gANTUTBREAK OF SHIGELLOSIS IN KANSAS STAKRENIVERSITY - Manhattan, Kansas University Student Health Center. Male student predominantly affected and a later post-epidemic questionnaire survey indicated that a total of some 230 male students residing in the same dormitory complex had been involved. Shige lla sonnei was isolated from a number of the students admitted to the University Health Center Infirmary. Although the source of the outbreak was believed to be the male dormitory dining room facility, no specific food item could be incriminated.

## CONTENTS

An Outbreak of Shigellosis in Kansas State University - Manhattan, Kansas
Surveillance Summary - Shigella Second Quarter 1965363

Epidemiologic Notes and Reports
Measles - Newark, New Jersey
The peak of the epidemic occurred on May 7 and 8. The illnesses, which had a duration of 24 to 48 hours, were generally characterized by abrupt onset, abdominal cramps, watery diarrhea, fever, nausea and vomiting. The majority of the patients had fever greater than $101^{\circ} \mathrm{F}$ and many had elevated leukocyte counts.

Among the 110 students attending the Health Center, 86 were males of whom 60 lived in three dormitories

| CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative totals include revised and delayed reports through previous weeks) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DISEASE | 42nd WEEK ENDED |  | $\begin{aligned} & \text { MEDIAN } \\ & 1960-1964 \end{aligned}$ | CUMULATIVE, FIRST 42 WEEKS |  |  |
|  | $\begin{gathered} \text { OCTOBER } 23, \\ 1965 \end{gathered}$ | $\begin{gathered} \text { OCTOBER } 17, \\ 1964 \end{gathered}$ |  | 1965 | 1964 | $\begin{aligned} & \text { MEDIAN } \\ & 1960-1964 \end{aligned}$ |
| Aseptic meningitis | 58 | 61 | 65 | 1,701 | 1,693 | 2,097 |
| Brucellosis . . . | 4 | 2 | 8 | 202 | 336 | 337 |
| Diphtheria | 2 | 12 | 11 | 120 | 213 | 348 |
| Encephalitis, primary infectious | 67 | 91 |  | 1,518 | 2,685 |  |
| Encephalitis, post-infectious .. | 2 | 5 |  | 574 | , 712 |  |
| Hepatitis, infectious including |  |  |  |  |  |  |
| serum hepatitis | 672 | 629 | 876 | 27,421 | 31,083 | 35,061 |
| Measles | 782 | 961 | 1,325 | 243,772 | 465,411 | 400,500 |
| Meningococcal infections | 39 | 60 | 43 | 2.501 | 2,251 | 1,781 |
| Poliomyelitis, Total | 1 | 2 | 27 | 46 | 94 | 702 |
| Paralytic <br> Nonparalytic | - | 1 | 21 | 35 | 77 | 554 |
| Nonparalytic <br> Unspecified | 1 | 1 |  | 7 4 | 10 7 | - |
| Streptococcal Sore Throat and |  |  |  |  |  |  |
| Scarlet fever | 6,149 | 5,395 | - 4.752 | 316,934 | 320,599 | 258,816 |
| Tetanus | 4 | 10 |  | 214 | - 230 | 258,816 |
| Tularemia | 3 | 11 | -- | 208 | 275 |  |
| Typhoid fever | 16 | 6 | 14 | 353 | 351 | 510 |
| Rabies in Animals | 71 | 58 | 57 | 3,565 | 3,714 | 3,077 |

## NOTIFIABLE DISEASES OF LOW FREQUENCY

|  | Cum. |  | Cum. |
| :---: | :---: | :---: | :---: |
| Anthrax: | 7 | Rabies in Man: | 1 |
| Botulism: | 13 | Smallpox: . . |  |
| Leptospirosis: Mich.-1, Tenn.-1 | 42 | Trichinosis: Ill.-1, N.Y.Up-State-3 | 96 |
| Malaria: Md.-2, N.Y.Up-State-1, Calif.-1 | 68 | Typhus- |  |
| Plague: . . . | 6 | Murine: | 22 |
| Psittacosis: Cholera:. | 36 2 | Rky. Mt. Spotted: N.J.-1, Tenn.-1 | 244 |

an outbreak of shigellosis in kansas<br>STATE UNIVERSITY - Manhattan, Kansas<br>(Continued from front page)

served by a common dining facility. The 24 female patients resided in six different dormitories each with itsown dining facility. From 17 rectal cultures obtained from male patients in the hospital on May 7 and 8, Shigella sonnei was isolated from 13.

Epidemiological investigations included a survey of food histories, with particular reference to meals eaten on May 4, 5, and 6, and a post-epidemic questionnaire survey. The latter survey was of a stratified sample of 961 students representing 10 percent of the University enrollment. Only those individuals who had diarrhea as

Figure 1.
STUDENTS WITH GASTROENTERITIS* KANSAS STATE UNIVERSITY-MAY 1965

well as at least two of the four symptoms of tenesmus, vomiting, abdominal cramps and fever, were regarded as having shigellosis. The epidemic curve (Figure 1) constructed from these data suggests that the outbreak began on May 7 among male dormitory students. The illnesses in nonresident males and in female students
were more diffusely scattered than in the male population living in dormitories. Table 1 shows the estimated attack rate by the type of eating establishment. The questionnaire gave no evidence which suggested that any one meal or food item was the common source of the infection.

Laboratory investigation subsequent to the questionnaire entailed a rectal culture survey of 276 students, 177 of whom were men. Among the men, 10.2 percent had stool cultures positive for Shigella sonnei; only 2.2 percent of the cultures from the 99 women students were positive. In addition, specimens from 195 employees in the University Food Service were examined, but only one culture was positive for shigella. The woman concerned had no history of illness and had not worked in the male dining hall.

