

#### Ebola Update: 4 November 2014

- In a speech in Benin yesterday, World Health Organization (WHO) director Dr. Margaret Chan denounced the pharmaceutical industry, saying the industry's profit-seeking motives are the reason no vaccine for Ebola has been found. She reproached the lack of effective public health systems in Sierra Leone, Guinea and Liberia.
- The Africa Governance Initiative (AGI) has found that in rural parts of Sierra Leone Ebola is spreading nine times faster than it was two months ago. Near the capital of Freetown the rate of new cases reported is six times higher than two months ago. This is in contrast to Liberia, where data shows the rate of cases spreading has slowed recently.
- The first inhalable Ebola treatment is proving highly effective in animal studies. A team at the University of Texas confirmed that a respiratory vaccine is showing long-term protection in non-human primates against the virus. The benefits of a breathable vaccine are numerous; storing, transport and administration of injectable vaccines create a sea of logistical problems for drug makers. The respiratory formula has been in development for seven years and is found to improve survival rates of non-human primates from 67% to 100% when in contact with Ebola 150 days after the vaccine has been administered.
- The government of Senegal helped contain the spread of Ebola in part through a successful SMS warning message campaign. The mobile phone message system was originally developed to help people manage diabetes but was key in educating citizens when the first and only case of Ebola was confirmed on August 29th.

#### Clinics and Facilities Status in Affected Areas

Healix is in direct communication with those medical facilities that are still operating in the impacted regions. Please contact Healix directly for further information on the readiness of medical facilities in these areas.

#### Country Travel Advice Status

Sierra Leone: Warning Level 3 - Healix Recommend "Avoid Non-Essential Travel"  
 Guinea: Warning Level 3 - Healix Recommend "Avoid Non-Essential Travel"  
 Liberia: Warning Level 3 - Healix Recommend "Avoid Non-Essential Travel"  
 DRC: Alert Level 2 - Healix Recommend "Practice Enhanced Precautions"  
 Nigeria: Alert Level 1 - Healix Recommend "Practice Usual Precautions"

#### Other African Nations Unaffected by Ebola

Healix recommend that travelers take usual precautions with vaccinations and travel arrangements but should be familiar with [Ebola Precautions if Traveling to Africa](#).

Ebola Infection Table by Country (based on WHO and CDC reporting, updated as of 31 October):

Country	Suspected and Confirmed Case Count	Suspected and Confirmed Deaths	Laboratory Confirmed Case Count
Sierra Leone	5338	1510	3778
Liberia	6535	2413	2515
Guinea	1667	1018	1409
Nigeria	20	8	19
Spain	1	0	1
United States	4	1	4
Senegal	1	0	1
Spain*	2	2	2
United States*	5	0	5
Saudi Arabia*	0	1	0
Germany*	3	2	3
United Kingdom*	1	0	1
France*	2	0	2
Norway*	1	0	1
Mali*	1	1	1
DRC**	68	49	38
<b>Total</b>	<b>13,649</b>	<b>5,005</b>	<b>7,780</b>

\*Persons repatriated to these countries from affected countries

\*\*The Democratic Republic of Congo (DRC) outbreak is unrelated to the epidemic in West Africa