

Supplemental Table 1. ZIKV incidence rates (cases/100,000pop) by municipalities, Honduras, 2016-2017.

Departments	Municipalities	Cases		Population		Rates*		Departments	Municipalities	Cases		Population		Rates*	
		2016	2017	2016	2017	2016	2017			2016	2017	2016	2017		
Santa Bárbara	Ceguapa	131	5	5,249	5,353	2,495.79	93.41	El Paraíso	San Matías	1	1	5,250	5,321	19.05	18.79
La Paz	Cáne	66	1	4,003	4,150	1,648.91	24.10	Colón	Santa Fé	1	0	5,390	5,376	18.55	0.00
Santa Bárbara	San Vicente Centenario	58	0	3,706	3,736	1,565.18	0.00	Santa Bárbara	San Pedro de Zacapa	2	0	10,790	10,868	18.54	0.00
Cortés	Villanueva	1,765	14	161,609	165,602	1,092.14	8.45	Colón	Santa Rosa de Aguan	1	0	5,463	5,498	18.30	0.00
Copán	San Pedro Sula	8,022	29	754,061	765,999	1,063.84	3.79	Comayagua	Ajuterique	2	0	11,579	11,655	17.27	0.00
Santa Bárbara	Quimistan	474	0	52,884	54,638	896.30	0.00	Comayagua	Lejamani	1	0	5,831	5,883	17.15	0.00
El Paraíso	Jacaleapa	36	1	4,126	4,186	872.55	23.89	Atlántida	Lamasica	5	2	30,619	31,034	16.33	6.44
Yoro	El Progreso	1,678	52	193,567	195,247	866.88	26.63	Olancho	Yocon	2	0	12,375	12,566	16.16	0.00
Francisco Morazán	Tegucigalpa M.D.C.	10,386	189	1,207,635	1,225,043	860.03	15.43	Intibucá	Intibuca	9	0	60,264	61,695	14.93	0.00
Cortés	Choloma	2,100	14	249,217	255,625	842.64	5.48	Comayagua	San José del Potrero	1	0	7,018	7,125	14.25	0.00
Olancho	Silca	65	0	8,087	8,135	803.73	0.00	Ocatepeque	San Marcos	3	7	21,068	21,448	14.24	32.64
Santa Bárbara	La Arada	79	1	10,220	10,433	773.00	9.58	Olancho	Salamá	1	0	7,778	7,859	12.86	0.00
Olancho	Juticalpa	821	9	132,484	135,076	619.70	6.66	Francisco Morazán	Villa de San Francisco	1	0	8,641	8,755	11.57	0.00
Santa Bárbara	Nuevo Celilac	49	0	8,166	8,185	600.04	0.00	Choluteca	Orocuína	2	0	18,578	18,676	10.77	0.00
Islas de la Bahía	Utila	24	0	4,277	4,400	561.08	0.00	Intibucá	Colomoncagua	2	1	18,613	18,737	10.75	5.34
Copán	Santa Rosa	354	6	65,233	66,629	542.67	9.01	El Paraíso	Soledad	1	0	9,352	9,352	10.69	0.00
Santa Bárbara	San Jose de Colinas	104	2	19,266	19,407	539.82	10.31	La Paz	Yarula	1	0	9,356	9,522	10.69	0.00
Santa Bárbara	Trinidad	101	0	20,325	20,563	496.93	0.00	Olancho	San Francisco de La Paz	2	0	19,937	20,183	10.03	0.00
Choluteca	San Antonio de Flores	27	1	5,463	5,470	494.25	18.28	Ocatepeque	La Labor	1	0	10,012	10,188	9.99	0.00
Olancho	Guayape	60	0	13,027	13,152	460.60	0.00	Valle	Langue	2	0	21,275	21,387	9.40	0.00
Santa Bárbara	Concepción del Sur	25	0	5,514	5,517	453.42	0.00	Francisco Morazán	Ojona	1	0	10,872	11,017	9.20	0.00