Table 1
Outbreak of Shigellosis - Kansas State University
Estimated Attack Rates

| A. By Type of Residence | Responding to Questionnaire | III | Attack Rate |
| :---: | :---: | :---: | :---: |
| Men's Residence Halls | 205 | 23 | 11.2 |
| Women's Residence Halls | 240 | 10 | 4.2 |
| Scholarship Houses | 79 | 2 | 2.5 |
| Fraternity Houses | 44 | 0 | 0.0 |
| Sorority Houses | 94 | 3 | 3.2 |
| Married Student |  |  |  |
| Apartments | 52 | 1 | 1.9 |
| Off Campus | 247 | 2 | 0.8 |
| Total | 961 | 41* | 4.3 |
| B. By Type of Eating Establishment | Responding to Questionnaire | Ill | Attack Rate |
| Resident Dining Halls (men's and women's) | 389 | 30 | 7.2 |
| Student Union Building | 77 | 1 | 1.3 |
| Fraternity Houses | 43 | 0 | 0.0 |
| Sorority Houses | 71 | 3 | 4.1 |
| Other | 286 | 4 | 1.5 |
| Total | 846 | 38* | 4.5 |

*Only 36 ill students completed satisfactorily all sections of the questionnaire.
(Reported by Dr. Hilbert P. Jubelt, Student Health Director, Kansas State University; Dr. Donald E. Wilcox, State Epidemiologist, Kansas State Department of Health; and Dr. Norman W. Anderson, Director, Medical Health Services, Kansas State Department of Health; and a team of EiS Officers.)

## SURVEILLANCE SUMMARY <br> SHIGELLA - SECOND QUARTER, 1965

In examining current shigella morbidity trends, the factors of seasonal distribution, age, sex, and family associations have been considered. Human serotype frequencies, geographical distribution patterns and nonhuman isolations are also summarized. A total of 1,515 human shigella isolations was notified from 46 States and three other reporting centers during the second quarter of 1965 . This represents a decline from the 1,752 isolations reported in the first quarter of 1965 , which was itself a decrease from the 2,101 isolations reported in the fourth quarter of 1964. The totals during these latter two quarters are based on figures submitted from 47 reporting centers.

The numbers of shigella isolations notified from the reporting centers indicate a seasonal pattern of low activity in the late spring with a marked increase in July and a peak in September, a trend which is characteristic of that of previous years. However, since there is usually a delay of 1 to 2 months in reporting, this suggests that the lowest clinical incidence is actually during late winter, which would be consistent with the classical concepts of an enteropathy.

Shigella isolations during the second quarter of 1965 demonstrate an age distribution similar to that of previous quarters. Approximately 73 percent of isolations were reported from children under 10 years of age. However,

Table 2
SHIGELLA ISOLATIONS BY AGE AND SEX
Second Quarter, 1965

| Age Group | Male | Female | Unknown | Total | Percent of <br> Known Age |
| :--- | ---: | ---: | ---: | ---: | :---: |
| $0-6$ months | 31 | 25 | 1 | 57 | 6.0 |
| $7-12$ months | 32 | 21 | 0 | 53 | 5.6 |
| $1-4$ years | 188 | 177 | 1 | 366 | 38.4 |
| $5-9$ years | 130 | 89 | 0 | 219 | 23.0 |
| $10-19$ years | 58 | 46 | 0 | 104 | 10.9 |
| $20-29$ years | 27 | 33 | 0 | 60 | 6.3 |
| $30-39$ years | 10 | 24 | 0 | 34 | 3.6 |
| $40-49$ years | 4 | 7 | 0 | 11 | 1.2 |
| $50-59$ years | 8 | 9 | 0 | 17 | 1.8 |
| $60-69$ years | 3 | 9 | 0 | 12 | 1.3 |
| $70-79$ years | 6 | 6 | 0 | 12 | 1.3 |
| 80+ years | 3 | 3 | 0 | 6 | 0.6 |
| Subtotal | 500 | 449 | 2 | 951 |  |
| Unknown | 267 | 256 | 41 | 564 |  |
| TOTAL | 767 | 705 | 43 | 1,515 |  |

the sex distribution differs slightly with data from preceding quarters. Out of 1,515 isolations reported, the 1,472 which specified the sex indicated that 52.1 percent were from males; on the other hand, data from previous quarters indicated that male isolations have been slightly less than 50 percent. Both the age and sex distribution of shigella isolations are summarized in Table 2.

During the second quarter of $1965,19.5$ percent of the isolations were from families in which shigella was isolated from more than one member. In preceding quarters there has been a generally similar percentage of familyassociated infections and in the first quarter of 1965 this figure was 22.5 percent. As these percentages represent only laboratory confirmed infections, it is probable that the intrafamilial infection rates are somewhat higher.

There were 14 different serotypes reported from the 49 reporting centers; no single serotype was common to all. The six most frequently isolated serotypes have been consistently the same since shigella reporting was started. They account for over 80 percent of all isolations.

|  | Second Quarter |  |  | Previous Quarter |
| :--- | :--- | :---: | :---: | :---: |
| Rank | Serotype | Number | Percent | Percent |
| 1 | S. sonnei | 516 | 34.1 | 41.2 |
| 2 | S. flexneri $\mathcal{Q}$ | 391 | 25.8 | 21.4 |
| 3 | S.flexneri 3 | 165 | 11.0 | 9.1 |
| 4 | S. flexneri 4 | 94 | 6.3 | 5.5 |
| 5 | S. flexneri | 88 | 5.7 | 3.1 |
| 6 | S. flexneri 6 | 54 | 3.6 | 4.8 |

Shigella sonnei and $S$. flexneri 2 have always proved to be the two most common serotypes; positions three through six have been occupied by S. fexneri 1, 3, 4, 6, in varying order. As all States do not perform final serotyping, the S. flexnefi subgroups have been combined into the major numbered subgroups.

A regional difference has been found to exist with a significantly higher percentage of $S$. flexneri isolations in the South as compared to the North. In the southern states 75 percent of isolations have been S. flexnefi, while in the northern states 40 to 50 percent of the isolations have yielded this serotype. During the second quarter the figures were 78.7 percent and 48.3 percent respectively.

