

The Human Ehrlichioses in the United States

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Appendix II: Probable and confirmed ehrlichiosis cases diagnosed by indirect immunofluorescence assay (IFA),
 Centers for Disease Control and Prevention, 1986 through 1997.

State	Human monocytic ehrlichiosis			Human granulocytic ehrlichiosis			Ehrlichial agent not determined ^a			Total cases
	Prob ^b	Conf ^c	Total	Prob ^b	Conf ^c	Total	Prob ^b	Conf ^c	Total	
Alabama	8	4	12	0	0	0	0	1	1	13
Alaska	2	0	2	0	0	0	0	0	0	2
Arizona	0	1	1	0	0	0	0	0	0	1
Arkansas	32	20	5	8	0	8	1	1	2	62
California	15	9	24	0	0	0	0	0	0	24
Colorado	6	1	7	0	0	0	0	0	0	7
Connecticut	9	4	13	0	1	1	0	0	0	14
Delaware	1	1	2	0	0	0	0	0	0	2
District of Columbia	4	8	12	0	0	0	1	0	1	13
Florida	15	7	22	0	1	1	2	1	3	26
Georgia	30	25	55	1	0	1	1	0	1	57
Hawaii	2	4	6	0	0	0	0	0	0	6
Idaho	3	0	3	1	0	1	0	0	0	4
Illinois	3	5	8	0	0	0	0	0	0	8
Indiana	9	0	9	0	0	0	0	0	0	9
Iowa	19	5	24	8	0	8	2	0	2	34
Kansas	1	2	3	0	0	0	0	0	0	3
Kentucky	5	2	7	0	0	0	0	0	0	7
Louisiana	5	2	7	0	0	0	0	0	0	7
Maine	2	1	3	0	0	0	0	0	0	3
Maryland	18	7	25	0	0	0	1	1	2	27
Massachusetts	10	3	13	5	1	6	1	1	2	21
Michigan	4	2	6	0	0	0	0	0	0	6
Minnesota	5	3	8	0	0	0	0	0	0	8
Mississippi	0	2	2	0	0	0	0	0	0	2
Missouri	61	84	145	0	1	1	2	2	4	150
Montana	2	0	2	1	0	1	0	0	0	3
Nebraska	17	1	18	1	0	1	0	1	1	20
Nevada	0	1	1	1	0	1	0	0	0	2
New Hampshire	1	0	1	0	0	0	0	0	0	1
New Jersey	4	9	13	1	0	1	0	0	0	14
New Mexico	1	0	1	0	0	0	0	0	0	1
New York	13	3	16	2	0	2	0	0	0	18
North Carolina	28	5	33	0	0	0	1	1	2	35

North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	4	0	4	0	0	0	0	0	0	4
Oklahoma	4	7	11	3	0	3	0	1	1	15
Oregon	0	1	1	0	0	0	0	0	0	1
Pennsylvania	2	6	8	0	0	0	0	0	0	8
Rhode Island	2	0	2	0	0	0	0	0	0	2
South Carolina	4	4	8	0	0	0	0	0	0	8
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	15	22	37	4	0	4	2	0	2	43
Texas	22	31	53	0	0	0	0	0	0	53
Utah	0	1	1	0	0	0	0	0	0	1
Vermont	2	0	2	0	0	0	0	0	2	4
Virginia	17	29	46	1	0	1	2	0	2	49
Washington	13	6	19	0	0	0	0	0	0	19
West Virginia	0	0	0	0	0	0	0	1	1	1
Wisconsin	3	1	4	2	1	3	1	1	2	9
Wyoming	0	2	2	0	0	0	0	0	0	2
Total	423	331	754	39	5	44	17	12	29	827

^aIncludes cases that could not be ascribed to a specific ehrlichial agent because of antibody cross-reactivity.

^bProbable case (single antibody titer of ≥ 64 by IFA).

^cConfirmed case (four-fold change in antibody titer in paired serum samples by IFA).