Choluteca	Pespire	106	0	24,024	24,063	441.22	0.00	Francisco Morazán	Vallecillos	1	0	10,981	11,147	9.11	0.00
Olancho	Santa María del Real	47	0	10,823	10,875	434.25	0.00	Colón	Sonagera	4	1	44,574	45,073	8.97	2.22
Cortés	Puerto Cortes	538	25	127,968	129,961	420.42	19.24	Olancho	Manto	1	0	11,697	11,748	8.55	0.00
Cortés	San Manuel	241	1	58,927	61,159	408.98	1.64	La Paz	Santa Ana	1	0	12,304	12,486	8.13	0.00
Choluteca	San Isidro	14	0	3,765	3,793	371.81	0.00	Francisco Morazán	Santa Ana	1	0	16,661	16,889	6.00	0.00
Yoro	El Negrito	170	0	47,104	47,663	360.91	0.00	Santa Bárbara	Protección	1	0	17,013	17,220	5.88	0.00
Valle	San Francisco de Coray	35	0	9,859	9,910	355.00	0.00	Francisco Morazán	Valle de Angeles	1	0	18,189	18,747	5.50	0.00
Choluteca	Choluteca	549	2	159,739	162,125	343.69	1.23	Atlántida	Arizona	1	0	24,345	24,578	4.11	0.00
El Paraíso	Danlí	688	8	206,922	210,742	332.49	3.80	Copán	Santa Rita	1	0	31,072	31,455	3.22	0.00
La Paz	San Antonio del Norte	9	0	2,817	2,851	319.49	0.00	Colón	Trujillo	2	6	63,622	64,688	3.14	9.28
La Paz	San Juan	8	0	2,539	2,571	315.03	0.00	Copán	Copan Ruinas	1	0	40,219	40,952	2.49	0.00
Santa Bárbara	Santa Barbara	123	2	44,182	45,002	278.40	4.44	Copán	Nueva Arcadia	1	0	42,590	43,346	2.35	0.00
Choluteca	Marcóvia	121	0	46,725	47,113	258.96	0.00	Atlántida	San Francisco	0	0	15,277	15,531	0.00	0.00
Olancho	Catacámas	318	2	124,599	126,982	255.22	1.58	Colón	Iriona	0	0	21,461	21,716	0.00	0.00
Comayagua	San Jerónimo	53	0	22,064	22,441	240.21	0.00	Comayagua	Lajas	0	0	15,038	15,284	0.00	0.00
Islas de la Bahía	Guanaja	13	0	5,595	5,663	232.34	0.00	Comayagua	La Trinidad	0	0	4,694	4,755	0.00	0.00
Cortés	La Lima	177	0	76,823	78,596	230.40	0.00	Comayagua	Meambar	0	0	13,092	13,287	0.00	0.00
Santa Bárbara	Nueva Frontera	29	3	13,395	13,504	216.49	22.22	Comayagua	San José de Comayagua	0	0	7,882	7,909	0.00	0.00
Choluteca	El Triunfo	99	0	45,741	46,490	216.44	0.00	Comayagua	Lamani	0	0	7,176	7,239	0.00	0.00
Choluteca	Santa Ana de Yusguare	30	0	14,717	14,813	203.84	0.00	Copán	Cabañas	0	0	14,725	15,082	0.00	0.00
El Paraíso	Yuscaran	30	0	14,974	15,271	200.34	0.00	Copán	Concepción	0	0	8,311	8,524	0.00	0.00
Santa Bárbara	Petosa	25	0	12,501	12,617	199.98	0.00	Copán	Corquin	0	0	17,542	17,940	0.00	0.00
Choluteca	Morolica	10	0	5,007	5,012	199.70	0.00	Copán	Cucuyagua	0	0	17,042	17,379	0.00	0.00
Francisco Morazán	Santa Lucía	26	0	13,463	14,065	193.13	0.00	Copán	Dolores	0	0	6,777	6,902	0.00	0.00
El Paraíso	Alauca	18	1	9,354	9,433	192.43	10.60	Copán	Dulce Nombre	0	0	6,116	6,273	0.00	0.00