There were 15 shigella isolations reported from nonhuman sources in the second quarter. These include 11 S. flexneri 3 from monkeys in Maryland, 1 S. dysenteriae 3573-50 in a monkey from Illinois, 1 S. flexnefi $2 b$ from slurries of checked eggs in Colorado, 1 S. sonnei I/ from turkey droppings in Colorado; and 1 S . flexneri $2 a$ from the "environment" on a farm in Texas. The shigellae

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

OCTOBER 23, 1965 AND OCTOBER 17, 1964 (42nd WEEK)

| Area | Aseptic Meningitis |  | Encephalitis |  |  |  |  | Paralytic |  |  | Diphtheria |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{array}{\|r\|} \hline \text { Primary } \\ \hline \\ 1965 \\ \hline \end{array}$ | Post-Inf.$1965$ |  |  |  | 1965 | $\frac{\text { Cum. }}{1965}$ |
|  |  |  |  |  | Poliom  <br> Total Cases  <br>  Cumulative |  |  |  |  | 1965 | Cumulative |  |
|  | 1965 | 1964 |  |  | 1965 | 1965 | 1964 |  |  |  | 1965 | 1964 |
| UNITED STATES... | 58 | 61 | 67 | 2 | 1 | 46 | 94 | - | 35 | 77 | 2 | 120 |
| NEW ENGLAND. . . . . . . . | 5 | - | 1 | - | - | - | 2 | - | - | 2 | - | 2 |
| Maine............... | - | - | - | - | - | - | 1 | - | - | 1 | - | - |
| New Hampshire...... <br> Vermont. | - | - | - | - | - | - | - | - | - | - | - | - |
| Massachusetrs....... | 2 | - | 1 | - | - | - | - | - | - | - | - | 2 |
| Rhode Is land....... | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Connecticut........ | 1 | - | - | - | - | - | 1 | - | - | 1 | - | - |
| middle atlantic...... | 8 | 7 | 9 | 1 | - | 4 | 14 | - | 3 | 13 | - | 5 |
| New York City...... | 4 | - | 3 | - | - | 1 | 2 | - | - | 2 | - | 3 |
| New York, Up-State. | 1 | 2 | 1 | - | - | - | 10 | - | - | 9 | - | - |
| New Jersey......... | 3 | 5 | 3 | - | - | 3 | 2 | - | 3 | 2 | - | - |
| Pennsylvania....... | - | - | 2 | 1 | - | - | - | - | - | - | - | 2 |
| EAST NORTH CENTRAL... | 9 | 6 | 12 | - | - | 2 | 20 | - | 2 | 15 | 1 | 6 |
| Ohio............... | 1 | 1 | 5 | - | - | - | 2 | - | - | 2 | - | 1 |
| Indiana............ | 1 | - | 4 | - | - | - | 7 | - | - | 5 | - | 2 |
| Illinoí........... | 5 | 3 | 1 | - | - | 1 | 6 | - | 1 | 5 | 1 | 2 |
| Michigan............ | 1 | 2 | 2 | - | - | 1 | 3 | - | 1 | 2 | - | - |
| Wisconsin.......... | 1 | - | - | - | - | - | 2 | - | - | 1 | - | 1 |
| WEST NORTH CENTRAL... | 3 | 5 | 11 | - | 1 | 11 | 9 | - | 7 | 7 | - | 19 |
| Minnesota........... | 3 | 4 | - | - | - | 1 | 3 | - | 1 | 2 | - | 7 |
| Iowa............... | - | - | 4 | - | 1 | 5 | - | - | 2 | - | - | 1 |
| Missouri........... | - | - | - | - | - | 1 | 4 | - | - | 3 | - | 1 |
| North Dakota....... | - | - | 6-1 | - | - | - | 1 | - | - | 1 | - | - |
| South Dakota....... | - | - | 2 | - | - | - | - | - | - | - | - | 7 |
| Nebraska............ | - | - | 1 | - | - | 3 | - | - | 3 | - | - | 2 |
| Kansas...... . . . . . . | - | 1 | 3 | - | - | 1 | 1 | - | 1 | 1 | - | 1 |
| SOUTH ATLANTIC....... | 6 | 8 | 2 | - | - | 1 | 25 | - | 1 | 20 | 1 | 31 |
| Delaware........... | 1 |  | 1 | - | - | - |  | - | - | - | - | - |
| Maryland............ | 1 | - | - | - | A | 1 | 1 | - | 1 | 1 | - | - |
| Dist. of Columbia.. | - | - | - | - | - | - | - | - | - | - | - | 3 |
| Virginia........... | 2 | - | 1 | - | . | - | 3 | - | - | 3 | - | - |
| West Virginia...... | 1 | 1 | - | - | - | - | 1 | - | - | 1 | - | - |
| North Carolina..... | - | - | - | - | - | - | 10 | - | - | 6 | 1 | 3 |
| South Carolina..... | - | - | - | - | - | - | 1 | - | - | 1 | 1 | 1 |
| Georgia............. | - | - | - | - | - | - | 1 | - | - | 1 | - | 15 |
| Florida............ | 1 | 7 | - | - | - | - | 8 | - | - | 7 | - | 9 |
| EAST SOUTH CENTRAL... |  | 4 | - | - | - | 1 | 6 | - | 1 | 5 | - | 18 |
| Kentucky........... | - | 3 | - | - | - | - | - | - | - | - | - | - |
| Tennessee.......... | 1 | - | - | - | - | 1 | 3 | - | 1 | 2 | - | 1 |
| Alabama............. | 4 | 1 | - | - | - | - | 2 | - | - | 2 | - | 15 |
| Mississippi......... | - | - | - | - | - | - | 1 | - | - | 1 | - | 2 |
| WEST SOUTH CENTRAL... | 2 | 3 | - | - | - | 16 | 8 | - | 14 | 8 | - | 30 |
| Arkansas............ | - | , | - | - | - | - | - | - | - | - | - | 2 |
| Louisiana.......... | - | 1 | - | - | - | 1 | - | - | 1 | - | - | 7 |
| Oklahoma. . . . . . . . . . | - | - | - | - | - | 1 | 2 | - | 1 | 2 | - | - |
| Texas.......... | 2 | 2 | - | - | - | 14 | 6 | - | 12 | 6 | - | 21 |
| mountain. . . . . . . . . . . | 2 | 1 | 26 | - | - | 5 | 7 | - | 3 | 4 | - | - |
| Montana............ | - | - | - | - | - | - | - | - | 3 | - | - | - |
| Idaho.............. . | - | - | - | - | - | - | 1 | - | - | 1 | - | - |
| Wyoming. . . . . . . . . . |  | - | - | - | - | - | 2 | - | - | 2 | - | - |
| Colorado........... | - | 1 | 26 | - | - | - | 1 | - | - | 1 | - | - |
| New Mexico. | 2 | - | - | - | - | 1 | 3 | - | 1 | - | - | - |
| Arizona............ | - | - | - | - | - | 4 | - | - | 2 | - | - | - |
| Utah................ | - | - | - | - | - | - | - | - | - | - | - | - |
| Nevada. . . . . . . . . . . | - | - | - | - | - | - | - | - | - | - | - | - |
| PACIFIC.... | 18 | 27 | 6 | 1 | - | 6 | 3 | - | 4 | 3 | - | 9 |
| Washington. . . . . . . . | - | 1 |  | - | - | 2 | - | - | 2 | - | - | 3 |
| Oregon............. | 1 | - | 2 | - | - | 1 | 1 | - | 1 | 1 | - | 1 |
| California. | 16 | 26 | 4 | 1 | - | 3 | 2 | - | 1 | 2 | - | 5 |
| Alaska.............. | - | - | - | - | - | - | - | - | - | - | - | - |
| Hawaii............ | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Puerto Rico | - | - | - | - | - | - | - | - | - | - | - | 12 |

