



MONTHLY MORBIDITY REPORT

EPIDEMIOLOGY

PUBLIC HEALTH STATISTICS

DEPARTMENT OF HEALTH AND HUMAN RESOURCES
OFFICE OF PREVENTIVE AND PUBLIC HEALTH SERVICES
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MEASLES OUTBREAK WASHINGTON-ST. TAMMANY (41 CASES)

A report of a possible measles case was received on April 19, 1985 from the Infectious Disease Contact Officer at Slidell Memorial Hospital in St. Tammany parish. The report was by the way of an inquiry of a blood test result on a specimen submitted to the state laboratory earlier. At this point investigation and containment procedures were begun immediately by the Immunization Program staff and the St. Tammany parish health unit personnel.

Rash onset of the case was 3/15/85. The patient was an 11 month old male who had been hospitalized 5 days for complications from measles. Rash onsets for the 41 cases ranged from 3/15/85 to 7/5/85.

It has been determined that two of the cases, an 8 month old and an 11 month old, were in the emergency room at Slidell Memorial Hospital on the same afternoon as an LSU student who was diagnosed March 3rd. The initial information from the Infectious Disease Control personnel was that he was admitted directly to the hospital by way of the admission office. It was not determined until later that the LSU student had been in the emergency room approximately 2 hours. Three additional cases, an 8 month old, a 3 year old and a 17 month old, were indirectly related to the emergency room exposure.

The outbreak involved three hospitals, Slidell Memorial in Slidell, Highland in Covington and Charity in Bogalusa. Each hospital reviewed the immunization record of each employee who may have been exposed to the measles cases. There were approximately 50 doses of MMR vaccine administered to those who were identified as susceptible. Four measles cases occurred in hospital employees. One administrator and two registered nurses in Highland Hospital and an aid in Charity Hospital were infected. Record review of patients and employees in a dental office in Covington, where one of the measles cases had visited, were reviewed. In addition, reviews of immunization records of employees and patients in three pediatric offices were performed. No susceptibles were identified in the three offices. Even though school is not in session, record reviews have been performed in the Bogalusa City School System. Those students who do not have an immunization record or documentation of a measles vaccination are currently being contacted. The Washington parish school system is currently being assessed as each individual principal is contacted. Since schools are closed this makes the task more difficult. St. Tammany parish schools have been completed with no susceptibles identified in the system.

**AGE DISTRIBUTION OF MEASLES CASES
WASHINGTON-ST. TAMMANY PARISHES, LOUISIANA
MARCH-JULY, 1985**

AGE	NUMBER OF CASES	PERCENT
≤ 15 Months	12	29.3
16 Months - 4 Years	10	24.4
5 - 9 Years	0	- -
10 - 14 Years	5	12.2
15 - 19 Years	6	14.6
20 - 24 Years	2	4.9
25 - 27 Years	0	- -
≥ 28 Years	6	14.6

AGE DISTRIBUTION OF THE NON-PREVENTABLE CASES

AGE	NUMBER	PERCENT	REASON			
			Too Young	Birth pre 1957	Previously Vaccinated	Religious Beliefs
≤ 15 Months	12	44.4	12			
16 Months - 4 Years	5	18.5			4	1
5 - 9 Years	0	- -			0	
10 - 14 Years	4	14.8			4	
15 - 19 Years	3	11.1			3	
20 - 24 Years	0	- -				
25 - 27 Years	0	- -				
≥ 28 Years	3	11.1		2		1
TOTAL	27		12 (44.4%)	2 (7.4%)	11 (40.7%)	2 (7.4%)

All cases met the clinical criteria for measles diagnosis with 19 (46.3%) sero confirmed (Attachment A). There were 6 generations, with 20 cases identified as 4th generation cases. Twenty-seven (65.9%) are classified as non-preventable with 11 (26.8%) having been appropriately immunized; 12 (29.3%) <16 months of age; 2 (4.9%) each for religious beliefs and birth before 1957 (Attachment B). There were 15 (36.6%) of the 41 cases hospitalized secondary to measles infection (Attachment C). Four hospital employees were infected during the outbreak

