Supplement - Annual Summary of Morbidity Reports for 1982

**BUREAU OF EPIDEMIOLOGY** 

1100 West 49th Street, Austin, Texas 78756 (512-458-7207) -

## ANNUAL SUMMARY OF MORBIDITY REPORTS FOB 1982

During week number 25, ending June 26, 1982, "Texas Morbidity This Week" was renamed "Texas Preventable Disease News." This change was instituted to reflect a new, Departmental emphasis on preventable disease rather than merely communicable disease.

Morbidity totals published in this report represent the final figures on the reported incidence of notifiable diseases during 1982. Week number 1 of each year is the week containing January 4th; therefore, the actual period of time included in the reporting year of 1982 extended from January 3, 1982, through January 1, 1983, and consisted of 52 standard report weeks. (A report week is defined as Sunday through Saturday.) The cumulative totals published in "Texas Preventable Disease News," week number 52, ending January 1, 1983, may differ somewhat from 'the totals presented in this report. The addition of delayed reports, removal of duplicate reports, and other updates made to the morbidity files account for these differences.

The morbidity figures in this report represent cases reported to the Texas Department of Health (TDH) from 243 of the 509 reporting agents throughout Texas. The methods of collecting morbidity data during 1982 were similar to those of previous years, and because the basic reporting mechanisms have remained consistent over time, the data may be compared with previous years.

These figures include only notifiable diseases reported in residents of Texas, and the county totals indicate county of residence of the case rather than county of disease occurrence. Reports of notifiable diseases occurring in out-of-state residents were referred through an interstate reciprocal notification system to the appropriate state health departments for investigative and reporting purposes. Cases referred to other states through this system are not included in this summary; however, morbidity data provided to the TDH from 23 state health departments across the United States are included in this report.

## Current Trends in Reportable Diseases

Several increases and numerous decreases in the incidence rates per 100,000 population for reportable diseases were noted in Texas during 1982 and are listed in Table 1. It is also important to note that in Texas last year no cases of the following diseases were reported:

Anthrax
Cholera
Congenital rubella syndrome
Encephalitis, Venezuelan equine
Poliomyelitis, paralytic

Q fever Rabies in man Smallpox Typhus, epidemic Yellow fever

## Texas Department of Health

Texas recorded one case of plague in 1982 when a 23-year-old Hispanic male from Odessa died on January 10. This was the first case of indigenous human plague in Texas since 1920 when 32 cases with 18 deaths were reported from Galveston. The 1920 cases were also the first cases of plague ever reported in Texas.

Arboviral disease activity in 1982 included small outbreaks of St. Louis encephalitis (SLE) which occurred in Harris, Jefferson, and Victoria Counties where seven, seven, and three cases were reported, respectively. There was an additional isolated case reported from Brazoria County. This distribution of cases was remarkably similar to that in 1980 when a total of 69 cases of SLE were reported in Texas. The number of cases of western equine encephalitis (WEE) reported last year in the state remained the same as in 1981; one case each was reported in Hockley, Lamb, Lubbock, and Potter Counties. Only two cases of dengue were reported in Texas 1982; both were imported in to the state from Mexico. (The last indigenous case of dengue in Texas occurred in 1980.)

Significant decreases in the "childhood" diseases preventable by immunization were noted in 1982. For the fourth straight year, Texas was free of polio; only one case of diphtheria was reported; and pertussis continued the downward trend which began in 1979. In spite of a major outbreak (102 cases) of measles which occurred on the Baylor University campus in the fall of 1982, Texas experienced the lowest number of measles cases ever reported in a single year. The 120 cases of rubella scattered throughout the state were also the lowest ever reported in Texas, and 1982 marked the first year since 1968 that no cases of congenital rubella syndrome were reported.

