

## Supplementary materials

**Table S1.** The total number of reported snakebite cases and the cumulative incidence per 100,000 inhabitants over the study period for each municipality is reported. Incidence estimates are accompanied by exact Poisson 95% confidence intervals, which were derived from the expected rate parameter ( $\lambda$ ) to quantify uncertainty associated with varying population sizes and low case counts. The lower and upper bounds of incidence reflect the range within which the true underlying rate is expected to fall given the observed data. An additional indicator identifies municipalities with very low numbers of cases, for which incidence estimates may be less stable due to increased random variation. Together, these metrics allow transparent evaluation of the robustness of municipality-level incidence values and support their interpretation in subsequent spatial and hotspot analyses.

<b>Municipality</b>	<b>Raw cases</b>	<b>Incidence</b>	<b>Inhabitants</b>	<b>Lower <math>\lambda</math></b>	<b>Upper <math>\lambda</math></b>	<b>Incidence lower bound</b>	<b>Incidence lower bound</b>	<b>Low count flag</b>
Acambay de Ruíz Castañeda	165	249.87	66034	140.78	192.19	213.20	291.04	$\geq 10$ cases (more stable)
Acolman	3	1.97	152506	0.62	8.77	0.41	5.75	$< 5$ cases (unstable)

Aculco	6	12.24	49026	2.20	13.06	4.49	26.64	5-9 cases (moderate)
Almoloya de Alquisiras	1	6.74	14846	0.03	5.57	0.17	37.53	<5 cases (unstable)
Almoloya de Juárez	3	1.70	176237	0.62	8.77	0.35	4.97	<5 cases (unstable)
Almoloya del Río	0	0.00	11126	0.00	3.69	0.00	33.16	0 cases
Amanalco	20	81.07	24669	12.22	30.89	49.52	125.21	>=10 cases (more stable)
Amatepec	10	37.58	26610	4.80	18.39	18.02	69.11	>=10 cases (more stable)
Amecameca	116	227.88	50904	95.85	139.13	188.30	273.32	>=10 cases (more stable)
Apaxco	1	3.41	29347	0.03	5.57	0.09	18.99	<5 cases (unstable)
Atenco	0	0.00	62392	0.00	3.69	0.00	5.91	0 cases

Atizapán	16	134.74	11875	9.15	25.98	77.01	218.80	>=10 cases (more stable)
Atizapán de Zaragoza	54	10.32	523296	40.57	70.46	7.75	13.46	>=10 cases (more stable)
Atlacomulco	258	256.27	100675	227.48	291.48	225.95	289.52	>=10 cases (more stable)
Atlautla	4	12.93	30945	1.09	10.24	3.52	33.10	<5 cases (unstable)
Axapusco	7	25.26	27709	2.81	14.42	10.16	52.05	5-9 cases (moderate)
Ayapango	0	0.00	9863	0.00	3.69	0.00	37.40	0 cases
Calimaya	1	1.77	56574	0.03	5.57	0.04	9.85	<5 cases (unstable)
Capulhuac	0	0.00	35495	0.00	3.69	0.00	10.39	0 cases
Chalco	52	15.13	343701	38.84	68.19	11.30	19.84	>=10 cases (more stable)

Chapa de Mota	13	45.95	28289	6.92	22.23	24.47	78.58	>=10 cases (more stable)
Chapultepec	3	25.50	11764	0.62	8.77	5.26	74.53	<5 cases (unstable)
Chiautla	7	24.01	29159	2.81	14.42	9.65	49.46	5-9 cases (moderate)
Chicoloapan	1	0.49	204107	0.03	5.57	0.01	2.73	<5 cases (unstable)
Chiconcuac	0	0.00	25543	0.00	3.69	0.00	14.44	0 cases
Chimalhuacán	21	3.09	679811	13.00	32.10	1.91	4.72	>=10 cases (more stable)
Coacalco de Berriozábal	9	3.16	284462	4.12	17.08	1.45	6.01	5-9 cases (moderate)
Coatepec Harinas	228	571.47	39897	199.36	259.60	499.70	650.66	>=10 cases (more stable)
Cocotitlán	0	0.00	14414	0.00	3.69	0.00	25.59	0 cases
Coyotepec	1	2.39	41810	0.03	5.57	0.06	13.33	<5 cases (unstable)

