

LOUISIANA MONTHLY MORBIDITY

DISEASES REPORTED DURING MONTH OF JULY, 1972

BY PARISH OF RESIDENCE

RECOMMENDATION OF THE PUBLIC HEALTH SERVICE ADVISORY COMMITTEE ON IMMUNIZATION PRACTICES

INTRODUCTION

Influenza occurs in the United States every year, but the incidence and geographic extent vary widely. Periodically, it appears in epidemic form as a result of antigenic variation in prevalent viruses and the relative susceptibility of the population. Both type A and type B influenza viruses undergo antigen changes. Such changes usually occur slowly, but occasionally they are rapid and abrupt. Epidemics caused by type A influenza viruses occur more frequently and are generally more severe than those caused by type B.

The effectiveness of inactivated influenza vaccines* has been variable, and protection has been relatively brief. This

INFLUENZA VACCINE

has contributed to recommendations only for selective use in persons at high-risk. Vaccine for 1972-73 has more antigen than prior products and should give better results. It should be given to chronically ill patients and possibly to older persons in general. These two groups appear to be more vulnerable than others to serious cases of influenza and its complications. Because some influenza occurs each year, annual immunization of "high risk" patients is indicated as a routine procedure regardless of the amount of influenza expected in any specific geographic area.

(Continued on Page 3)

DIVISION OF PUBLIC HEALTH STATISTICS -

- LOUISIANA STATE DEPARTMENT OF HEALTH

| RELEASED August 4, 1972 | ASEPTIC MENINGITIS | DIPHThERIA | ENCEPHALITIS | ENCEPHALITIS, POST INFECTION | INFECTIOUS AND SERUM HEPATITIS | TUBERCULOSIS, PULMONARY | MENINGOCOCCAL INFECTIONS | PERTUSSIS | POLIOMYELITIS, PARALYTIC | RABIES IN ANIMALS | RHEUMATIC FEVER | RUBELLA * | SHIGELLOSIS | TYPHOID FEVER | OTHER SALMONELLOSIS | TETANUS | MEASLES | GONORRHEA | SYPHILIS, PRIMARY AND SECONDARY |
|----------------------------|-----------------------|------------|--------------|---------------------------------|-----------------------------------|----------------------------|-----------------------------|-----------|-----------------------------|-------------------|-----------------|-----------|-------------|---------------|------------------------|---------|---------|-----------|------------------------------------|
| TOTAL TO DATE 1971 | 91 | 11 | 5 | 6 | 416 | 425 | 50 | 33 | 0 | 21 | 2 | 281 | 19 | 6 | 71 | 1 | 1662 | 7939 | 416 |
| TOTAL TO DATE 1972 | 36 | 4 | 9 | 9 | 433 | 339 | 34 | 27 | 0 | 27 | 8 | 86 | 77 | 4 | 90 | 4 | 94 | 9603 | 512 |
| TOTAL THIS MONTH | 8 | 0 | 4 | 0 | 58 | 49 | 3 | 6 | 0 | 3 | 1 | 2 | 15 | 0 | 22 | 0 | 1 | 1275 | 67 |
| ACADIA | | | | | 1 | 3 | | | | | | | | | | | | 4 | |
| ALLEN | | | | | | 1 | | | | | | | | | | | | | |
| ASCENSION | | | | | | | | | | | | | | | | | | 1 | |
| ASSUMPTION | | | | | | | | | | | | | | | | | | 6 | |
| AVOUELLES | | | | | | | | | | | | | | | | | | 1 | |
| BEAUREGARD | | | | | | 1 | | | | | | | | | | | | 2 | |
| BIENVILLE | | | | | | | | | | | | | | | | | | 1 | |
| BOSSIER | | | | | | 2 | | | | | | | | | | | | 23 | |
| CADDO | | | | | 2 | 3 | | | | 1 | | | | | | | | 165 | 1 |
| CALCASIEU | | | | | 2 | | | | | | | | | | 3 | | | 38 | |
| CALDWELL | | | | | | 1 | | | | | | | | | | | | | |
| CAMERON | | | | | | | | | | | | | | | | | | 2 | |
| CATAHOULA | | | | | | | | | | | | | | | | | | 1 | |
| CLAIBORNE | | | | | | | | | | | | | | | | | | | 2 |
| CONCORDIA | | | | | 1 | | | | | | | | | | | | | | |
| DESOTO | | | | | | | | | | | | | | | | | | 14 | |
| EAST BATON ROUGE | | | 1 | | 3 | 4 | | | | | | | | | 6 | | | 60 | |
| EAST CARROLL | | | | | | | | | | | | | | | | | | 12 | |
| EAST FELICIANA | | | | | | | | | | | | | | | | | | | |
| EVANGELINE | | | | | | | | | | | | | | | | | | 5 | |
| FRANKLIN | | | | | | | | | | | | | | | | | | | |
| GRANT | | | | | | | | | | | | | | | | | | 3 | |
| IBERIA | | | | | | 1 | | | | | | | | | | | | 10 | |
| IBERVILLE | | | | | | 1 | | | | | | | | | | | | 1 | 2 |

