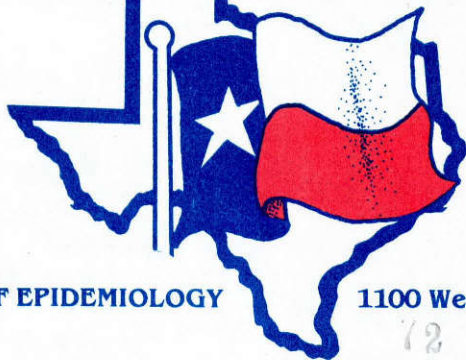


# Texas Preventable Disease NEWS



contents:

- Toxic-Shock Syndrome: A Continuing Problem
- Rabies Booster Immunizations With HDCV
- AIDS Cases in Texas By Year of Diagnosis
- PDN Renewal Form and Survey

BUREAU OF EPIDEMIOLOGY

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

OCT 1984  
JUL 26 1984

## TOXIC-SHOCK SYNDROME: A CONTINUING PROBLEM

The number of toxic-shock syndrome (TSS) cases reported has declined nationwide, but the incidence in Texas has remained fairly constant since September 1980 when a voluntary reporting system was instituted. Ninety-eight cases have been reported with dates of onset between August 1978 and May 1983 (Figure 1). Since 1980, an average of 27 cases have been reported each year. Eleven cases have been reported for the first 2 quarters of 1983.

Tampon-related cases have accounted for 89% of all Texas TSS cases. Ages of these cases ranged from 13 to 42 years with a mean of 23 years. Seven of these cases died, for a case-fatality rate of 8%. Apparently, most women with TSS do not associate their signs and symptoms with tampon usage. That is, these women continue to enter emergency rooms with tampons in place. Because of the extensive media coverage associating the use of Rely® tampons with TSS, many women may have a false sense of security regarding the use of other tampon brands. Tampon users should be reminded that TSS cases continue to occur in Texas even though Rely® brand tampons were voluntarily removed from the market in September 1980. Since that time, 59 women have developed TSS while using other major tampon brands -- e.g., Playtex®, Tampax®, Kotex®, and OB®.

A few TSS cases do occur in individuals not wearing tampons. Of the eleven cases in Texas not related to tampon usage, three occurred in males. Ages in these cases ranged from 8 to 26 years, with an average of 17 years. Three of these eleven cases died. Reporting of non-tampon related cases in Texas increased in mid-1982 possibly due to increased attention to these cases in the professional literature.<sup>1,2</sup>

Since TSS continues to occur in Texas, it is the responsibility of health professionals to educate women on the risk factors of TSS and its signs and symptoms. Women between 15 and 24 years of age should be specifically targeted for educational intervention. Of Texas cases, 61% of tampon-related cases were in this age group. The risk of developing tampon-related TSS can be greatly reduced by no longer wearing tampons. Should women choose to wear tampons, they may wish to use the less absorptive brands. The Tri-State TSS study found that women wearing high-absorbency tampons were at greater relative risk of developing TSS than were women wearing low-absorbency tampons.<sup>3</sup> Also, intermittent use of tampons (i.e., use of tampons during the day and pads at night) may reduce the TSS risk.<sup>4</sup> Finally, women should be told to immediately remove their tampons if they develop high fever, nausea, vomiting, diarrhea, and myalgias with or without a rash and to seek medical attention without delay.

The author would like to thank health professionals who have reported TSS cases; continued voluntary reporting of this disease is encouraged. Report forms can be obtained from the Bureau of Epidemiology, Texas Department of Health, 1100 W. 49th Street, Austin, Texas 78756 or by calling (512) 458-7328 or STS 824-9328.

This report was prepared by Deborah L. Martin, R.N., M.N., Bureau of Epidemiology, Texas Department of Health.