The number of hepatitis type B cases reported in Texas continued to rise in 1982. An average increase of 66 cases per year was noted between 1974 and 1981, yet in 1982, there was an increase of 220 cases, bringing the total for the year to 1,043 cases, the highest ever reported in the state. Possible factors responsible for this observed increase may be that physicians are actually diagnosing and treating more cases of hepatitis type B than in the past; or that laboratory tests for hepatitis type B, which have been improved to allow for a more accurate diagnosis of the disease, have in turn stimulated compliance in reporting the disease. As the diagnosis and reporting of hepatitis type B continue to improve, a more accurate assessment of trends in Texas can be made.

The overall number of cases of rabies in animals (796) increased 14% from the 698 cases reported in 1981. Wild animals accounted for 86% of the total cases, whereas 14% were reported in domestic animals (cats, dogs, cows, and horses).

Increased interest in preventable infectious diseases may be one reason many reporting agents have voluntarily included other diseases and/or conditions not currently required by law to be reported in their weekly reports. During 1982, 438 cases of <a href="Hemophilus influenzae">Hemophilus influenzae</a> meningitis, 90 cases of pneumococcal meningitis, and 270 cases of unspecified bacterial meningitis, as well as 30 cases of Reye syndrome, 24 cases of toxic shock syndrome, 11 cases of Legionnaire's disease, and over 600 cases of giardiasis were voluntarily reported to the Texas Department of Health from reporting agents across the state.

The 41 cases of endemic typhus (murine typhus) reported by Texas physicians in 1982 represented 73% of the nation's 56 cases reported (provisionally) in 1982. This was consistent with the high percentages reported by Texas in recent years.

The "Reported Morbidity and Mortality in Texas - 1982 Annual Summary" is currently being prepared for publication. This report will provide additional epidemiological

descriptions of communicable disease activity in Texas, incidence rates, mortality data, and an overview of special surveillance activities conducted by the Bureau of Epidemiology during 1982. This report should be ready for distribution by September 1, 1983, and copies may be obtained by forwarding a request directly to:

Texas Department of Health Bureau of Epidemiology 1100 West 49th Street Austin, Texas 78756

Table 1
REPORTED CASES OF SELECTED DISEASES PER 100,000 POPULATION IN TEXAS
BY PERCENTAGE INCREASE/DECREASE, 1982 AND 1981 COMPARED