Cuautitlán	20	13.37	149550	12.22	30.89	8.17	20.65	>=10 cases (more stable)
Cuautitlán Izcalli	13	2.45	531041	6.92	22.23	1.30	4.19	>=10 cases (more stable)
Donato Guerra	4	11.76	34000	1.09	10.24	3.21	30.12	<5 cases (unstable)
Ecatepec de Morelos	85	5.07	1677678	67.89	105.10	4.05	6.26	>=10 cases (more stable)
Ecatzingo	2	21.24	9414	0.24	7.22	2.57	76.74	<5 cases (unstable)
El Oro	10	26.78	37343	4.80	18.39	12.84	49.25	>=10 cases (more stable)
Huehuetoca	17	13.23	128486	9.90	27.22	7.71	21.18	>=10 cases (more stable)
Hueypoxtla	8	18.27	43784	3.45	15.76	7.89	36.00	5-9 cases (moderate)
Huixquilucan	3	1.12	267858	0.62	8.77	0.23	3.27	<5 cases (unstable)

Isidro Fabela	2	17.06	11726	0.24	7.22	2.07	61.61	<5 cases (unstable)
Ixtapaluca	18	3.63	495563	10.67	28.45	2.15	5.74	>=10 cases (more stable)
Ixtapan de la Sal	137	385.35	35552	115.02	161.96	323.53	455.55	>=10 cases (more stable)
Ixtapan del Oro	5	73.63	6791	1.62	11.67	23.91	171.82	5-9 cases (moderate)
Ixtlahuaca	62	40.47	153184	47.54	79.48	31.03	51.89	>=10 cases (more stable)
Jaltenco	1	3.59	27825	0.03	5.57	0.09	20.02	<5 cases (unstable)
Jilotepec	167	189.93	87927	142.63	194.34	162.22	221.02	>=10 cases (more stable)
Jilotzingo	4	21.04	19013	1.09	10.24	5.73	53.87	<5 cases (unstable)
Jiquipilco	29	39.02	74314	19.42	41.65	26.13	56.04	>=10 cases (more stable)

Jocotitlán	9	13.78	65291	4.12	17.08	6.30	26.17	5-9 cases (moderate)
Joquicingo	2	14.43	13857	0.24	7.22	1.75	52.14	<5 cases (unstable)
Juchitepec	4	15.73	25436	1.09	10.24	4.28	40.26	<5 cases (unstable)
La Paz	2	0.68	293725	0.24	7.22	0.08	2.46	<5 cases (unstable)
Lerma	15	10.23	146654	8.40	24.74	5.72	16.87	>=10 cases (more stable)
Luvianos	19	68.20	27860	11.44	29.67	41.06	106.50	>=10 cases (more stable)
Malinalco	65	236.52	27482	50.17	82.85	182.54	301.46	>=10 cases (more stable)
Melchor Ocampo	0	0.00	57152	0.00	3.69	0.00	6.45	0 cases
Metepec	25	10.97	227827	16.18	36.90	7.10	16.20	>=10 cases (more stable)
Mexicaltzingo	1	7.81	12796	0.03	5.57	0.20	43.54	<5 cases (unstable)

Morelos	16	53.58	29862	9.15	25.98	30.63	87.01	>=10 cases (more stable)
Naucalpan de Juárez	49	5.80	844219	36.25	64.78	4.29	7.67	>=10 cases (more stable)
Nextlalpan	3	7.56	39666	0.62	8.77	1.56	22.10	<5 cases (unstable)
Nezahualcóyotl	26	2.50	1039867	16.98	38.10	1.63	3.66	>=10 cases (more stable)
Nicolás Romero	7	1.71	410118	2.81	14.42	0.69	3.52	5-9 cases (moderate)
Nopaltepec	0	0.00	8960	0.00	3.69	0.00	41.17	0 cases
Ocoyoacac	2	3.02	66190	0.24	7.22	0.37	10.92	<5 cases (unstable)
Ocuilán	8	23.20	34485	3.45	15.76	10.02	45.71	5-9 cases (moderate)
Otumba	15	42.52	35274	8.40	24.74	23.80	70.14	>=10 cases (more stable)

Otzoloapan	0	0.00	3872	0.00	3.69	0.00	95.27	0 cases
Otzolotepec	3	3.55	84519	0.62	8.77	0.73	10.37	<5 cases (unstable)
Ozumba	2	6.87	29114	0.24	7.22	0.83	24.82	<5 cases (unstable)
Papalotla	0	0.00	3963	0.00	3.69	0.00	93.08	0 cases
Polotitlán	4	28.88	13851	1.09	10.24	7.87	73.94	<5 cases (unstable)
Rayón	2	15.08	13261	0.24	7.22	1.83	54.48	<5 cases (unstable)
San Antonio la Isla	1	3.67	27230	0.03	5.57	0.09	20.46	<5 cases (unstable)
San Felipe del Progreso	47	35.04	134143	34.53	62.50	25.74	46.59	>=10 cases (more stable)
San José del Rincón	14	14.91	93878	7.65	23.49	8.15	25.02	>=10 cases (more stable)
San Martín de las Pirámides	3	11.13	26960	0.62	8.77	2.29	32.52	<5 cases (unstable)
San Mateo Atenco	1	1.32	75511	0.03	5.57	0.03	7.38	<5 cases (unstable)

