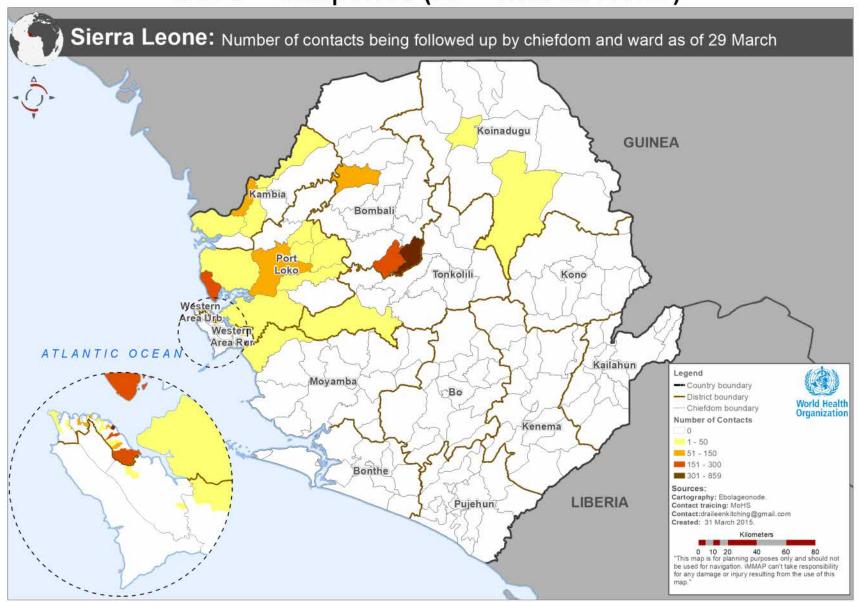


No. (%) of new cases from contact lists

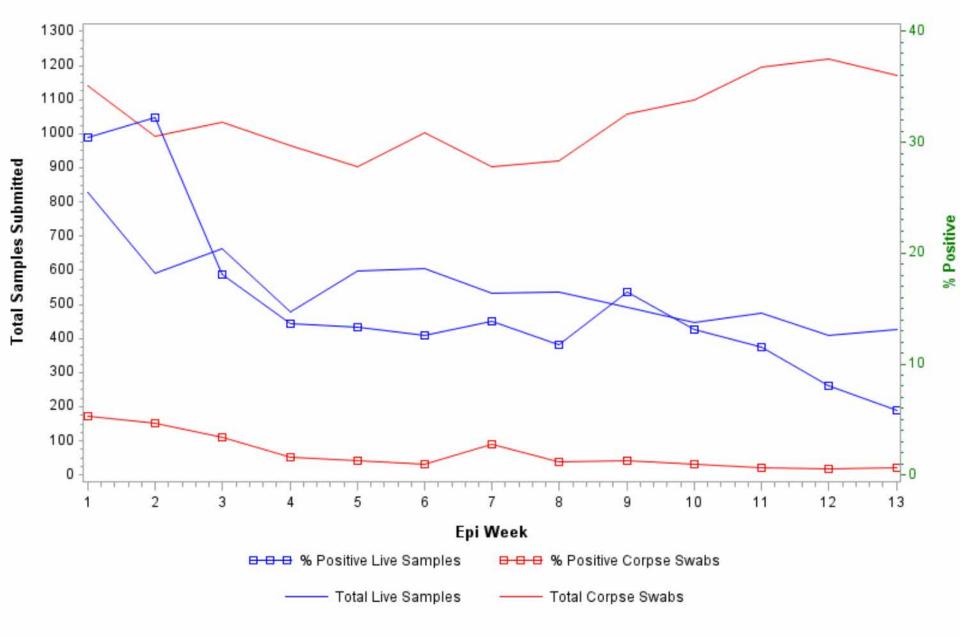


Cases not from a contact list include: cases with known epi link but not in a contact list, unknown and under investigation

No. of contacts (n=2,865) being followed up by Chiefdom & ward – Snapshot (29th March 2015)

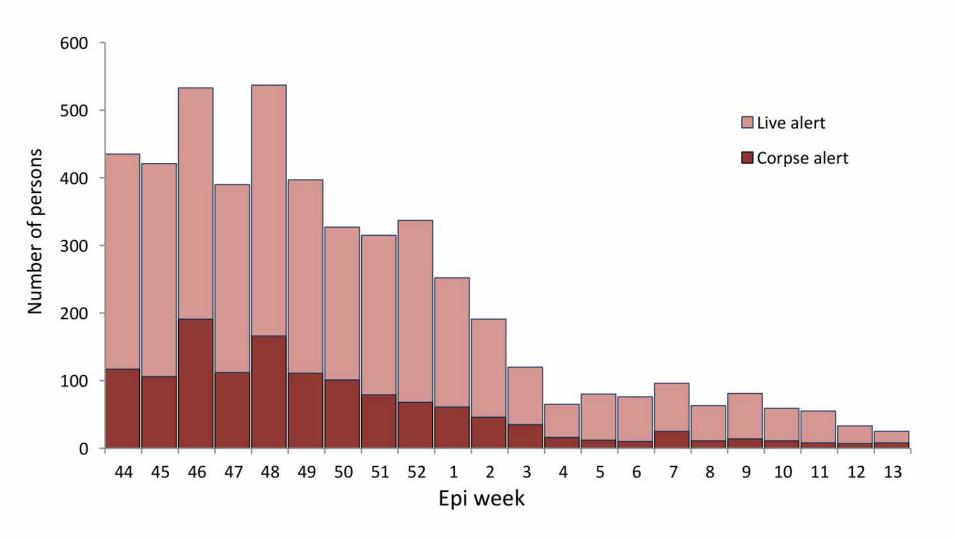


Comparison of Positive Results to Total Samples Live Cases and Death Swabs



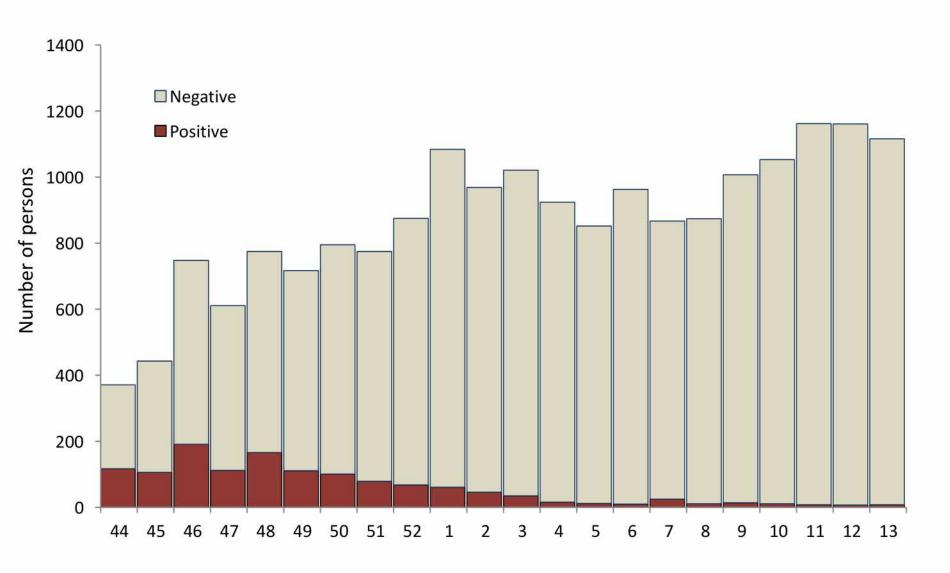
SitRep Data, last updated: March 24, 2015

MoHS-reported confirmed cases* by type of alert, Sierra Leone, October 27, 2014 – March 29, 2015



^{*}Cases confirmed through swab testing were assumed to be corpse alerts.

MoHS-reported corpses* by EVD result, Sierra Leone, October 27, 2014— March 29, 2015



^{*}Swab samples were assumed to be from corpse alerts.

EVD cases confirmed from swabs data (Epi week 13: March 23-March 29, 2015)

	EVD confirmed	Total corpses	
National/District	corpses	swabbed	
National	8	1168	
Во	0	109	
Bombali	0	104	
Bonthe	0	21	
Kailahun	0	28	
Kambia	4	64	
Kenema	0	72	
Koinadugu	0	50	
Kono	0	50	
Moyamba	0	47	
Port Loko	2	141	
Pujehun	0	55	
Tonkolili	0	103	
Western	2	324	

Data Source: MoHS Daily Sit Rep, March 29

Community deaths investigation

 Between March 23-29, 2015, labs reported 8 "initial" positive swabs, all of which were confirmed to be collected from corpses.

Deaths in Quarantined	Other Community	Deaths in	Deaths in Treatment	Death in non-Ebola
Homes	Deaths	Centers	Centers	health care facility
1	5	0	1	1

Port Loko – 2 corpses,

- 5 y/o child who died on 3/21/15. Epi link: Unknown. Community death, not from a quarantined home
- 2 month old baby y/o female who died on 3/19/2015. Epi link: unknown. No cases in the village for a long time. Community death, not from a quarantined home

Kambia – 4 corpses,

- 1 y/o child who died on 3/23/15. Epi link: Mother and child travelled to Guinea to attend grandmother's funeral (likely unsafe burial). Community death, not from a quarantined home
- 45 y/o male who died on 3/24/15. Epi link: Unknown.
 Community death

Kambia – 4 corpses, (cont.)