*Includes, Rubella Congenital Syndrome.

JULY, 1972

| DIVISION OF PUBLIC HEALTH STATISTICS - | | - LOUISIANA STATE DEPARTMENT OF HEALTH | | | | | | | | | | | | | | | | | | |
|--|-----------------------|--|--------------|----------------------------------|-----------------------------------|----------------------------|-----------------------------|-----------|-----------------------------|-------------------|-----------------|---------|-------------|---------------|------------------------|---------|---------|-----------|------------------------------------|---|
| RELEASED | ASEPTIC MENINGITIS | DIPHThERIA | ENCEPHALITIS | ENCEPHALITIS, POST INFECTIOUS | INFECTIOUS AND SERUM HEPATITIS | TUBERCULOSIS, PULMONARY | MENINGOCOCCAL INFECTIONS | PERTUSSIS | POLIOMYELITIS, PARALYTIC | RABIES IN ANIMALS | RHEUMATIC FEVER | RUBELLA | SHIGELLOSIS | TYPHOID FEVER | OTHER SALMONELLOSIS | TETANUS | MEASLES | GONORRHEA | SYPHILIS, PRIMARY AND SECONDARY | |
| August 4, 1972 | | | | | | | | | | | | | | | | | | | | |
| JACKSON | | | | | | | | | | | | | 1 | | 1 | | | | 2 | |
| JEFFERSON | 2 | | 1 | | 3 | 3 | | | | | | | 1 | | 1 | | | | 84 | 6 |
| JEFFERSON DAVIS | | | | | 1 | 1 | | | | | | | | | | | | | 17 | |
| LAFAYETTE | | | 1 | | 5 | 4 | | | | | | | | | | | | | | 1 |
| LAFOURCHE | 1 | | | | 1 | | | | | | | | | | 1 | | | | 25 | |
| LASALLE | | | | | | | | | | | | | | | | | | | 1 | |
| LINCOLN | | | | | | 1 | | | | | | | | | | | | | 42 | |
| LIVINGSTON | | | | | 1 | | | | | | | | | | | | | | 1 | |
| MADISON | | | | | | | | | | | | | | | | | | | 22 | 2 |
| MOREHOUSE | | | | | | | 1 | | | | | | | | | | | | 8 | 1 |
| NATCHITOCHE | | | | | 1 | | | | | | | | | | | | | | 3 | |
| ORLEANS | 3 | | 1 | | 14 | 8 | | 1 | | | 1 | 1 | 14 | | 9 | | 1 | 413 | 37 | |
| OUACHITA | | | | | 8 | 2 | | 5 | | | | | | | | | | | 81 | 3 |
| PLAQUEMINES | | | | | | | | | | | | | | | | | | | 1 | |
| POINTE COUPEE | | | | | | | | | | | | | | | | | | | | |
| RAPIDES | | | | | 10 | | | | | | | | | | | | | | 44 | 2 |
| RED RIVER | | | | | | | | | | | | | | | | | | | | |
| RICHLAND | | | | | | | | | | | | | | | | | | | 6 | 4 |
| SABINE | | | | | | | 1 | | | | | | | | | | | | | |
| ST. BERNARD | | | | | 1 | | | | | | | | | | | | | | 9 | |
| ST. CHARLES | 1 | | | | | | | | | 1 | | | | | | | | | | |
| ST. HELENA | | | | | | | | | | | | | | | | | | | 3 | |
| ST. JAMES | | | | | | | | | | | | | | | | | | | | 2 |
| ST. JOHN | | | | | | 1 | | | | | | | | | | | | | 2 | 1 |
| ST. LANDRY | | | | | 1 | 1 | | | | | | 1 | | | | | | | 30 | 1 |
| ST. MARTIN | | | | | | 1 | | | | | | | | | 1 | | | | 4 | |
| ST. MARY | | | | | | | | | | | | | | | | | | | 4 | 1 |
| ST. TAMMANY | | | | | 1 | | | | | | | | | | | | | | 20 | |
| TANGIPAHOA | | | | | | 1 | | | | | | | | | | | | | 12 | |
| TENSAS | | | | | | 2 | | | | | | | | | | | | | | |
| TERREBONNE | 1 | | | | | | 1 | | | | | | | | 1 | | | | 3 | |
| UNION | | | | | 1 | | | | | | | | | | | | | | 3 | |
| VERMILION | | | | | 1 | | | | | | | | | | | | | | 1 | |
| VERNON | | | | | | | | | | | | | | | | | | | 40 | 1 |
| WASHINGTON | | | | | | 4 | | | | | | | | | | | | | 15 | |
| WEBSTER | | | | | | 1 | | | | | | | | | | | | | 3 | |
| WEST BATON ROUGE | | | | | | 2 | | | | | | | | | | | | | | |
| WEST CARROLL | | | | | | | | | | | | | | | | | | | 3 | |
| WEST FELICIANA | | | | | | | | | | | | | | | | | | | 15 | |
| WINN | | | | | | | | | | 1 | | | | | | | | | 9 | |
| OUT OF STATE | | | | | | | | | | | | | | | | | | | | |