San Simón de Guerrero	3	49.92	6010	0.62	8.77	10.29	145.88	<5 cases (unstable)
Santo Tomás	5	51.64	9682	1.62	11.67	16.77	120.52	5-9 cases (moderate)
Soyaniquilpan de Juárez	2	15.05	13290	0.24	7.22	1.82	54.36	<5 cases (unstable)
Sultepec	8	29.82	26832	3.45	15.76	12.87	58.75	5-9 cases (moderate)
Tecámac	8	1.79	446008	3.45	15.76	0.77	3.53	5-9 cases (moderate)
Tejupilco	127	163.24	77799	105.87	151.11	136.09	194.23	>=10 cases (more stable)
Temamatla	8	61.61	12984	3.45	15.76	26.60	121.40	5-9 cases (moderate)
Temascalapa	1	2.59	38622	0.03	5.57	0.07	14.43	<5 cases (unstable)

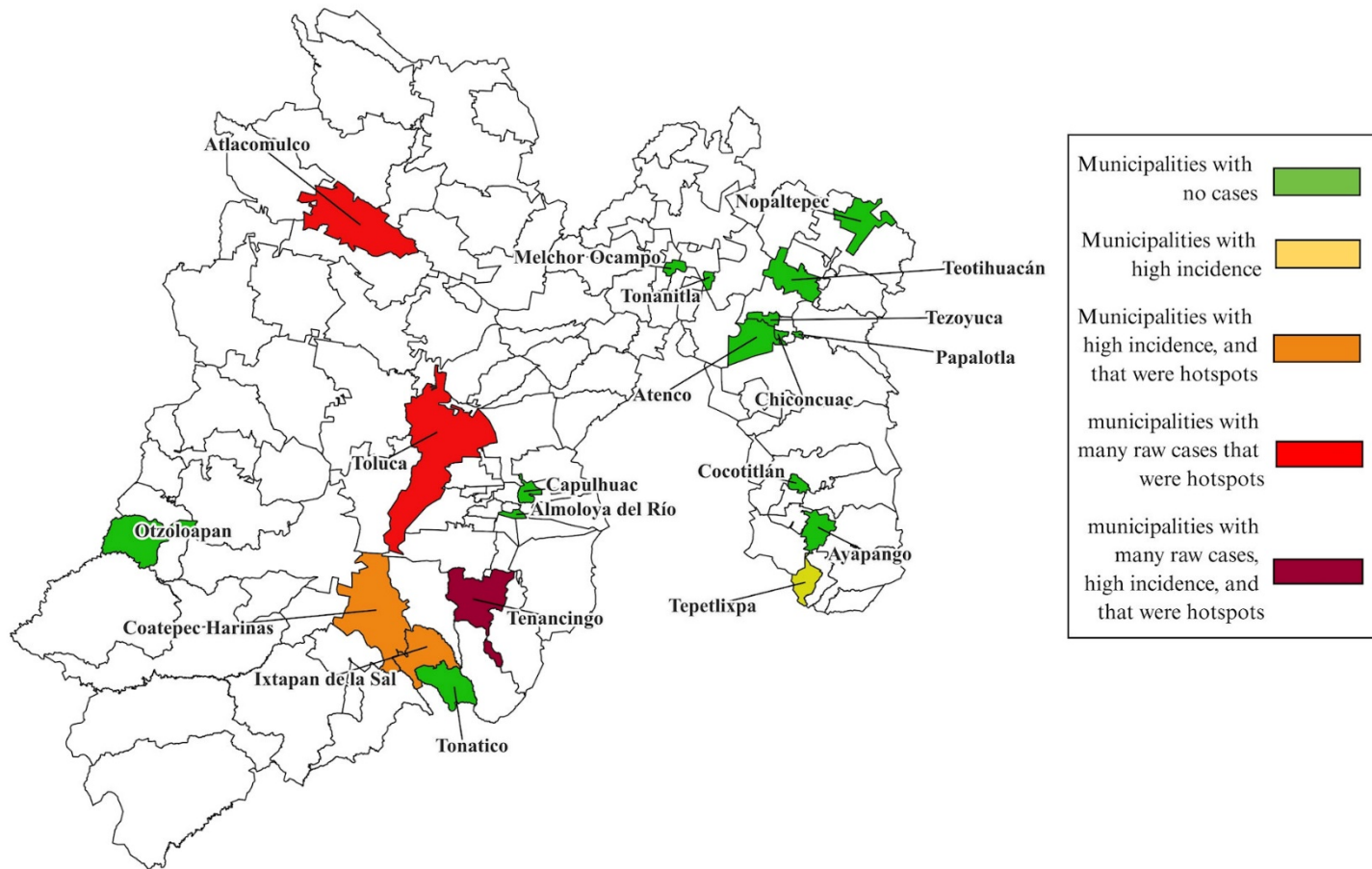
Temascalcingo	10	15.69	63721	4.80	18.39	7.53	28.86	>=10 cases (more stable)
Temascaltepec	57	180.20	31631	43.17	73.85	136.48	233.47	>=10 cases (more stable)
Temoaya	31	29.86	103834	21.06	44.00	20.29	42.38	>=10 cases (more stable)
Tenancingo	413	421.90	97891	374.12	454.82	382.18	464.62	>=10 cases (more stable)
Tenango del Aire	1	8.02	12470	0.03	5.57	0.20	44.68	<5 cases (unstable)
Tenango del Valle	105	121.56	86380	85.88	127.11	99.42	147.15	>=10 cases (more stable)
Teoloyucan	0	0.00	66518	0.00	3.69	0.00	5.55	0 cases
Teotihuacán	0	0.00	56993	0.00	3.69	0.00	6.47	0 cases
Tepetlaoxtoc	1	3.26	30680	0.03	5.57	0.08	18.16	<5 cases (unstable)