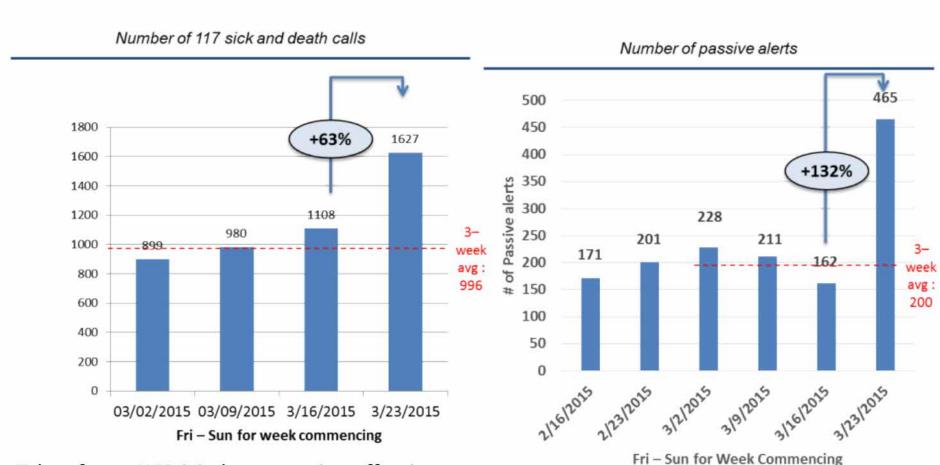
- 50 y/o female who died on 3/26/15. Epi link: Unknown.
 Admitted to hospital (was not suspected of Ebola) and died in hospital with a peptic ulcer disease diagnosis
- 5 y/o child who died 3/28/2015. Epi link: EVD (+) person in household (under quarantine). Died in GOAL ETU

Western Urban – 2 corpses,

- 65 y/o man who died on 3/29/15. No information available. Community death and not from a quarantined home
- 1 y/o child who died on 3/22/15. Epi link: Consider lane cluster. Community death, from a quarantined home (mother did not disclose symptoms for 3 days)

Did the campaign lead to people engaging more with the response?

Number of calls and alerts during the 3-day campaign

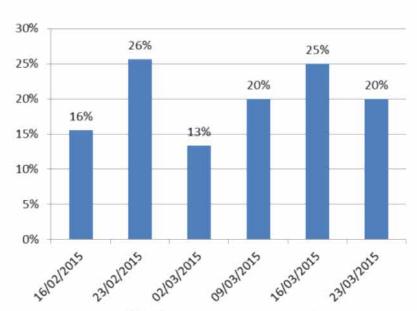


Taken from: NERC 3-day campaign effectiveness

Did the campaign lead to people engaging more with the response?

Only 2 cases came from deaths in the community

% of new confirmed EVD cases coming from deaths in community







45

39

- (

15

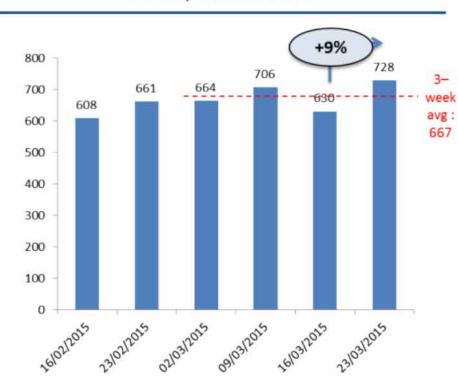
12

10

Did we find more sick people and screen them for EVD?

The number of suspect cases by week

of suspect cases tested



Note: # of suspect cases tested serve as a proxy for the number of people found that meet the case definition. However, these numbers will differ so it should only be used to assess trend over time. Some lab tests may also be for repeat tests for those already found before the campaign

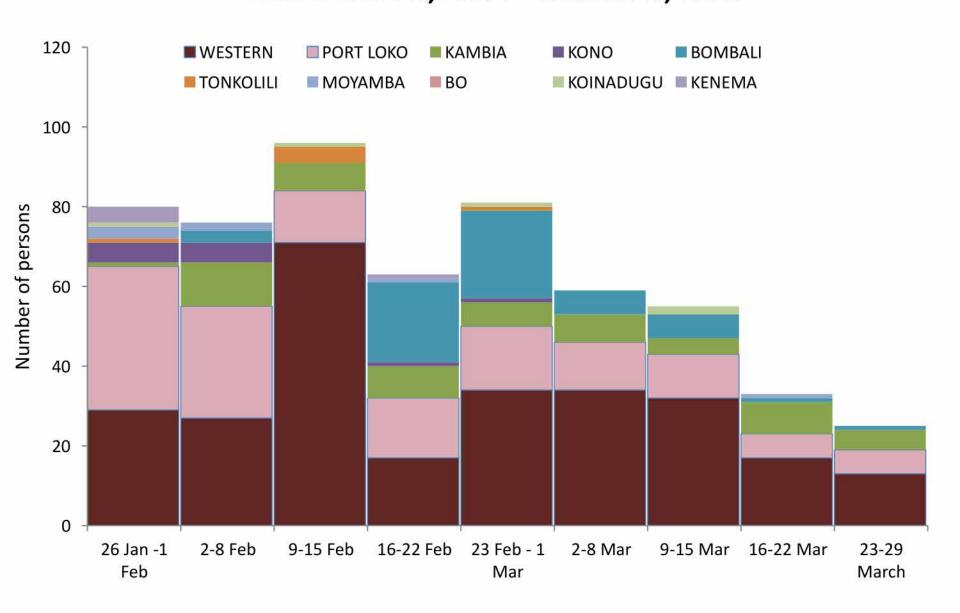
Zmapp trial

Medication arrived April 2nd in SL, trial began April 3rd

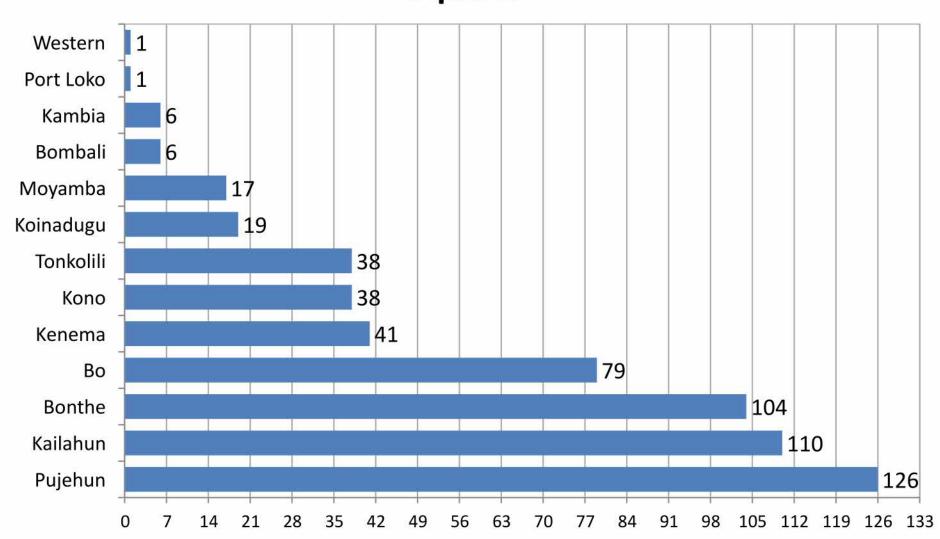


District Data

MoHS-weekly reported confirmed cases (by test date), December 29, 2014 – March 29, 2015



