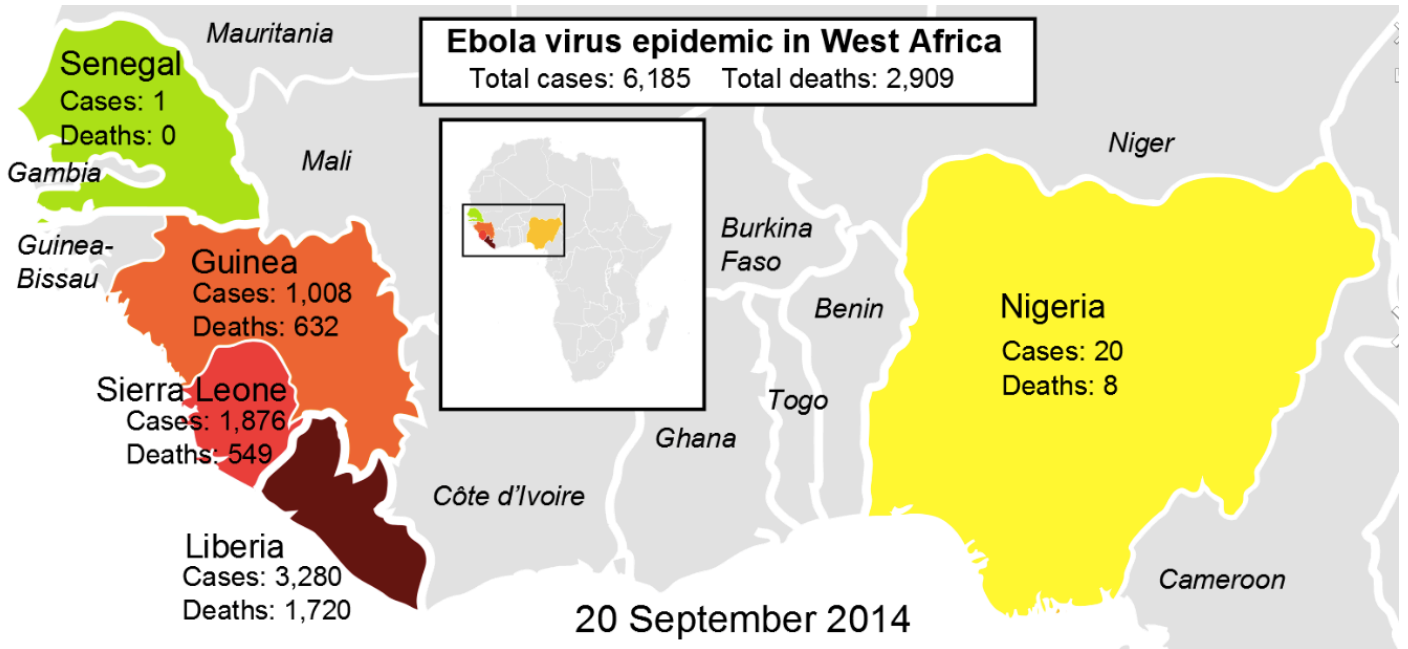


Spread of Ebola - updated



Map created by **Mikael Häggström** and published in Wikipedia

Since February 2014, West Africa has experienced the emergence and spread of the Ebola virus. At present there is no known treatment and a high percentage of infected patients die. At first the seriousness of the infection that was being experienced in Guinea, West Africa wasn't appreciated. People who had died of the disease were transported freely to their home regions and infected people were cared for without proper caretaker protection.

WHO (The World Health Organization) is the coordinating authority for health within the United Nations' system. It is responsible for providing guidance and tracking data about global health matters.

We've collected some of the data from the WHO system to help you be able to make some analysis about how the spread of this terrible disease has progressed. These numbers represent confirmed and unconfirmed cases of Ebola.