NTSU LIBRARY

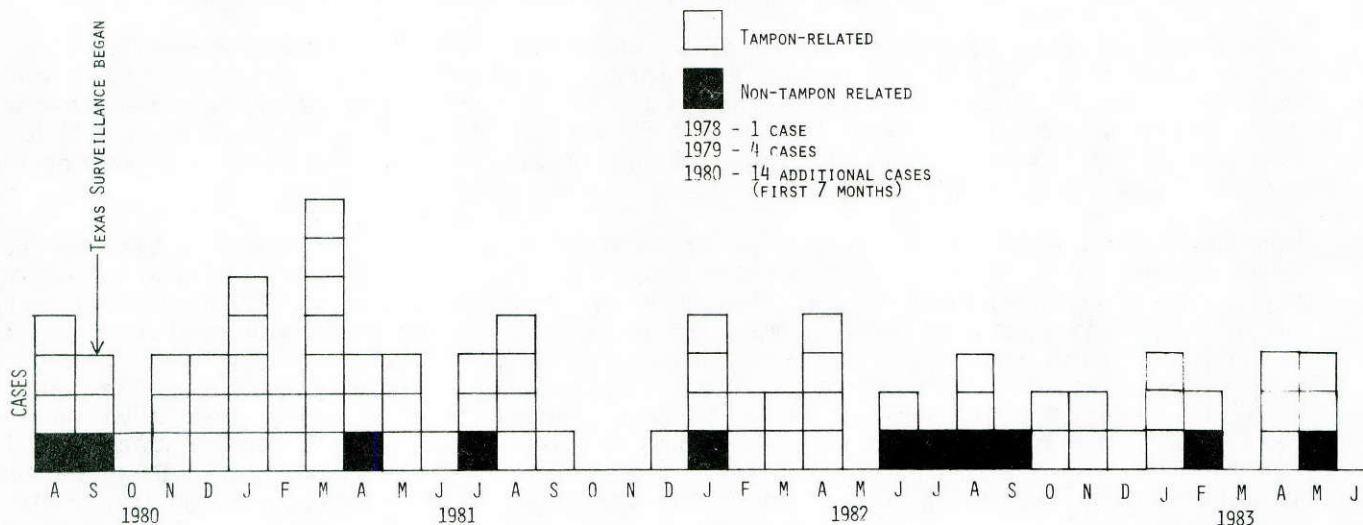
NON-CIRCULATING

Texas Department of Health

REFERENCES:

1. Reingold AL, Dan BB, Shands KN, et al. Toxic-shock syndrome not associated with menstruation: a review of 54 cases. Lancet 1982; 1-4.
2. Reingold AL, Hargrett NT, Dan BB, et al. Nonmenstrual toxic shock syndrome: a review of 130 cases. Annals of Internal Medicine 1982; 96 (Part 2):871-874.
3. Osterholm MT, Davis JP, Gibson RW, et al. Tri-state toxic-shock syndrome study: I. Epidemiologic findings. J Infect Dis 1982; 145:431-440.
4. Shands KN, Schmid GP, Dan BB, et al. Toxic-shock syndrome in menstruating women: association with tampon use and Staphylococcus aureus and clinical features in 52 cases. N Engl J Med 1980; 303:1436-1442.

Figure 1. Cases of TSS Reported in Texas by Date of Onset, 1978-1983



RABIES BOOSTER IMMUNIZATIONS WITH HDCV

**MAINTAINING PRE-EXPOSURE STATUS:** Persons with a continuing risk of exposure to rabies should receive a one-milliliter dose of Human Diploid Cell Vaccine (HDCV) every two years after the basic pre-exposure series.

**IF PREVIOUSLY IMMUNIZED PERSON IS EXPOSED TO RABIES:** Persons who have been previously immunized with HDCV (either pre-exposure or post-exposure series) should be given two doses of HDCV, one immediately and one three days later. Rabies Immune Globulin (RIG) should not be given. If the person's last immunization was not with HDCV, then use the two-dose booster schedule only if an adequate antibody titer was demonstrated at that time. Otherwise, a single dose of RIG and the regular five-dose series of HDCV should be given.

**SEROLOGIC TESTING:** Routine serologic testing for rabies antibody is no longer recommended except when an immune deficiency exists in the person receiving HDCV. In such cases, sera should be submitted through the Bureau of Laboratories, Texas Department of Health, to the Centers for Disease Control. Specimens must be accompanied by documentation regarding the immune deficiency.

