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Epidemiologic Notes and Reports

Nosocomial Rubella Infection — North Dakota, Alabama, Ohio

Hospitals in North Dakota, Alabama, and Ohio have reported instances of medical personnel acquiring rubella from infants with congenital rubella syndrome (CRS). Each hospital has since strengthened its vaccination policies for medical personnel.

North Dakota: On December 3, 1979, a 2-month-old infant with suspected CRS was admitted to a hospital in Fargo, North Dakota. The infant had cataracts, hearing loss, congenital heart disease, microcephaly, and congenital glaucoma. CRS was confirmed by laboratory studies. The baby was discharged from the hospital on December 17. On December 26, a 27-year-old male physician who had attended the infant became ill with rubella. The diagnosis was confirmed by a rise in hemagglutinationinhibition (HI) antibody titer from 10 to 160. The physician had no history of rubella vaccination.

On January 19, the infant was readmitted to the same hospital. On February 4, a 29-year-old nurse who had cared for the infant became ill with rubella. The diagnosis was confirmed by a rise in HI antibody titer from <10 to 40. The nurse had no history of rubella vaccination. Although the infant had promptly been placed in strict isolation on both admissions, personnel susceptible to rubella had not been identified or excluded from caring for the infant. The hospital has since reinstituted its policy of requiring all female employees of childbearing age to undergo rubella screening before they are employed and recommends vaccination for all non-immune employees.

Alabama: A newborn male infant, whose mother had had laboratory-documented first-trimester rubella infection, was hospitalized at a regional newborn intensive care unit (RNICU) of a hospital in Birmingham, Alabama, on December 4, 1979. Three months earlier, a serologic survey had been conducted among nurses in the RNICU. Because the infant was suspected of having CRS, only known seropositive personnel were assigned to his care. Rubella virus was later recovered from the infant's throat, urine, and cerebrospinal fluid; mechanical ventilatory support was required during the initial period of his 17-day stay in the RNICU.

On December 15, because of a shortage of personnel, a 39-year-old nurse known to have had a rubella HI titer of <8* was assigned to care for the infant during a single 8-hour shift. On January 7, 1980, 23 days after her only exposure to the infant, the nurse had malaise, fever, arthritis, and postauricular lymphadenopathy. The HI titer in a convalescent phase serum specimen from this nurse was 128. (No other source of rubella was implicated despite a careful search.) No other known seronegative personnel were

was considered undetectable in this laboratory. A history of rubella vaccination or any detectable titer is consistent with immunity from subsequent viremic infection.

Nosocomial Rubella Infection - Continued

in direct contact with the infant and none contracted rubella; all have since been vaccinated.

No other cases were reported among hospital personnel or in the community. New employees at the hospital are now required to show proof of vaccination or be tested for rubella antibody. Vaccination is recommended for all susceptible staff members, and only immune personnel are assigned to the RNICU.

Ohio: In the period December 16, 1979-January 30, 1980, 4 infants with CRS were born at a Cleveland hospital. Rubella virus was isolated from all 4 infants, and 1 also had rubella-specific IgM antibody. All infants were placed in strict isolation shortly after birth. At that time, the hospital had no policy concerning rubella immunity among employees, but was formulating one. Later, 3 nurses who had had direct contact with 1 or more of the infants developed rubella, which was serologically confirmed by a 4-fold or greater rise in HI antibody titer. No other cases of rubella were found among hospital personnel or members of the community. The hospital now requires that each employee show proof of either rubella vaccination or serologic immunity to rubella.

Reported by G Johnson, MD, W Norberg, MD, R Miller, MD, Fargo Clinic, J Weaver, RN, St. Luke's Hospital, Fargo, North Dakota; K Mosser, State Epidemiologist, H Neugebauer, F Meyer, North Dakota State Dept of Health; B Foster, RN, M Drorsky, MD, S Stagno, MD, Dept of Pediatrics, University of Alabama Medical Center, Birmingham, Alabama; F Byrd, J Alexander, MD, WL Roper, MD, Jefferson County Dept of Health, Alabama; TJ Chester, MD, State Epidemiologist, Alabama State Dept of Public Health; ML Kumar, MD, Cleveland Metropolitan General Hospital; TJ Halpin, MD, MPH, State Epidemiologist, KM Sullivan, J Kelly, Ohio State Dept of Health; Surveillance and Assessment Br, Immunization Div, Bur of State Services, CDC.

Editorial Note: More than 70% of all persons in the United States reported to have rubella are >15 years old. This age group includes women of childbearing age, approximately 20% of whom are thought to be susceptible to rubella and thus at risk of having infants with CRS (1). Although a record low of 11,795 rubella cases was reported in 1979, CRS continues to occur.

Babies with CRS are known to excrete rubella virus and to be infectious (2). Viral excretion may be prolonged but decreases with time, so that by 1 year of age most infants no longer excrete virus. It is therefore crucial that, in addition to prompt, strict isolation, only personnel immune to rubella be allowed to care for or be in contact with infants with CRS. At the RNICU in Alabama, a single 8-hour exposure to an infant with CRS apparently resulted in the infection of a susceptible nurse. Although this nurse's incubation period is longer than that usually expected with rubella, no other source of infection was found. At the hospital in North Dakota, an infant with CRS, who had been in strict isolation, apparently infected a nurse and a male physician after contact during 2 separate hospitalizations 6 weeks apart.

The cluster of 4 cases of CRS over a 6-week period in Cleveland, Ohio, emphasizes the importance of continued rubella and CRS surveillance and early reporting of all CRS cases to the state health department and to the National Congenital Rubella Syndrome Registry. The secondary cases resulting from this outbreak also emphasize that susceptible personnel caring for babies with CRS are at risk of infection.

The Immunization Practices Advisory Committee (ACIP) urges hospitals to seek proof that employees—both male and female—are immune to rubella (3). This is particularly important for health-care personnel and does not exclude physicians, who tend to respond poorly to immunization guidelines (4,5). The only effective way to minimize

Nosocomial Rubella Infection — Continued

the probability that employees will contract or introduce and spread rubella is to ensure that a high percentage are immune.

References

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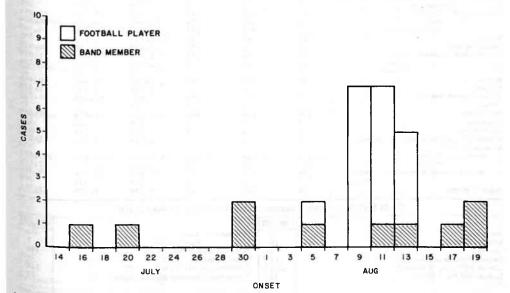
Aseptic Meningitis in a High School Football Team — Ohio

An outbreak of apparent enteroviral illness occurred in the period August 5-19, 1980, in a football team in Summit County, Ohio. Four of the players were hospitalized with aseptic meningitis.

