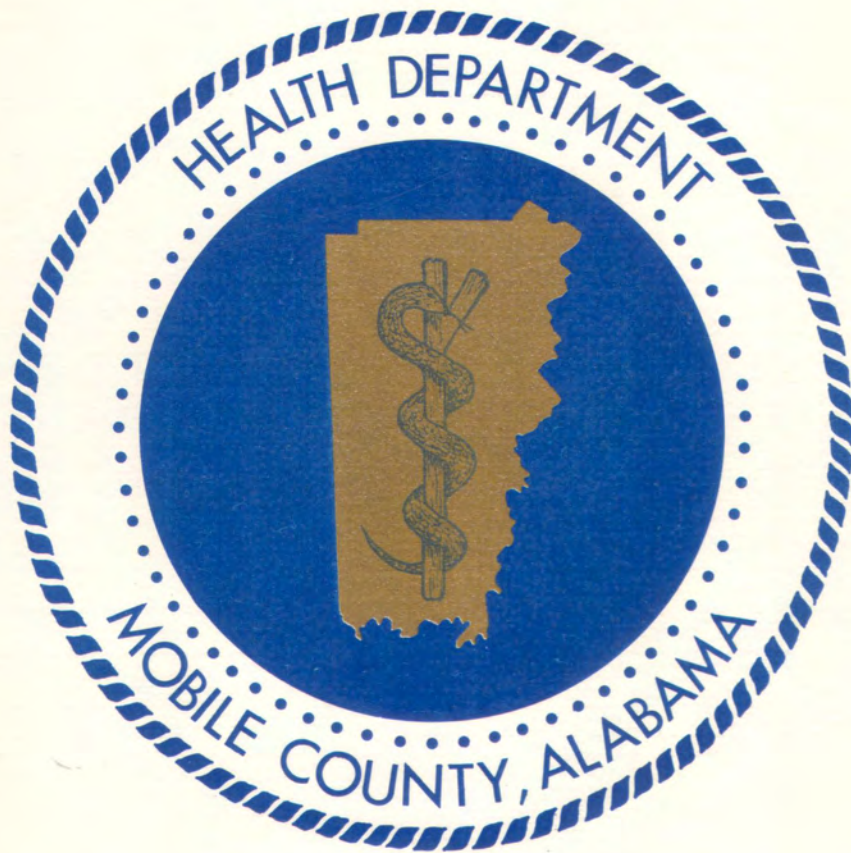


**Mobile County
Health Department**



1977

ANNUAL REPORT

ANNUAL REPORT
1977

MOBILE COUNTY HEALTH DEPARTMENT
248 Cox Street
P.O.Box 2867
Mobile, Al. 36601



Mobile County Health Department

P.O. BOX 2867

MOBILE, ALABAMA 36601

(205) 690-8158

Henry C. Mostellar, Jr., M.D.

John M. McGehee, M.D., Chairman

Daniel F. Sullivan, M.D.

David M. Mullins, M.D.

Commissioner Bay Haas

Sidney J. Gray, Jr., M.D.

Alfred R. Stumpe, M.D., M.P.H.
Health Officer

L. Gerald Lightsey, M.P.H.
Chief Administrator

1977, as past years, reflects the efforts of your health department to render more and improved services to all in our community. We dedicate ourselves to this ongoing process of enhancing the quality of life in Mobile County to the benefit of our citizens. This can be accomplished only with your support. On behalf of those who have labored long and hard to achieve these goals, we are proud to present this report.

Alfred R. Stumpe, M.D., M.P.H.
Health Officer

John M. McGehee, M.D.
Chairman, 1977

MOBILE COUNTY BOARD OF HEALTH

John M. McGehee, M.D. Chairman	December 1978
Henry C. Mostellar, Jr., M.D.	December 1979
Daniel F. Sullivan, M.D.	December 1980
David M. Mullins, M.D.	December 1981
Sidney J. Gray, Jr., M.D.	December 1982
Honorable Bay Haas	Mobile County Commission

LIAISON MEMBERS

Joseph W. Gunter, Jr., D.M.D.	David de Gruy, R.Ph.
Glenn M. Yelverton, D.D.S.	John Finley, R.Ph.
Allison D. Reed, D.V.M.	