DISEASE ******	1982 RATE ***	1981 RATE ****	PERCENT INCREASE ******
Chickenpox	73.94	73.73	0.3
Encephalitis, St. Louis	0.12	0.03	300.0
Encephalitis, viral, unspecified	1.05	0.62	69.4
Hepatitis, type A	21.59	18.54	16.5
Hepatitis, type B	6.98	5.61	24.4
Hepatitis, type unspecified	13.86	10.95	26.6
Leptospirosis	0.12 5.25	$0.06 \\ 4.24$	100.0 23.8
Meningitis, aseptic	3.23 1.71	1.55	10.3
Mumps  Palancing forces	0.03	0.01	200.0
Relapsing fever Rocky Mountain spotted fever	0.43	0.31	38.7
Streptococcal sore throat/scarlet fever	317.67	313.84	1.2
Syphilis, primary & secondary (civilian)	42.41	36.30	16.8
syphinis, primary a secondary (civilian)	.2	30.30	10.0
	1982	1981	PERCENT
Dide vae	RATE	RATE	DECREASE
DISEASE	***	****	****
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Amebiasis	3.30	4.11	19.7
Botulism	0.01	0.03	66.7
Brucellosis	0.18	0.31	41.9
Gonorrhea (civilian)	545.90	557 • 37	2.1
Hansen's disease	0.19	0.22	13.6
Influenza & flu-like illness	627.25	980.62	36.0
Malaria	0.37	0.59	37.3
Measles	0.86	5.80 2.23	85.2 28.7
Meningococcal infections	1.59	0.62	14.5
Pertussis	$0.53 \\ 0.05$	0.02	16.7
Psittacosis	0.03	0.00	33.3
Rheumatic fever	0.80	1.20	33.3
Rubella	16.77	17.79	5.7
Salmonellosis	14.54	15.66	7.2
Shigellosis Tuberculosis	13.68	13.73	0.4
Tularemia	0.11	0.16	31.3
Typhoid fever	0.28	0.87	67.8
Typhus fever, endemic	0.27	0.33	18.2
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OTHER COUNTIES:	ИО	COM	MUNIC	ABL	E DISEAS	ES:	0	01	THER DISEAS	ES ONL	Y: D	NOT	REPORTIN	G: D	
PUBLIC HEALTH REGION	7 TYL	ER,	ТX		PHONE:	21	4/595-3585		POPULAT	ΓΙΟΝ <b>=</b>	845,546				
COUNTIES															
AND ERSON BOW I E	2		1	* * *	1 7	1	* · 1 * 3 *		* *		*	69		* * *	4 7
CAH P C <b>as s</b>				*		2	* 1 *.		1 *		*			* *	1
CHE ROKEE DELTA			. 1	*		۷	*		*	:	1 *	75 3	16	* 168 *	6 2
FRA NKLIN GRE CG HAR RIS ON	1		2	* *	13	7 2	1 * 4 * *		* *	1	3 * 2 * *	692	116	* * 102	9
HEN <b>DERSON</b> HOP <b>KINS</b>			1	*	1	1	3 <b>*</b> *		1 *		1 *	48 22	6 5	* 456 * 152	4 1
LAH AR HAR ION HOR RIS				* *	3 1	. 2	70 * 1 * *		* *	: :	1 * *	3 4	4 7	* 7 * *	2 1
PAN OLA RAINS				*			1 * *		*	:	*	٠.	-	* * 410	1
RED RIVER RUSK				*	2		1 *		* *	:	*		-	<b>*</b>	
SMITH	4		5	*	8	_	1 *		2 *	:	1 *	569	29	* 3,150	8 16
TITUS UPSHUR	1 1			* *	2	1 1	*		* *		* 3 *	_		<b>*</b>	1 2
VAN ZANDT WOOD			3	*	1 7		2 *		1 *		1 * 1 *			* 257 * 70	
CUMULATIVE 1982	9		13	*	46.	21	* 89 *		10 *	r	1 +			* * 4,772	81
OTHER COUNTIES:	NO	COM!	MUNTC	ΔRI	E DISEAS	ES:	D	01	THER DISEAS	FS ONL	Y: <b>0</b>	NOT	REPORTING	G: <b>0</b>	
								O1				NOT	REPORTING	<b>э</b> : ц	
PUBLIC HEALTH REGION :	8 HAR	LINGE	EN, T	X	PHONE:	51	2/423-0130		POPULAT	ION =	1,368,835				
				*	_		*		*		*			*	
ARA NSAS BEC	1			<b>*</b>	3 3	1	2 * 3 *		*		* 1 *	11	•	* 60 * 594	
BRO OKS CAL HOUN				*	1 7	-	* 1 *		* 1 *		- · *			* * 625	1 1

