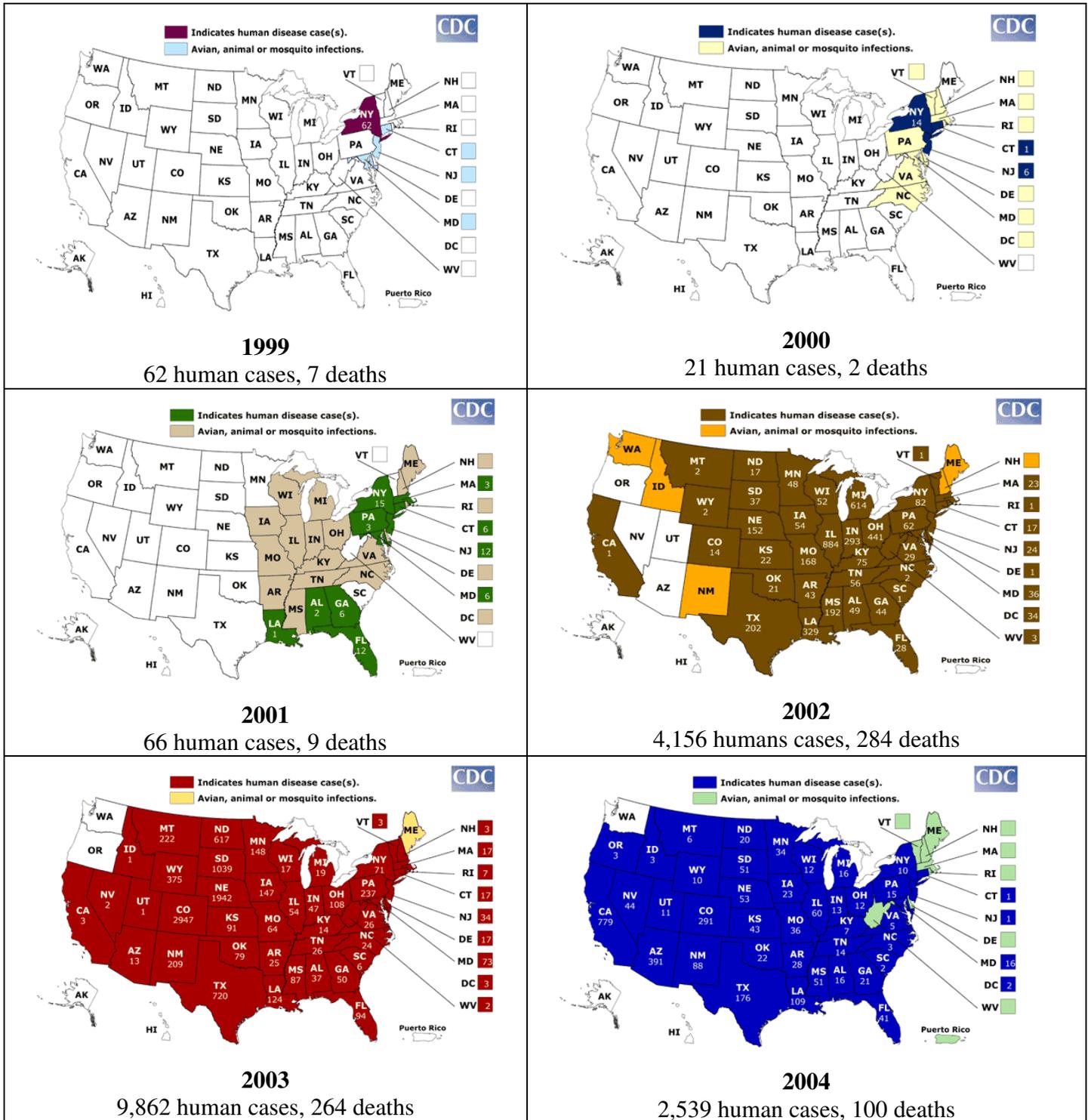
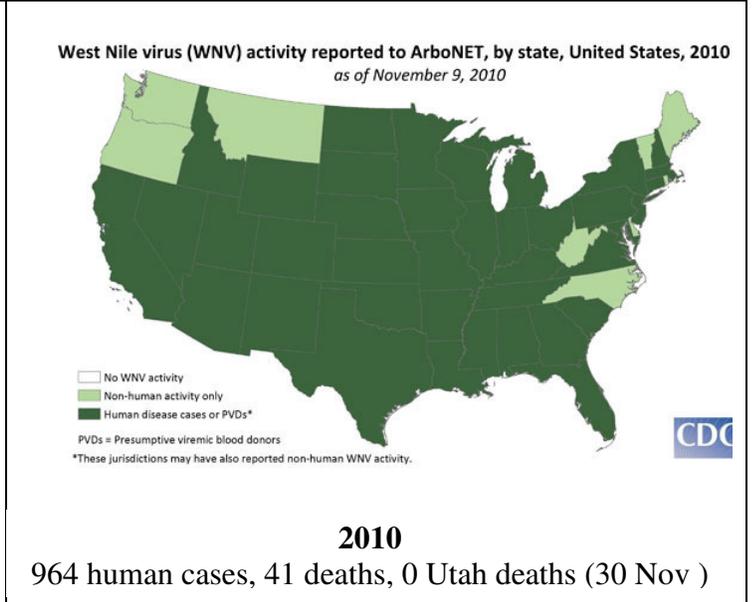
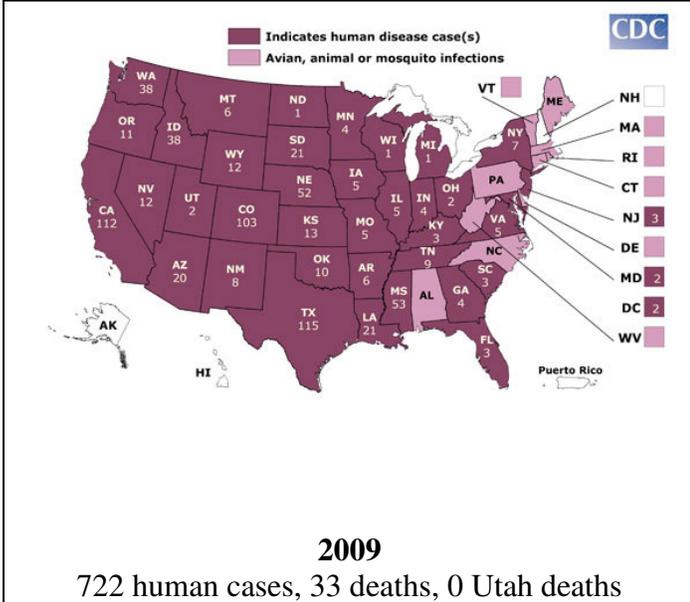
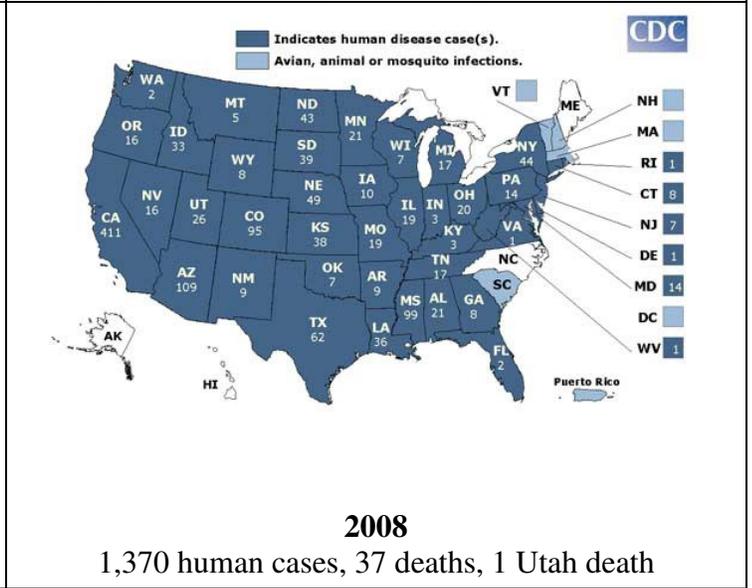
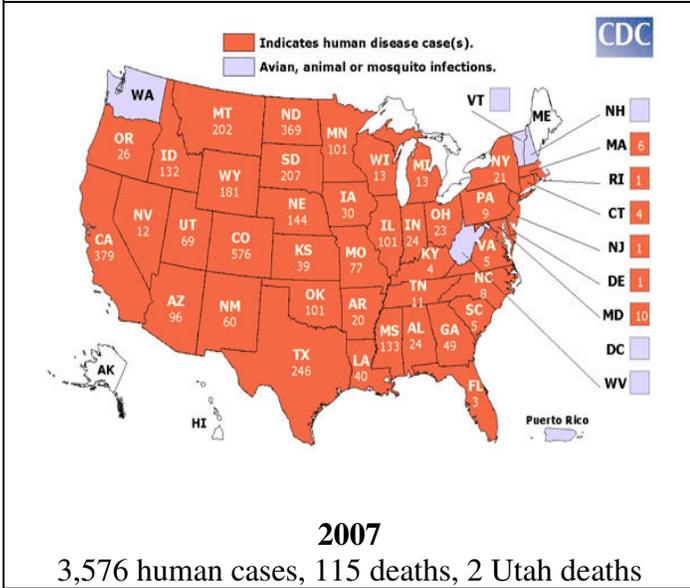
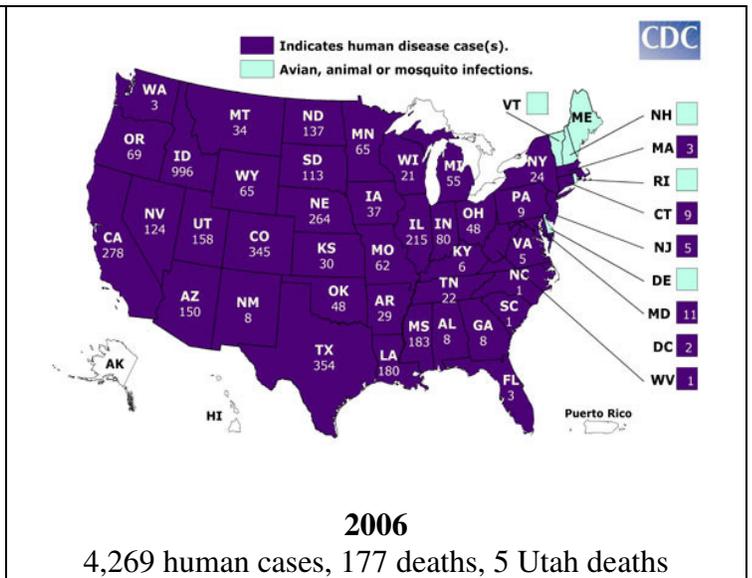
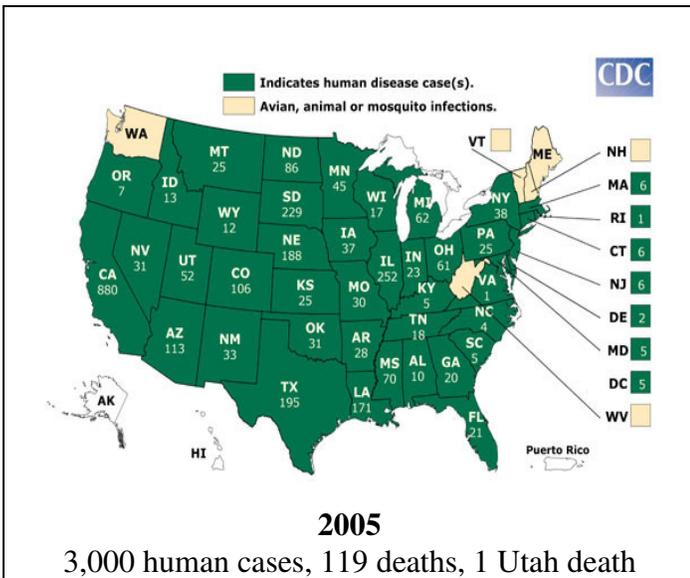
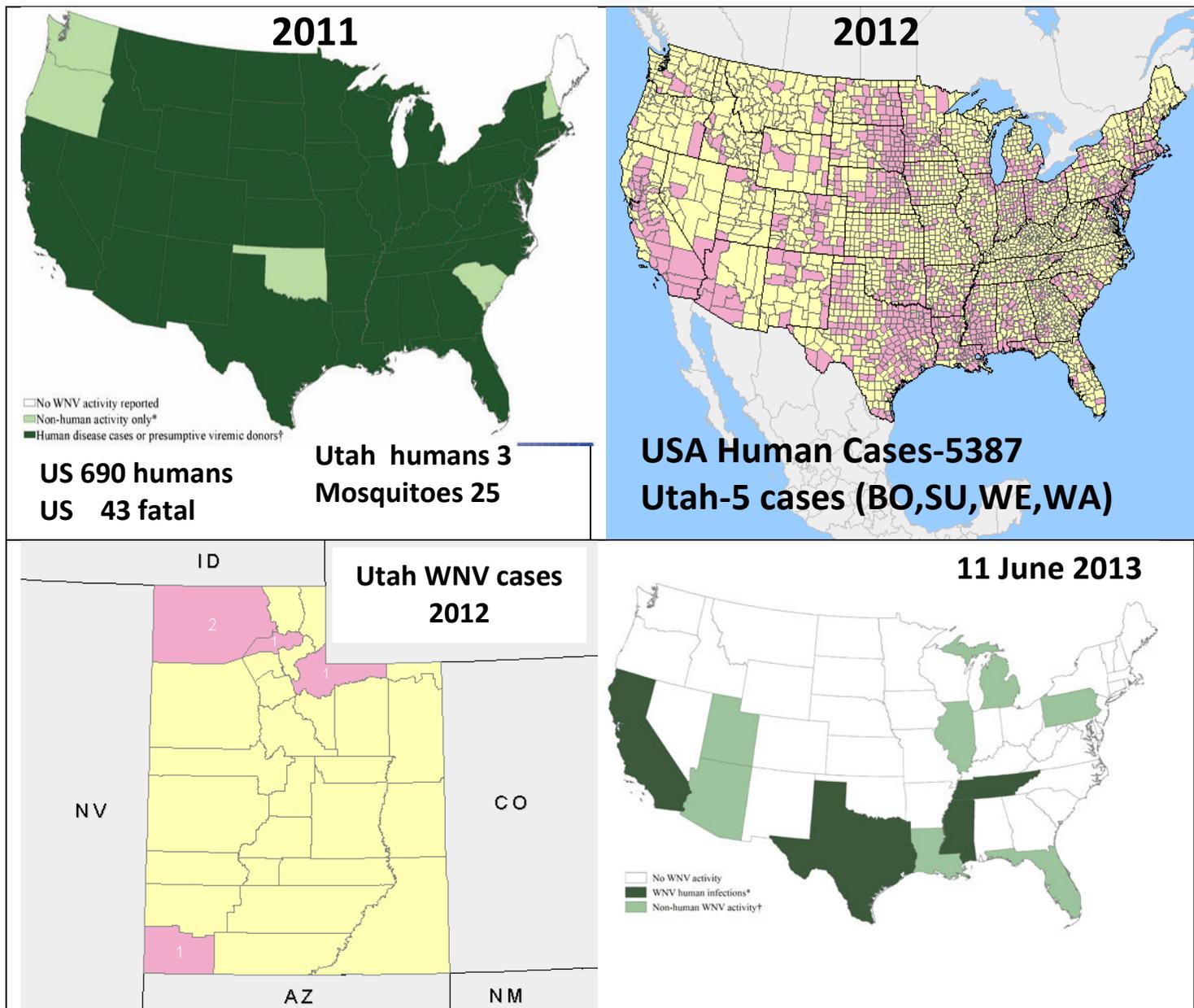


Human Cases of West Nile Virus