Cortés	San Francisco de Yojoa	42	0	23,097	23,499	181.84	0.00	Copán	El Paraíso	0	0	20,053	20,104	0.00	0.00
El Paraíso	Liure	19	0	10,808	10,852	175.80	0.00	Copán	Florida	0	0	29,134	29,400	0.00	0.00
Francisco Morazán	La Libertad	5	0	2,869	2,900	174.25	0.00	Copán	La Jigua	0	0	9,579	9,677	0.00	0.00
Santa Bárbara	Concepción del Norte	16	0	9,303	9,405	171.98	0.00	Copán	La Union	0	0	16,463	16,612	0.00	0.00
Ocatepeque	Nueva Ocatepeque	38	12	24,337	24,770	156.14	48.45	Copán	San Agustín	0	0	5,721	5,801	0.00	0.00
Santa Bárbara	El Nispero	13	0	8,580	8,745	151.52	0.00	Copán	San Antonio	0	0	10,064	10,185	0.00	0.00
Olancho	Patuca	40	0	27,433	27,671	145.81	0.00	Copán	San Jeronimo	0	0	5,097	5,120	0.00	0.00
Comayagua	Humuya	2	1	1,378	1,399	145.10	71.49	Copán	San José	0	0	7,152	7,218	0.00	0.00
Santa Bárbara	Ilama	13	0	9,137	9,160	142.28	0.00	Copán	San Juan de Opoa	0	0	9,750	9,788	0.00	0.00
Ocatepeque	Sinuapa	13	6	9,371	9,601	138.73	62.49	Copán	San Nicolas	0	0	7,932	8,068	0.00	0.00
Atlántida	La Ceiba	285	11	207,733	211,327	137.20	5.21	Copán	San Pedro	0	0	7,716	7,772	0.00	0.00
Santa Bárbara	Macuelizo	49	0	36,058	36,607	135.89	0.00	Copán	Veracruz	0	0	3,399	3,447	0.00	0.00
Yoro	Jocom	13	0	9,687	9,710	134.20	0.00	Choluteca	Apacilagua	0	0	9,084	9,093	0.00	0.00
Choluteca	San José	6	0	4,543	4,633	132.08	0.00	Choluteca	Concepción de Maria	0	0	27,469	27,687	0.00	0.00
Cortés	Omóa	63	5	48,495	49,749	129.91	10.05	El Paraíso	Guinópe	0	0	8,949	9,107	0.00	0.00
Cortés	San Antonio de Cortes	29	1	22,386	22,498	129.54	4.44	El Paraíso	Oropolí	0	0	6,053	6,090	0.00	0.00
Olancho	Campamento	27	0	21,283	21,814	126.86	0.00	El Paraíso	San Antonio de Flores	0	0	5,729	5,783	0.00	0.00
Olancho	El Rosário	5	0	4,282	4,298	116.76	0.00	Francisco Morazán	Alubaren	0	0	5,566	5,576	0.00	0.00
Olancho	San Esteban	30	0	26,488	26,781	113.26	0.00	Francisco Morazán	Curaren	0	0	20,775	20,924	0.00	0.00
Comayagua	Siguatopeque	114	12	101,316	103,506	112.52	11.59	Francisco Morazán	La Venta	0	0	6,353	6,421	0.00	0.00
La Paz	La Paz	52	1	47,452	48,640	109.58	2.06	Francisco Morazán	Lepaterique	0	0	21,245	21,767	0.00	0.00
Cortés	Potrerrillos	26	0	24,626	24,958	105.58	0.00	Francisco Morazán	Maraita	0	0	6,867	6,927	0.00	0.00
Santa Bárbara	Naranjito	13	0	12,447	12,637	104.45	0.00	Francisco Morazán	Marale	0	0	9,183	9,199	0.00	0.00
La Paz	Aguanqueterique	5	0	4,846	4,888	103.17	0.00	Francisco Morazán	Nueva Armenia	0	0	3,782	3,880	0.00	0.00
Yoro	Yorito	21	0	20,372	20,926	103.09	0.00	Francisco Morazán	Orica	0	0	14,398	14,604	0.00	0.00
Comayagua	La Libertad	28	0	27,652	28,275	101.26	0.00	Francisco Morazán	Reitoca	0	0	10,735	10,761	0.00	0.00