Within a 24-hour period on August 11, 2 of the football players were seen at 2 different emergency rooms with complaints of photophobia and headache, and a third player was hospitalized by the team physician. The fourth was hospitalized on August 15. All 4 players had fever, headache, myalgias, stiff neck, nausea and vomiting, abdominal pain, and diarrhea. Laboratory findings revealed pleocytosis of the cerebrospinal fluid (CSF); CSF cultures for bacteria were negative.

Shortly after the onset of illness in the first 3 hospitalized players, 25 more players

FIGURE 1. Enteroviral illness* in a high school, Summit County, Ohio, July 15-August 19, 1980



Excludes 1 case where exact date of onset was unknown.

Aseptic Meningitis - Continued

complained of similar symptoms; many were seen in the office of the team physician-Because of the close temporal onset of meningitis in 4 players and complaints of illness among other football players, the county and state health departments were notified, and an investigation was begun.

The football squad was composed of 72 high school students from grades 10 through 12. Thirty percent (19/64) of the players questioned—including the 4 who were hospitalized—met the case definition for enteroviral illness, i.e., headache and 2 or more of the following symptoms: fever, nausea or vomiting, stiff neck, photophobia, or myalgias. The school band was the only other student group present in the school during the outbreak period. Ten (10%) of 106 of the band members also met the case definition (Figure 1).

Illness among the football players peaked August 9-11. The dates of onset of cases suggested either person-to-person transmission from someone who had had close contact with a large number of football players or a continuing common-source exposure. Cases among band members were scattered from July 16 through August 17. Review of emergency-room log books, hospital charts, and virus isolates indicated that enteroviral illness was prevalent in Summit County during the months of July and August 1980; however, the incidence rate among football players was manyfold higher than in the community.

(Continued on page 637)

TABLE I. Summary — cases of specified notifiable diseases, United States [Cumulative totals include revised and delayed reports through previous weeks.]

	53rd W	EEK ENDING	1691	CUMU	LATIVE, FIRST 53	WEEKS
DISEASE	January 3, 1981	December 29, 1979	MEDIAN 1975-1979	January 3, 1981	December 29, 1979	MEDIAN 1975-1979
Aseptic meningitis	132	164	99	7,473	8,505	4, 691
Brucellosis	-	11	6	176	206	222
Chickenpox	2,519	3,565	3,550	186,913	196,465	182.250
Diphtheria	-	_	2	5	59	86
Encephalitis: Primary (arthropod-borne & unspec.)	25	23	25	1.134	1.104	1.18
Post-infectious	5	6	6	218	246	246
Hepatitis, Viral: Type B	369	586	375	18.660	15.318	15.09
Type A	526	882	806	28 . 68 1	30.172	30.874
Type unspecified	232	321	183	12.061	10.666	8, 79
Malaria	17	42	13	1,933	849	531
Measles (rubeola)	30	151	252	13.430	13,600	26.91
Meningococcal infections: Total	55	80	77	2.716	2,622	1.819
Civilian	55	80	73	2.702	2,602	1,604
Military	_	_	i	14	20	21
Mumps	93	239	376	8.531	13.920	20.964
Pertussis	37	74	32	1,651	1,570	1,570
Rubella (German measles)	32	47	138	3.837	11.680	16,210
Tetanus	_	i	4	74	76	84
Tuberculosis	573	848	800	27.983	28.058	30.329
Tularemia	3	6	6	226	196	144
Typhoid fever	9	4	9	50 1	517	40
Typhus fever, tick-borne (Rky, Mt. spotted)	4	24	13	1.136	1.066	1.050
Venereal diseases:						
Gonorrhea: Civilian	12,555	18.569	16.944	1.012.835	1001.673	1001-673
Military	155	568	308	26,450	27,775	27.11-
Syphilis, primary & secondary: Civilian	278	524	343	27.516	25,114	23, 724
Military		6	4	317	319	319
Rabies in animals	54	103	46	6,274	4,978	2,971

TABLE II. Notifiable diseases of low frequency, United States

	CUM. 1980	CUM. 131
Antrex Botulism Wash. 1 Cholera	1 Poliomyelitis: Total 70 Paralytic Mich. 1 9 Psittacosis Mass. 1, Tex. 1, Calif. 1	106
Congenital rubella syndrome Laprosy Md. 1, Tex. 1, Hawaii 1 Laptospirosis Fia. 1, Calif. 1 Plagua	47 Rabies in man 225 Trichinosis Ups. NY 1, La. 1 76 Typhus fever, flae-borne (endemic, m	126 73

TABLE III. Cases of specified notifiable diseases, United States, weeks ending January 3, 1981, and December 29, 1979 (53rd week)