Tepetlixpa	117	589.63	19843	96.76	140.22	487.64	706.65	>=10 cases (more stable)
Tepotzotlán	1	1.06	94198	0.03	5.57	0.03	5.91	<5 cases (unstable)
Tequixquiac	1	2.71	36902	0.03	5.57	0.07	15.10	<5 cases (unstable)
Texcaltitlán	29	150.99	19206	19.42	41.65	101.12	216.85	>=10 cases (more stable)
Texcalyacac	2	38.12	5246	0.24	7.22	4.62	137.72	<5 cases (unstable)
Texcoco	53	22.01	240749	39.70	69.33	16.49	28.80	>=10 cases (more stable)
Tezoyuca	0	0.00	41333	0.00	3.69	0.00	8.92	0 cases
Tianguistenco	5	6.48	77147	1.62	11.67	2.10	15.12	5-9 cases (moderate)
Timilpan	2	12.77	15664	0.24	7.22	1.55	46.12	<5 cases (unstable)
Tlalmanalco	18	37.98	47390	10.67	28.45	22.51	60.03	>=10 cases (more stable)

Tlalnepantla de Baz	18	2.57	700734	10.67	28.45	1.52	4.06	>=10 cases (more stable)
Tlatlaya	43	123.08	34937	31.12	57.92	89.07	165.79	>=10 cases (more stable)
Toluca	439	50.26	873536	398.89	482.05	45.66	55.18	>=10 cases (more stable)
Tonanitla	0	0.00	9728	0.00	3.69	0.00	37.92	0 cases
Tonatico	0	0.00	12324	0.00	3.69	0.00	29.93	0 cases
Tultepec	1	0.67	150182	0.03	5.57	0.02	3.71	<5 cases (unstable)
Tultitlán	8	1.54	520557	3.45	15.76	0.66	3.03	5-9 cases (moderate)
Valle de Bravo	159	242.00	65703	135.25	185.72	205.84	282.67	>=10 cases (more stable)
Valle de Chalco Solidaridad	28	7.07	396157	18.61	40.47	4.70	10.22	>=10 cases (more stable)

Villa de Allende	20	37.99	52641	12.22	30.89	23.21	58.68	>=10 cases (more stable)
Villa del Carbón	48	101.80	47151	35.39	63.64	75.06	134.97	>=10 cases (more stable)
Villa Guerrero	148	217.87	67929	125.12	173.86	184.19	255.94	>=10 cases (more stable)
Villa Victoria	35	33.46	104612	24.38	48.68	23.30	46.53	>=10 cases (more stable)
Xalatlaco	31	104.83	29572	21.06	44.00	71.23	148.80	>=10 cases (more stable)
Xonacatlán	14	27.11	51646	7.65	23.49	14.82	45.48	>=10 cases (more stable)
Zacazonapan	1	24.17	4137	0.03	5.57	0.61	134.68	<5 cases (unstable)
Zacualpan	4	26.74	14958	1.09	10.24	7.29	68.47	<5 cases (unstable)

Zinacantepec	6	3.18	188927	2.20	13.06	1.17	6.91	5-9 cases (moderate)
Zumpahuacán	2	11.82	16927	0.24	7.22	1.43	42.68	<5 cases (unstable)
Zumpango	18	9.04	199069	10.67	28.45	5.36	14.29	>=10 cases (more stable)



**Figure S1.** Municipalities of the State of Mexico explicitly mentioned in the main text, highlighted to facilitate geographic interpretation of the results. This figure includes municipalities discussed due to their absence of reported snakebite cases, high raw case counts, high incidence rates, and/or classification as hotspots in the spatial analysis.