\*\*\*

AIDS CASES IN TEXAS BY YEAR OF DIAGNOSIS

1980	1981	1982	1983
1	5	19	32





ASEPTIC MENINGO- MENIN- COCCAL GITIS INFEC	HEPATITIS: A B INFEC SERUM UNSPEC	IMMUNIZABLE: MEASLES RUBELLA	RICKETTSIAL: ENDEM TYPH RMSF	VENEREAL: P&S GC	MISC.: FLU & FLU-LIKE	TUBER- CULOSIS
--	---	---------------------------------	------------------------------------	------------------------	-----------------------------	-------------------

CUMULATIVE FOR THE STATE POPULATION = 15,345,761

CASES RPTD THIS WEEK	67	3 *	43	30	68 *	0	1 *	2	4 *	1,793	136 *	545	18
5-YR MEDIAN 1978-1982	24	2 *	55	13	42 *	7	3 *	0	1 *	1,756	106 *	723	48
CUMULATIVE 1983	634	132 *	1,641	723	1,368 *	35	86 *	18	82 *	51,137	4,086 *	69,692	1,133
CUM. SAME WEEK 1982	410	178 *	2,026	655	1,236 *	14	83 *	22	38 *	53,275	3,988 *	67,206	1,187

PUBLIC HEALTH REGION 1 CANYON, TX PHONE: 806/655-7151 POPULATION = 385,411

COUNTIES

DEAF SMITH	*	*	*	*	*	*	*	*	*	*	*	*	*
HUTCHINSON	*	*	*	*	*	*	*	*	4	*	2	*	37
RANDALL	*	*	1	*	*	*	*	*	*	*	*	*	*
CASES THIS WEEK	*	*	1	*	*	*	*	*	4	*	2	*	37
CUMULATIVE 1983	1 *	*	24	13	1 *	*	2 *	*	938	*	25	*	3,922

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 3 OTHER DISEASES ONLY: 3 NOT REPORTING: 16

PUBLIC HEALTH REGION 2 LUBBOCK, TX PHONE: 806/797-4331 POPULATION = 379,488

COUNTIES

BAILEY	*	*	*	*	*	*	*	*	*	*	*	*	*
FLOYD	*	*	*	*	*	*	*	*	1	*	*	*	*
HALE	*	*	*	*	*	*	*	*	*	*	2	*	1
HOCKLEY	*	*	*	*	*	*	*	*	9	*	*	*	*
LUBBOCK	*	*	*	*	*	*	*	*	10	*	*	*	27
TERRY	*	*	*	*	*	*	*	*	*	*	2	*	*
CASES THIS WEEK	*	*	*	*	*	*	*	*	20	*	4	*	27
CUMULATIVE 1983	6	1 *	31	7	22 *	*	2 *	*	780	*	40	*	4,544

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 2 OTHER DISEASES ONLY: 0 NOT REPORTING: 7

PUBLIC HEALTH REGION 3 EL PASO, TX PHONE: 915/779-3531 POPULATION = 553,858

COUNTIES

EL PASO	*	*	1	1	1 *	*	*	*	40	*	1	*	*
CASES THIS WEEK	*	*	1	1	1 *	*	*	*	40	*	1	*	*
CUMULATIVE 1983	3	4 *	51	25	56 *	1	3 *	*	1,824	*	112	*	24

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 0 OTHER DISEASES ONLY: 0 NOT REPORTING: 5

ASEPTIC MENINGITIS	HEPATITIS:	IMMUNIZABLE:	RICKETTSIAL:	VENEREAL:	MISC.:	TUBER- CULOSIS			
							COCCAL INFECTION	A SERUM	B UNSPEC

PUBLIC HEALTH REGION 4 ABILENE, TX PHONE: 915/673-5231 POPULATION = 678,887

COUNTIES

BROWN	*	*	*	*	*	*
COLEMAN	*	*	*	*	*	*
NOLAN	*	*	*	*	*	*
SCURRY	*	*	*	*	*	*
TAYLOR	*	1	*	1	*	*
TOM GREEN	*	*	*	*	*	*
WICHITA	*	*	*	*	*	*
CASES THIS WEEK	*	1	*	1	*	*
CUMULATIVE 1983	26	* 133	34	63	* 11	* 1
					* 1	* 1
					* 1,006	* 33
						* 8,041
						* 23

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 7 OTHER DISEASES ONLY: 1 NOT REPORTING: 29