HOLES .	ASEPTIC	BRU-	CHICKEN			E	NCEPHALI	TIS	HEPATIT	IS (VIRAL	.), BY TYPE		
REPORTING AREA	MENIN- GITIS	CEL. Losis	CHICKEN- POX	DIPHT	HERIA	Pri	nary	Post-in- fectious	В	Α	Unspecified	MA	LARIA
100	1980	1980	1980	1980	CUM. 1980	1980	1979	1980	1980	1980	1980	1980	CUM. 1980
UNITED STATES	132	-	2,519	1 (2)	5	25	23	5	369	526	232	17	1,93
NEW ENGLAND	_	_	271	-	_	4	2	1 2	21	23	10	-	11
Maine N.H.	-	_	27	-	-	-	2		1	1	1	-	1
VL.	=	-	2 28	-	-	=	-		1	1	-	=	
Mass.	=	_	88		3	ī	1		4	3	6	_	6
8.1.	_	_	17	-	-	-	-	-	i	6	_	_	1
Conn.	-	-	109	-	-	3	1	-	14	12	3	-	1
MID. ATLANTIC	49	-	128	-	1	12	11	1	21	34	8	-5	24
Upstate N.Y. N.Y. City	7	_	76	=	ī	2	1	-	7 14	31 3	7 1	_	6
N.J.	1 13	_	23 NN		-	- 2	2	- 2	NA	NA	NA.		6
Pa.	28	-	29	-	-	10	10	1	NA	NA	NA	-	7
E.N. CENTRAL	6	_	1,306	_	1	2	2		51	61	14	1	11
Unio	3	-	364	-	-	2	-	-	8	21	5	1	2
Ind. III.	1	-	83	-	-	-		- 2	23	19	6	-	1
Mich	-	-	211		1				8	13 8	1	-	4 2
Nis.	2	_	375 273	=	-		2	-	4	-	2	-	1
W.N. CENTRAL	8	_	345	-	1		1	_	15	8	_	3	7
Minn.	-	_	-	-	-	-	-	-	4	2	-	ã	3
owa	2	-	165	-	-	-	1	7.		-	-	-	
Mo. N. Dak.	2	-	40	-	1	-	-	-	8	3	-	-	1
S. Dak.	-	-	14	-	Ξ	- 2	-	2	177	2	10.00	-	
Nebr.	1	=	7	_	-		-	-	1		_	_	
Kans.	3	-	119	-	-		-	-	2	1	-	-	1
S. ATLANTIC	18	-	96	_	-	1	-	2	57	32	20	4	20
Md.	-	-	-	-	-	-	-	-	1		2	2	
D.C.	-	-	14	-	-	2	-	2	6 2	1	4	_	3
Va.	1	_	_	_	-	-	-	-			1	_	6
W. Va. N.C.	- 1	-	59	-	2	-	-	_	3	1	-	-	
£.C.	8		NN	-	-	1		-	8	5	4	1	1
Ga.	3	-	2	_	-		-	-	7 15	3 10	1		1
Fla.	6	_	20	Ξ.	-	72	-	- 2	15	12	8	1	4
ES CENTRAL	4	_	25	_	-	-	-	-	8	15	2	1	1
ινу.	_	-	21	-	-	-	-	_	-	-	-	-	
Tenn. Ala	3	-	NN	2-52	-	-	-	-	5	4	1	_	
Miss.	1	7	1 3	-	Ξ		-	- 2	1 2	2	1	1	
W.S. CENTRAL	15		219	_	1		3		50	131	60	1	1.8
THE STATE OF THE S	15	-	219	-	-	-	2	-	2	2	1	_	
La.		_	NN	_	_	-	3	2	11	23	6	_	5
Okla. Tex.	-	-	-	7.00		-	-	2	6	3	1 52	1	1
	14	-	213	_	1	-	-		31	103		1	11
MOUNTAIN Mant.	5 2	1	82	=	-		- :	1	14	23 2	44	_	9
Idaho		_	20	_		-	-		_	ī	-	-	
MAO.	**	-	2	-	Ξ	-	-	2	-	-	-	-	
Colo. N. Mex.	-	-	50	-	2		- :		3	9	-	-	3
	1	_	NN	-		-	-	-	9	2	23	_	1
Utah	i	_	12	2	3	-		_ 2	1	5	19	_	i
Mev.	î	-	-	-	-	÷		1	1	-	2.	3	1
PACIFIC	27	1	47	-	1	6	4	3	132	199	74	7	88
1785h	2	_	26	_	î	-	-		5	5	_	-	5
Oreg. Calif.	-	-	1	100	-	-	1	-	8	1	2	-	4
Alaska	25	-	_	-	7	6	3	3	117	192	72	6	75
Hawaii		-	10 10	=	-	=	-	=	1	1	=	1 -	2
Guam P.R.	NA	NA	NA	NA	-	NA	-	-	NA	NA	N.A	NA	
VI	NA NA	NA NA	NA NA	NA NA	2	N A N A	-	_	N A N A	NA NA	NA NA	NA NA	
Pac. Trust Terr.													

NN: Not notifiable. NA: Not available.

All delayed reports and corrections will be included in the following week's cumulative totals.

TABLE III (Cont.'d). Cases of specified notifiable diseases, United States, weeks ending January 3, 1981, and December 29, 1979 (53rd week)

DEBODTING ADDA		MEASLES (RI	BEOLA)	MENIN	GOCOCCAL II TOTAL	NFECTIONS		MUMPS	PERTUSSIS	AUB	ELLA	TETANUS
REPORTING AREA	1980	CUM. 1980	CUM. 1979	1980	CUM. 1980	CUM. 1979	1980	CUM. 1980	1980	1980	CUM. 1980	CUM. 1980
UNITED STATES	30	13,430	13,600	55	2,716	2,622	93	8,531	37	32	3,837	74
NEW ENGLAND	_	679	292	3	160	156	5	618	- 1	2	277	3
Maine	_	33	18	_	6	9	í	309	-	_	119	1
N.H.	-	332	33	-	8	15	-	26	_	_	43	- 1
Vt	-	227	120	-	17	8	-	12	-		3	
Mass.	-	59	15	1	56	60	2	135	-	2	80	ī
R.I.	-	2	102	1	13	10	2	34	_	_	9 23	i
Conn.	-	26	4	1	60	54		102		_		8
MID. ATLANTIC	4	3,918	1 - 644	11	486	423	11	949	3	4	591	3
Upstate N.Y. N.Y. City	4	737 1,210	679 859	3	143 114	145 91	2	174 113	3	3 1	226 105	2
N.J.		852	58	4	103	104	_	128	Ξ		108	-
Pa.	-	1,119	48	4	126	83	5	5 34	-	_	152	3
E.N. CENTRAL	2	2,456	3,654	8	315	310	53	3, 289	5	1	884	7
Ohio	-	380	347	4	108	131	38	1.311	-	-	8	2
Ind.	2	96	229	ı	46	51	9	167	4	1	385	-
III.	-	353	1.644	2	64	29	-	426	-	-	177	2
Mich.	-	250	869	-	17	79	3	1.011	-	=	129	2
Wis.		1,377	565	1	20	20	3	374	1	-	185	
W.N. CENTRAL	· -	1,341	1.845	_ 1	127	85	2	333	-	-1	208	4
Minn.	-	1,106	1,218	-	48	19	-	20	-	-	28	1
lowa	_	20	16	1	17	15	2	64		1	10	i
Mo. N. Dak.	_	65	436	-	41	38 1	-	103	-	-	42 6	100
S. Dak.	Ξ		21 2	_	6	4		- :			2	321
Nebr.	_	83	77	_	-		_	9	-	_	ī	-
Kans.	-	67	75	-	12	8	-	129	-	-	119	1
S. ATLANTIC	1	1,991	2,192	13	633	626	7	1,143	7	1	366	12
Del.	-	4	1	-	3	5	1	43	-	-	1	1
Md.	-	84	16	3	56	60	3	365 5	-		72 1	-
D.C. Va.		5 339	288		2 68	87	_	87	_		63	3
W. Va.	42	10	65	ī	30	18	1	128	_	1	27	1
N.C.	_	130	115	6	110	95	î	101	3	_	48	1
S.C.	_	159	183	2	67	69	_	211	_	-	55	3
Ga.	_	847	587	7.0	117	91	1	18	4	-	-	1 2
Fla.	1	413	937	1	180	201	_	185		-	99	
E.S. CENTRAL	_	350	286	-	214	176	1	899	-	_	91	9
Ky.	-	57	60	-	66	35	1	765	-	-	46	3
Tenn. Ala.	-	172	72	-	59	52	-	34	_	12	40 3	4
Ala. Miss.	-	22 99	129 25	-	58 31	41 48	_	36 64	_	_	2	-
												19
W.S. CENTRAL	3	1,000	984	10	291	389	6	310	5	4	160	2
Ark. La.	-	16	7	3	25	29	1	26	_	=	13	5
Okla.	Ξ	15 776	265 42	1 1	100 31	155 42	1	69			13	1
Tex.	3	193	670	5	135	163	4	215	5	4	136	11
MOUNTAIN	3	502	341	5	118	102	_	229	6	6	176	1
Mont.		2	56		4	16	_	61	_		45	-
Idaho	_	_	18	_	6	10	_	16	-	_	22	-
Wya.	-	_	36	-	6	1	-	-	_	-	1	-
Colo.	-	24	72	-	27	10	-	68	-	-	12	
N. Mex.	-	14	38	4	15	6	-		1	-	5	1
Ariz. Utah	1	403	80		22 8	37 9	=	46 29	5	6	51 31	
Nev.	2	47 12	21 20	1	30	13	=	9	_	_	9	-
PACIFIC	17	1,193	2,362	4	372	355	8	761	11	13	1,084	11
Wash.		178	1,170	2	69	66	i	156	` ` 5	12	99	-
Oreg.	-	ì	66	_	58	33	-	94		-	65	
Calif.	17	1,001	1,038	2	231	239	6	474	6	13	903	11
Alaska	-	6	17	-	14	6		15	-	-	12	-
Hawaii	-	7	71	-		11	1	22	-	-	5	
Guam	NA	6	13	_	1	1	NA	11	NA	NA	2	-
P.R.	NA NA	194	392		11	÷	NA NA	164	NA NA	NA.	27	12
V.I.	NA	6	6	_	- 5	3	NA	2	NA	NA	-	
Pac. Trust Terr.	NA	10	10	-	_	2	NA	21	N.A	NA	1	0.70