Francisco Morazán	San Buenaventura	3	0	2,963	3,029	101.25	0.00	Francisco Morazán	San Antonio De Oriente	0	0	15,446	15,598	0.00	0.00
Colón	Balfate	13	0	13,273	13,326	97.95	0.00	Francisco Morazán	San Miguelito	0	0	1,943	1,957	0.00	0.00
Yoro	Olanchito	105	5	110,437	112,444	95.08	4.45	Francisco Morazán	Talanga	0	0	36,285	36,733	0.00	0.00
El Paraíso	El Paraíso	43	1	45,638	45,920	94.22	2.18	Francisco Morazán	Tatumbra	0	0	7,799	8,018	0.00	0.00
Colón	Sava	29	0	30,949	31,402	93.70	0.00	Gracias a Dios	Puerto Lempira	0	0	51,702	53,131	0.00	0.00
Choluteca	San Marcos de Colon	26	0	28,102	28,679	92.52	0.00	Gracias a Dios	Brus Laguna	0	0	13,505	13,801	0.00	0.00
El Paraíso	Morocelí	16	0	17,458	17,764	91.65	0.00	Gracias a Dios	Ahuas	0	0	8,539	8,694	0.00	0.00
Colón	Tocóa	87	10	96,360	98,602	90.29	10.14	Gracias a Dios	Juan Francisco Bulnes	0	0	6,417	6,428	0.00	0.00
Comayagua	Comayagua	139	6	155,948	159,904	89.13	3.75	Gracias a Dios	Ramón Villeda Morales	0	0	10,348	10,365	0.00	0.00
Choluteca	Duyure	3	0	3,529	3,537	85.01	0.00	Gracias a Dios	Wampusirpe	0	0	5,873	5,919	0.00	0.00
Santa Bárbara	San Luis	21	0	25,033	25,166	83.89	0.00	Intibucá	Dólores	0	0	5,434	5,537	0.00	0.00
Yoro	Victoria	29	0	34,848	35,475	83.22	0.00	Intibucá	Magdalena	0	0	4,455			

Cortés	Santa Cruz de Yojoa	70	0	86,590	88,054	80.84	0.00	Intibucá	San Isidro	0	0	4,701	4,812	0.00	0.00
Valle	San Lorenzo	34	1	43,977	44,917	77.31	2.23	Intibucá	San Juan	0	0	14,138	14,390	0.00	0.00
Valle	Caridad	3	0	3,980	4,000	75.37	0.00	Intibucá	San Marcos de La Sierra	0	0	9,123	9,285	0.00	0.00
Intibucá	Jesus de Otoro	22	0	30,073	30,663	73.15	0.00	Intibucá	San Miguelito	0	0	8,006	8,236	0.00	0.00
El Paraíso	Yauyupe	1	0	1,378	1,394	72.57	0.00	Intibucá	Santa Lucía	0	0	5,382	5,434	0.00	0.00
Choluteca	El Corpus	18	0	25,337	25,591	71.04	0.00	Intibucá	Yamarangila	0	0	21,946	22,258	0.00	0.00
Olancho	Gualaco	16	0	22,552	22,769	70.95	0.00	Intibucá	San Francisco de Opalaca	0	0	11,685	12,024	0.00	0.00
El Paraíso	Potrerrillos	3	0	4,553	4,663	65.89	0.00	Islas de la Bahía	Jose Santos Guardiola	0	0	11,698	11,823	0.00	0.00
Yoro	Santa Rita	13	0	20,710	20,841	62.77	0.00	La Paz	Cabañas	0	0	3,492	3,579	0.00	0.00
Comayagua	San Luis	7	0	11,561	11,718	60.55	0.00	La Paz	Lauterique	0	0	3,040	3,060	0.00	0.00
Comayagua	Villa de San Antonio	15	1	24,824	25,234	60.43	3.96	La Paz	Mercedes de Oriente	0	0	1,124	1,138	0.00	0.00
Yoro	Morazán	26	1	43,163	44,188	60.24	2.26	La Paz	Opatoro	0	0	7,662	7,754	0.00	0.00
La Paz	Santiago de Puringla	10	0	16,782	16,978	59.59	0.00	La Paz	San Pedro de Tutule	0	0	7,290	7,421	0.00	0.00