Days Since Last Confirmed Case by District, April 2nd



Data Source: MoHS Daily Sit Rep, April 2nd

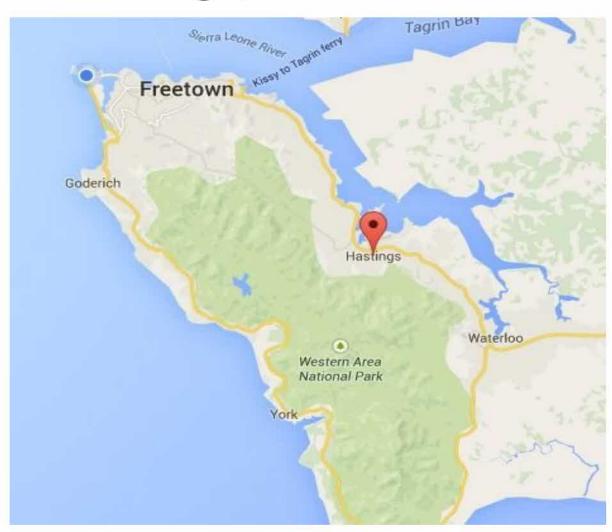
Western District



Total capacity: ~80 people

Current occupancy: 34 people

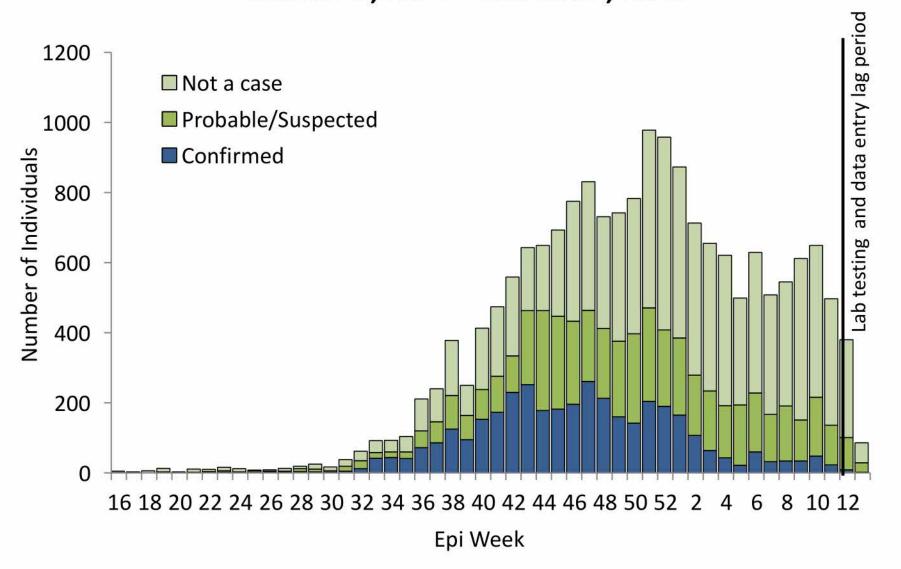
EVD (+) since officially opened: 0



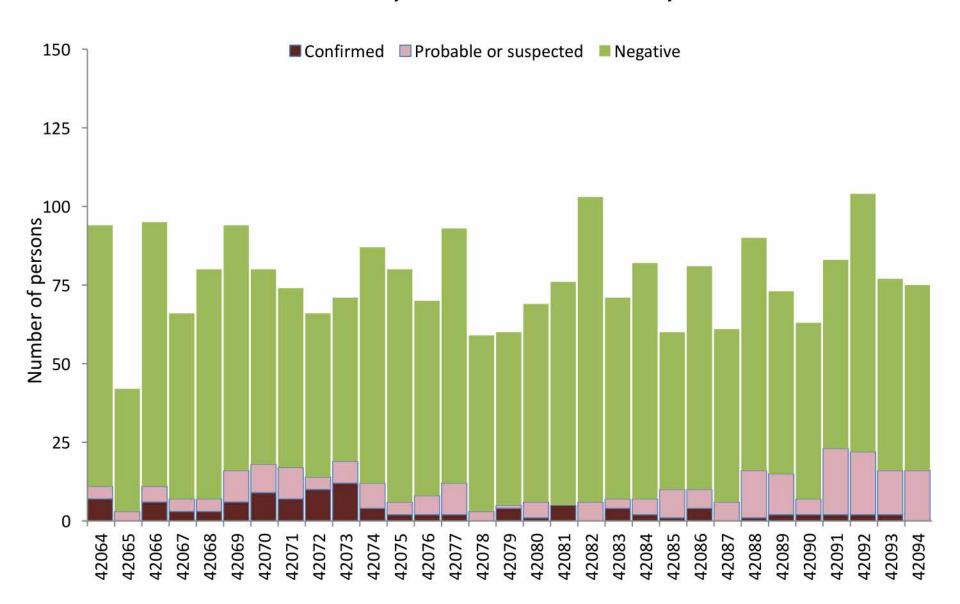




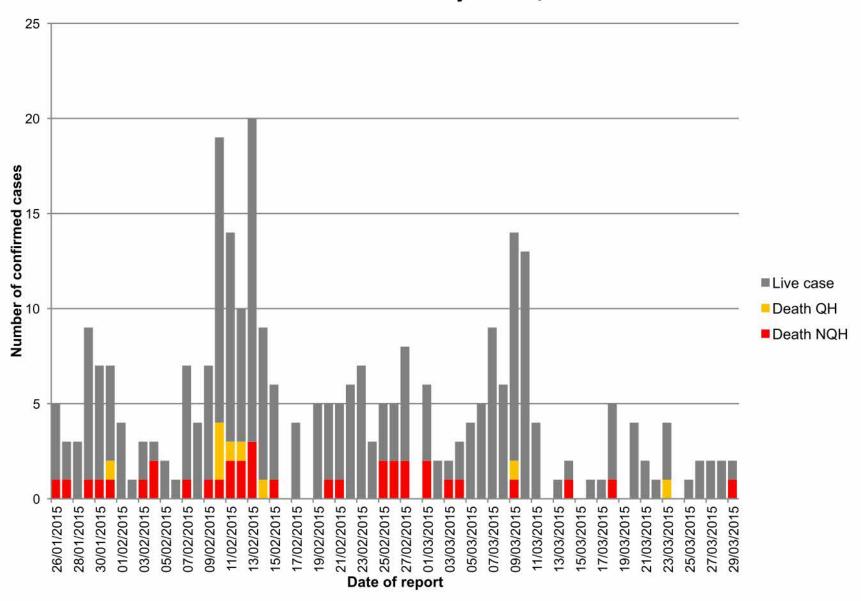
VHF Reports by Case Definition and Epi-Week of Onset – Western March 23, 2014 – March 31, 2015

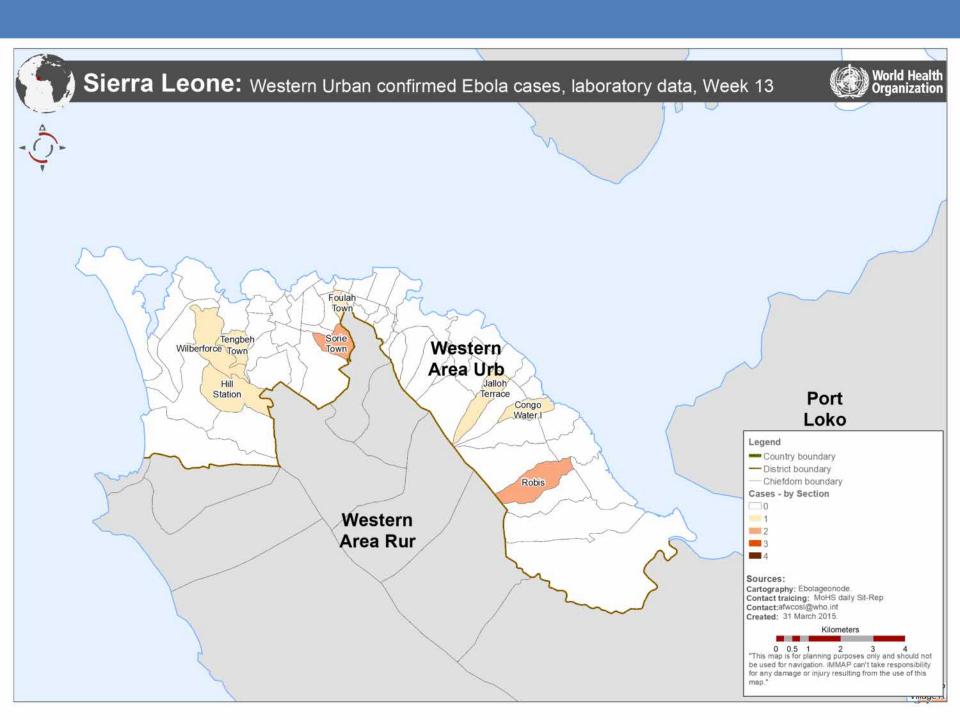


MoHS - reported lab results (by date of the lab report), Western Area, March 1 - March 31, 2015



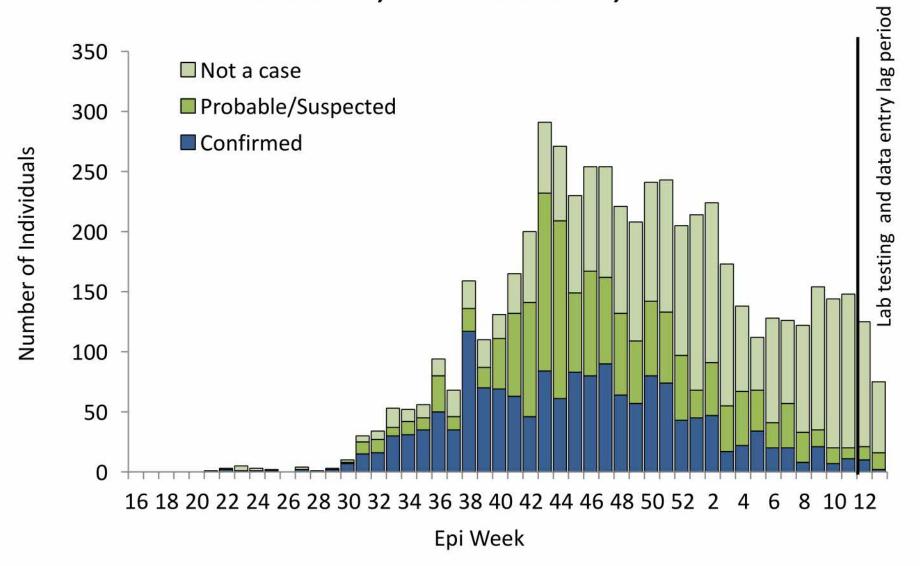
Number of Confirmed Cases by Date, Western Area



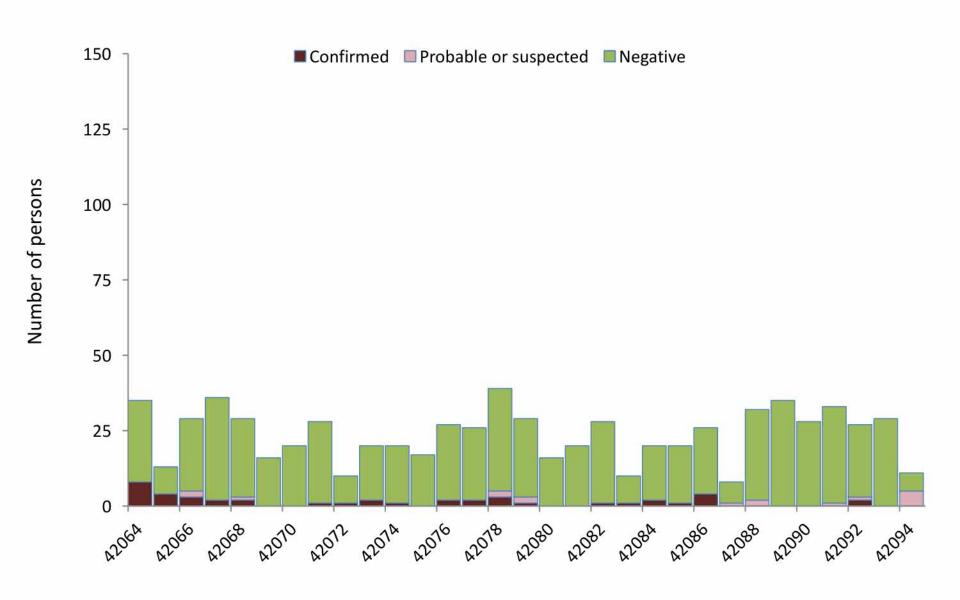


Port Loko District

VHF Reports by Case Definition and Epi-Week of Onset – Port Loko March 23, 2014 – March 31, 2015