All delayed reports and corrections will be included in the following week's cumulative totals.

TABLE III (Cont.'d). Cases of specified notifiable diseases, United States, weeks ending January 3, 1981, and December 29, 1979 (53rd week)

	THE	RCULOSIS	TULA-		HOID		S FEVER		EAL DISEASES (
REPORTING AREA			REMIA	FE	VER		MSF)		GONORRHEA		SY	PHILIS (Pri.	& Sec.)	(in Animals
	1980	CUM. 1980	CUM. 1980	1980	CUM. 1980	1980	CUM. 1980	1980	CUM. 1980	CUM. 1979	1980	CUM. 1980	CUM. 1979	CUM. 1980
NITED STATES	573	27,983	226	9	501	4	1,136	12,555	1,012,835	1001,673	278	27,516	25,114	6,27
EW ENGLAND	39	803	6	1	14	_	14	265	25,893	24,627	6	526	520	
laine	1	57	-	_	1	-	_	20	1,446	1,730	_	6	10	2
h.	-	17	-	-	-	-	-	18	904	926	-	6	21	
flass.		25	-	-	_	-	_ =	5	546	649	-	6	3	
L	28	451	4	=	8	-	7	135	10,934	9.748	5	325	276	1
onn.	4	80 173	1	1	1	_	5	21 66	1,645 10,418	1.966 9.608	1	34 149	190	1
		11.5	•	•			1	- 00	10,410	71000		147	. , ,	
ID. ATLANTIC	88	4,403	4	3	97	-	49	1,807	115,586	111,028	61	3,857	3,836	
LY City	24	882	2	-	16		14	312	20.713	20,533	7	337	305	3
Total .	21	1.472	1	3	43	-	3	700	46,187	43, 396	35	2,506	2,593	
a.	21	1.041	1	-	25	_	19	317	20,829	19,268	. 8	446	484	1
	22	1,008	-	_	13	_	13	478	27,857	27,831	11	568	454	1
N. CENTRAL	39	3,919	3	1	52	_	28	1.472	156,817	156,496	17	2,753	3,065	95
Thica THAL	13	747	í	_	15	_	15	1,185	42,662	42,281		380	609	- 1
II,	-	422	_	_	-	_	2		16, 181	13,279	_	193	204	7
Mich.	-	1,354	_	-	18	_	6	NA	48,344	50,198	NA	1,660	1,724	52
Via.	20	1,145	2	1	12	_	3	81	35,230	36,697	17	418	449	1
	6	251	-	-	7	-	2	206	14,400	14,041	-	102	79	28
N.N. CENTRAL		1 630	2.		22				40 007	40				
	6	1,038 237	34 1		32	_	54	609 43	49,087	49,715	6	381 129	308	2,08
QWa	ī	91	1	_	2	_	3	62	8,018 5,127	8,205 5,863	1	129	30	50
No.	5	455	26	_	21	_	34	322	21,993	21,335	4	165	142	3
L Dak		54		_	i	_		7.7	680	869		104	2	24
Dak. Vabr.	_	49	1	_	ī	_	2	14	1,362	1,594	_	6	2	44
Cans	-	44	4	_	2	_	5	34	3, 723	3, 593	_	12	7	
	-	108	1	-	1	-	10	127	8,184	8,256	1	31	38	15
ATLANTIC				_		-	701	2 700	252 253	240 401				
	118	61047 72	18		46 1	2	706	2,799	253,851 3,621	240,691 3,930	57	6,617 21	5,885 30	51
Md.	4	714	6		3		75	890	27,865	29,636	6	451	400	3
).C.		361		_	4	_		281	17,317	16,155	14	503	450	_
Va.	_	606	1	_	ġ	_	94	144	23,415	23,016	3	591	492	- 3
N. Va. N.C.	_	216	ī	_	5	_	6	36	3,438	3, 272	1	19	53	- 2
ž.c.	27	1,070	3	_	5	2	321	298	38,235	34,972	-	493	429	2
G ₂	NA	522	-	_	3	_	141	498	23,675	22,384	7	401	319	•
Fia	24	862	7	-	-	-	60	630	49,851	45,899	26	1,877	1.614	2
	63	1,624	-	-	16	-	7	NA	66,434	61,427	NA	2,261	2,098	
ES CENTRAL	27	2,540	12	_	12	1	118	621	81,554	85,390	10	2,220	1,668	3 9
KY. SENTRAL		576	12	Ξ	3		21	146		11,387	10	129	161	19
Tenn.	16	823	9	_	i	_	61	405	11,841 30,077	30,854	10	932	684	14
Ala Misa	5	661	í	_	3	1	19	NA	24,037	25,348	NA	480	303	- 1
27		480	2	_	5	_	17	70	15, 599	17,801	_	679	520	
W.S. CENTRAL														
Ark CENTRAL	59	3,144	99	1	80	1	145	561	125,697	128,713	32	5,572	4,582	
	13	352	66	-	8	_	36	NA	9,990	10,384	NA	217	165	19
Okla.	7	578	-	-	2	-	3	403	22,692	23,746	25	1,414	1,176	1
r _{ex.}	-	339	22	-	6	-	76	158	12,723	12,755	. 7	113	87 3,154	99
Mar.	39	1,875	11	1	64	1	30	NA	80,292	81.828	NA	3,828	31134	9
MOUNTAIN	7	802	34	1	27	_	17	596	38,713	40,200	22	684	529	24
daho	i	33	9	-	'n	_	3	18	1,478	2,016		3	9	- 1
	_	32	í	_	ì	_	2	16	1,745	1,783	-	28	26	
-nl-	-	22	4	-	-	_	2	17	1,094	1,130	-	12	9	1
V. Mary	1	137	8	-	7	_	5	171	10,596	10,787	8	191	114	
	-	140	2	-	3	-	4	36	4,656	4,864	-	119	95	4
Jiah.	4	342	1	1	8	-		264	10.371	11,308	12	221	160	
Vev.	1	51	6	-	7	-	1	23	1,963	2,013	-	20	5	
	-	45	3	-	-	-	-	51	6,810	6,299	2	90	111	
ACIFIC	100	E 202		-	141	100	5	2 025	146 437	144 013	67	4,906	4.721	5
rean.	190	5.287	16	2	141		,	3,825 NA	165,637 13,555	164,813	NA.	216	250	,
	-	202	4	_	9	_	1	96	11,194	10,342	1	112	168	
White-	166	4,478	11	2	126	_	4	3,617	133,516	131,722	66	4,427	4,185	5
lawai;		64	î	-	1	_	_	58	4,086	4,986		11	25	- 1
	4	102	-	-	2	-	-	54	3, 286	3, 156	-	140	93	
Guarn												_		
	NA	58	-	NA	1	NA	-	NA	116	124	NA	401	599	
V.I.	NA	293	_	NA	8	NA NA	-	NA NA	2,698	2,197	NA	601		
All dalayed reports	NA	3.5	-	NA	-	NA	_	NA NA	124 379	161 490	NA NA	11	12	
	NA	35	-	NA cluded	-	NA	_	N A	219	470	NΑ	_	1	