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
OCTOBER 23, 1965 AND OCTOBER 17, 1964 (42nd WEEK) - Continucd

| Area | Brucel- <br> losis | Infectious Hepatitis including Serum Hepatitis |  |  |  |  | Meningococeal Infections |  |  | Tetanus |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $1965$ | $\left.\begin{array}{\|c\|} \hline \text { Total } \\ \text { incl. unk. } \end{array} \right\rvert\,$ | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Under } \\ 20 \text { years } \end{array} \\ \hline 1965 \\ \hline \end{array}$ | 20 years and over 1965 | Cumulative Totals |  | 1965 | Cumulative |  | 1965 | $\begin{aligned} & \text { Cum. } \\ & 1965 \end{aligned}$ |
|  |  |  |  |  | 1965 | 1964 |  | 1965 | 1964 |  |  |
| United states... | 4 | 672 | 287 | 329 | 27,421 | 31,083 | 39 | 2,501 | 2,251 | 4 | 214 |
| NEW ENGLAND. . . . . . . . | - | 43 | 14 | 25 | - 1,598 | 2,846 | 3 | 128 | 70 | - | 5 |
| Maine.............. | - | 5 | 2 | 3 | 280 | 895 | - | 16 | 6 | - |  |
| New Hampshire...... | - | - | - | - | 158 | 219 | - | 7 | 1 | - | 1 |
| Vermont............. | - | 1 | - | - | 87 | 349 | - | 7 | 4 | - | $-$ |
| Massachusetts...... | - | 18 | 5 | 12 | 627 | 638 | 1 | 46 | 29 | - | 3 |
| Rhode Island. . . . . . Connecticut. . . . . | - | 3 16 | 1 | 2 8 | 174 272 | 165 580 | 2 | 14 38 | 10 20 | - | - |
| Connecticut........ | - | 16 | 6 | 8 | 272 | 580 | 2 | 38 | 20 | - | 1 |
| Middle atlantic...... | - | 101 | 42 | 59 | 4,853 | 6,865 | 4 | 321 | 285 | - | 13 |
| New York City...... | - | 25 | 9 | 16 | 989 | 1,061 | - | 54 | 38 | - |  |
| New York, Up-State. | - | 20 | 12 | 8 | 1,807 | 2,983 | - | 92 | 82 | - | 5 |
| New Jersey......... | - | 29 | 12 | 17 | +922 | 1,168 | 1 | 82 | 94 | - | 1 |
| Pennsylvania....... | - | 27 | 9 | 18 | 1,135 | 1,653 | 3 | 93 | 71 | - | 7 |
| EASt NORTH CENTRAL... | - | 124 | 45 | 52 | 5,301 | 4,881 | 6 | 364 | 303 | 2 | 32 |
| Ohio............... | - | 50 | 16 | 14 | 1,475 | 1,283 | 1 | 97 | 77 | 2 | 2 |
| Indiana............ | - | 8 | 3 | 5 | 452 | 419 | 1 | 47 | 48 | 2 | 9 |
| Illinois........... | - | 10 | 3 | 4 | 998 | 909 | 1 | 100 | 78 | - | 15 |
| Michigan........... | - | 50 | 23 | 27 | 2,040 | 1,920 | 2 | 78 | 69 | - | 3 |
| Wisconsin.......... | - | 6 | - | 2 | 336 | 350 | 1 | 42 | 31 | - | 3 |
| WEST NORTH CENTRAL... | 3 | 28 | 13 | 14 | 1,555 | 1,679 | 2 | 128 | 130 | 1 | 19 |
| Minnesota.......... | 1 | 11 | 1 | 9 | 175 | 196 | 2 | 29 | 29 | - | 8 |
| Iowa. . | 1 | 2 | - | 2 | 531 | 267 | - | 12 | 7 | - | 4 |
| Missouri........... | - | 9 | 8 | 1 | 332 | 413 | - | 52 | 58 | - | 2 |
| North Dakota. . . . . . | - | - | - | - | 29 | 60 | - | 11 | 19 | 1 | 1 |
| South Dakota....... | - | - | - | - | 20 | 129 | - | 3 | 3 | - | - |
| Nebraska........... | 1 | 3 | 3 | - | 78 | 45 | - | 10 | - 6 | - | 2 |
| Kansas............. | - | 3 | 1 | 2 | $390 \cdot$ | 569 | - | 11 | 8 | - | 2 |
| SOUTH ATLANTIC....... | - | 80 | 42 | 32 | 2,847 | 2,928 | 7 | 471 | 439 | - | 47 |
| Delaware........... | - | 8 | 4 | 4 | 74 | 65 | - | 9 | 6 | - | 4 |
| Maryland........... | - | 15 | 10 | 5 | 498 | 539 | 1 | 45 | 32 | - | 1 |
| Dist. of Columbia.. | - | 2 | $\overline{7}$ | 2 | 41 | 60 | - | 9 | 14 | - | - |
| Virginia............ | - | 17 | 7 | 6 | 679 | 463 | - | 57 | 50 | - | 7 |
| West Virginia...... | - | 9 | 5 | 4 | 395 | 419 | 1 | 25 | 33 | - | 1 |
| North Carolina..... |  | 18 | 13 | 5 | 275 | 489 | 1 | 96 | 75 | - | 7 |
| South Carolina.... . | - | 2 | 2 | - | 128 | 113 | 2 | 62 | 53 | - | 6 |
| Georgia............. | - | - | - | - | 98 | 86 | 1 | 58 | 64 | - | 5 |
| Florida............. | - | 9 | 1 | 6 | 659 | 694 | 1 | 110 | 112 | - | 20 |
| EAST SOUTH CENTRAL... | - | 51 | 32 | 18 | 1,958 | 2,144 | 1 | 194 | 177 | - | 28 |
| Kentucky........... | - | 17 | 11 | 5 | 698 | 771 | 1 | 76 | 57 | - | 28 6 |
| Tennessee.......... | - | 20 | 10 | 10 | 660 | 751 | - | 61 | 56 | - | 10 |
| Alabama............ | - | 11 | 8 | 3 | 351 | 407 | - | 35 | 40 | - | 10 |
| Mississippi........ | - | 3 | 3 | - | 249 | 215 | - | 22 | 24 | - | 2 |
| WEST SOUTH CENTRAL... | 1 | 44 |  |  | 2,364 |  | 5 | 324 | 260 |  |  |
| Arkansas............ | - | 4 | 1 | 3 | 301 | 228 | 1 | 16 | 23 | - | 11 |
| Louisiana. . . . . . . . . | - | 12 | 7 | 5 | 394 | 593 | 3 | 180 | 124 | - | 5 |
| Oklahoma........... | 1 | 1 | 1 | 18 | 50 | 117 | - | 20 | 11 | - | 1 |
| Texas.............. | 1 | 27 | 8 | 18 | 1,619 | 1,485 | 1 | 108 | 102 | - | 29 |
| Mountain. . . . . . . . . . . . | - | 35 | 14 | 9 | 1,515 | 1,874 | 1 | 87 | 74 | - | 3 |
| Montana. . . . . . . . . . . | - | 5 | 4 | 1 | 127 | 165 | - | 2 |  |  | 3 |
| Idaho. . . . . . . . . . . . | - | 1 | - | - | 185 | 263 | - | 9 | 3 | - | - |
| Wyoming. . . . . . . . . . | - | - | - | - | 40 | 65 | - | 5 | 5 | - | - |
| Colorado........... | - | 8 | 3 | 5 | 321 | 493 | - | 24 | 13 | - | 2 |
| New Mexico. . . . . . . | - | 6 | 4 | - | 322 | 261 | - | 11 | 29 |  | 2 |
| Arizona............ | - | 9 | - | - | 324 | 419 | - | 16 | 7 | - | 1 |
| Utah................ | - | 6 | 3 | 3 | 187 | 157 | 1 | 17 | 7 |  |  |
| Nevada. . . . . . . . . . . | - | - | - | - | 9 | 51 | - | 3 | 10 | - | - |
| PACIFIC. . . . . . . . . . . . | - | 166 | 68 | 94 |  | 5,443 | 10 | 484 |  | 1 | 21 |
| Washington......... | - | 16 | 7 | 9 | 5,418 | 550 | 2 | 37 | 39 | 1 | 21 |
| Oregon. . . . . . . . . . . | - | 19 | 5 | 10 | 460 | 570 | 2 | 33 | 21 | - | 4 |
| California......... | - | 111 | 54 | 57 | 4,291 | 3,977 | 8 | 388 | 434 | 1 | 17 |
| Alaska.............. | - | 17 | 1 | 2 | 196 | - 240 | - | 18 | 7 | 1 | 17 |
| - Hawaii............. |  | 17 | 1 | 16 | 65 | 106 | - | 8 | 12 | - | - |
| Puerto Rico | - | 22 | 14 | 8 | 1,177 | 859 | - | 9 | 31 | 3 | 48 |