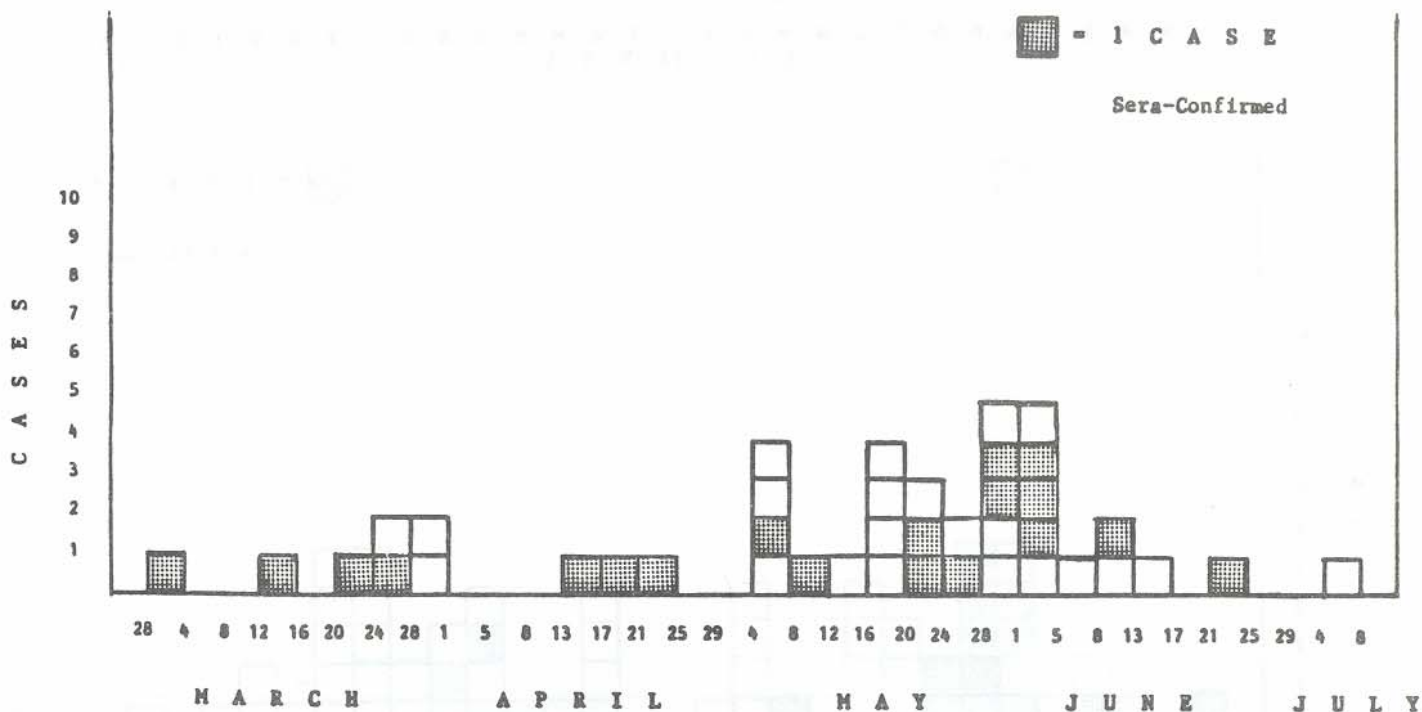
(Attachment D).

In addition, 11 (26.8%) of the cases were associated with a rural church that historically had not been opposed to immunizations, but recently, within the last few years, has a pastor who is opposed (Attachment D). Twelve (44.4%) of the 27 non-preventable cases were less than 16 months of age; 11 (40.7%) had been appropriately immunized. The remaining non-preventable cases either were born prior to 1957 (2) or had religious beliefs opposed to immunizations (2).

