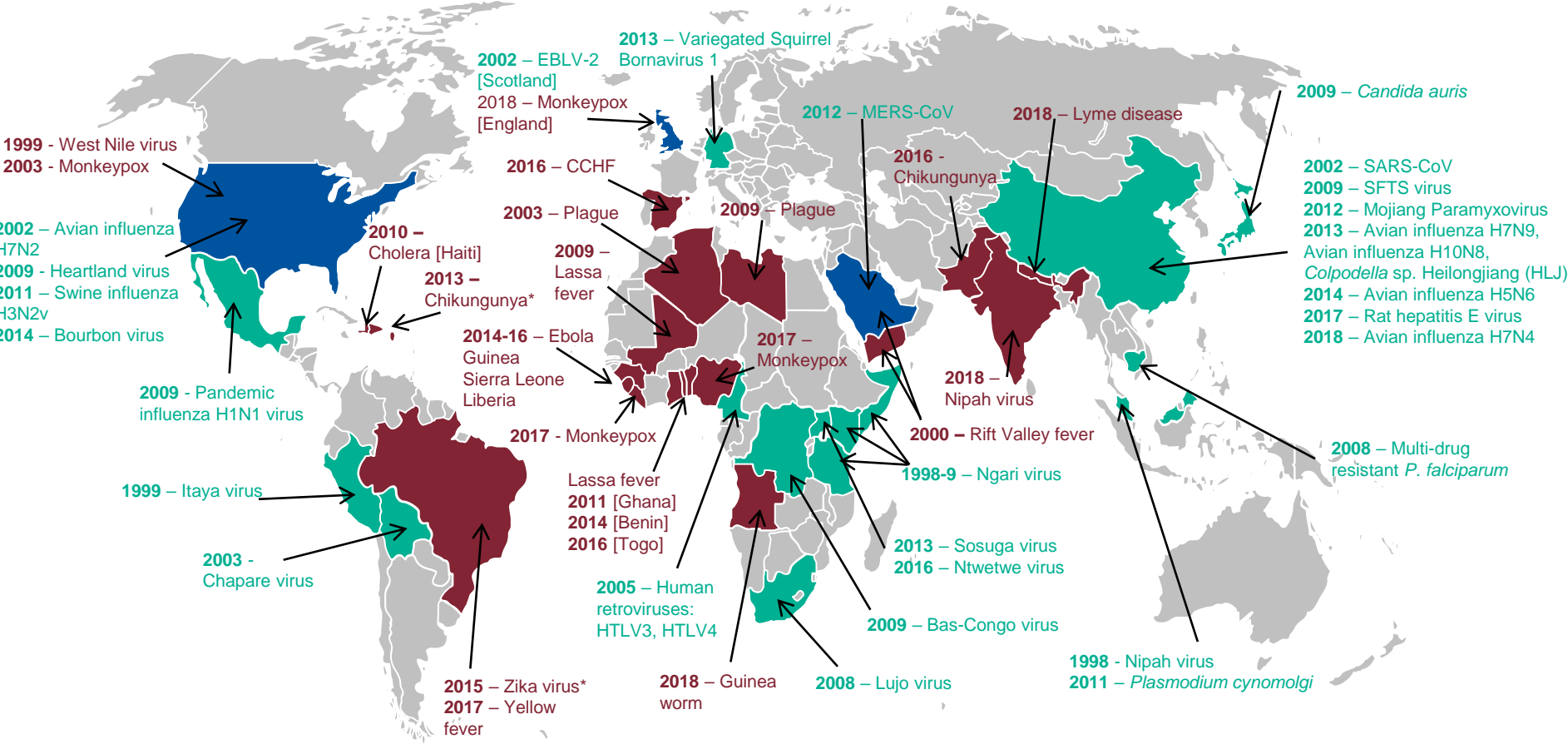


Global map of significant and new emerging infections in humans: spread to new areas since 1998



1999 - West Nile virus
 2003 - Monkeypox
 2002 - Avian influenza H7N2
 2009 - Heartland virus
 2011 - Swine influenza H3N2v
 2014 - Bourbon virus

2009 - Pandemic influenza H1N1 virus

1999 - Itaya virus

2003 - Chapare virus

2002 - EBLV-2 [Scotland]
 2018 - Monkeypox [England]

2016 - CCHF

2003 - Plague

2009 - Lassa fever
 2013 - Chikungunya*

2014-16 - Ebola
 Guinea
 Sierra Leone
 Liberia

2017 - Monkeypox

Lassa fever
 2011 [Ghana]
 2014 [Benin]
 2016 [Togo]

2005 - Human retroviruses: HTLV3, HTLV4

2015 - Zika virus*
 2017 - Yellow fever

2018 - Guinea worm

2013 - Variegated Squirrel Bornavirus 1

2012 - MERS-CoV

2016 - Chikungunya

2009 - Plague

2017 - Monkeypox

2000 - Rift Valley fever

1998-9 - Ngari virus

2013 - Sosuga virus
 2016 - Ntvetwe virus

2009 - Bas-Congo virus

2008 - Lujo virus

2018 - Lyme disease

2009 - *Candida auris*

2002 - SARS-CoV
 2009 - SFTS virus
 2012 - Mojiang Paramyxovirus
 2013 - Avian influenza H7N9, Avian influenza H10N8, *Colpodella* sp. Heilongjiang (HLJ)
 2014 - Avian influenza H5N6
 2017 - Rat hepatitis E virus
 2018 - Avian influenza H7N4

2008 - Multi-drug resistant *P. falciparum*

1998 - Nipah virus
 2011 - *Plasmodium cynomolgi*

Newly identified emerging infection
 Disease spread to new area
 Emerging infection and disease spread

*Incursion followed by regional spread