													ANNUAL SUMM	MARY 198-2
	MENIN-	_			ATITIS B		I	NIZABLE:	ENOEM	ļ	VENERE	P&\$ !	MISC.:	TUBER- 5
	GITIS	INFEC	i	INFEC S	ERUM	UNSPEC	IMEASLES	RUBFLLA	TYPH	RMSF	G C	SYPH I	FLU-LIKE	CULOSIS
PUBLIC HEALTH REGION 8	8 HARI	_INGEN,	TX	PHONE	51	2/423-0	130	POPULA	TION =	1,368,835	(C	ONTINUED	FROM POIOR	PAGE J
CAMERON			6 *	41	3	10	<b>*</b> 1	5 ,		1 *	341		* 1,021	52
DE WITT DUV <i>A</i> L			1 *	t :			<b>*</b>		* * 1	*	2 G 5	•	*	4
GOL IAD			*	· •		1	*	,	÷ 1	*	3		*	
GONZALES			*	1			*	r .	<b>*</b>	*	33	-	* 160 * 167	1
HID ALGO JACKSON	ţţ		4 4	. 6	1	73	* .	5 ;	<b>*</b> 4 <b>*</b>	*	152 21 ·		* 1,034 *	58 1
JIM HOGG			*			1		. 3	¢	*	2		<b>*</b> 18	1
JIM <b>WELLS</b> KLE BERG	2		1 *	3 30	1	1		:	* 1 * 2	*	7 70	-	* 17 * 828	5 ,
LAV ACA	2	•	1 4	. 30		4	*		*	*	10	· ·	÷ 44	1
LIVE OAK			*	*			*		<b>*</b>	**	3		*	2.0
NUE CES REFUGIO	. 4		2 *	* 110 * 3	83	69	<b>*</b>	1	* 6 *	1 *	1,303 1		* 8,075 * 3	28 1
SAN PATRICIO			. 4	* 16	5	3		3		. *	26		*	. 12
STA RR			*	<b>k</b> .		1			<b>*</b> .	*	3	1	*	2
VICTORIA ₩EB <b>B</b>	8		1 *	* 6 * 45	- 6 - 5	13 39		5 : 12 :	* * . 2	*	215 61	10	* 1,642 * 2,267	8 36
WIL LACY				× 2		10		,	*	*	46		* 59	1
ZAP ATA			1 4	<b>x</b>			*	1	*	*	13		. <b>☆</b>	1
CUMULATIVE 1982	19	. :	16	± 277	105	231	<b>*</b> 1	33	* * 24	3 <b>*</b>	2,396	183	* 19,347	218
OTHER COUNTIES:	NO	COMMUI	NICAI	BLE DISEA	SES:	Ø	0	THER DISEAS	SES ONL	Y: 1	NOT	REPORTIN	G: <b>1 (</b> Kene	dy)
												•		
PUBLIC HEALTH REGION	9 UVA	LDE, T	X	PHONE	: 51	2/278-	7173	POPULA	TION =	1,409,935				
COUNTIES							*		•	*			•	
ATA SCOSA	1		;	* 4		3			*	*	4	1	* 48	6
BAN OERA			:	<b>*</b>	<b>-</b>		*	-	*	*	4	2	* 5 710	126
BEX AR Con AL	109		10 :	* 245 * 10	34 3	16	*	5 2	* 1 *	3 * *	4,302 14	312 8	* 5,718 *	136 1
DIMMIT			:	*			*	1	* .	.*	1		<b>*</b> 246	4
EDW ARDS Frio			;	<b>*</b>		1	*		*	*	7	,	* 10	2
GILLLSPIE				* * 1		2			*	*	9	1	* * 57	2
GUA DALUPE	1		:	<b>*</b> 2			*		*	*	19	. 4	*	1
KAR NES KEN DALL	1		:	* * 2		1	*		*	*	8 2		* 150 * 21	1
KER R	1			*		i			*	1 *		1	* 21	6
K I N NEY	_			*			*		*	*			*	1
HAW ERICK MED INA	2			* * 3		1	*		*	*	1	1	* *	8 2
REA L	2			* 1			*		*	*		1	* 6	۷
UVA LDE				*	_	2	*`.		*	*		2	* 4	6
VAL VERDE ₩ILSON	1			* 6 * 1	2 1		*		*	* *	13 6	1	* 3 * 9	17 1
ZAV ALA	_	•	_	* 4	1	16	*		*	*	3		* 315	3
LA SALLE														; 1