Intibucá	Camasca	4	0	6,924	6,977	57.77	0.00	La Paz	Santa Elena	0	0	12,904	13,139	0.00	0.00
Francisco Morazán	El Porvenir	13	0	22,611	23,655	57.49	0.00	Lempira	Belen	0	0	7,477	7,720	0.00	0.00
El Paraíso	Texiguat	5	0	8,817	8,841	56.71	0.00	Lempira	Candelaria	0	0	6,896	6,931	0.00	0.00
El Paraíso	Teupasénti	25	0	44,442	45,417	56.25	0.00	Lempira	Cololaca	0	0	9,401	9,715	0.00	0.00
Copán	Trinidad	4	0	7,122	7,215	56.17	0.00	Lempira	Erandique	0	0	15,823	16,009	0.00	0.00
Atlántida	Jutiápa	20	1	35,690	36,207	56.04	2.76	Lempira	Gualcince	0	0	11,697	11,826	0.00	0.00
Comayagua	Ojos de Agua	6	0	10,739	10,873	55.87	0.00	Lempira	Guarita	0	0	8,577	8,646	0.00	0.00
Valle	Guascoran	8	0	14,441	14,489	55.40	0.00	Lempira	La Campa	0	0	7,172	7,408	0.00	0.00
Santa Bárbara	Azacualpa	11	0	21,693	22,240	50.71	0.00	Lempira	La Iguala	0	0	27,508	28,219	0.00	0.00
Atlántida	Téla	51	5	100,650	102,018	50.67	4.90	Lempira	Las Flores	0	0	6,662	6,682	0.00	0.00
Santa Bárbara	Santa Rita	2	0	4,020	4,036	49.75	0.00	Lempira	La Unión	0	0	10,005	10,172	0.00	0.00
El Paraíso	Vado Ancho	2	0	4,050	4,071	49.38	0.00	Lempira	La Virtud	0	0	13,463	13,791	0.00	0.00
Yoro	Sulaco	9	0	18,517	18,866	48.60	0.00	Lempira	Lepaera	0	0	38,445	39,004	0.00	0.00
La Paz	Chinacla	4	0	8,232	8,366	48.59	0.00	Lempira	Mapulaca	0	0	4,338	4,360	0.00	0.00
Santa Bárbara	Las Vegas	12	0	25,196	25,596	47.63	0.00	Lempira	Piraera	0	0	14,306	14,485	0.00	0.00
La Paz	Guajiquiro	7	0	15,138	15,317	46.24	0.00	Lempira	San Andres	0	0	13,807	14,028	0.00	0.00
Cortés	Pimienta	9	1	19,899	20,394	45.23	4.90	Lempira	San Francisco	0	0	9,205	9,260	0.00	0.00
La Paz	Marcala	13	1	30,504	31,148	42.62	3.21	Lempira	San Juan de Guarita	0	0	2,693	2,710	0.00	0.00
Francisco Morazán	Sabana Grande	9	0	21,445	21,781	41.97	0.00	Lempira	San Manuel de Colohete	0	0	14,854	15,123	0.00	0.00
Colón	Bonito Oriental	12	0	29,087	29,313	41.25	0.00	Lempira	San Rafael	0	0	13,938	14,109	0.00	0.00
Lempira	Gracias	21	1	51,635	53,018	40.67	1.89	Lempira	San Sebastian	0	0	11,069	11,279	0.00	0.00
Valle	Alianza	3	0	7,544	7,562	39.77	0.00	Lempira	Santa Cruz	0	0	7,258	7,429	0.00	0.00
Ocatepeque	Santa Fe	2	0	5,090	5,174	39.30	0.00	Lempira	Talgua	0	0	10,908	11,071	0.00	0.00
Olancho	Dulce Nombre del Culmi	12	1	30,836	31,118	38.92	3.21	Lempira	Tambla	0	0	3,291	3,360	0.00	0.00
Santa Bárbara	San Marcos	6	0	15,709	15,857	38.20	0.00	Lempira	Tomalá	0	0	6,574	6,652	0.00	0.00
Olancho	La Unión	3	0	7,949	8,038	37.74	0.00	Lempira	Valladolid	0	0	3,774	3,802	0.00	0.00