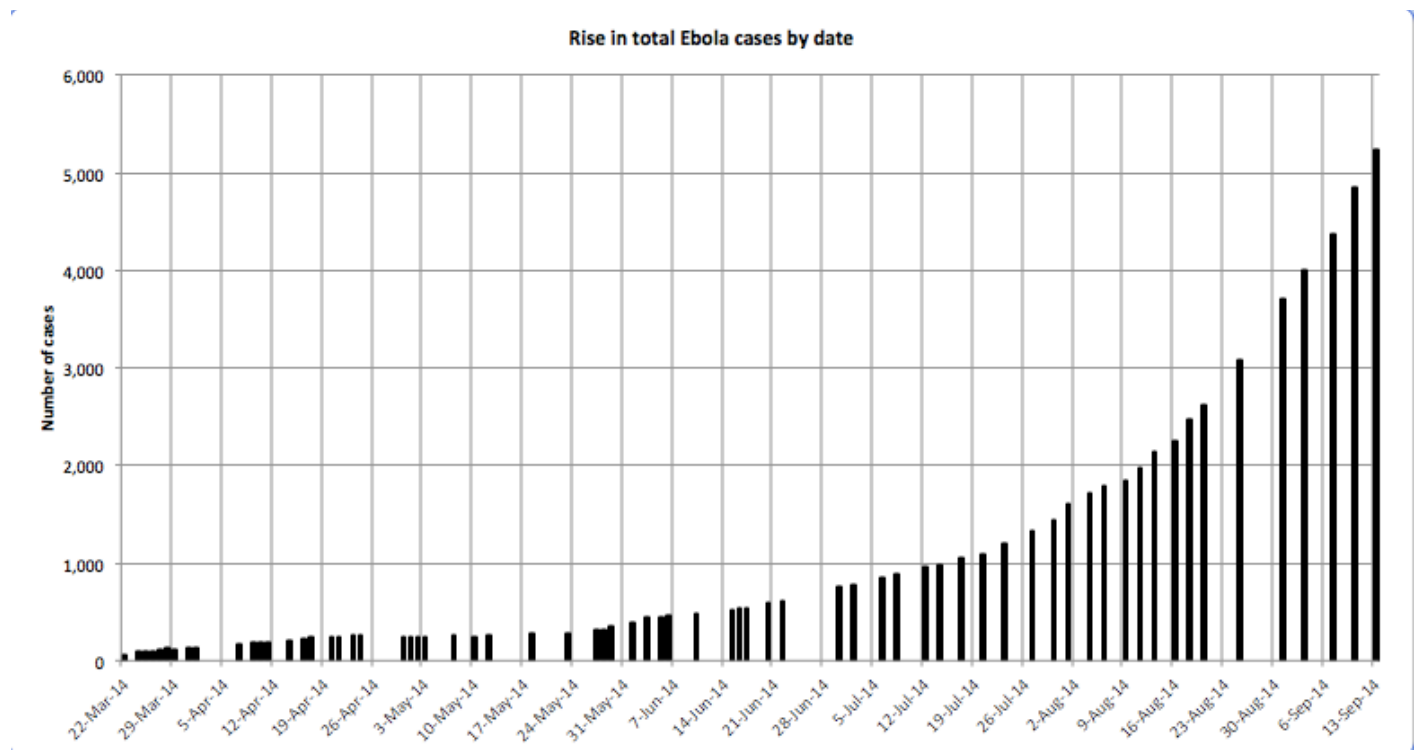
Date	Totals		Guinea		Liberia		Sierra Leone		Nigeria		Senegal	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
20 Sep 14	6,185	2,909	1,008	632	3,280	1,720	1,876	549	20	8	1	0
17-Sep-14	5,762	2,746	965	623	3,022	1,578	1,753	537	21	8	1	0
13-Sep-14	5,232	2,538	936	595	2,671	1,424	1,603	511	21	8	1	0
10-Sep-14	4,846	2,375	899	568	2,415	1,307	1,509	493	22	8	3	0
7-Sep-14	4,366	2,177	861	557	2,081	1,137	1,424	476	22	7	3	0
3-Sep-14	4,001	2,089	823	522	1,863	1,078	1,292	452	22	7	1	0
31-Aug-14	3,707	1,808	771	494	1,698	871	1,216	436	21	7	1	0
25-Aug-14	3,071	1,553	648	430	1,378	694	1,026	422	19	7		
20-Aug-14	2,615	1,427	607	406	1,082	624	910	392	16	5		
18-Aug-14	2,473	1,350	579	396	972	576	907	374	15	4		
16-Aug-14	2,240	1,229	543	394	834	466	848	365	15	4		
13-Aug-14	2,127	1,145	519	380	786	413	810	348	12	4		
11-Aug-14	1,975	1,069	510	377	670	355	783	334	12	3		
9-Aug-14	1,848	1,013	506	373	599	323	730	315	13	2		
6-Aug-14	1,779	961	495	367	554	294	717	298	13	2		