STAFF

Alfred R. Stumpe, M.D., M.P.H.	Health Officer
L. Gerald Lightsey, M.P.H.	Assistant Health Officer
Brasher V. Miller, M.P.H.	Bureau of Administration
James E. Fibbe, P.E., M.S.C.E.	Bureau of Environmental Health
John E. Cutts, D.V.M., M.P.H.	Bureau of Community Health
John R. Williamson, M.P.H.	Bureau of Preventable Diseases
Derel G. Till, M.P.H.	Bureau of Maternal and Child Health
Joel W. Goldsby, III, M.S., D.M.D.	Bureau of Dental Health

Board Of Health



John M. McGehee, M.D.
Chairman



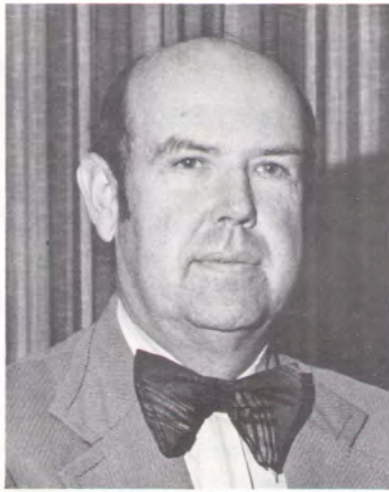
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David M. Mullins, M.D.



Sidney J. Gray, Jr., M.D.