TABLE IV. Deaths in 121 U.S. cities,* week ending January 3, 1981 (53rd week)

		ALL CAUS	ES, BY AGI	(YEARS)					ALL CAUS	ES, BY AGE	(YEARS)		
REPORTING AREA	ALL AGES	>65	45-64	25-44	<1	P&I** TOTAL	REPORTING AREA	ALL AGES	>65	45-64	25-44	<1	P&I TOT
IEW ENGLAND	829	588	162	31	19	109	S. ATLANTIC	1,259	775	324	85	41	171
Soston, Mass.	233	157	39	12	8	42	Atlanta, Ga.	111	61	32	12	3	
Iridgepart, Conn.	59	41	12	1	3	8	Baltimore, Md.	259	154	74	17	2	
Cambridge, Mass.	33	26	6	7.	•	6	Charlotte, N.C.	82	43	27	9		
all River, Mass.	29	21	6	1	-	-	Jacksonville, Fla.	119	73	32	9	3	
lartford, Conn.	73	47	18	6	1	1	Miami, Fla.	101	53	32	10	7	
owell, Mass.	45	40	4	-	-	5	Norfolk, Va.	63	36	17	-	3	
ynn, Mass.	27	20	4	2	-	2	Richmond, Va.	64	32	24	4	2	
lew Bedford, Mass.	37	28	8	1	-		Savannah, Ga.	33 110	24 101	5 7	1 2		
New Haven, Conn.	61	41	16	7	2	6	St. Petersburg, Fla. Tampa, Fla.	99	71	13	6	6	
Providence, R.I. Somerville, Mass.	56 15	43 12	11	2	-	6	Washington, D.C.	161	92	47	11	4	
			3			2	Wilmington, Del.	57	35	° 14	14	2	
Springfield, Mass.	38 36	27 26	7	2	1	7	willington, Del.	,,,	,,	14	-	1.53	
Vaterbury, Conn. Vorcester, Mass.	87	59	20	2	4	12							
VOICES (BIT, IVIASS.	01	39	20	2		12	E.S. CENTRAL	536	326	150	23	18	
							Birmingham, Ala.	64	39	16	6	1	
MID. ATLANTIC	3.403	2.266	816	155	91	170	Chattanooga, Tenn.	40	17	18	2	2	
Albany, N.Y.	61	47	4	4	5	1	Knoxville, Tenn.	39	23	11	ī	2	
Allentown, Pa.	62	19	43		-	2	Louisville, Ky.	77	54	18	2	3	
Suffalo, N.Y.	124	85	34	1	1	2	Memphis, Tenn.	144	86	42	3	6	
amden, N.J.	46	26	16	3	i	ī	Mobile, Ala.	33	19	9	3	1	
lizabeth, N.J.	51	38	7	2	ī	3	Montgomery, Ala.	23	15	8		-	
rie, Pa.1	34	25	6	1	1	1	Nashville, Tenn.	116	73	28	6	3	
ersey City, N.J.	75	46	21	6	-	1							
lewark, N.J.	112	53	33	11	3	7							
I.Y. City, N.Y.	1.761	1,203	391	84	45	83	W.S. CENTRAL	834	465	217	71	44	
aterson, N.J.	36	26	7	1	1	-	Austin, Tex.	17	12	1	2	1	
hiladelphia, Pa.†	421	268	106	20	19	29	Baton Rouge, La.	21	10	7	3	1	
ittsburgh, Pa. †	55	33	19	2	-	3	Corpus Christi, Tex.	17	7	5	3	-	
leading, Pa.	39	30	8	1	-	3	Dallas, Tex.	188	100	51	23	5	
lochester, N.Y.	156	116	35	2	3	10	El Paso, Tex.	55	40	8	3	3	
chenectady, N.Y.	44	33	6	3	1	2	Fort Worth, Tex.	84	36	22	10	11	
cranton, Pa.†	44	30	8	4	2	4	Houston, Tex.	83	38	26	7	10	
yracusa, N.Y.	148	93	43	3	5	11	Little Rock, Ark.	67	37	22	3	-	
renton, N.J.	57	41	14	1	1	1	New Orleans, La.	74	39	23	7	2 5	
Jtica, N.Y.	35	23	10	2	-	3	San Antonio, Tex.	131	85	34	2	,	
onkers, N.Y.	42	31	5	4	2	5	Shreveport, La.	18 79	8 53	5 13	2 6	6	
							Tulsa, Okla.	.,,					
N. CENTRAL	2.716	1.768	603	169	84	98						22	
kron, Ohio	74	46	15	7	5	-	MOUNTAIN	71L	451	148	45	5	
anton, Ohio	53	36	13	1	-	-	Albuquerque, N. Mex.	78	28	18	9	2	
hicago, III.	694	432	168	37	30	17	Colo. Springs, Colo.	44	24	10	4	2	
incinnati, Ohio	127	83	32	5	5	16	Denver, Colo.	100	66	23	7	-	
leveland, Ohio	218	148	53	8	4	6	Las Vegas, Nev.	58	37	13	6	2	
alumbus, Ohio	133	86	25	13	7	7	Ogden, Utah	16	12	3	. 1	7	
Dayton, Ohio	120	84	22	9	4	6	Phoenix, Ariz.	213	141	45	11	2	
Detroit, Mich.	367	232	82	28	8	7	Pueblo, Colo.	22	16	5	1	5	
vansville, Ind.	53	37	14	1	-	5	Salt Lake City, Utah	61	44	5	2	1	
ort Wayne, Ind.	45	35	5	2	1	2	Tucson, Ariz.	119	83	26	-		
ary, Ind.	12	7	1	2	-	1							
irand Rapids, Mich.	68	49	14	3	1	2						52	- 4
ndianapolis, Ind.	149	94	34	7	5	5	PACIFIC		1.349	444	110	-	
ladison, Wis.	41	29	8	2	1	3	Berkeley, Calif.	19	15	2	2	2	
filwaukee, Wis.	137	105	19	10	2	5	Fresno, Calif.	100	69	20	1	2	
eoria, III.	44	31	8	2	3	5	Glendale, Calif.	18	13	3	1	1	
lockford, III.	87	62	17	3	4	3	Honolulu, Hawaii	86	34	7 15		5	
outh Bend, Ind.	38	24	12	1	-	2	Long Beach, Calif.		66		31	14	
aledo, Ohio	103	43	32	21	3	4	Los Angeles, Calif.	592	398	128	7	-	
oungstown, Ohio	153	105	29	7	1	2	Oakland, Calif.	88	57	22	í	2	
							Pasadena, Calif.	41	21 77	12 22	8	3	
IN OFNERS	***						Portland, Oreg.	114	62	25	8	3	
N. CENTRAL	773	509	165	45	33	35	Secramento, Calif.			39	14	4	
es Moines, Iowa	82	55	15	5	4	2	San Diego, Calif.	163	102		9	5	
Juluth, Minn.	28	21	5	-	1	2	San Francisco, Calif.	193	131	46	8	5	
ansas City, Kans.	20	10	3		•	-	San Jose, Calif.	206	143	47	12	5	
ansas City, Mo.	206	123	55	18	5	8	Seattle, Wash.	153	98	33 14	2	1	
incoln, Nebr.	25	22	3	7	- 7	2	Spokane, Wash.	49	32	14	2	2	
finneapolis, Minn.	71	53	10	6	1	6	Tacoma, Wash.	46	31	,	-		
Omaha, Nebr.	59	27	18	5	7	-							
t Louis, Mo.	209	149	41	8	8	7	TOTAL	13,072	9 467	2 020	734	404	
t. Paul, Minn.	48	34	8	3	1	4	TOTAL	13,072	0,497	3,029	134	-	
Vichita, Kans.	25	15	7	-	2	4							_