4-Aug-14	1,711	932	495	363	516	282	691	286	9	1		
1-Aug-14	1,603	887	485	358	468	255	646	273	4	1		
30-Jul-14	1,440	826	472	346	391	227	574	252	3	1		
27-Jul-14	1,323	729	460	339	329	156	533	233	1	1		
23-Jul-14	1,201	672	427	319	249	129	525	224				
20-Jul-14	1,093	660	415	314	224	127	454	219				
17-Jul-14	1,048	632	410	310	196	116	442	206				
14-Jul-14	982	613	411	310	174	106	397	197				
12-Jul-14	964	603	406	304	172	105	386	194				
8-Jul-14	888	539	409	309	142	88	337	142				
6-Jul-14	844	518	408	307	131	84	305	127				
2-Jul-14	779	481	412	305	115	75	252	101				
30-Jun-14	759	467	413	303	107	65	239	99				
22-Jun-14	599	338	—	—	51	34	—	—				
20-Jun-14	581	328	390	270	—	—	158	—				
17-Jun-14	528	337	—	—	—	—	97	49				
16-Jun-14	526	334	398	264	33	24	—	—				
15-Jun-14	522	333	394	263	33	24	95	46				
10-Jun-14	474	252	372	236	—	—	—	—				
6-Jun-14	453	245	—	—	—	—	89	7				
5-Jun-14	445	244	351	226	—	—	—	—				
5-Jun-14	438	233	—	—	—	—	81	—				
3-Jun-14	436	233	344	215	—	—	—	—				
1-Jun-14	383	211	328	208	—	—	79	6				
29-May-14	354	211	—	—	—	—	—	—				
28-May-14	319	209	291	193	—	—	—	—				
27-May-14	309	202	281	186	—	—	16	5				
23-May-14	270	185	258	174	—	—	—	—				
18-May-14	265	187	253	176	—	—	—	—				
12-May-14	260	182	248	171	—	—	—	—				
10-May-14	245	168	233	157	12	11	—	—				
7-May-14	249	169	236	158	—	—	—	—				
3-May-14	244	166	231	155	—	—	0	0				
2-May-14	239	160	—	—	13	11	—	—				
1-May-14	237	158	226	149	—	—	—	—				
30-Apr-14	233	155	221	146	—	—	—	—				
24-Apr-14	253	152	—	—	35	—	—	—				
23-Apr-14	252	152	218	141	—	—	—	—				
21-Apr-14	242	147	—	—	34	11	—	—				
20-Apr-14	235	149	208	136	—	—	—	—				
17-Apr-14	230	142	203	129	27	13	—	—				
16-Apr-14	224	135	197	122	27	13	-1	—				
14-Apr-14	194	121	168	108	—	—	—	—				
11-Apr-14	184	114	—	—	26	13	—	—				
10-Apr-14	183	113	—	—	25	12	—	—				
9-Apr-14	179	111	158	101	—	—	—	—				

7-Apr-14	172	105	151	95	21	10	—					
1-Apr-14	135	88	127	83	8	5						
31-Mar-14	130	82	122	80	8	2	—	—				
29-Mar-14	114	71	—	—	2	1						
28-Mar-14	120	76	112	70	—	—	-2	-2				
27-Mar-14	111	72	103	66	8	6	-6	-5				
26-Mar-14	86	62	86	62								
25-Mar-14	86	60	86	60								
24-Mar-14	86	59	86	59								
22-Mar-14	49	29	49	29								

http://en.wikipedia.org/wiki/Ebola_virus_epidemic_in_West_Africa#Timeline

There is a lot of information in this spread sheet. It seems hard to me to view the information and come to any conclusions. I did create one graph that followed the case numbers reported totally each week since March.



1. Try to make 3 observations from this graphic and be ready to discuss them in class.
2. You will be supplied with all of this data in an Excel spread sheet. List 4 comparisons, graphs, or calculations that you will plan to make with this data.

Working with a partner, use our data to come to some conclusions. Besides your own choice of observations please also answer these questions.

3. Have the percentages of fatalities changed since the beginning of this outbreak. Give some examples.

4. Does the rate of spread seem to be steady, increasing, or decreasing? Give some examples.

5. Do some countries seem to be handling this devastation more successfully than other? Give examples and hypothesize why that might be so.

6. Answer your own 4 questions and create a graph that demonstrates at least one of your observations.

Source: http://en.wikipedia.org/wiki/Ebola_virus_epidemic_in_West_Africa_-_Timeline