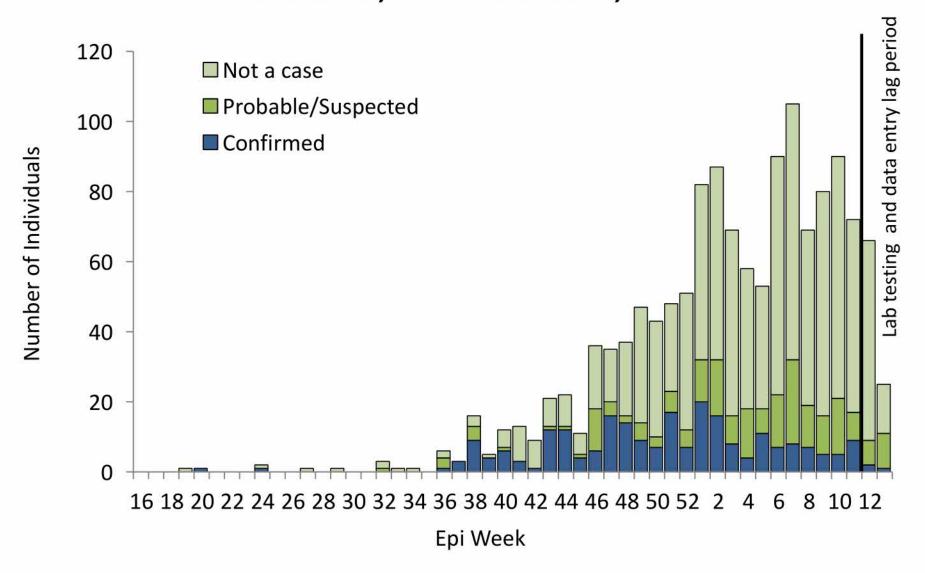


MoHS - reported lab results (by date of the lab report), Port Loko, March 1 – March 31, 2015



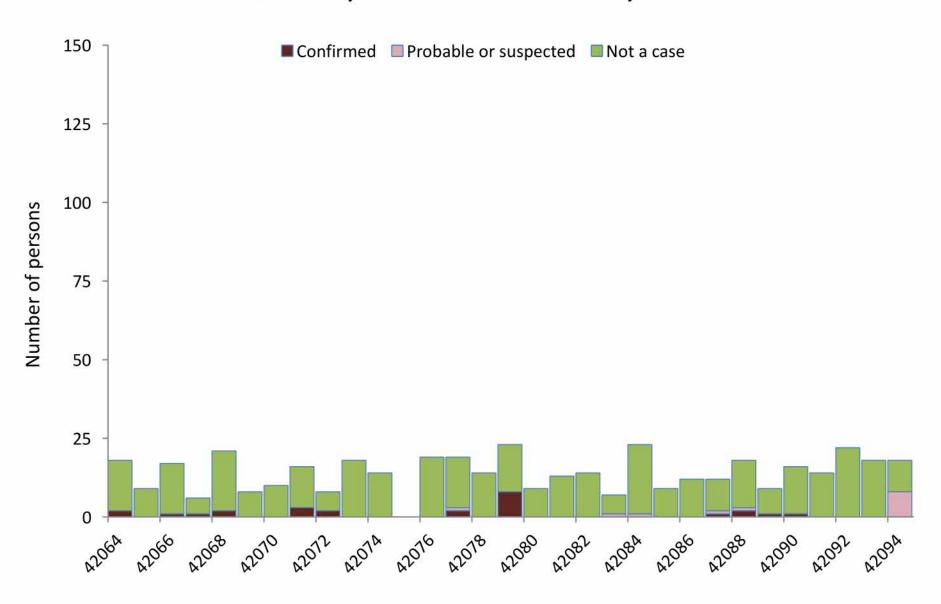
Kambia District

VHF Reports by Case Definition and Epi-Week of Onset – Kambia March 23, 2014 – March 31, 2015



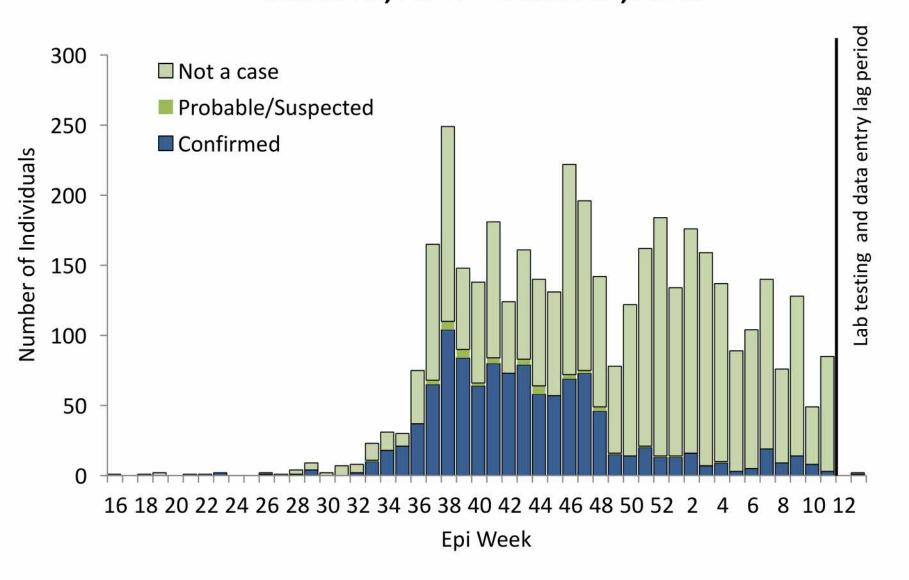
VHF sync file not submitted for epi week 13

MoHS - reported lab results (by case date of the lab report) Kambia, March 1 – March 31, 2015

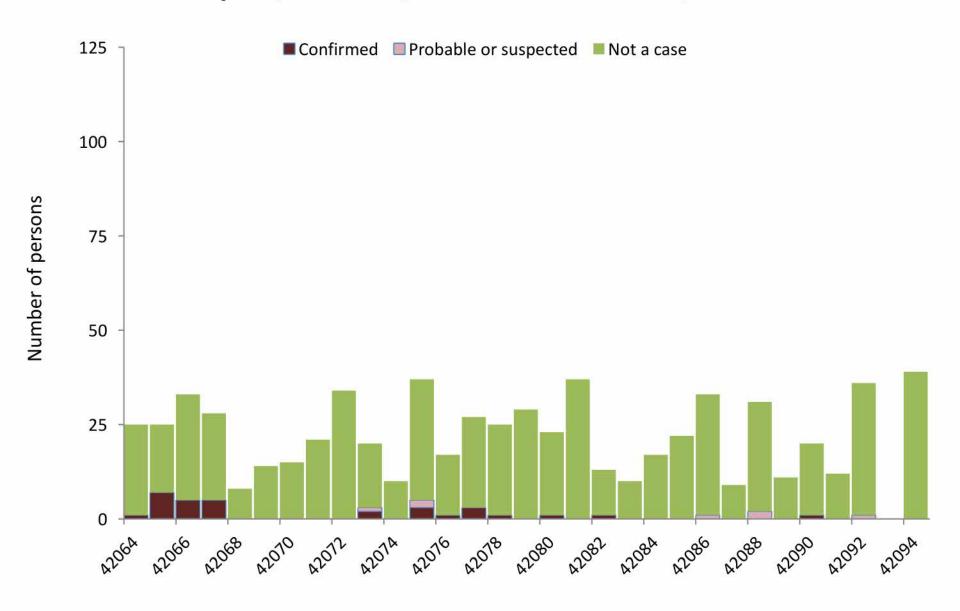


Bombali District

VHF Reports by Case Definition and Epi-Week of Onset – Bombali March 23, 2014 – March 31, 2015