PUBLIC HEALTH REGION 5 ARLINGTON, TX PHONE: 817/460-3032 POPULATION = 3,481,003

COUNTIES

COLLIN	*	*	*	*	*	*
COOKE	*	*	*	*	*	*
DALLAS	10	*	20	5	*	*
DENTON	*	*	1	*	*	*
ELLIS	*	*	*	*	*	*
ERATH	*	*	*	*	*	*
GRAYSON	*	*	*	*	*	*
KAUFMAN	*	*	*	*	*	*
NAVARRO	*	*	*	*	*	*
ROCKWALL	*	*	*	*	*	*
TARRANT	13	1	*	6	6	19
WISE	*	*	*	*	*	*
CASES THIS WEEK	23	1	*	27	11	19
CUMULATIVE 1983	148	47	*	694	242	369
					1	8
					1	56
					* 14,817	* 1,139
						* 5,996
						* 226

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 1 OTHER DISEASES ONLY: 0 NOT REPORTING: 6

PUBLIC HEALTH REGION 6 TEMPLE, TX PHONE: 817/778-6744 POPULATION = 1,451,983

COUNTIES

BASTROP	*	*	*	*	*	*
BELL	*	*	*	*	*	*
BOSQUE	*	*	*	*	*	*
BRAZOS	*	*	1	*	*	*
CALDWELL	*	*	*	*	*	*
					*	2
					* 11	*
					* 10	*

ASEPTIC MENINGO- MENIN- COCCAL GITIS INFEC	HEPATITIS:			IMMUNIZABLE:		RICKETTSIAL:		VENEREAL:		MISC.:		TUBER- CULOSIS
	A	B	UNSPEC	MEASLES	RUBELLA	ENDEM	RMSF	GC	P&S SYPH	FLU & FLU-LIKE		

PUBLIC HEALTH REGION 6    TEMPLE, TX    PHONE: 817/778-6744    POPULATION = 1,451,983    (CONTINUED FROM PRIOR PAGE)

FREESTONE	*			*		*		*	3		*						
HAYS	*			*		*		*	1		*						
LIMESTONE	*			*		*		*	1		*	13					
MCLENNAN	*	1		*		*		*	9	1	*						
MILAM	*			*		*		*	7		*						
TRAVIS	15	*	5	3	2	*		*	210	3	*	2					
CASES THIS WEEK	15	*	6	4	2	*		*	259	4	*	17					
CUMULATIVE 1983	93	6	*	64	49	63	*	9	*	1	9	*	3,823	397	*	10,558	54

OTHER COUNTIES:    NO COMMUNICABLE DISEASES: 4    OTHER DISEASES ONLY: 1    NOT REPORTING: 14

PUBLIC HEALTH REGION 7    TYLER, TX    PHONE: 214/595-3585    POPULATION = 866,604

## COUNTIES

BOWIE	1	*		*		*		*	9		*					
CAMP		*	1	*		*		*	1		*					
CASS		*		*		*		*	8		*					
GREGG		*		*		*		*	28	1	*	2				
HARRISON		*	1	*		*		*	1	1	*					
HENDERSON		*		*		*		*			*	5				
LAMAR		*		1	*	*		*	25		*					
MARION		*		*		*		*	1	3	*					
PANOLA		*		*		*		*	6		*					
RED RIVER		*		*		*		*	3		*					
RUSK		*		*		*		*	1		*					
SMITH		*		*		*		*			*	38				
UPSHUR		*		*		*		*	1		*					
VAN ZANDT	1	*		*		*		*	2		*					
WOOD		*		*		*		*	2		*					
CASES THIS WEEK	1	1	*	2	1	*		*	88	5	*	45				
CUMULATIVE 1983	19	6	*	19	16	58	*	11	*	6	*	1,808	160	*	3,976	50

OTHER COUNTIES:    NO COMMUNICABLE DISEASES: 1    OTHER DISEASES ONLY: 1    NOT REPORTING: 6

PUBLIC HEALTH REGION 8    HARLINGEN, TX    PHONE: 512/423-0130    POPULATION = 1,413,993

## COUNTIES

CALHOUN		*		*		*		*	1		*	4
CAMERON		*	1	*		*		*	12	2	*	159
GONZALES		*		*		*		*	6	2	*	
HIDALGO		*	4	*		*	1	*	4		*	10
JIM WELLS		*		*		*		*	3		*	
KLEBERG		*		*		*		*	5		*	
LAVACA		*		*		*		*	1	1	*	
NUECES	4	*		2	*	*	1	*	22	1	*	59

