

H	M	MUN	<i>C</i>	<i>Ca</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>Cp</i>	<i>C</i>	<i>C</i>	<i>M</i>	<i>M</i>	T	SC
D	C		<i>a</i>	<i>x</i>	<i>b</i>	<i>l</i>	<i>m</i>	<i>o</i>	<i>p</i>	<i>r</i>	<i>s</i>	<i>w</i>	<i>e</i>	<i>d</i>	S	N
	54	Villa Hidalgo	-	-	-	-	-	-	-	-	-	-	-	-	0	5
		Total number of species present in the HD:													5	184
3	9	Chalchihuites	-	x	-	x	x	-	x	-	-	-	-	-	4	3
	10	Fresnillo	.-	x	-	x	x	-	x	-	x	-	-	-	5	83
	13	General Enrique Estrada	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	21	Jiménez del Teul	-	-	-	x	x	-	-	-	-	-	-	-	2	5
	40	Sain Alto	-	-	-	-	x	-	-	-	x	-	-	-	2	3
	42	Sombrerete	-	x	-	x	x	-	x	-	x	x	-	-	6	33
	49	Valparaíso	-	-	x	x	x	-	x	-	x	x	-	x	7	8
			Total number of species present in the HD:													7
4	6	Cañitas de Felipe Pescador	-	-	-	x	x	-	-	-	-	-	-	-	2	3
	14	General Francisco R. Murguía	-	x	-	-	-	-	-	-	x	-	-	-	2	3
	22	Juan Aldama	-	x	-	-	-	-	-	-	-	-	-	-	1	21
	29	Miguel Auza	-	-	-	-	-	-	-	-	-	-	-	-	0	4
	39	Río Grande	-	x	-	-	-	-	-	-	x	-	-	-	2	37
			Total number of species present in the HD:													4
5	1	Apozol	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	2	Apulco	-	-	-	-	-	-	-	-	-	-	-	-	0	1
	15	El Plateado de Joaquín Amaro	-	-	x	x	x	-	x	-	-	-	-	-	4	5

H D	M C	MUN	C a	Ca x	C b	C l	C m	C o	C p	Cp r	C s	C w	M e	M d	T S	SC N
	58	Santa María de la Paz	-	-	-	-	-	-	-	-	-	-	-	-	0	1
		Total number of species present in the HD:													6	109
7	7	Concepción del Oro	-	x	-	x	x	-	-	-	x	-	-	-	4	25
	41	El Salvador	-	x	-	-	-	-	-	-	-	-	-	-	1	1
	26	Mazapil	-	x	-	x	x	x	-	-	x	-	-	-	5	6
	27	Melchor Ocampo	-	x	-	-	x	-	-	-	x	-	-	-	3	3
	51	Villa de Cos	-	x	-	-	x	-	-	-	x	-	-	-	3	64
			Total number of species present in the HD:													5
Total number of municipalities with the presence of each species of snake			3	12	3	2 3	25	1	10	2	2 3	2	1	4	-	-

Abbreviations: **HD:**Health District; **MC:** Municipal Code; **MUN:** Municipality name;

Ca:*Crotalus aquilus*; **Cax:** *C. atrox*; **Cb:***C. basiliscus*; **Cl:***C. lepidus*; **Cm:***C. molossus*; **Co:** *C.*

ornatus; **Cp:***C. polystictus*; **Cpr:***C. pricei*; **Cs:***C. scutulatus*; **Cw:** *C. willardi*;

Me:*Micruroides euryxanthus*; **Md:***Micrurus distans*; **TS:** Total number of species; **SCN:** Snakebite Case Number.

Appendix 2.

The country is home to 14 species of the *Micrurus* genus, out of which eight are endemic to the country, as well as the only species of *Micruroides* (Dávalos-Martínez *et al.*, 2019; Uetz *et al.*, 2025). *Micrurus* and *Micruroides* or coral snakes have been previously studied in Zacatecas (Campbell & Lamar, 2004; Ahumada-Carrillo & Vázquez-Huizar, 2012; Lara-Galván *et al.*, 2023; Gámez-Gallegos *et al.*, 2024). They are visually attractive because of their colours (De la Torre-Loranca *et al.*, 2006), but they are shy and of conspicuous habits. Indeed, they mostly have crepuscular habits, and they typically hide under leaf litter, rotten trees and rocks (Vázquez-Díaz & Quintero-Díaz, 2005), which makes them difficult to spot. Mexico is also the world's greatest rattlesnake diversity, with 46 of the 55 species, 30 of them being endemic to the country (Uetz *et*

al., 2025). Rattlesnakes have evolved to adapt to numerous habitats and vegetation types, mainly occupying pine-oak forests, xerophilous shrub-land and mountain mesophile forest (Paredes-García *et al.*, 2011; Lazcano *et al.*, 2019). The north of Mexico has the largest diversity of this genus, especially in the Sierra Madre Occidental and the Mexican Plateau (Campbell & Lamar, 2004). Up to May 2025, 13 venomous reptile species have been reported for the state of Zacatecas, ten *Crotalus* species (*C. aquilus*, *C. atrox*, *C. basiliscus*, *C. lepidus*, *C. molossus*, *C. ornatus*, *C. polystictus*, *C. pricei*, *C. scutulatus* and *C. willardi*) (Lara-Galván *et al.*, 2020; Villalobos-Juárez *et al.*, 2025), two coralsnakes (*M. distans* and *M. euryxanthus*) (Ahumada-Carrillo & Vázquez-Huizar, 2012; Lara-Galván *et al.*, 2023; Gámez-Gallegos *et al.*, 2024). Finally, Zacatecas has the presence of the venomous beaded lizard *Heloderma horridum* (Ávila-Villegas, 2007; iNaturalistMX, 2025).