

1997 PLAGUE SURVEILLANCE REPORT

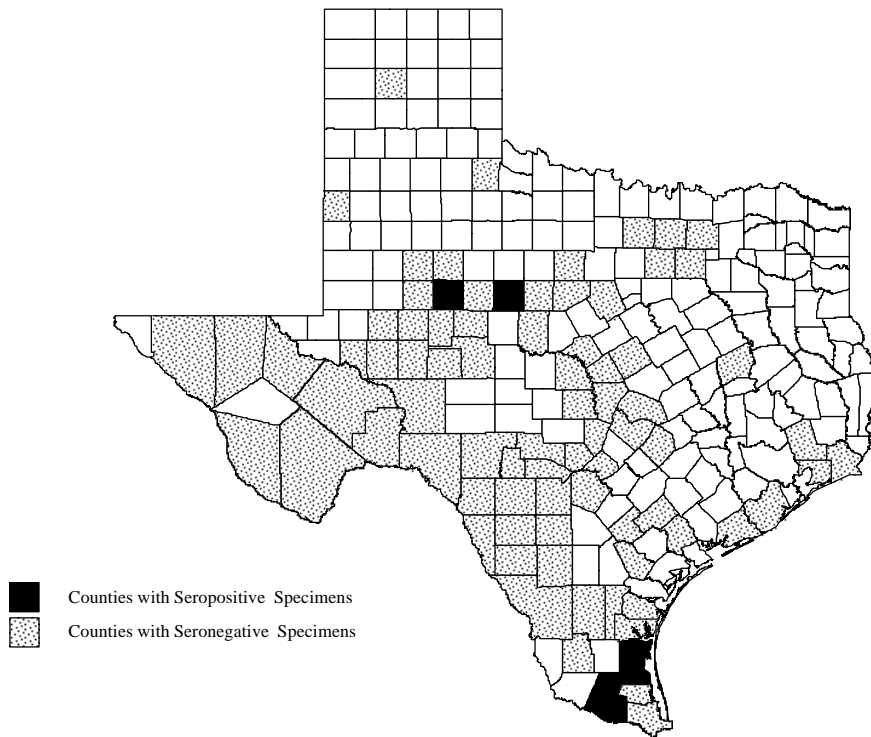
For the calendar year of 1997, ♣ serum samples collected by Nobuto Strips from 1,997 animals from 82 counties were tested for plague (*Yersinia pestis*) antibodies by the Texas Department of Health Laboratory, Microbiology Division, Serology Branch. Four (0.2%) of the specimens tested were seropositive (titer \geq 1:32) for plague.

In addition to serosurveillance, 3 tissue samples from two species (1 *Parognathus apache* and 2 *Neotoma albigula*) from two counties (El Paso and Taylor) were submitted to the Centers For Disease Control and Prevention, Plague Laboratory, Fort Collins, Colorado, for examination. None of these samples were positive for plague.

1997 Plague Seropositive Species

County	Results	Coyote	Gray Fox
Hidalgo	1:256	1	
Kenedy	1:64	1	
Mitchell	1:256		1
Taylor	1:512	1	

Plague Surveillance in Texas, 1997



♣ Serum samples are primarily collected from carnivores. Although most carnivores are resistant to plague, they seroconvert when exposed, thereby making them good indicators of local plague activity.

Plague Seronegative Specimens

<i>County</i>	<i>Aoudad</i>	<i>Badger</i>	<i>Bobcat</i>	<i>Cat</i>	<i>Coyote</i>	<i>Dog</i>	<i>Gray Fox</i>	<i>Red Fox</i>	<i>Hog</i>	<i>Javelina</i>	<i>Mt. Lion</i>	<i>Opossum</i>	<i>Porcupine</i>	<i>Prairie Dog</i>	<i>Raccoon</i>	<i>Ringtail</i>	<i>Skunk</i>	<i>Total</i>
Bandera							7											7
Bastrop							1											1
Bee																	2	2
Bexar					1		2					63			59		112	237
Blanco							6								5			11
Borden			2		4		1											7
Brazoria					1													1
Brewster	1		2				4											7
Burnet					2		17	1							9			29
Callahan							1											1
Cameron					4													4
Chambers			1		6		2		4						3			16
Cochran														1				1
Coke			1		1			1										3
Coleman					5													5
Collin					3													3
Comal					4		5								1			10
Coryell					15		3		17						5			40
Cottle					2				4									6
Crane					14													14
Crockett			6				1	3										10

<i>County</i>	Aoudad	Badger	Bobcat	Cat	Coyote	Dog	Gray Fox	Red Fox	Hog	Javelina	Mt. Lion	Opossum	Porcupine	Prairie Dog	Raccoon	Ringtail	Skunk	Total
Culberson			1		8						1							10
Dallas					2		2	1							80		1	86
Denton												1			1			2
De Witt					1													1
Dimmit		1	2		19				1									23
Duval			1		5													6
Eastland					1													1
Edwards			15		1		5		45						41		2	109
Erath					1													1
Frio					1		1											2
Glasscock			1		1													2
Hidalgo		3	4		70	1						1			25			104
Howard							1											1
Hudspeth		11	15		64		1	8							2			101
Irion					1													1
Jefferson					6													6
Jim Hogg					95				11									106
Jim Wells		1	4		14							2			2			23
Karnes					1													1
Kendall							14								5	1		20
Kenedy					92				4									96
Kerr									1									1
Kinney			6	3	14		11	2	10						18		1	65

<i>County</i>	Aoudad	Badger	Bobcat	Cat	Coyote	Dog	Gray Fox	Red Fox	Hog	Javelina	Mt. Lion	Opossum	Porcupine	Prairie Dog	Raccoon	Ringtail	Skunk	Total
Kleberg					1													1
Lampasas							2											2
La Salle			9		87		2		8						2			108
Leon					3													3
Liberty					1													1
Llano							9								7			16
Matagorda					3													3
Maverick					29				1									30
Medina			1		2		1											4
Midland							1											1
Mills					2													2
Mitchell			2		41										2			45
Nolan			1				4								2			7
Nueces					3													3
Pecos			3		8						1							12
Potter														4				4
Presidio							2				1							3
Reagan					2													2
Real			1				2		18									21
Reeves											1							1
San Saba					2													2
Scurry					4													4
Stephens					7													7

<i>County</i>	Aoudad	Badger	Bobcat	Cat	Coyote	Dog	Gray Fox	Red Fox	Hog	Javelina	Mt. Lion	Opossum	Porcupine	Prairie Dog	Raccoon	Ringtail	Skunk	Total
Sterling			2		3													5
Tarrant								1							28			29
Taylor					6		6								2			14
Terrell											1							1
Tom Green			1															1
Travis							2								2			4
Upton			2		2													4
Uvalde			3		13	1	4		9						3			33
Val Verde	2	4	49		3		79	1	2				2		121	1		264
Victoria					5													5
Webb			5		130				10	1								146
Willacy					1													1
Williamson					2													2
Wise							2											2
Zavala			1		15				1									17
<i>Total</i>	3	20	141	3	834	2	201	18	146	1	5	67	2	5	425	2	118	1993