## Cases of specified notifiable diseases: united states FOR WEEKS ENDED

OCTOBER 23, 1965 AND OCTOBER 17, 1964 (42nd WEEK) - Continued

|  | Measles |  |  | Strept. Sore Th. \& Scarlet Fev. <br> 1965 | Tularemia |  | Typhoid Fever |  | Rabies in Animals |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1965 | Cumulative |  | $1965$ | 1965 | Cum. | 1965 | Cum. | 1965 | Cum.1965 |
|  |  | 1965 | 1964 |  |  | 1965 |  | 1965 |  |  |
| UNITED STATES.. | 782 | 243,772 | 465,411 | 6,149 | 3 | 208 | 16 | 353 | 71 | 3,565 |
| NEW ENGLAND. . | 25 | 36,932 | 17,296 | 357 | - | 1 | 1 | 7 | 3 | 44 |
| Maine... | 7 | 2,828 | 3,068 | 15 | - | - | - | - | - | 4 |
| New Hampshire..... | 1 | , 382 | 260 | 11 | - | - | - | - | - | 3 |
| Vermont............ | - | 1,301 | 2,346 | 10 | - | - | - | - | - | 31 |
| Massachusetts. | 10 | 19,315 | 5,461 | 73 | - | 1 | - | 3 | - | 2 |
| Rhode Island. | 3 | 3,943 | 1,974 | 34 | - | - | - | 1 |  | - |
| Connecticut...... | 4 | 9,163 | 4,187 | 214 | - | - | 1 | 3 | 3 | 4 |
| MIDDLE ATLANTIC.... | 127 | 15,162 | 52,368 | 360 | - | - | 3 | 63 | 9 | 164 |
| New York City...... | 19 | 2,488 | 15,382 | 9 | - | - | - | 29 | - | - |
| New York, Up-State. | 31 57 | 4,195 | 12,773 | 188 | - | - | - | 15 | 9 | 151 |
| New Jersey | 57 20 | 2,714 5,765 | 12,234 | 144 | - | - | 3 | 7 | - | - |
| Pennsylvania....... | 20 | 5,765 | 11,979 | 19 | - | - | 3 | 12 | - | 13 |
| EAST NORTH CENTRAL... | 214 | 56,581 | 103,347 | 385 | - | 13 | 1 | 42 | 2 | 538 |
| Ohio.. | 10 | 8,921 | 19,669 | 42 | - | - | - | 11 | - | 277 |
| Indiana............. | 38 | 1,998 | 22,884 | 66 | - | 5 | 1 | 9 | 1 | 65 |
| Illinois............ | 23 | 2,827 | 16,653 | 82 | - | 5 | - | 10 | - | 83 |
| Michigan............ | 52 | 26,695 | 29,038 | 114 | - | 2 | - | 7 | - | 53 |
| Wisconsin.......... | 91 | 16,140 | 15,103 | 81 | - | 1 | - | 5 | 1 | 60 |
| WEST NORTH CENTRAL... | 37 | 16,714 | 30,343 | 233 | - | 26 | - | 11 | 18 | 728 |
| Minnesota.......... | 7 | 705 | , 335 | 13 | - | 1 | - | 1 | 6 | 149 |
| Iowa................ . | 16 | 9,068 | 23,338 | 65 | - | 19 | - | 2 | 3 | 206 |
| Missouri............ | 5 | 2,600 | 1,025 | - | - | 19 | - | 7 | 6 | 104 |
| North Dakota. . . . . . | 8 | 3,773 | 4,796 | 125 | - | - | - | - | - | 45 |
| South Dakota. . . . . . Nebraska........ | 1 | 115 453 | 35 814 | 6 | - | 2 | - | $\overline{7}$ | 3 | 56 |
| Nebraska. . . . . . . . . . | 1 | 453 | 814 | 24 | - | 4 | - | 1 | - | 36 |
| Kansas............. . | NN | NN | NN | 24 | - | 4 | - | - | - | 132 |
| SOUTH ATLANTIC....... | 98 | 25,230 | 38,657 | 651 | 2 | 33 | 2 | 68 | 5 | 474 |
| Delaware........... | - | 506 | 412 | 18 | - | - | - | 4 | - | , |
| Maryland........... | - | 1,170 | 3,413 | 58 | - | - | - | 20 | - | 23 |
| Dist. of Columbia. | 3 | +78 | . 354 | 16 | - | - | - | - | - | - |
| Virginia............ | 13 | 3,913 | 12,724 | 188 | - | 8 | - | 8 | 3 | 289 |
| West Virginia...... | 60 | 14,020 | 8,835 | 191 | , | - | - | 3 | - | 21 |
| North Carolina..... | 1 | +396 | 1,169 | 32 | 2 | 8 | - | 15 | - | 3 |
| South Carolina..... | - | 1,058 | 4,269 | 9 | - | 3 | - | 8 | - | 2 |
| Georgia............ | - | 617 | 199 | 5 | - | 14 | 2 | 6 | 1 |  |
| Florida............. | 24 | 3,472 | 7,282 | 134 | - | - | - | 4 | , | 73 |
| EAST SOUTH CENTRAL. . | 69 | 14,205 | 68,111 | 1,129 | - | 21 | 5 | 38 | 13 |  |
| Kentucky........... | 24 | 2,714 | 18,585 | 40 | - | 3 | 1 | 10 | 1 | 81 |
| Tennessee.......... | 35 | 8,026 | 24,440 | 982 | - | 17 | - | 12 | 8 | 615 |
| Alabama............. | 4 | 2,339 | 18,397 | 86 | - | 1 | 2 | 9 | - | 16 |
| Mississippi......... | 6 | 1,126 | 6,689 | 21 | - | - | 2 | 7 | 4 | 41 |
| WEST SOUTH CENTRAL. | 59 | 31,164 | 72,338 | 643 | 1 | 88 | - | 50 | 6 | 568 |
| Arkansas.. | - | 1,085 | 1,134 | 3 | 1 | 61 | - | 13 | 1 | 82 |
| Louisiana........... | 1 | 110 | 117 | 20 | - | 5 | - | 9 | - | 72 |
| Oklahoma............ | 58 | 210 29.759 | 1,021 | 16 | - | 11 | - | 6 | 1 | 126 |
| Texas... | 58 | 29,759 | 70,066 | 604 | - | 11 | - | 22 | 4 | 288 |
| mountain. . . . . . . . . . . | 84 | 19,982 | 19,048 | 1,200 | - | 16 | - | 28 | 3 | 80 |
| Montana............. | 18 | 3,764 | 3,238 | 57 | - | 4 | - | 1 | - | 5 |
| Idaho............... | 28 | 2,832 | 1,952 | - 47 | - | - | - | - | - |  |
| Wyoming............. | 1 | 852 | 265 | 28 | - | 4 | - | 1 | - | - |
| Colorado............ | 19 | 5,715 | 3,263 | 485 | - | - | - | - | - | 9 |
| New Mexico......... | 2 | 679 | 507 | 356 | - | - | - | 11 | - | 14 |
| Arizona............. | 7 | 1,357 | 6,702 | 79 | - | - | - | 12 | 3 | 49 |
| Utah................. | 9 | 4,577 | 2,129 | 148 | - | 8 | - | 1 | - | 2 |
| Nevada.............. | - | 206 | 992 | - | - | - | - | 2 | - | 1 |
| PACIFIC............... | 69 | 27,802 | 63,903 | 1,191 | - | 10 | 4 | 46 | 12 | 216 |
| Washington......... | 12 | 7,295 | 20,167 | 295 | - | - | - | 4 | - | 7 |
| Oregon............... | 12 | 3,315 | 8,718 | 22 | - | 5 | - | 8 | - | 9 |
| California.......... | 26 | 13,106 | 33,276 | 792 | - | 5 | 4 | 33 | 12 | 198 |
| Alaska.............. |  | 190 3,896 | 1,124 618 | 14 | - | - | - | - | - | 2 |
| Hawail.............. | 16 | 3,896 | 618 | 68 | - | - | - | 1 |  | - |
| Puerto Rico | 27 | 2,531 | 6,632 | 26 | - | - | 1 | 13 | - | 13 |