Intibucá	San Antonio	2	0	5,614	5,658	35.62	0.00	Lempira	Virginia	0	0	2,588	2,605	0.00	0.00
Colón	Limón	5	2	14,770	15,112	33.85	13.23	Lempira	San Marcos de Caiquin	0	0	5,946	6,076	0.00	0.00
Santa Bárbara	San Nicolas	5	0	15,112	15,360	33.09	0.00	Ocatepeque	Belen Gualcho	0	0	16,276	16,568	0.00	0.00
Intibucá	La Esperanza	4	0	12,955	13,413	30.88	0.00	Ocatepeque	Concepción	0	0	5,344	5,439	0.00	0.00
Yoro	Yoro	28	0	91,751	93,489	30.52	0.00	Ocatepeque	Dolores Merendon	0	0	4,140	4,287	0.00	0.00
Islas de la Bahía	Roatan	14	0	46,133	47,608	30.35	0.00	Ocatepeque	Fraternidad	0	0	5,769	6,111	0.00	0.00
El Paraíso	Las Trojes	15	1	50,047	51,011	29.97	1.96	Ocatepeque	Lucerna	0	0	6,083	6,157	0.00	0.00
Comayagua	El Rosario	9	2	30,687	31,339	29.33	6.38	Ocatepeque	Mercedes	0	0	7,423	7,491	0.00	0.00
Comayagua	Esquías	6	0	21,262	21,514	28.22	0.00	Ocatepeque	San Fernando	0	0	7,126	7,184	0.00	0.00
Comayagua	San Sebastian	1	0	3,631	3,629	27.54	0.00	Ocatepeque	San Francisco del Valle	0	0	9,946	10,051	0.00	0.00
Valle	Nacaome	16	0	59,291	59,970	26.99	0.00	Ocatepeque	San Jorge	0	0	5,258	5,336	0.00	0.00
Santa Bárbara	San Francisco de Ojuera	2	0	7,441	7,595	26.88	0.00	Ocatepeque	Sesenti	0	0	11,776	11,881	0.00	0.00
La Paz	Santa María	3	0	11,250	11,404	26.67	0.00	Olancho	Concordia	0	0	8,418	8,498	0.00	0.00
Atlántida	Esparta	5	0	19,125	19,364	26.14	0.00	Olancho	Esquipulas del Norte	0	0	11,135	11,496	0.00	0.00
Atlántida	El Porvenir	6	0	23,592	24,228	25.43	0.00	Olancho	Guarizama	0	0	7,896	7,942	0.00	0.00
El Paraíso	San Lucas	2	0	7,963	8,057	25.12	0.00	Olancho	Guata	0	0	12,236	12,385	0.00	0.00
Francisco Morazán	San Juan de Flores	4	0	16,457	16,857	24.31	0.00	Olancho	Jano	0	0	4,943	5,083	0.00	0.00
Francisco Morazán	Guaimáca	7	0	29,438	29,923	23.78	0.00	Olancho	Mangulile	0	0	9,481	9,495	0.00	0.00
Comayagua	Minas de Oro	3	0	13,445	13,548	22.31	0.00	Olancho	San Francisco de Becerra	0	0	10,096	10,318	0.00	0.00
Francisco Morazán	San Ignacio	2	0	9,036	9,119	22.13	0.00	Santa Bárbara	Atima	0	0	18,752	19,132	0.00	0.00
La Paz	San José	2	0	9,047	9,086	22.11	0.00	Santa Bárbara	Chinda	0	0	4,886	4,947	0.00	0.00
Comayagua	Taulabe	5	0	24,930	25,158	20.06	0.00	Santa Bárbara	Gualala	0	0	5,361	5,416	0.00	0.00
Francisco Morazán	Cedros	5	0	25,539	26,003	19.58	0.00	Valle	Amapala	0	0	13,020	13,302	0.00	0.00
Intibucá	Concepción	2	0	10,379	10,557	19.27	0.00	Valle	Aramecina	0	0	7,384	7,460	0.00	0.00
Ocatepeque	La Encarnación	1	0	5,232	5,330	19.11	0.00	Yoro	Arenal	0	0	5,983	5,995	0.00	0.00
Total										32,132	475	8,721,014	8,866,351	368.44	5.36

\*Cases per 100,000 pop.