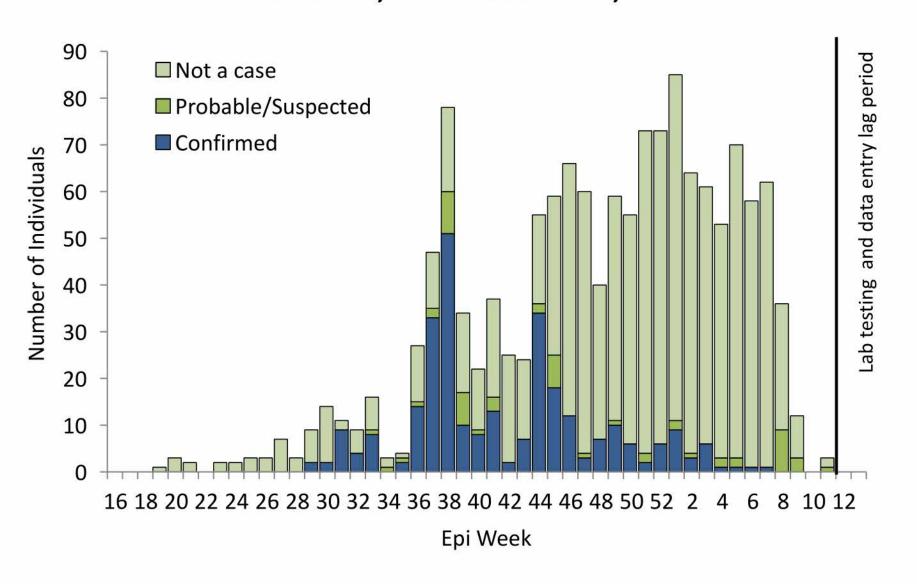


MoHS - reported lab results by case definition and date of the lab report, Bombali, March 1 – March 31, 2015



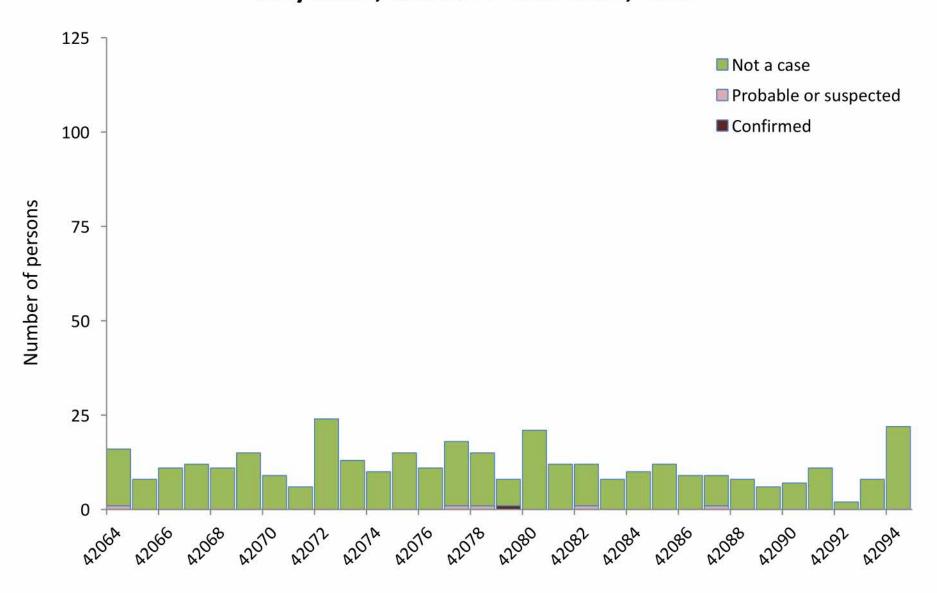
Moyamba District

VHF Reports by Case Definition and Epi-Week of Onset – Moyamba March 23, 2014 – March 31, 2015



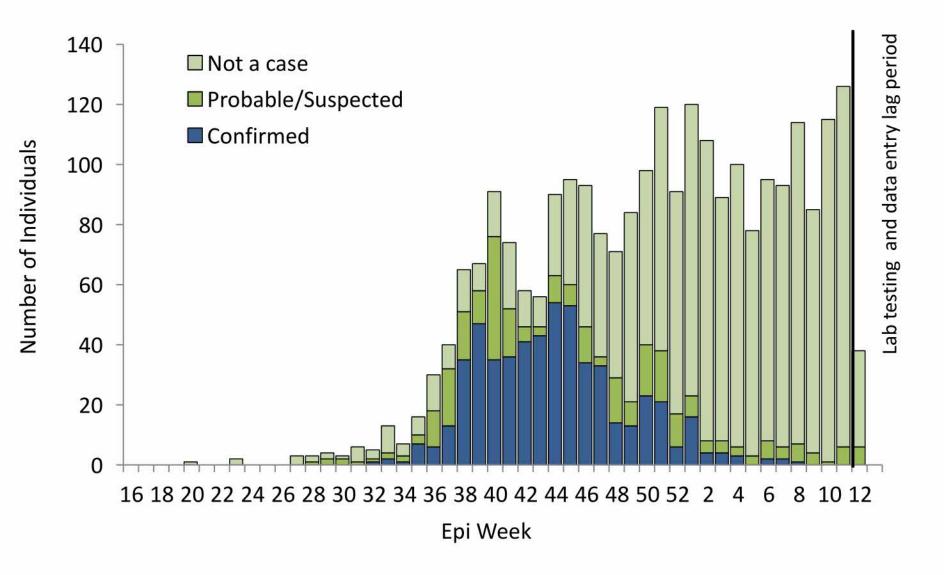
MoHS - reported lab results by case definition and date of the lab report,

Moyamba, March 1 - March 31, 2015



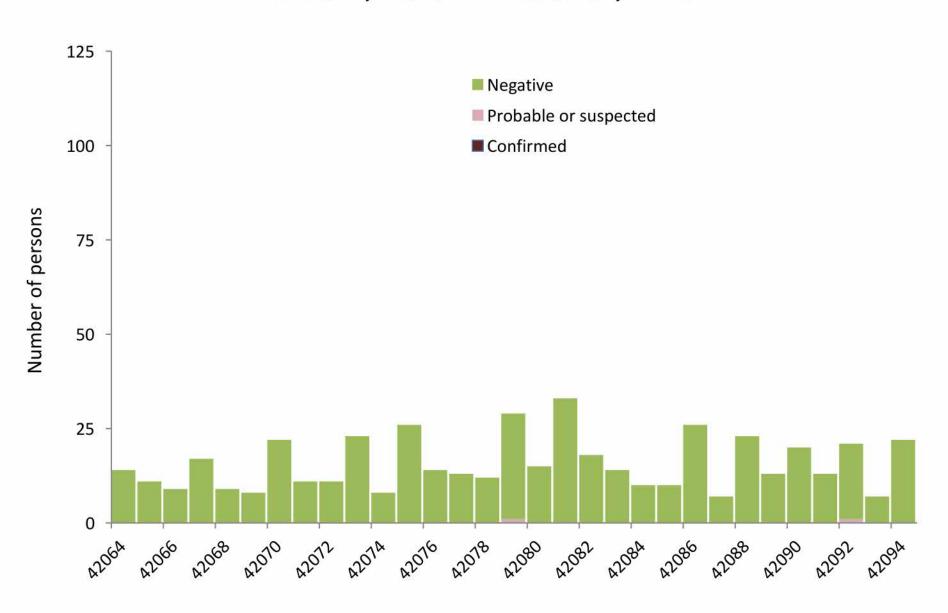
Tonkolili District

VHF Reports by Case Definition and Epi-Week of Onset – Tonkolili March 23, 2014 – March 31, 2015



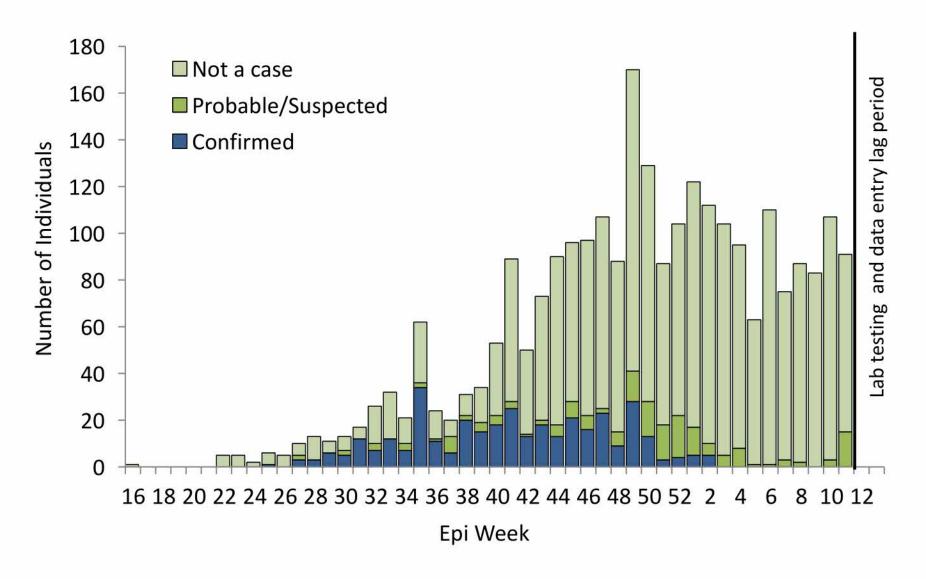
VHF sync file not submitted for epi week 13

MoHS - reported lab results (by date of the lab report), Tonkolili, March 1 - March 31, 2015