Week No. 42

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED OCTOBER 23, 1965
(By place of occurrence and week of filing certificate. Excludes fetal deaths)

| Area | All Causes |  | Pneumonia and Influenza All Ages | Under 1 year All Causes | Area | All Causes |  | Pneumonia and Influenza All Ages | Under <br> 1 year <br> Al1 <br> Causes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { All } \\ & \text { Ages } \end{aligned}$ | 65 years and over |  |  |  | $\begin{aligned} & \text { All } \\ & \text { Ages } \end{aligned}$ | 65 years and over |  |  |
| NEW ENGLAND: | 703 | 429 | 35 | 46 | SOUTH ATLANTIC: | 1,139 | 552 | 55 | 82 |
| Boston, Mass | 257 | 148 | 11 | 16 | Atlanta, Ga. | 130 | 54 | 6 | 9 |
| Bridgeport, Conn. | 35 | 23 | 2 | 4 | Baltimore, Md. | 268 | 131 | 3 | 21 |
| Cambridge, Mass.------ | 27 | 17 | - | 1 | Charlotte, N. C. | 47 | 22 | 4 | 3 |
| Fall River, Mass.---- | 19 | 10 | 2 | 1 | Jacksonville, Fla | 58 | 26 | 3 | 4 |
| Hartford, Conn.------- | 54 | 28 | 3 | 3 | Miami, Fla...- | 71 | 42 | 2 | 5 |
| Lowe 11, Mass.- | 21 | 16 | - | 1 | Norfolk, Va. | 55 | 23 | 5 | 3 |
| Lynn, Mass.----------- | 30 | 24 | - | 1 | Richmond, Va, | 95 | 41 | 3 | 9 |
| New Bedford, Mass | 36 | 28 | 3 | - | Savannah, Ga.--------- | 29 | 16 | 4 | 1 |
| New Haven, Conn.------ | 44 | 24 | 1 | 7 | St. Petersburg, Fla.--- | 63 | 47 | 2 | 4 |
| Providence, R. I.----- | 69 | 48 | 5 | 3 | Tampa, Fla.-- | 74 | 39 | 9 | 4 |
| Somerville, Mass. | 5 | 5 | - | - | Washington, D. C | 207 | 91 | 14 | 16 |
| Springfield, Mass.---- | 46 | 28 | 6 | 4 | Wilmington, Del. | 42 | 20 | - | 3 |
| Waterbury, Conn...---- | 23 | 11 | 2 | 3 |  |  |  |  |  |
| Worcester, Mass.------ | 37 | 19 | - | 2 | EAST SOUTH CENTRAL: | 593 | 312 | 23 | 33 |
| MIDDLE ATLANTIC: | 3,340 | 946 | 148 | 170 | Birmingham, Ala. | 102 | 54 59 | 1 | 5 |
| Albany, N. Y.--------- | 52 | 33 | 1 | 5 | Knoxville, Tenn. | 34 | 23 | 1 | 2 |
| Allentown, Pa. | 33 | 24 | 2 | 1 | Louisville, Ky. | 126 | 70 | 4 | 7 |
| Buffalo, N. Y | 137 | 84 | 6 | 10 | Memphis, Tenn. | 112 | 57 | 3 | 3 |
| Camden, N. J.--------- | 53 | 33 | 2 | 4 | Mobile, Ala....----.---- | 58 | 29 | 1 | 3 |
| Elizabeth, N. J.----- | 41 | 25 | 1 | 2 | Montgomery, Ala. | 27 | 16 | - | 2 |
| Erie, Pa.- | 39 | 28 | 7 | 4 | Nashville, Tenn. | 81 | 34 | 7 | 8 |
| Jersey City, N. J.---- | 90 | 50 | 1 | 5 |  |  |  |  |  |
| Newark, N. J.--------- | 99 | 41 | 3 | 13 | WEST SOUTH CENTRAL: | 1,084 | 571 | 41 | 91 |
| New York City, N. Y.-- | 1,688 | 1,004 | 72 | 69 | Austin, Tex.----------- | 34 | 22 | 3 | $\bigcirc$ |
| Paterson, N. J. | 41 | 24 | 2 | 1 | Baton Rouge, La.------- | 37 | 25 | 1 | 2 |
| Philadelphia, Pa.---- | 476 | 268 | 17 | 25 | Corpus Christi, Tex.--- | 25 | 10 | - | 1 |
| Pittsburgh, Pa.------- | 221 | 100 | 5 | 12 | Dallas, Tex. | 150 | 70 | 5 | 16 |
| Reading, Pa. | 33 | 21 | 2 | 2 | El Paso, Tex | 36 | 19 | - | 2 |
| Rochester, N. Y.------ | 103 | 61 | 12 | 10 | Fort Worth, Tex | 53 | 33 | 4 | 2 |
| Schenectady, N. Y.---- | 31 | 18 | 4 | - | Houston, Tex. | 195 | 95 | 10 | 16 |
| Scranton, Pa.-.------- | 39 | 26 | 2 | 2 | Little Rock, Ark | 71 | 41 | 3 | 13 |
| Syracuse, N. Y.------- | 60 | 43 | 1 | 2 | New Orleans, La.--...-- | 165 | 79 | 6 | 14 |
| Trenton, N. J.-------- | 43 | 22 | 3 | 2 | Oklahoma City, Okla | 79 | 41 | 1 | 7 |