WNV arrived to the U.S. in 1999, first detected in NY. It has made a dramatic sweep to the west coast affecting all contiguous states. The Center for Disease Control (CDC) has mapped the spread of reported human cases. Utah first reported WNV cases during 2003, and Utah County in 2005.







The past two years have been low in precipitation in Utah. Irrigation water has been limited by many ditch companies. Permanent water mosquitoes have been the most prevalent in our traps. These species, *Culex pipiens*, *Culex erythrothorax* and *Culex tarsalis* are all potential vectors of West Nile Virus and in 2012 made up 97% of our trapped mosquitoes.

The spring of 2013 began cold and is now heating up. Earliest signs of WNV first have been detected in Washington County in late May. Efforts to for mosquito control are in full operation in the county with field surveillance, trapping, ULV fogging and limited air spray.

WNV Historical Data (CDC)

Year	USA Total Cases	USA Fatal Cases	Utah Total Cases	Utah Fatal cases	Utah County Total Cases
1999	62	7			
2000	21	2			
2001	66	10			
2002	4156	284			
2003	9862	264	1	0	
2004	2539	100	11	0	1
2005	3000	119	52	1	16
2006	4269	177	158	5	66
2007	3630	124	70	2	2
2008	1356	44	27	0	1
2009	720	32	2	0	0
2010	1021	57	2	0	0
2011	712	43	3	0	0
2012	5387	243	5	1	0