Mortality data in this table are voluntarily reported from 121 cities in the United States, most of which have populations of 100,000 or more. A death or reported by the place of its occurrence and by the week that the death confidence was filed from 121. reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

^{**}Pneumonia and influenza

[†]Because of changes in reporting methods in these 4 Pennsylvania cities, these numbers are partial counts for the current week. Complete counts be available in 4 to 6 weeks.

Aseptic Meningitis - Continued

To date, echovirus 24 has been isolated from 1 of the hospitalized players and 1 of the nonhospitalized players.

Reported by DC McCluskey, MD, Green High School, Green Township, Ohio; M Nelson, Summit County Ohio Health Dept; TJ Halpin, MD, State Epidemiologist, Ohio State Dept of Health; Enteric and Neurotropic Viral Diseases Br, Viral Diseases Div, Bur of Epidemiology, CDC.

Editorial Note: Since August 1980, CDC has been notified of 4 outbreaks of moderate to severe enteroviral illness among high school football teams. Three outbreaks had cases of aseptic meningitis, and the fourth, pleurodynia. Six investigations in 1978 also revealed that during outbreaks of enteroviral infections in high schools the football players had more severe clinical manifestation of illness. It is possible that the interpersonal contact and heavy physical activities of such tightly knit groups promote more severe enteroviral disease.

The outbreak reported here was associated with an enteroviral agent infrequently reported to the Enterovirus Surveillance Program at CDC, which collects data on enterovirus isolates identified by state laboratories. From January through October 1980, 22 (4%) of 500 echovirus isolates were echovirus 24, and 10 of these agents were associated with aseptic meningitis. During the same months in 1979, 7 (2%) of 341 echovirus isolates were echovirus 24; 3 of these isolates were associated with aseptic meningitis. Although outbreaks caused by echovirus 24 have not been reported in the United States, an outbreak of 35 cases of meningitis was reported in the United Kingdom between May and August 1979 (1). The majority of those cases were in older children and young adults.

Aseptic meningitis remains the most frequent clinical syndrome associated with the enterovirus isolates reported to CDC. For the 10-month period January-October 1980, this syndrome was associated with 34% (312) of the 914 reported enterovirus-associated clinical syndromes. The majority of the cases were reported from young children. Fifty-two percent (156/302*) of the cases were in children 4 years of age or less; 10% (29) were in children 5 to 9 years of age; and 18% (54) were in the 10- to 19-year age group. Sixty percent of all isolates were from males; this male predominance reflects a well-recognized trend in enteroviral infections. As discussed in a previous report, meningitis is not necessarily the most common manifestation of enteroviral illness, but probably reflects preferential selection of only the most seriously ill patients for virus isolation (2).

In 1979, the most frequently reported isolate associated with aseptic meningitis was echovirus 11. Preliminary data on enteroviruses isolated between June and October 1980, the peak months of enteroviral activity, show that 26%(58) of the aseptic meningitis infections were associated with echovirus 11, and 22%(50) were associated with cox-sackievirus B3. In 1979, less than 2% of the isolates associated with meningitis were coxsackievirus B3.

The peak in enteroviral activity occurs in late summer and early fall. The majority of infections are mild and occur as part of communitywide outbreaks of illness that often go unreported. However, reports of serious clinical syndromes probably serve as markers for the enteroviral agents circulating in the community.

neferences.

World Health Organization. Virus diseases surveillance. Echovirus type 24. Weekly Epidemiological Record 1979;54:314.

² MMWR 1980;29:341-3.

For 10 of the 312 cases, age was not known.

Canine Rabies - U.S.-Mexican Border

Imperial County, California, reported 16 cases of rabies in pets in the period November 26-December 31, 1980. The pets included 12 dogs and 4 cats. These are the first cases of canine and feline rabies in this county since 1970 and 1971, respectively.