| Utica, N. Y..--------- | 26 | 21 | 4 | - | San Antonio, Tex.---.-- | 117 | 68 | 2 | 6 |
| Yonkers, N. Y.-------- | 35 | 20 | 1 | 1 | Shreveport, La.-------- | 71 | 42 | 3 | 9 |
|  |  |  |  |  | Tulsa, Okla.----------- | 51 | 26 | 3 | 3 |
| EAST NORTH CENTRAL: | 2,570 | 1,427 | 88 | 150 |  |  |  |  |  |
| Akron, Ohio----------- | 60 | 34 | $\overline{7}$ | 6 | MOUNTAIN: | 376 | 225 | 17 | 21 |
| Canton, Ohio---------- | 33 | 23 | 2 | 1 | Albuquerque, N. Mex.--- | 27 | 12 | 1 | 1 |
| Chicago, Ill.--------- | 720 | 372 | 29 | 28 | Colorado Springs, Colo. | 16 | 13 |  | - |
| Cincinnati, Ohio------ | 167 | 106 | 7 | 11 | Denver, Colo.---------- | 109 | 66 | 4 | 6 |
| Cleveland, Ohio------- | 237 | 118 | 2 | 26 | Ogden, Utah------------- | 18 | 12 | 1 | 1 |
| Columbus, Ohio-------- | 142 | 85 | - | 9 | Phoenix, Ariz.---...---- | 102 | 54 | 10 | 8 |
| Dayten, Ohio----.----- | 93 | 51 | 4 | 4 | Pueblo, Colo.--------- | 22 | 13 | - | 2 |
| Detroit, Mich.-------- | 321 | 181 | 10 | 19 | Salt Lake City, Utah--- | 44 | 28 | - | 3 |
| Evansville, Ind.------ | 40 | 29 | 4 | - | Tucson, Ariz.--------- | 38 | 27 | - | $-$ |
| Flint, Mich.---------- | 50 | 25 | 2 | 8 |  |  |  |  |  |
| Fort Wayne, Ind...-.-- | 43 | 23 | 5 | 1 | PACIFIC: |  | 860 | 44 | 111 |
| Gary, Ind.------------ | 49 | 19 | 5 | 7 | Berkeley, Calif.------- | 30 | 15 | - | 4 |
| Grand Rapids, Mich.--- | 42 | 26 | 4 | 1 | Fresno, Calif.--------- | 59 | 37 | 2 |  |
| Indianapolis, Ind.---- | 154 | 82 | 6 | 9 | Glendale, Calif.------- | 38 | 29 |  | - |
| Madison, Wis.--------- | 38 | 19 | - | 2 | Honolulu, Hawai1------ | 39 | 15 | 1 | 9 |
| Milwaukee, Wis.------- | 117 | 70 | 2 | 7 | Long Beach, Calif....-- | 70 | 41 | 1 | 2 |
| Peoria, Ill.---------- | 43 | 23 | - | 2 | Los Angeles, Calif.--- | 407 | 215 | 17 | 43 |
| Rockford, 111.-------- | 25 | 21 | 1 | - | Oakland, Calif.-----.-- | 113 | 62 | 2 | 12 |
| South Bend, Ind.-.---- | 36 | 21 | 1 | 1 | Pasadena, Calif.------ | 32 | 24 | 1 | 1 |
| Toledo, Ohio---------- | 90 | 60 | 4 | 5 | Portland, Oreg.-.-.-.--- | 110 | 49 | 2 | 9 |
| Youngstown, Ohio-...-- | 70 | 39 | - | 3 | Sacramento, Calif.----- | 63 | 35 | 2 | 2 |
|  |  |  |  |  | San Diego, Calif.------ | $\begin{array}{r}98 \\ \hline 16\end{array}$ | 59 | 4 | 2 |
| WEST NORTH CENTRAL: | 818 57 | 503 33 | 24 | 46 | San Francisco, Calif.-- | 216 | 116 | 7 | 13 |
| Des Moines, Iowa------------- Duluth, Minn.--- | 57 29 | 33 | - | - | San Jose, Calif.------- | 32 | 24 | - | 1 |
| Duluth, Minn.---------- | 43 | 24 | - | 1 | Seattle, Wash.--------- | 129 | 85 | 3 | 6 |
| Kansas City, Mo.------ | 118 | 72 | 6 | 7 | Tacoma, Wash.------ | 50 28 | 35 19 | 1 | 3 |
| Lincoln, Nebr.-------- | 21 | 14 |  | 3 |  |  |  |  | 3 |
| Minneapolis, Minn.---- | 125 | 84 | 4 | 6 | Total | 12,137 | 6,825 | 475 | 750 |
| Omaha, Nebr.---------- | 69 | 36 | 1 | 3 |  |  |  |  |  |
| St. Louis, Mo.-------- | 232 | 136 | 9 | 13 | Cum | ulative | tals |  |  |
| St. Paul, Minn.------- | 75 | 50 | - | 3 | including reporte | correc | ons for $p$ | revious we |  |
| Wichita, Kans.-------- | 49 | 32 | 4 | 5 |  |  |  |  |  |
|  |  |  |  |  | All Causes, All Ages |  | --- |  |  |
|  |  |  |  |  | All Causes, Age 65 and o | er- |  | --- 291,19 |  |
|  |  |  |  |  | Pneumonia and Influenza, | All Age |  | -- -20,82 |  |
|  |  |  |  |  | All Causes, Under 1 Year | of Age- |  | --- 30,65 |  |