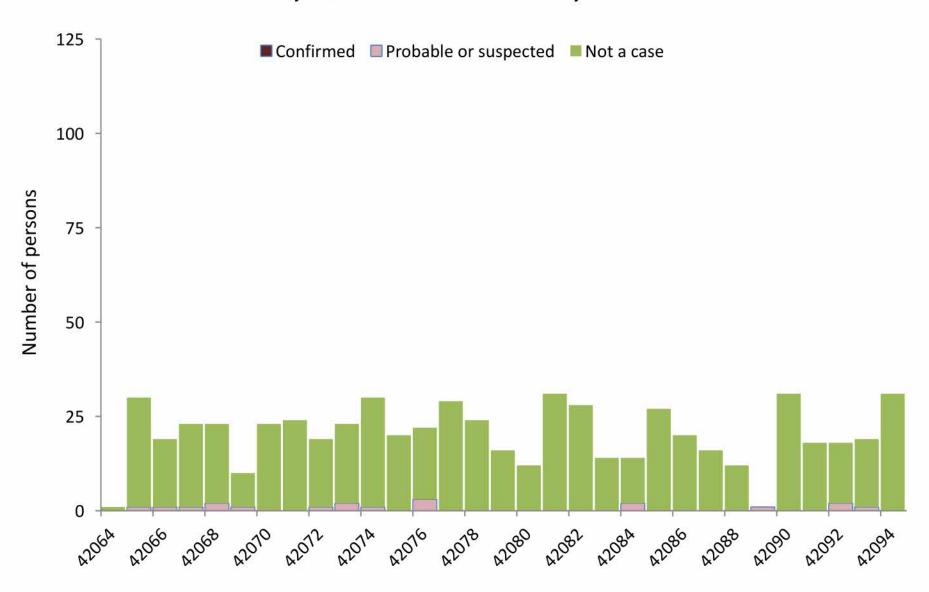
Bo District

VHF Reports by Case Definition and Epi-Week of Onset – Bo March 23, 2014 – March 31, 2015



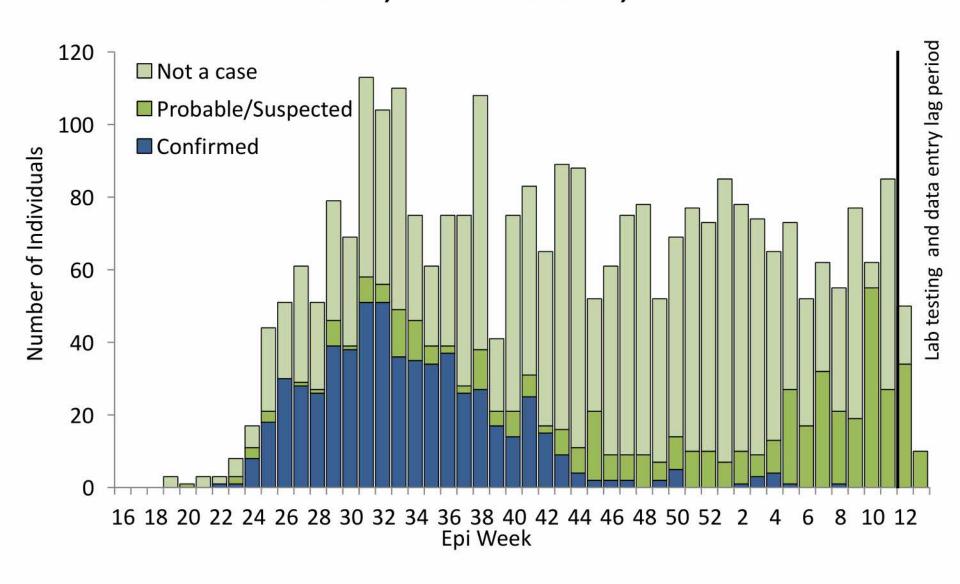
VHF sync file not submitted for epi week 13

MoHS - reported lab results (by date of the lab report), Bo, March 1 – March 31, 2015

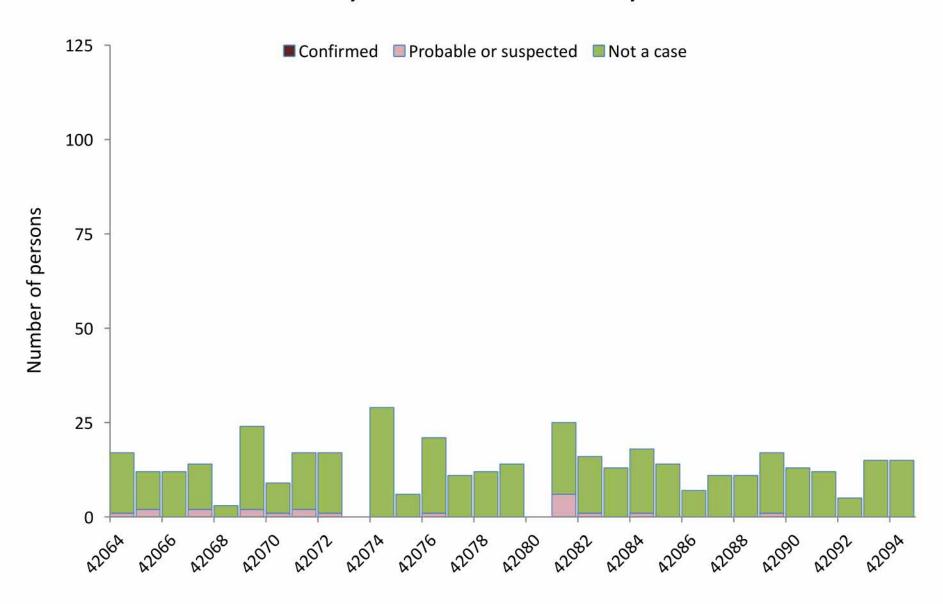


Kenema District

VHF Reports by Case Definition and Epi-Week of Onset – Kenema March 23, 2014 – March 31, 2015

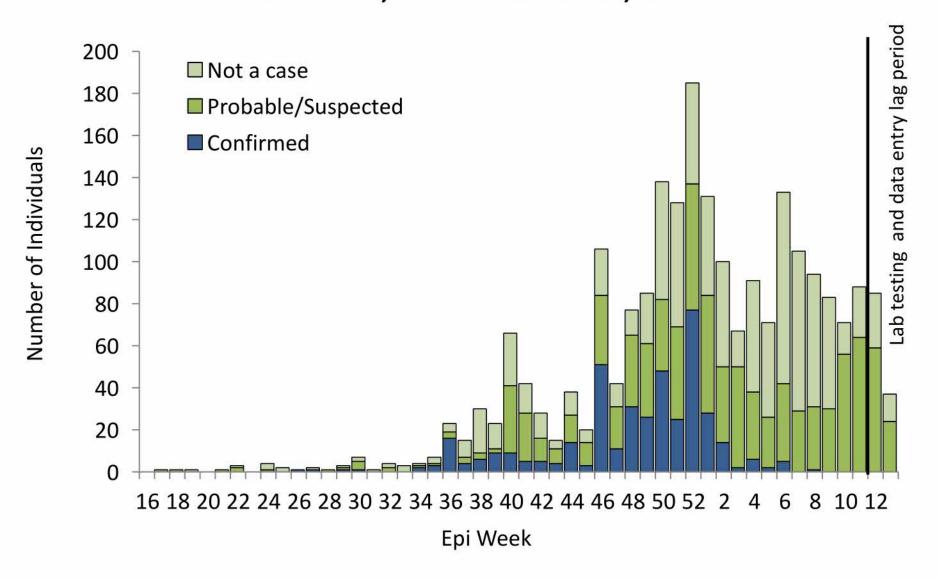


MoHS - reported lab results (by date of the lab report), Kenema, March 1 – March 31, 2015

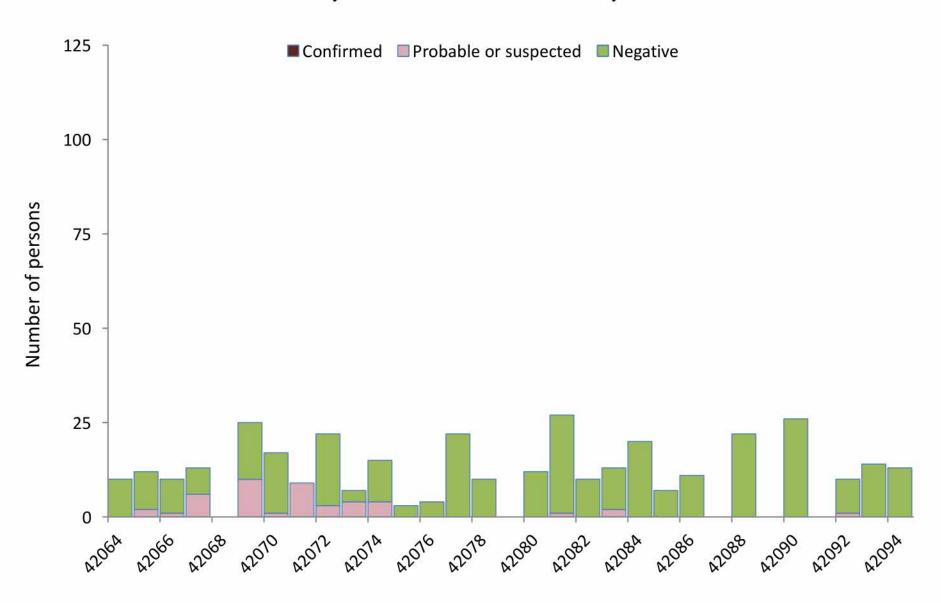


Kono District

VHF Reports by Case Definition and Epi-Week of Onset – Kono March 23, 201 4 – March 31, 2015



MoHS - reported lab results (by date of the lab report), Kono, March 1 – March 31, 2015