ATTACHMENT A

M E A S L E S

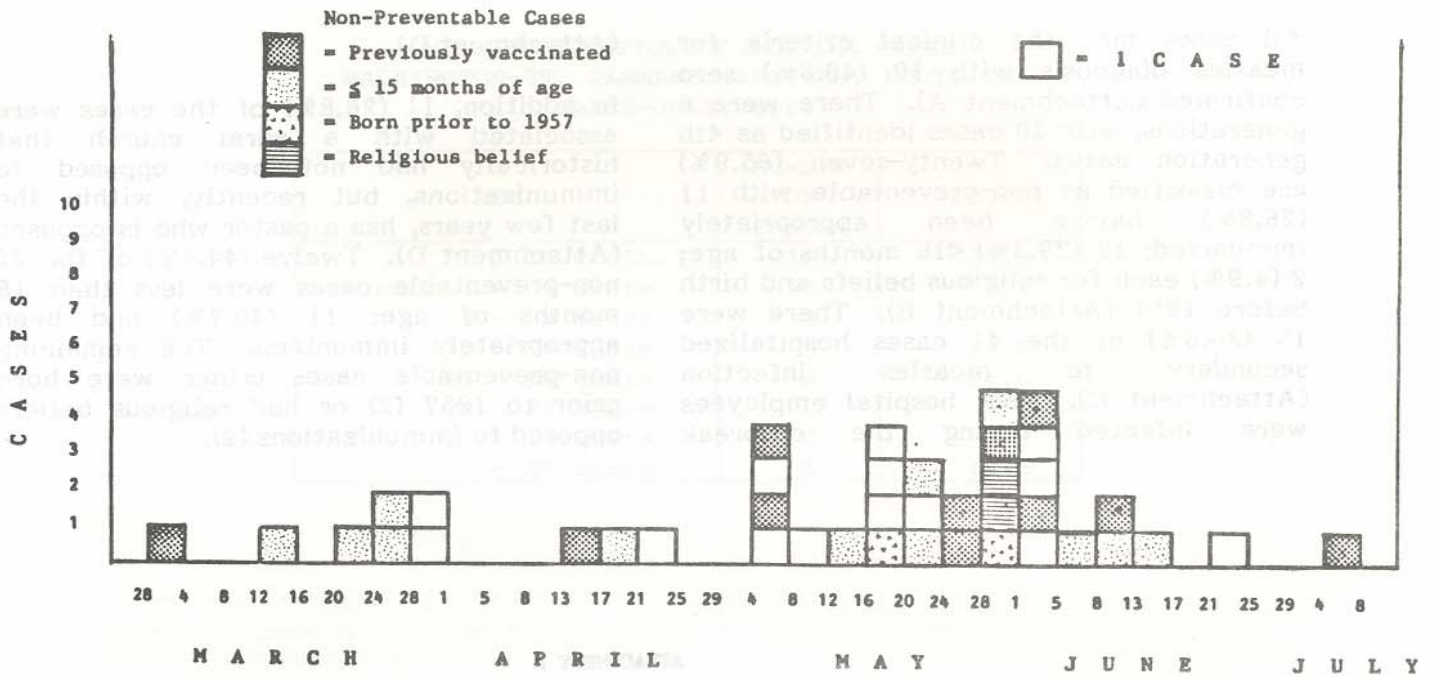
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ATTACHMENT B