ASEPTIC MENINGITIS	MENINGOCOCCAL INFECTION	HEPATITIS:			IMMUNIZABLE:		RICKETTSIAL:		VENEREAL:		MISC.:		TUBERCULOSIS
		A	B	UNSPEC	MEASLES	RUBELLA	ENDEM TYPH	RMSF	GC	P&S SYPH	FLU & FLU-LIKE		

PUBLIC HEALTH REGION 8 HARLINGEN, TX PHONE: 512/423-0130 POPULATION = 1,413,993 (CONTINUED FROM PRIOR PAGE)

SAN PATRICIO	*	1	*	*	*	*	1	*							
VICTORIA	*		1	*	*	*	9	*	1	*		2			
WEBB	*	1		29	*	*	*	*		*		21			
WILLACY	*			*	*	*	1	*		*					
CASES THIS WEEK	4	*	2	3	34	*	2	*	65	7	*	255			
CUMULATIVE 1983	52	8	*	150	65	330	*	1	20	15	1	1,576	140	16,779	130

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 1 OTHER DISEASES ONLY: 2 NOT REPORTING: 11

PUBLIC HEALTH REGION 9 UVALDE, TX PHONE: 512/278-7173 POPULATION = 1,443,279

COUNTIES

BEXAR	12	*	3	1	*	*	*	*	70	3	*	1	6
COMAL		*	2		*	*	*	*	1		*	4	
EDWARDS		*			*	*	*	*			*	1	
KARNES		*			*	*	*	*			*	5	
KENDALL	1	*			*	*	*	*			*		
KERR		*			*	*	*	*		1	*		
VAL VERDE		*			*	*	*	*	1		*		
CASES THIS WEEK	13	*	5	1	*	*	72	*	4	*	11	6	
CUMULATIVE 1983	134	6	*	186	34	36	*	2	3	2,529	201	4,520	99

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 1 OTHER DISEASES ONLY: 1 NOT REPORTING: 12

PUBLIC HEALTH REGION 10 NACOGDOCHES, TX PHONE: 713/560-3058 POPULATION = 683,950

COUNTIES

ANGELINA	1	*			1	*	*	*	9		*		
HARDIN		*		1	*	*	*	*		1	*		
HOUSTON		*			*	*	*	*	1		*		
JEFFERSON	1	*	1	1	1	*	*	*	17	2	*		
NACOGDOCHES		*			*	*	*	*	3		*		
ORANGE		*			*	*	*	*	1		*		
POLK	1	*			*	*	*	*			*		
SAN JACINTO		*			*	*	*	*			*	3	
SHELBY		*			*	*	*	*	1		*		
TRINITY		*			*	*	*	*		1	*		
CASES THIS WEEK	3	*	1	2	2	*	*	*	32	4	*	3	
CUMULATIVE 1983	15	13	*	41	29	25	*	10	1	2,008	125	1,793	42

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 0 OTHER DISEASES ONLY: 0 NOT REPORTING: 5



ASEPTIC MENINGITIS	MENINGOCOCCAL INFECTION	HEPATITIS:			IMMUNIZABLE:		RICKETTSIAL:		VENEREAL:		MISC.:		TUBERCULOSIS
		A	B	INFECTION	SERUM UNSPEC	MEASLES	RUBELLA	ENDEMIC	TYPH RMSF	GC	P&S SYPH	FLU & FLU-LIKE	

PUBLIC HEALTH REGION 11 ROSENBERG, TX PHONE: 713/342-8685 POPULATION = 3,642,976

COUNTIES	ASEPTIC MENINGITIS	MENINGOCOCCAL INFECTION	HEPATITIS A	HEPATITIS B	HEPATITIS INFECTION	SERUM UNSPEC	MEASLES	RUBELLA	RICKETTSIAL ENDEMIC	RICKETTSIAL TYPH RMSF	VENEREAL GC	VENEREAL P&S SYPH	MISC. FLU & FLU-LIKE	TUBERCULOSIS	
BRAZORIA			*	*	*	*	*	*	*	*	*	*	*		
FORT BEND	1		*	*	*	*	*	*	1	*	1		*		
HARRIS	7	1	*	*	3	6	*	*	*	*	612	63	*	6	
LIBERTY			*	*	1	*	*	*	*	*			*		
MONTGOMERY			*	*		*	*	*	*	*	3		*		
CASES THIS WEEK	8	1	*	*	4	6	*	*	1	*	619	63	*	6	
CUMULATIVE 1983	127	36	*	*	165	180	255	*	32	2	5	17,834	1,530	2,199	420