Most of these cases occurred in the city of Calexico, which is located near the U.S. Mexican Border. Approximately 80 persons are undergoing antirables treatment as a consequence of exposure to these animals.

Eleven other cases, including 1 bovine, 2 bats, 1 coyote, and 7 skunks, were reported throughout the year from Imperial County. The county health officials have intensified their pet vaccination and animal-control program as a result of this rabies outbreak.

Fourteen cases of rabies in dogs from Mexicali—a Mexican city adjacent to Calexico—were also diagnosed in 1980.

Reported by L Cottrell, MD, Imperial County Health Dept; G Humphrey, DVM, State Public Health Veterinarian, California Dept of Health Services; Respiratory and Special Pathogens Br, Viral Diseases Div, Bur of Epidemiology, CDC.

Current Trends

Surveillance of Childhood Lead Poisoning — United States

In the third quarter of fiscal year 1980, 63 childhood lead poisoning prevention programs reported screening 127,341 children and identifying 5,482 with lead toxicity. Through use of the erythrocyte protoporphyrin test in screening procedures, 5,206 children were identified and referred for treatment of iron deficiency.

Children identified with lead toxicity require continuing care and surveillance until their risk of further damage from lead exposure is minimal. During the quarter, the programs reported that 22,681 children were under pediatric management, including those identified in previous quarters.

The diagnostic risk classification of 4,778 children decreased during the quarter, and 2,722 children who achieved minimal risk status were released from follow-up.

Reported by the Environmental Health Services Div, Bur of State Services, CDC.

The Morbidity and Mortality Weekly Report, circulation 102,241, is published by the Centers for Disease Control, Atlanta, Georgia. The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

The editor welcomes accounts of interesting cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials. Send reports to: Attn: Editor, Morbidity and Mortality Weekly Report, Centers for Disease Control, Atlanta, Georgia 30333.

Send mailing list additions, deletions and address changes to: Attn: Distribution Services, Management Analysis and Services Office, 1-SB-419, Centers for Disease Control, Atlanta, Georgia 30333. Or call 404-329-3219. When requesting changes be sure to give your former address, including zip code and mailing list code number, or send an old address label.

Childhood Lead Poisoning — Continued

TABLE 1. Results of screening in childhood lead poisoning control programs, United States, third quarter fiscal year 1980 (April 1-June 30)