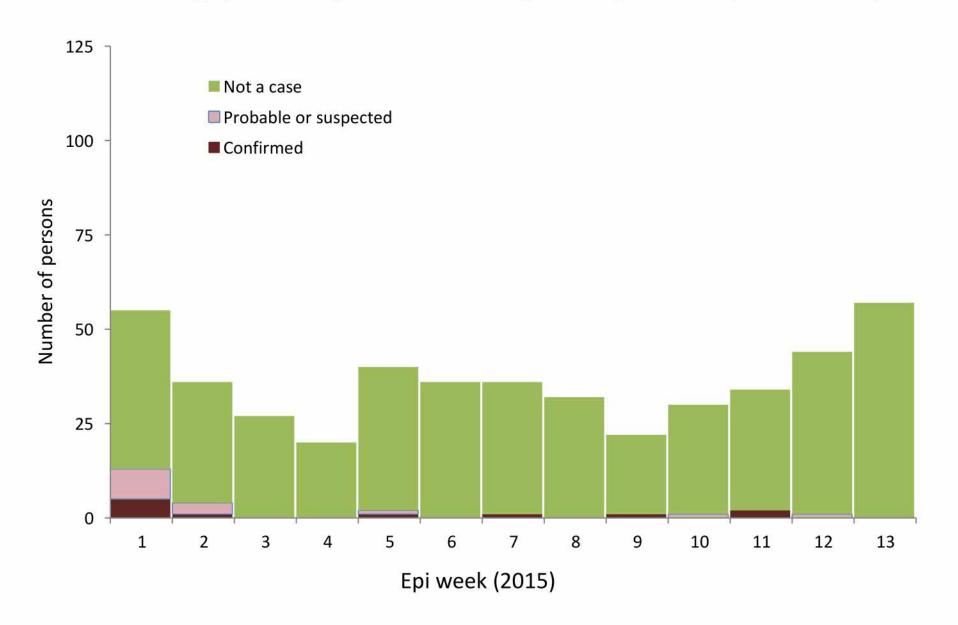


Koinadugu District

Note:

Last VHF data update: Jan 17, 2015. For this reason we are only reporting laboratory data from SitRep for current year.

MoHS - reported lab results (by date of lab report), Koinadugu, January 1 – March 29, 2015 (end of epi week 13)

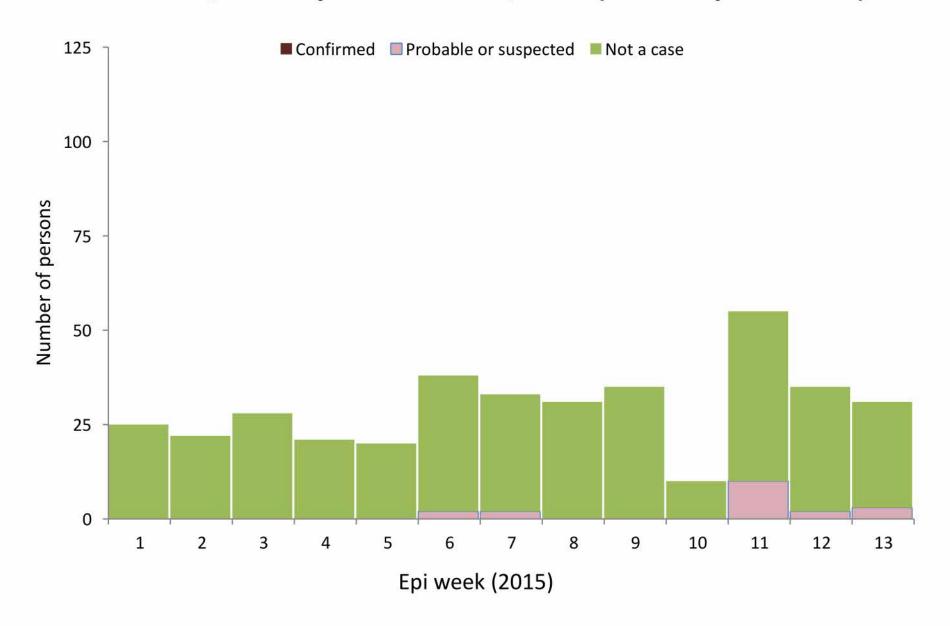


Kailahun District

Note:

Last VHF data update: March 17, 2015. For this reason we are only reporting laboratory data from SitRep for current year.

MoHS - reported lab results (by date of lab report), Kailahun, January 1 – March 29, 2015 (end of epi week 13)

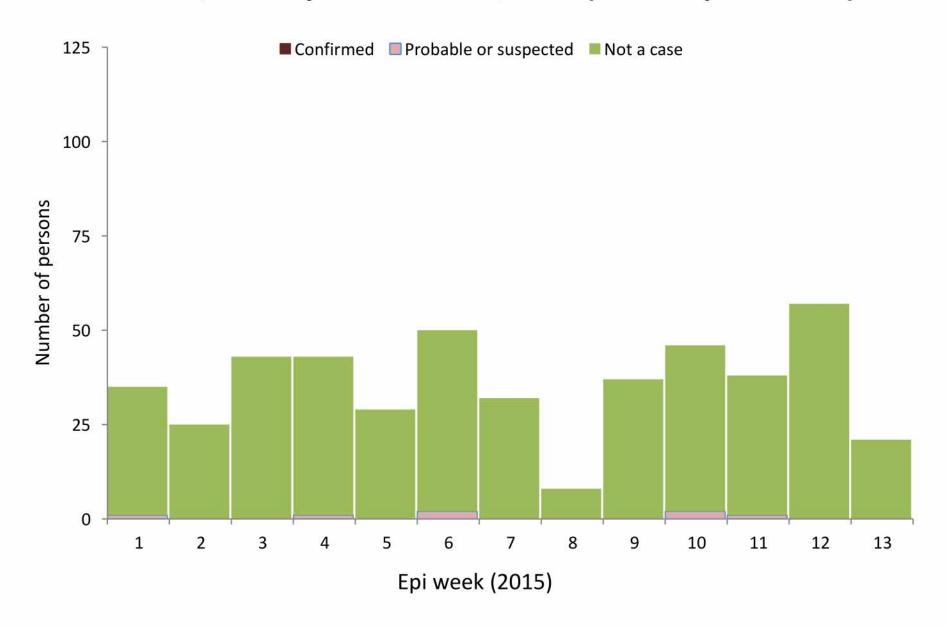


Bonthe District

Note:

Last VHF data update: March 17, 2015. For this reason we are only reporting laboratory data from SitRep for current year.

MoHS - reported lab results (by date of lab report), Bonthe, January 1 – March 29, 2015 (end of epi week 13)

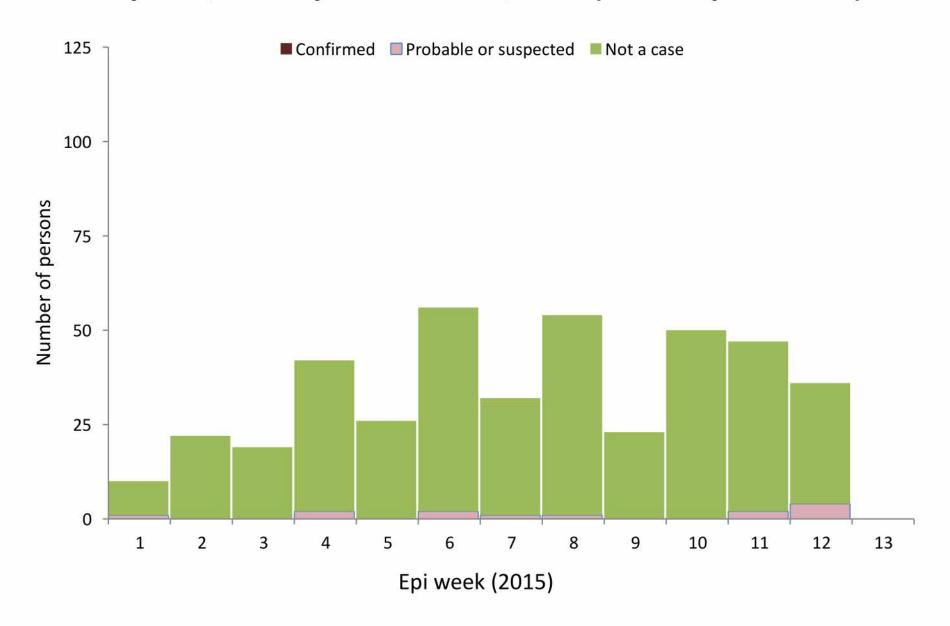


Pujehun District

Note:

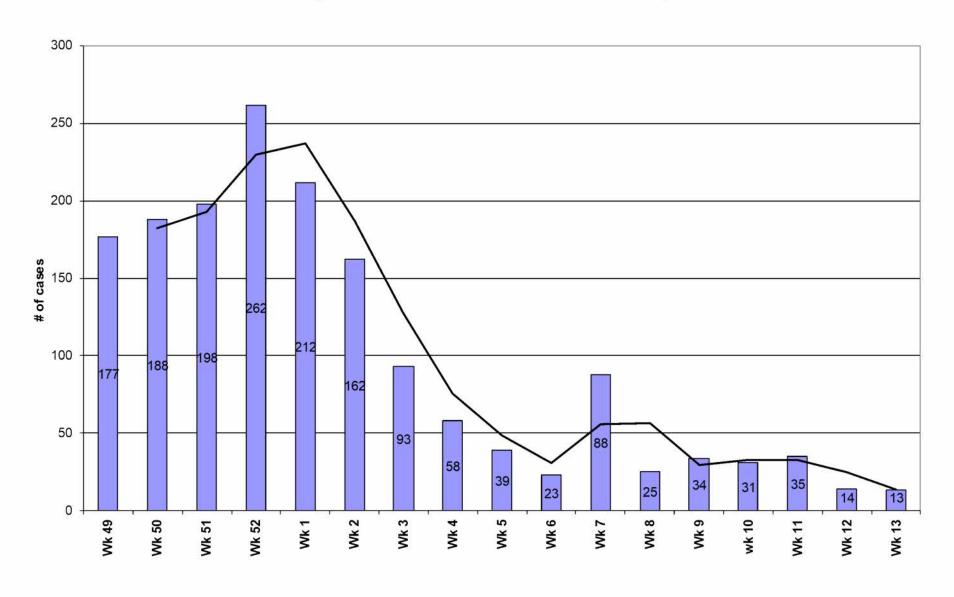
Last VHF data update: March 17, 2015. For this reason we are only reporting laboratory data from SitRep for current year. .