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 2 OTHER DISEASES ONLY: 1 NOT REPORTING: 5

PUBLIC HEALTH REGION 12 MIDLAND, TX PHONE: POPULATION = 364,329

COUNTIES	ASEPTIC MENINGITIS	MENINGOCOCCAL INFECTION	HEPATITIS A	HEPATITIS B	HEPATITIS INFECTION	SERUM UNSPEC	MEASLES	RUBELLA	RICKETTSIAL ENDEMIC	RICKETTSIAL TYPH RMSF	VENEREAL GC	VENEREAL P&S SYPH	MISC. FLU & FLU-LIKE	TUBERCULOSIS	
ECTOR			*	*	2	*	*	*	*	*	6		*	16	
MIDLAND			*	*		*	*	*	*	*	11	1	*	12	
WINKLER			*	*		*	*	*	*	*		1	*	2	
CASES THIS WEEK			*	*	2	*	*	*	*	*	17	2	*	30	
CUMULATIVE 1983	6		*	*	45	14	70	*	5	*	585	85	*	2,289	15

OTHER COUNTIES: NO COMMUNICABLE DISEASES: 3 OTHER DISEASES ONLY: 1 NOT REPORTING: 10

OTHER REPORTING SOURCES

ARMED FORCES			*	1	1	*	*	*	*	26	1	*	2
V.A. HOSPITALS			*			*	*	*	*			*	
CASES THIS WEEK			*	1	1	*	*	*	*	26	1	*	2
CUMULATIVE 1983	5	2	*	18	15	20	*	1	*	1,609	99	*	5,051

OTHER REPORTABLE DISEASES	REPORTED THIS WEEK		CUMULATIVE	
	1982	1983	1982	1983
ACQUIRED IMMUNE DEFICIENCY SYNDROME (AIDS)		3		32
AMEBIASIS	19	10	317	245
ANTHRAX	0	0	0	0
BOTULISM	0	0	0	0
BRUCELLOSIS	1	4	12	53
CHICKENPOX	29	11	9679	13624
CHOLERA	0	0	0	0
DIPHTHERIA	0	0	1	0
ENCEPHALITIS, ST. LOUIS	0	0	0	1
ENCEPHALITIS, WESTERN EQUINE	0	0	0	0
ENCEPHALITIS, VENEZUELAN EQUINE	0	0	0	0
ENCEPHALITIS, ALL OTHER	4	0	85	62
LEPROSY (HANSENS DISEASE)	0	5	18	18
LEPTOSPIROSIS	0	0	6	0
MALARIA	0	0	0	0
MALARIA ACQUIRED OUTSIDE USA	1	0	35	33
MUMPS	4	3	151	149
PERTUSSIS	2	4	44	44
PLAGUE	0	0	1	0
POLIOMYELITIS, PARALYTIC	0	0	0	0
PSITTACOSIS	0	0	5	2
Q FEVER	0	0	1	0
RABIES IN MAN	0	0	0	0
RELAPSING FEVER	0	0	1	0
RHEUMATIC FEVER	0	0	7	11
RUBELLA CONGENITAL SYNEROME	0	0	0	0
SALMONELLOSIS	42	75	1110	1197
SHIGELLOSIS	52	64	1179	886
STREP THROAT & SCARLET FEVER	659	416	33151	26087
REYE SYNDROME		0		13
TETANUS	0	0	5	3
TRICHINOSIS	0	0	0	1
TULAREMIA	1	0	2	6
TYPHOID FEVER	0	2	17	24
TYPHUS, EPIDEMIC	0	0	0	0
YELLOW FEVER	0	0	0	0
RABIES IN ANIMALS	11	14	491	538

NTSU LIBRARY