M E A S L E S

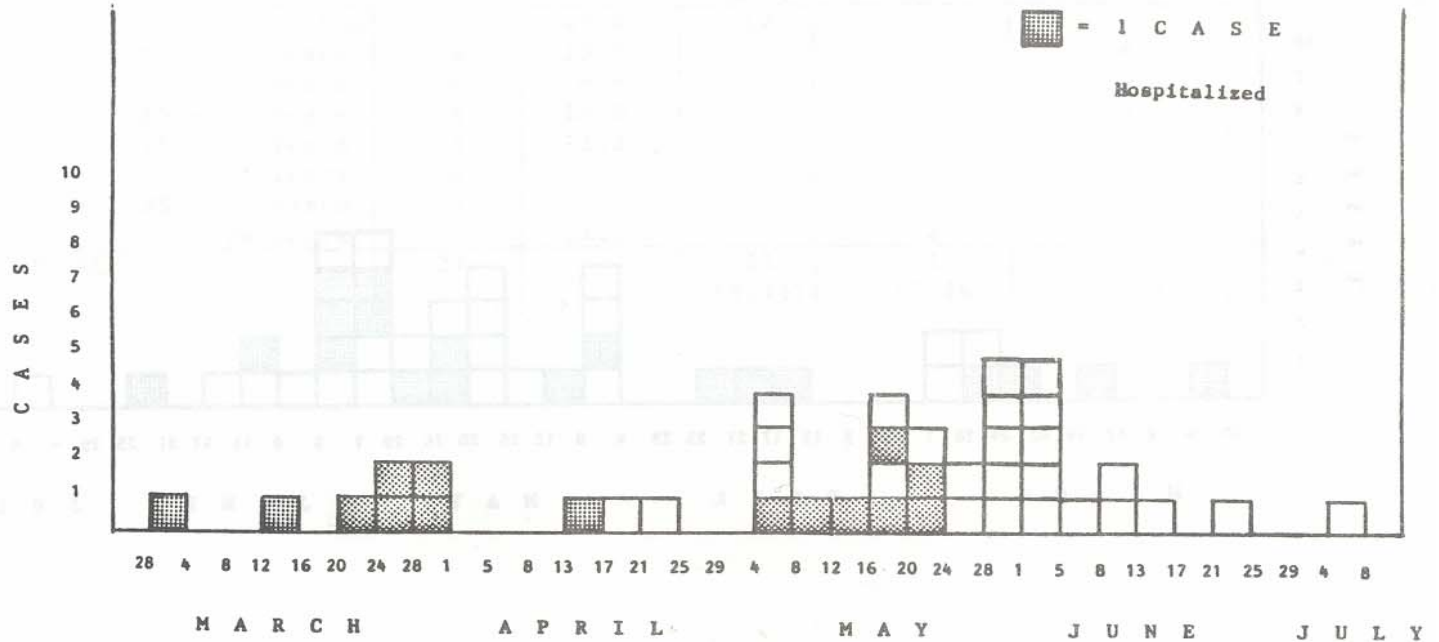
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ATTACHMENT C