From January 1 through July 31, the following cases were also reported: 1 - Actinomycosis, 1 - Brucellosis, 5 - Malaria (contracted outside the U.S.A.)

INFLUENZA VIRUS VACCINES

The Division of Biologics Standards reviews influenza vaccine formulation regularly and recommends reformulation, when indicated, to include contemporary antigens. The influenza vaccine this year is different from that available in 1971-72. Although the type A strain present in 1971-72 is retained, its potency has been increased from 400 to 700 chick cell agglutinating (CCA) units. A more current type B strain replaces that in the 1971-72 formulation. Each adult dose of 1972-73 vaccine contains a total of 700 CCA units type A [A/Aichi/2/68(H3N2)]** and 300 CCA units type B (B/Massachusetts/1/72). Doses for children are specified in the manufacturers' package labeling. Vaccines from all producers are of the highly purified variety and should be less often associated with adverse reactions than the previous influenza vaccines.

VACCINE USAGE

General Recommendations

Annual vaccination is recommended for persons of all ages who have chronic debilitating conditions: 1) congenital and rheumatic heart disease, especially with mitral stenosis, and arteriosclerotic and hypertensive heart disease, particularly with cardiac insufficiency; 2) chronic bronchopulmonary diseases, such as asthma, chronic bronchitis, cystic fibrosis, bronchiectasis, emphysema, and advanced tuberculosis; 3) diabetes mellitus and other chronic metabolic disorders.

*The official name of the currently available product is Influenza Virus Vaccine, Bivalent.

**The World Health Organization has recommended a revised system of nomenclature for type A influenza viruses which includes their strain designation and a description of the two surface antigens, hemagglutinin (H) and neuraminidase (N).

Although the value of routinely immunizing all older age persons is less clear, those patients who have incipient or potentially chronic disease, particularly affecting cardiovascular and bronchopulmonary systems, should also be considered for annual immunization.

Immunizations of persons who provide essential community services may also be considered if local priorities justify. However, before undertaking such programs, responsible physicians must take into account a number of reasonable constraints: difficulties inherent in predicting influenza epidemics, variability of vaccine effectiveness, incidence of adverse side effects, cost, availability of vaccine, and risk of diverting vaccine from those with chronic debilitating conditions who are at risk.

Schedule

The primary series consists of 2 doses administered subcutaneously, preferably 6-8 weeks apart. (Dose volume for adults and a detailed schedule for children are specified in the manufacturers' labeling.) Persons who have had 1 or more doses of vaccine containing the Hong Kong strain antigen (all influenza vaccines since 1968-69) need only a single subcutaneous booster dose of bivalent vaccine. All others should receive the full primary series. Vaccination should be scheduled for completion by mid-November.

Precautions

Influenza vaccine is prepared from viruses grown in embryonated eggs and ordinarily should not be administered to persons clearly hypersensitive to egg protein, ingested or injected.

From: "Morbidity and Mortality Weekly Report" published by the Center for Disease Control, Public Health Service, Atlanta, Georgia, for week ending June 17, 1972.