MoHS - reported lab results (by date of lab report), Pujehun, January 1 – March 29, 2015 (end of epi week 13)

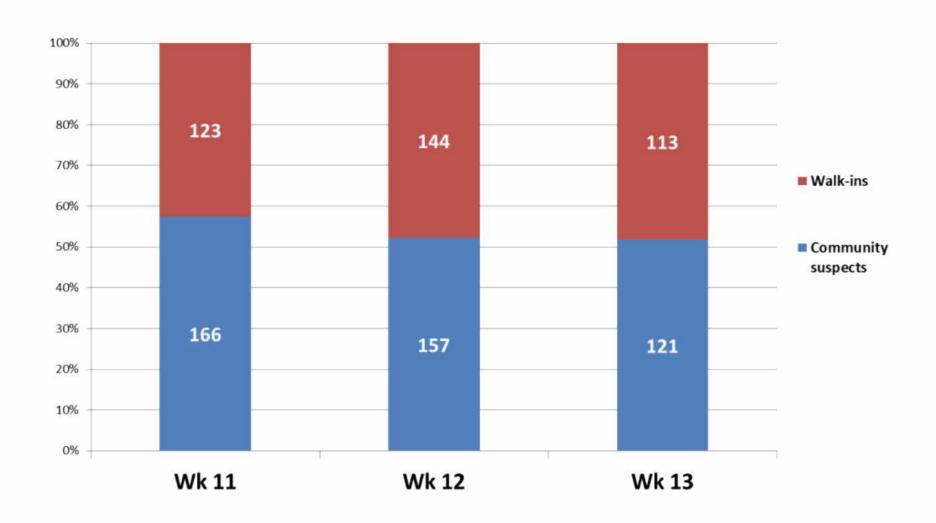


Surveillance Update Week 13

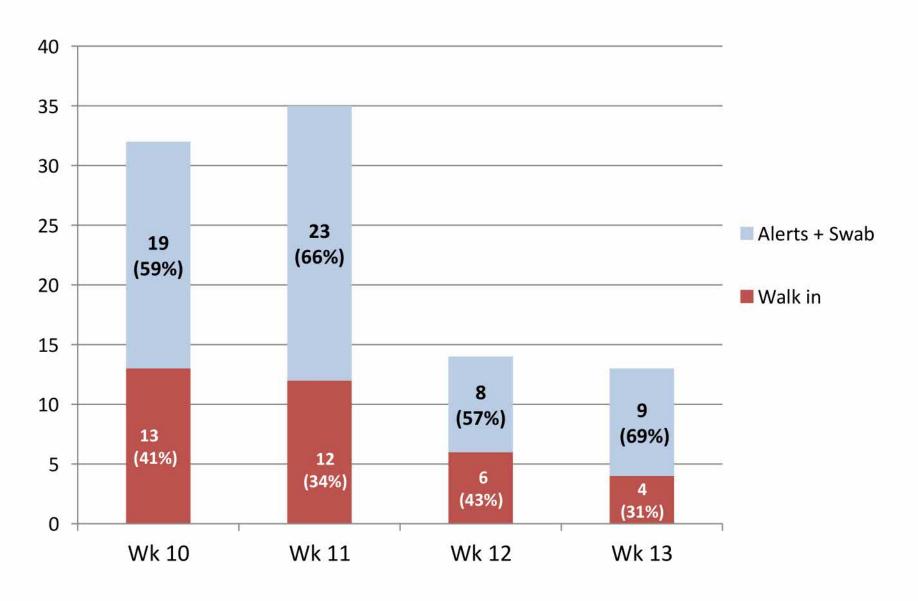
23rd -29th March 2015



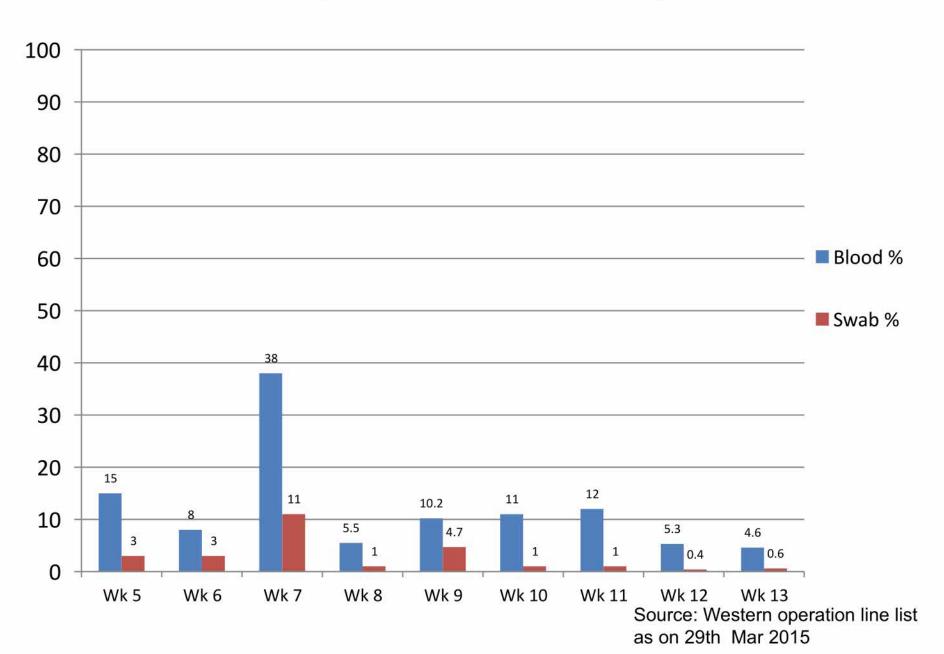
Suspected cases source



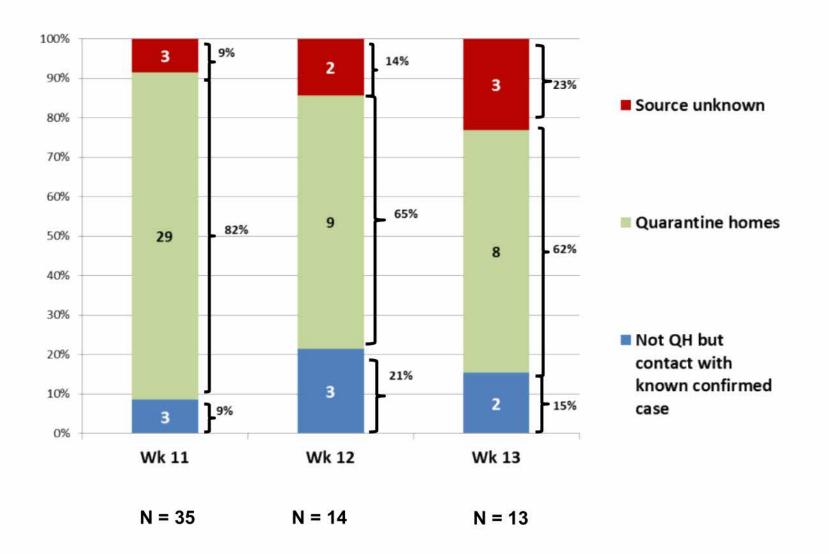
No. of Confirmed EVD cases according to types of alert



Proportion of Positivity

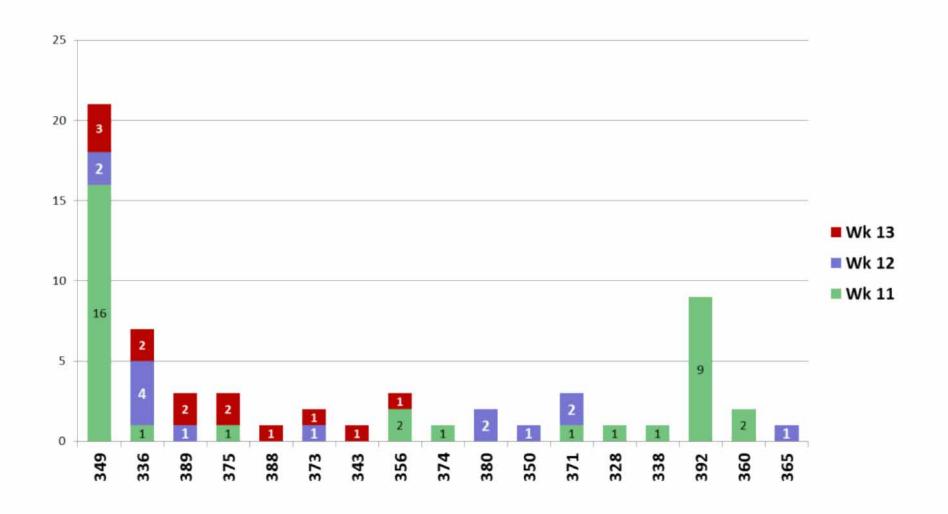


Source of confirmed EVD cases



Source: Western operation line list as on 30rd Mar 2015

Weekly hotspot of Western area



CRITICAL ISSUES

- Cross border transmission
- High risk contact monitoring
- Still birth swab collection
- Community Deaths
- Herbalist Infection

THANK YOU