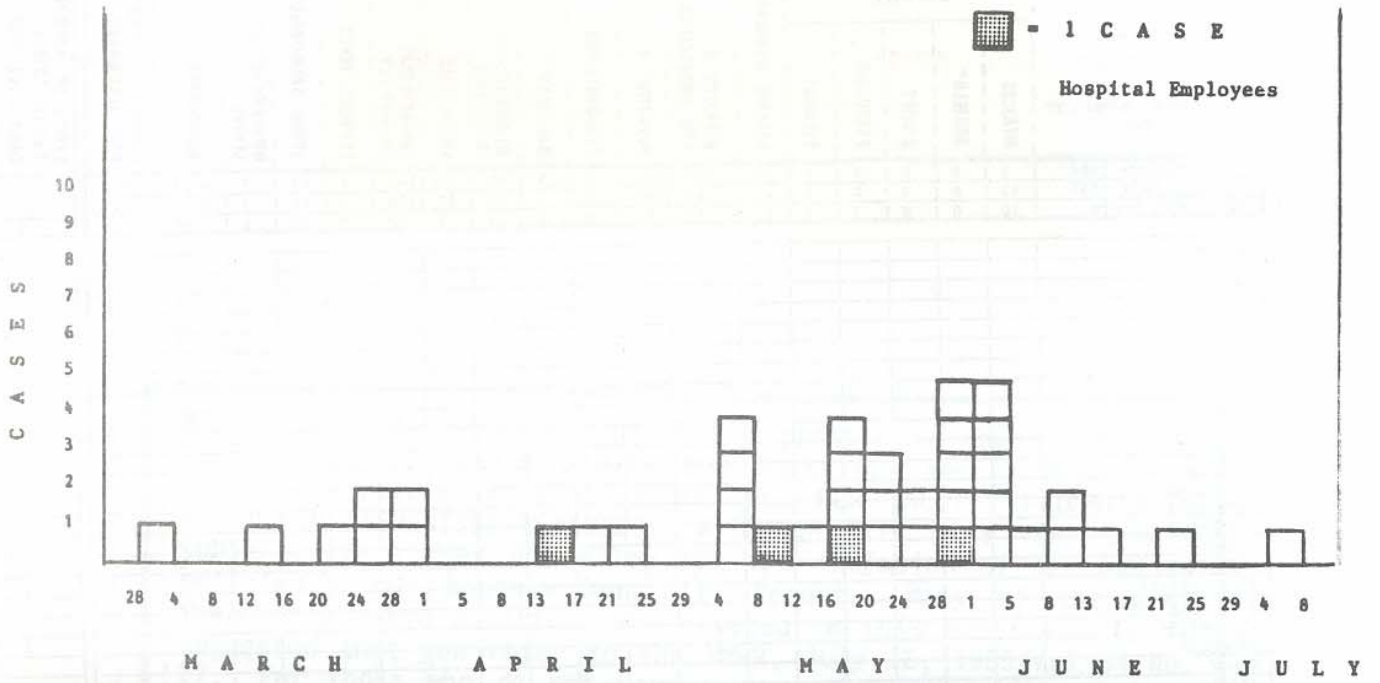
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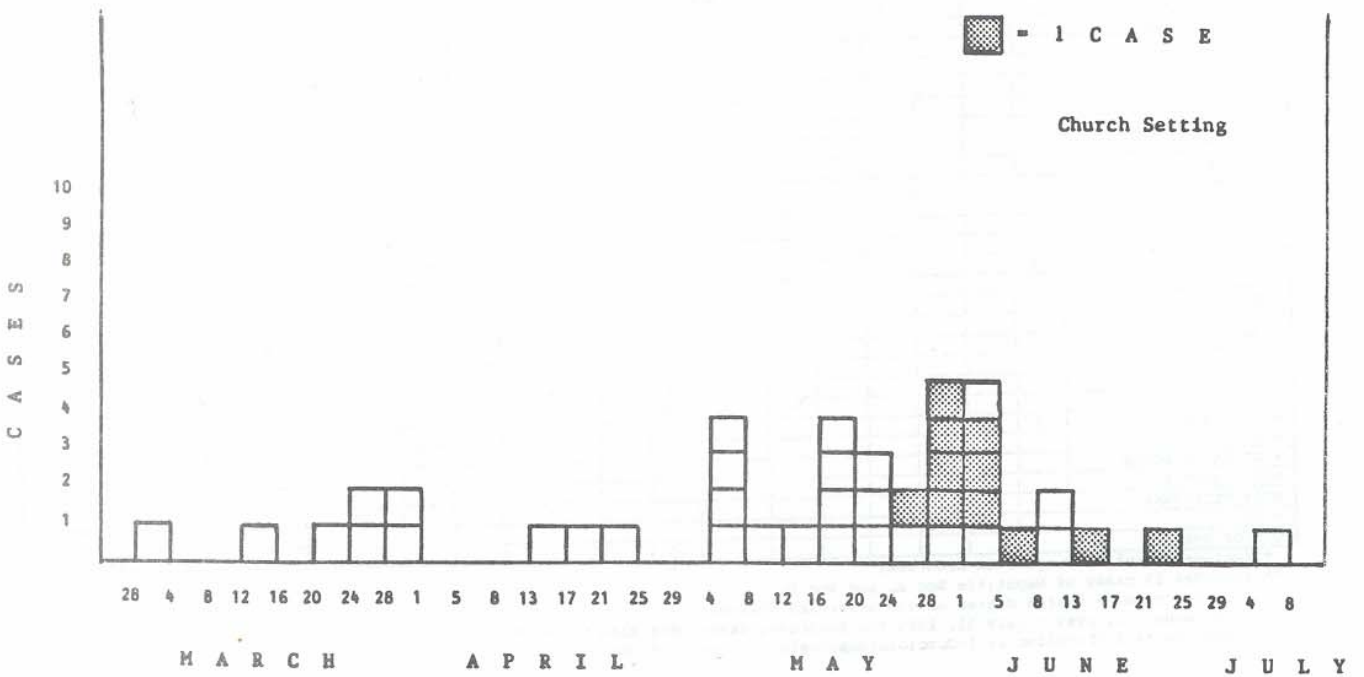
ATTACHMENT D