integrort, Conn. Integr	1,157 703 160 4,726 2,187 1,665 11,908 12,494 35,073 261 649 432 854 1,331 6,331 6,331 1,331 6,331 1,3	Total 21 17 24 171 186 44 58 521 1,711 19 99 82 34 107 55 110 933 37 32 1,787 6,288 49 19 989 18 10 93 17 19 19 989 18 10 10 10 10 10 10 10 10 10 10 10 10 10	rquiring pedia management Class II 15 9 8 91 148 355 30 336 1,108 12 12 12 55 136 57 24 56 37 24 4,389 27 48 11 12 697 13 16 8 11 16 8 8 12 850	Classes III & IV 6 8 16 80 38 9 28 185 603 7 7 8 2 2 63 25 10 51 18 28 336 12 11 1,899 15 11 3 7 292 5 5 5 4 1 1 5 5 5 5 2 4 1 5 5 5 5 5 2 4 1 5 5 5 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Receiving pediatric management 1 109 124 18 921 1245 217 651 2,285 43 449 146 509 30 701 634 198 198 198 5,300 270 505 29 160 1,974 121 57 8 248 156 179 8 248 156 179 7 7,797	Identified with iron deficiency 18 52 0 156 48 35 25 334 980 18 17 95 20 16 80 1,493 69 95 2,048 7,761 79 85 234 15 54 27 31 20 15 54	Inspected 27 16 43 163 33 362 3971 21 508 28 39 32 NA 86 35 174 21 23 695 2,484 21 59 4 9 27 13	Found with lead with lead 14 0 0 43 3 77 340 893 144 222 333 77 2 320 61 13 NA 893 30 103 446 1,634 20 22 14 46 1,634 20 22 14 4 9 9 24 10 21 10 10 10 10 10 10 10 10 10 10 10 10 10	Raduce 2 4 11 11 12 66 66 66 4 2 2 2 2 N, 7 5 5 4 4 1 44 1,58
hispeport, Conn. Jamesbury, Mas. Jamesbury, M	1,157 703 160 4,726 2,187 1,653 1,908 12,494 35,073 261 449 439 439 11,977 1,331 675 573 1,442 1,640 26,254 2,051 1,343 39,793 15,956 1,343 38,735 5,797 876 474 609 1,211 580 1,415 17,973	Total 21 17 24 171 186 44 58 521 1,711 19 99 82 34 107 55 110 933 37 32 1,787 6,288 49 19 989 18 10 93 17 19 19 989 18 10 10 10 10 10 10 10 10 10 10 10 10 10	Tanagement Class II 15 9 8 8 91 148 355 300 3366 1,108 12 5 5 136 57 24 6 37 25 6 37 24 6 38 2 5 7 25 6 1,176 6 4,389 2 7 48 11 12 697 48 11 16 8 8 12 850	Classes III & IV 6 8 16 80 38 9 28 185 603 7 7 8 2 2 63 25 10 51 18 28 336 12 11 1,899 15 11 3 7 292 5 5 5 4 1 1 5 5 5 5 2 4 1 5 5 5 5 5 2 4 1 5 5 5 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7	pediatric management 109 124 18 921 245 217 651 2,285 43 449 146 509 30 701 634 109 NA 198 197 1,565 324 395 5,300 270 270 270 270 270 160 1,974 121 98 146 157 98 248 156 179	with iron deficiency 18 52 0 156 48 38 25 334 980 18 17 95 20 16 19 71 37 12 6 80 1,493 69 95 2,048 7,761 79 85 234 115 54	27 16 0 43 163 33 80 362 971 21 59 59 78 35 39 8 59 78 32 NA 85 24 695 2,484 161 29 4 9 27 13	with lead 21 14 0 43 152 37 37 340 893 14 27 3 3 3 7 22 2 61 1 3 NA 38 30 103 45 21 1 446 1.634 20 22 14 4 21 4 9 24 110	2 4 4 11 1 1 1 6 26 66 66 66 66 2 2 2 2 N. 7 7 5 5 4 4 4 1 1,58 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ortland v. Conn. ortlan	703 160 4,726 2,187 1,663 1,908 12,494 35,073 261 649 432 854 311 1,977 1,331 1,977 1,331 1,977 1,331 1,977 1,331 1,977 1,331 1,977 1,331 1,973 1,640 26,254 1,266 1,276	21 17 24 171 186 44 58 51 1,711 39 43 90 7 199 82 32 34 107 199 82 107 199 82 107 199 82 107 199 199 199 199 199 199 199 199 199 19	15 9 8 91 148 35 30 336 1,008 31 31 31 31 31 31 31 32 52 54 54 54 54 4,389 27 48 11 12 13 13 13 13 13 13 13 13 13 13	8 16 8 16 80 38 9 28 185 603 7 7 8 12 28 28 28 185 603 7 7 7 18 12 28 28 28 28 10 51 11 1 1,899 11 1 1,899 11 1 1,899 11 1 1,899 11 1 1,899 11 1 1,899 11 1 1,899 11 1 1,899 11 1 1,899 11 1 1,899 11 1 1 1 1,899 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	management1 109 124 18 921 245 217 651 2,285 43 449 146 509 30 701 146 139 NA 199 1,565 324 199 1,565 329 160 1,974 121 98 248 156 179	18 52 0 156 48 35 25 334 980 18 17 95 20 16 19 12 6 80 1,493 7,761 79 85 234 15 54 27 31 20 15 54	27 16 0 43 163 33 80 362 971 21 59 59 78 35 39 8 59 78 32 NA 85 24 695 2,484 161 29 4 9 27 13	21 14 0 43 152 33 77 340 893 14 27 22 23 61 13 NA 38 30 103 45 21 446 1,634 20 22 14 21 161 21 24 9 24	2 4 4 11 1 1 1 6 26 66 66 66 66 2 2 2 2 N. 7 7 5 5 4 4 4 1 1,58 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ortland v. Conn. ortlan	703 160 4,726 2,187 1,663 1,908 12,494 35,073 261 649 432 854 311 1,977 1,331 1,977 1,331 1,977 1,331 1,977 1,331 1,977 1,331 1,977 1,331 1,973 1,640 26,254 1,266 1,276	17 24 171 186 44 58 521 1,711 19 39 43 90 199 23 34 107 57 51 100 93 37 1,787 6,288 42 42 59 18 19 99 18 19 99 18 19 19 19 19 19 19 19 19 19 19 19 19 19	9 8 91 14	8 166 80 38 92 8185 603 7 8 8122 225 151 18 28 336 12 11 1,899 5 5 2 4 1 5 5 5 2 350	124 921 18 921 245 217 651 2,285 43 449 146 509 30 701 634 109 NA 197 1,565 324 395 5,300 270 505 505	52 0 156 48 35 325 334 980 18 195 201 16 197 17 17 12 80 1,493 95 2,048 7,761 79 85 234 15 54 27 31 20 15 54	160 43 163 33 80 362 971 21 50 28 39 86 39 78 39 86 35 174 62 23 695 2,484 161 29 4 9 27 13	14 0 43 152 33 152 37 7 340 893 14 27 7 222 33 3 7 7 32 61 13 NA 38 30 103 45 5 21 161 20 22 14 21 49 24 10	2 4 4 111 11 1 6 6 6 6 6 6 6 6 6 6 6 7 7 7 5 5 4 1 1 4 4 4 1 1 5 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Gunta Ga University State Mark Total Carolina State Mark Total Carolin	17,973	1,200	850	350		32		21	
9usta, Ga. vilville, Ky. uth Carolina State mphis, Tenn. GION IV TOTAL Cumulative FY 80 icapo, III. iChher local progs.)††	17,973					646	25 387		
Wusta, Ga. Ultiville, Ky. With Carolina State Mighis, Tenn. GION IV TOTAL Cumulative FY 80 1000 III. 100her local progs.)11	61,778	4,070	2,798	1,272	3,757	2,799	1,998	327 1,457	23 81
white, Ky. th Carolina State mphis, Tenn. GION IV TOTAL cumulative FY 80 1 icego, III, Gother local progs.)††	682	10	7	3	101	26	18	18	1 2
GION IV TOTAL Cumulative FY 80 1 icago, III. 1 iOther local progs.)11	2,238	63	51	12	358	103	71	62	11
icago, III. 1 Other local progs.)††	2,123 2,043	61 22	38 15	23 7	287 140	55 7	96 28	68 20	6
icago, III. 1 Other local progs.)††	7,086	156	111	45	886	191	213	168	20
other local progs.)††	19,768	414	293	121		592	629	513	5
nkakee, III.	11,076	647	393	254	2,890	16	446	349	36
	1,127 390	35 9	26 6	9	25 24	3 7	13 16	7	
dison Co., III.	538	6	3	3	14	66	6	12 5	
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roit, Mich.	4,982	190	6 125	0 65	540	59	12 109	9 96	1.
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Cinnati, Ohio	1,488 2.210	105 38	88 26	17	198 501	196 582	90	14	
veland, Ohio	3,278	87	54	33	804	135	65	31	:
Oit, Wit.	249	9	7	2	15	10	12	11	l
Waukee, Wis. GION V TOTAL 2	834 29,748	49 1,241	37 805	12 436	325 5,683	26 1,212	99 1,017	71 726	7:
umulative FY 80 8	86,037	4,126	2,721	1,405	3,003	2,351	3,218	1.874	1.8
ansas State	3,824	30	17	13	245	78	79	50	:
State	914	13	9	4	20	_0	11	9	l .
uston, Tex.	3,124 2,070	81 30	52 17	29 13	803 290	79 112	36 42	30 23]]
SION VI TOTAL	9,932	154	95	59	1,358	269	168	112	1 :
	23,783	538	351	187		777	555	375	2
80000110	1,314	26	17	9	69	34	16	16	1 :
Louis Acout Co., Idwa	649 3,206	15 334	12 185	149	95 2,948	16 63	13 549	13 510	46
ingfield, Mo.11	220	13	10	149	2,948 13	63	549	510	4
"In Douglas Co., Neb.	651	15	12	3	109	13	21	17	1
Umulasias EV 00	6,040	403	236	167	3,234	126	608	563	5
mail ve F Y 8U	17,908	1,284	742	541		602	2,081	1,789	1,31
Angeles Calif	932 3,343	13	9	6	45 93	17 363	6 31	6 31	
GION IX TOTAL	4,275	20	10	10	138	380	37	37	1 2
umulative FY 80		61	29	32		684	194	98	6
Cumulative FY 80 12	3,977	5,482	3,619	1,863	22,681	5,206	3,487	2,719	2,50

^{***}Screening Class II and Classes III & IV defined in CDC Statement, "Preventing Lead Poisoning in Young Children," April 1978.

The cumulative.

The porting program not receiving Lead Poisoning Prevention grant support.

NA — Not available.

Erratum, Vol. 29, No. 50

p601. In the article, "Cholera — Florida," M Hood, PhD, Dept of Biology, Univ of West Florida, Pensacola, should have been included as a contributor.

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Anne D. Mather, M.A.
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