															1A	NNUAL SUM	MARY 1982
		MENINGO COCCAL INFEC	İ	A	ATITIS B ERUM U	ı	IMMUI		I E	NDEM	RMSF		VENER	P&S		MISC. LU & LU-LIKE	: TUBER- CULOSIS
PUBLIC HEALTH REGION	9 <b>UV</b> A	LDE, TX		PHONE	: 512	2/278-71	.73	POPU	JLATIOI	v <del>=</del>	1,409,93	5	( (	CONTINUE	0 FF	ROM PRIOR	PAGE )
CUMULATIVE 1982	117	11	*	279	41	43 *			* 8 *	1	4	* *	4,411	335	* *	6,587	196
OTHER COUNTIES:	NC	COMMUNI	CABL	E DISEAS	SES:	٥	0	THER DIS	EASES	ONL	r: 0		NOT	REPORTII	NG:	0	
PUBLIC HEALTH REGION	10 NAC	OGDOCHES	, TX	PHONE:	713	3/560-30	158	POPU	LATIO	N =	673,5	13					
COUNTIES																	
ANG ELINA HAR DIN	1	. 1	*		1	7 ± 2 ±	1		* *			* *	343 57	26 7	*	131	6 2
HOUSTON JAS PER			*		1	*	£		*		2	*	65 76	10 5	*	6	1 2
JEFFERSON NAC OGDOCHES NEW TON	7 2	5 2 1	*	48	28	21 4	; ; <b>;</b>		4 * *	1	1	*	2,337 166 7	133 8		664	19 5 4
ORA NGE POLK SABINE		3 1	* * *	6	1	2 x	k *		*			* *	242 20 7	30 1	* *	1	<b>5</b> 5
SAN AUGUSTINE	,		*			*	k V		*		1	*	34 33	1	*		2 1
SAN JACINTO SHELBY			*		2	1 4			*			*	23	3	*	60	2
TRINITY		•	*			*	r		*			*	36	2	*		3
TYLER			*			1 *	k K		*			*	5		*		
CUHULATIVE 1982	10	11	*	56	34	34 4	1		4 *	1	5	*	3,451	227	*	862	57
OTHER COUNTIES:	NC	COHMUNI	CABL	E DISEAS	SES:	0	0	THER DIS	EASES	ONL	Y: <b>D</b>		NOT	REPORTI	NG:	σ	
PUBLIC HEALTH REGION	11 ROS	SENBERG,	ТX	PHONE	: 713	3/342-86	85	POPL	JLATIO	N =	3,512,1	80					
COUNTIES																	
AUS TIN BRAZORIA CHA MBERS COL ORADO FORT BEND GAL VESTON	. 1 6 12	5 1 2 5	*	1 7 2 1 20 1	1 1 10 2	1 × 4 × 1 × 15 × 4 ×	* * * * 1 *		* 1 * * 1 * * 1 *	1		* * * * * *	2 162 4 10 102 991	3 37 3 16 44	* * * *	617	1 17 2 19 23
HAR RIS LIBERTY HAT AGORDA HON TGOMERY WALKER WALLER	194	l	*	286 1 10 25	219 2 1 5	511 *	* * *		7	2	1	* 2 * * * * * * *	28,444 34 6 177 102 67	2,424 17 3 21 4	* *	3,056 842	698 2- 2 7- 23