M E A S L E S
 W A S H I N G T O N - S T. T A M M A N Y P A R I S H E S
 I 9 8 5



ATTACHMENT E

M E A S L E S
 W A S H I N G T O N - S T. T A M M A N Y P A R I S H E S
 I 9 8 5



SELECTED REPORTABLE DISEASES (By Place of Residence)

STATE AND PARISH TOTALS	VACCINE PREVENTABLE DISEASES														OTHER SALMONELLOSIS	UNDERNUTRITION SEVERE	GONORRHEA	SYPHILIS, PRIMARY AND SECONDARY	BABIES IN ANIMALS (PARISH TOTALS CUMULATIVE, 1985)	
	MEASLES	RUBELLA*	MUMPS	PERTUSSIS	TETANUS	ASEPTIC MENINGITIS	HEPATITIS A AND UNSPECIFIED**	HEPATITIS B	LEGIONELLOSIS	MALARIA***	MININGOCOCCAL INFECTIONS	SHIGELLOSIS	TUBERCULOSIS, PULMONARY	TYPHOID FEVER						
TOTAL TO DATE 1984	0	0	0	4	1	23	202	201	1	5	49	31	165	1	84	7	14784	702	28	
TOTAL TO DATE 1985	42	0	2	8	0	41	97	120	2	1	24	20	170	0	98	3	12623	617	12	
TOTAL THIS MONTH	10	0	0	3	0	13	13	19	0	1	3	1	12	0	32	0	1398	64	2	
ACADIA																				
ALLEN																		4	1	
ASCENSION						2												14		
ASSUMPTION											1							9	1	
AVOUELLES																		10		
BEAUREGARD																		7		3
BIENVILLE							1											1		
BOSSIER																		4		
CADDO																		21		
CALCASIEU							2	4					1					181	1	
CALDWELL																3		54	5	
CAMERON												1								
CATAHOULA																			2	
CLAIBORNE															1					
CONCORDIA																		1		
DESOTO																		3		
EAST BATON ROUGE				1		2	4	3				1	2		8			1		1
EAST CARROLL																		93	9	2
EAST FELICIANA																		12		
EVANGELINE																		4		
FRANKLIN																				1
GRANT																		16		
IBERIA									1									4	1	
IBERVILLE															2			17		
JACKSON																		4	2	
JEFFERSON																		5		
JEFFERSON DAVIS				1											1			66	6	
LAFAYETTE																				
LAFOURCHE										1								64		
LASALLE															1			23		
LINCOLN																				
LIVINGSTON						1												7		
MADISON																				
MOREHOUSE																				
NATCHITOCHE						1												45		
ORLEANS						1												7		
OUACHITA								2				1	4		5			413	26	
PLAQUEMINES				1					2				2					97	2	1
POINTE COUPEE																				
RAPIDES															2			3		
RED RIVER									1									49	1	4
RICHLAND																				
SABINE																		3		
ST. BERNARD																		1	1	
ST. CHARLES									1									2	1	
ST. HELENA															1			9		
ST. JAMES																			1	
ST. JOHN																			3	
ST. LANDRY						1		1										2		
ST. MARTIN									1									20	2	
ST. MARY		2																3		
ST. TAMMANY						1							1					2		
TANGIPAHOA						2		2							2			7		
TENSAS													1					2	1	
TERREBONNE																				
UNION						1	1								4			34	1	
VERMILION																		7		
VERNON								1										4		
WASHINGTON		8					1	2										43		
WEBSTER															2					
WEST BATON ROUGE													1					4		
WEST CARROLL																				
WEST FELICIANA																		3		
WINN																		1		
OUT OF STATE																		4	3	

* Includes Rubella, Congenital Syndrome.

** Includes 13 cases of Hepatitis Non A, and Non B.

*** Acquired outside United States unless otherwise stated.

From January 1, 1985 - July 31, 1985 the following cases were also reported:
2-Amebiasis; 1-Brucellosis; 1-Coccidioidomycosis; 2-Reye Syndrome.

BULLETIN

The Centers for Disease Control has printed in their July 12, 1985, issue of the Morbidity and Mortality Weekly Report an extensive article on DTP: GUIDELINES FOR VACCINE PROPHYLAXIS AND OTHER PREVENTIVE MEASURES. Although this is a very timely subject, space does not allow for the inclusion of the entire article in our monthly Morbidity Report. Many of the most frequently asked questions are covered in this article. It is suggested that you refer to the MMWR, July 12, 1985/Vol. 34/No. 27. For those who do not have a copy and would like to have one, please call the Epidemiology Section at 504-568-5005 or Linc 621-5005.

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Office of Preventive and Public Health Services
P.O. Box 60630, New Orleans, LA 70160

This public document was published at a total cost of \$990. 5200 copies of this public document were published in this first printing at a cost of \$166. This document was published by the Office of Preventive and Public Health Services, New Orleans, Louisiana to inform physicians, hospitals, and the public of current Louisiana morbidity status under authority of R.S. 40:36. This material was printed in accordance with the standards for printing by state agencies established pursuant to R.S. 43:31.