## SURVEILLANCE SUMMARY SHIGELLA - SECOND QUARTER, 1965

(Continued from page 363)
isolated in Colorado were found during a routine culturing of checked eggs and cattle feed, which was initiated to determine if enteric pathogens, particularly salmonella, were present. No report of animal or human disease associated with any of these isolations was received.
(Reported by the Shigella Surveillance Unit, CDC.)

## EPIDEMIOLOGIC NOTES AND REPORTS

## MEASLES - Newark, New Jersey

An analysis of 84 cases of measles reported from Newark, New Jersey, during the period from September 1 through October 19 revealed that 64 cases were concentrated in the central and the south wards of the city's five wards. Altogether, 63 families were affected, of which 17 families had more than one reported case of measles. There were 8 instances of presumed co-primary infections and 7 instances of a primary case in a school-age child with subsequent spread to siblings of preschool age. In two families spread from a child of preschool age occurred. The age distribution is listed below:

| Age | $<1$ year | $1-4$ years | $5-9$ years | $>10$ years |
| :---: | :---: | :---: | :---: | :---: |
| Number of Cases | 4 | 48 | 32 | 0 |

An immunization survey was conducted by the New Jersey State Health Department in February 1965. This indicated that 6 percent of the children of 1-4 years of age in the lower socioeconomic areas of Newark had been vaccinated against measles, whereas 19 percent was the average figure for the same age group in the city as a whole. The State Health Department has since made available, to private physicians, measles vaccine for children in the lower socioeconomic areas and the Newark Health Department is also sponsoring measles vaccination of young children at the public well-baby clinics. (Reported by Dr. Pascal J. Baiocchi, Director, Health and Welfare Department, City of Newark; Dr. Aaron H. Haskin, Health Officer, City of Newark; Dr. W. J. Dougherty, Director, Epidemiology, New Jersey State Health Department; and an EIS Officer.)

THE MOREIOITY AND MORTALIYY WEEKLY REPORT, WITH A CIRCULA THE MOREIOITVAND MORTALITY AEE THOO, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, AYLANTA, GEORGIA.
CHIEF, COMMUNICABLE DISEASE CENTER CHIEF, EPIDEMIOLOGY ERANCH CHIEF, SURVEILLANCE SECTION

EDITOR: MMWR

N ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING WELCOMTY AND MORTALITY. THE COMMUNICABLE DISEASE CENT IN WESTIGAES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE OFFICIALS AND WHICH ARE OF CURRENT INTEREST TO HEAL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADORESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA. GEORGIA зозэз

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SAT URDAY: COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.