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						<b></b> _												RROAL SOM	
		[ N –	MENING COCCAI INFEC		ł	A	PATIT B Serum	IS: UNSPEC	     ME	-	IZABLE:	ENDEM	TTSIAL:	1	VENERI GC	P & S		MISC. LU-LIKE	TUBER-3
PUBLIC HEALTH REGION	11	ROS	ENBERS	 • TX	•	PHONI	 E: 7	13/342-	8685	·	POPULA	TION =	3,512,180	•	((	CONTINUE	D F	ROM PRIOR	PAGE)
UHARTON		3		1	*	1	. 3	ŧ	*		1.	*		*	161	2	*	3	
OTARTON		J			*	•	,		*			*		*	10.		*	<b>-</b>	
CUMULATIVE 1982		223		57	*	355	244	544	*	1	11	* 3	5	* :	30,262	2,579	*	4,518	80(
OTHER COUNTIES:		NO	COMMU	INICA	BL	E DISE <i>A</i>	ASES:	0		ОТ	HER DISEA	SES ONL	Y: 0		NOT	REPORTI	NG:	8	
PUBLIC HEALTH REGION	1 2	MID	LAND,	TX		PHONI	E:				POPULA	ATION =	357,23	1					
COUNTIES																			
AND REWS Bor Den				1	* *	21	. 2		* * *			* * *		*	21	2	*	293	
CRANE OAJSON		1			*	9	1	i i	*	÷	1	<b>≠</b> .		*	19		*	223	
ECT OR		ī			*	23	7		*		2.	*		*	427	52	*	341	1.
G A I NES		_	,		*	. 2			*		_	*		*	5	1	*		
HOY ARD		1			*	1		1		1	1	*		*	50	6	*	109	1
MAR TIN					*				*			*		*	2		*	3	. i
MIDLAND		2		1	*	3	1	1 3	*		1	*		*	463	52	*	701	
PEC <b>0S</b>		3			*	8			*			*		*	3		*	4	:
REE VES					*	10	1	1 15	<b>*</b>			*		*	. 10		*	139	
TER RELL			*		*	1			*			*		*	2		*		
UPT ON			•		*			_	*			*		*	4		*		:
WAR 0					*	4		2	*			*	٠.	*	26	1	*	*	
YINKLER		1		1	*	5	. 1	1 1	. *			*	٠	*	1		*	72	<u>;</u> :
CUMULATIVE 1982		9	•	3	*	87	15	5 112	*	1	5	*		*	1,034	114	*	1,885	. 2!
OTHER COUNTIES:		NO	COMMU	NICA	BL.	<b>E</b> DISE/	ASES:	0		0-	THER DISEA	SES ONL	_Y: <b>0</b>		NOT	REPORTI	NG:		asscock, oving)
OTHER REPORTING SOURCE	CES																		
ARMED FORCES V.A. HOSPITALS		1 4		1	ф <del>Š</del>	19	32	2 <b>5</b> 4 <b>1</b>	! * *		2	* *		* *	2,465	126	*	7,050 5	
CUMULATIVE 1982		14		1 .	*	19	3:	3 54	. *		2	•		*	2.465	126	*	7.055	

OTHER REPORTABLE DISEASES		CUML	JLATIVE
OTHER REPORTABLE BISEASES	1980	1981	1982
AMEBIASIS ANTHRAX BOTULISM BRUCELLOSIS CHICK ENPOX	355 0 0 28 9,478	604 0 4 45 10,824	493 0 1 27 11,050
CHOLERA DIPHT HERIA ENCEPHALITIS ST. LOUIS ENCEPHALITIS, WESTERN EQUINE ENCEPHALITIS, VENEZUELAN EQUINE	0 1 68 0	3 0 4 4 0	0 1 18 4
ENCEPHALITIS, ALL OTHER LEPROSY (HANSENS DISEASE) LEPTO SPIROSIS WALARIA HALARIA ACQUIRED OUTSIDE USA	64 32 3 0 115	91 33 9 2 85	157 29 18 0 55
MUMPS PERTUSSIS PLAGUE POLIO MYELITIS, PARALYTIC PSITT ACOSIS	212 82 0 0 8	227 91 0 0 9	255 79 1 0 8
Q FEVER RABIES IN MAN RELAPSING FEVER RHEUMATIC FEVER RUBELLA CONGENITAL SYNUROME	2 0 1 15	0 1 18 1	1 0 4 12 0
SALWONELLOSIS SHIGELLOSIS STREP THROAT & SCARLET FEVER SHALL POX TETANUS	2,457 2,162 32,113 0 14	2,612 2,299 46,072 0	2,506 2,173 47,473 0 8
TRICHINOSIS TULAR EMIA TYPHOID FEVER TYPHU S, EPIDEMIC YELLOW FEVER	6 12 67 0 0	2 23 127 0 0	2 16 42 0
RABIES IN ANIMALS	945	698	796