Commissioner Bay Haas

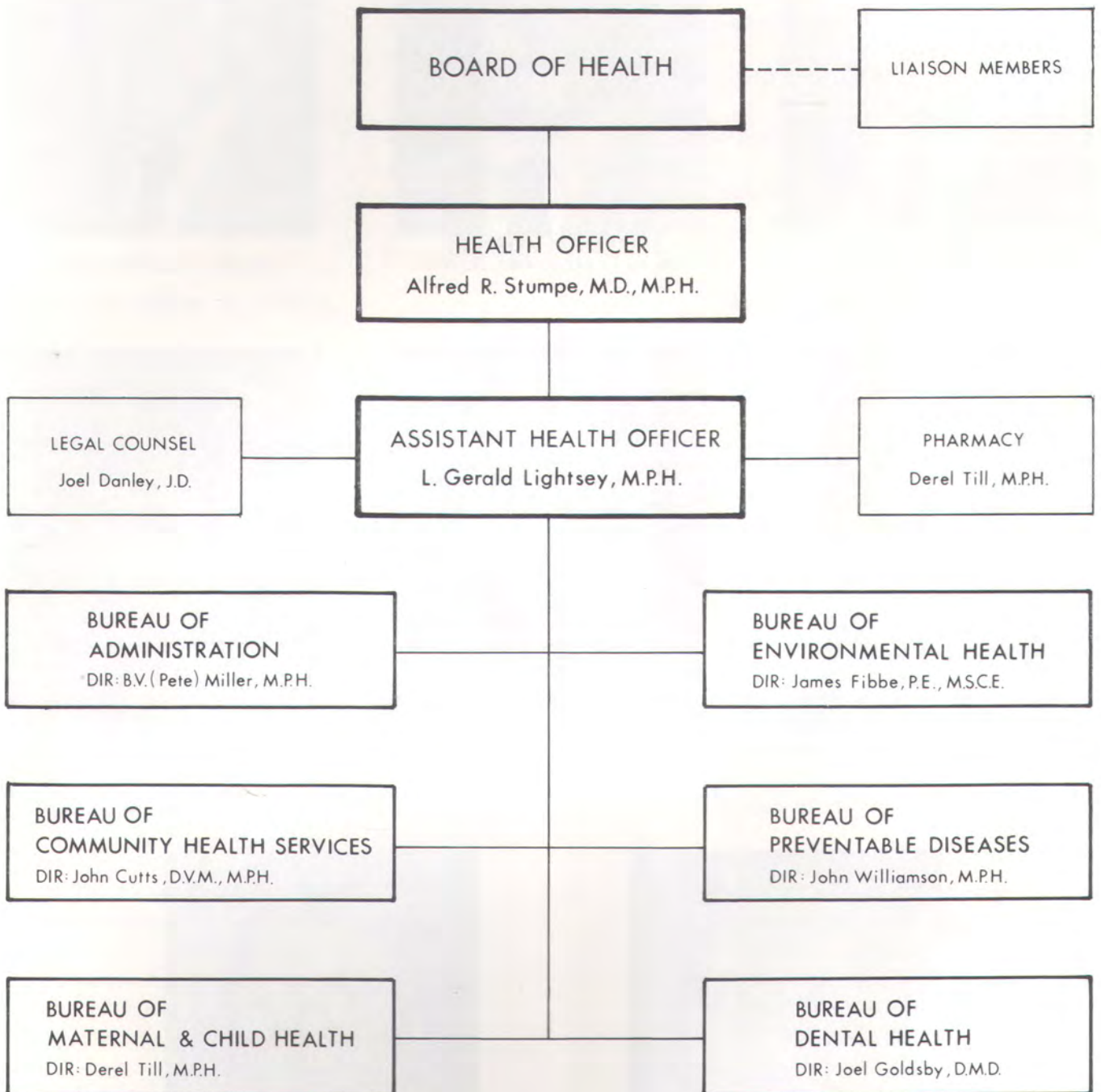


Alfred R. Stumpe, M.D., M.P.H.
Health Officer



L. Gerald Lightsey, M.P.H.
Assistant Health Officer

Mobile County Health Department Organization



1977
HIGHLIGHTS

1. Initial renovation (floors 1 & 2) of the Keeler Complex was completed.
2. Relocation of clinical services to the Keeler Complex was accomplished.

Dental Health

Maternal and Child Health

Family Planning

Medicaid Screening

Communicable Diseases (Tuberculosis, Venereal Disease, Immunizations)

Foodhandlers

Vital Statistics

The remaining offices of the Bureaus of Administration, Community Health Services, Environmental Health, Preventable Diseases (Nursing) continued to operate from the Newburn Health Center.

3. Mosquito Control Program was implemented as a result of an affirmative vote of the citizens of this County for assessment of Ad Valorem tax to finance Vector Control activities.
4. Ceremonies marked the retirement of Dr. George W. Newburn, Jr., Health Officer for the past ten (10) years. As a tribute to his many contributions, the facility located at 248 Cox Street was dedicated to him. His portrait hangs in the foyer of this facility now known as the "George W. Newburn, Jr. Health Center".
5. After years of service with the U.S. Air Force and service with the Alabama Department of Public Health, Dr. Alfred R. Stumpe assumed the duties of Health Officer for Mobile County.

MOBILE COUNTY HEALTH DEPARTMENT

SOURCE AND APPLICATION OF FUNDS - LOCAL OPERATIONS
FISCAL YEAR 1976-77
ENDING SEPTEMBER 30, 1977

SOURCE OF FUNDS

APPROPRIATIONS:

LOCAL GOVERNMENTS	
COUNTY OF MOBILE	\$322,245
CITY OF MOBILE	486,804
OTHER MUNICIPALITIES	67,192
STATE OF ALABAMA	203,768
OTHER APPROPRIATIONS	<u>20,481</u>

TOTAL APPROPRIATIONS \$1,100,490

OTHER FUNDS RECEIVED:

FEDERAL PROJECTS	\$1,053,382
STATE PROJECTS	27,424
LOCAL PROJECTS	<u>72,330</u>

TOTAL OTHER FUNDS RECEIVED 1,153,136

OIL & GAS SEVERANCE TAXES 139,386

SALES OF SERVICES & SUPPLIES 75,756

LOCAL FEES, PERMITS, MISCELLANEOUS 236,054

MEDICAID/MEDICARE 372,276

SCHOOL HEALTH 29,699

TRANSFERS FROM OTHER FUNDS 3,499

REFUNDS AND INTEREST 9,377

REVENUE FROM PRIOR YEARS 30,105

TOTAL REVENUE FOR YEAR \$3,149,778

APPLICATION OF FUNDS:

PERSONNEL COST, INCLUDING FRINGE	\$2,487,033
BENEFITS - - CONTRACTUAL SERVICES	
(INCLUDING CLINICIAN FEES)	180,783
LOCAL MILEAGE	64,028
EQUIPMENT	21,760
OUT OF COUNTY TRAVEL	9,551
SUPPLIES & OTHER	<u>356,357</u>

TOTAL APPLICATION OF FUNDS 3,119,512

REVENUE EXCEEDS EXPENDITURES FOR FISCAL YEAR 1976-77 30,266

Bureau Of Administration



B.V. (Pete) Miller, M.P.H.
Director

BUREAU OF ADMINISTRATION

The Bureau of Administration consists of the following divisions: Health Education and Public Relations, Support Services, Personnel and Training, Building Maintenance and Data Processing.

DIVISION OF HEALTH EDUCATION AND PUBLIC RELATIONS

The division is responsible for all health education programs for the Health Department. This includes research, development and implementation, as well as publicity, public information and resource referral for all bureaus and divisions. A primary function continues to be the production and hosting of the "Your Health" show, a weekly public affairs presentation of the Mobile County Health Department aired over WKRK television (local CBS affiliate). The "Your Health" show continues to be a leader in community health affairs, combining the education and information efforts of the Health Department with those of the many allied health agencies and institutions in the tri-state area. This program has maintained number (1) one rating status in its time period, being viewed in over 17,000 homes each week.

Another pertinent function is the dissemination of news material to local press and broadcast media. During 1977, 30 various news releases appeared in print with 3 major news conferences scheduled. The division also arranged appearances on 6 regular radio talk shows.

The graphic art section of the Division of Health Education and Public Relations carries on a program of in-house art and graphic work as requested by all bureaus and divisions. Some of the more notable projects were: design lay-out and final drafting of health education pamphlets and literature; slide and photograph work; and maintenance of all audio-visual equipment.

DIVISION OF SUPPORT SERVICES

Health Department spending for locally funded programs totalled \$2,108.031 in FY 1976-77, against local revenues received in the amount of \$2,108.192. This represents an approximate ten percent increase in both expenditures and revenues over the previous fiscal year, when expenditures and revenues were \$1,998.872 and \$1,923.059 respectively. A statement on the source and application of funds is presented on page 8.

DIVISION OF PERSONNEL AND TRAINING

The 1976-77 fiscal year ended on September 30, 1977 with a total of 237 employees requiring an annual payroll of \$2,193,947. During the calendar year 46 persons terminated for various reasons, resulting in an annual turnover rate of 22.2% which is comparable to other health care facilities. The annual turnover rate for calendar year 1976 was 23.4%.

DIVISION OF DATA PROCESSING

The Division of Data Processing is responsible for all Data Processing functions at the Health Department. These functions cover data recording, data entry, computing, programming, and systems analysis. The division provides service to all bureaus as needed to fulfill the health mission.

The equipment used to accomplish the data processing functions are as follows: IBM 3780 Terminal, two 129 data recorders, one 029 key punch, one 082 sorter, and one Rixon data modem. The 3780 terminal is located in the Newburn Health Center. The Central computer is an IBM 370-145, and is located on the main campus of the University of South Alabama. All data transmission and receiving originates and concludes at the terminal site in the Newburn Health Center.

DIVISION OF VITAL STATISTICS

During February 1977 the Division of Vital Statistics moved into new quarters gaining some much needed space to better serve the public. A total of 19,117 individuals were issued certified copies of birth and/or death records for an increase of 2,024 over 1976. The division recorded 7,605 births, 3,295 deaths, and 87 fetal deaths during the year.

SUMMARY OF VITAL EVENTS
RESIDENTS OF
MOBILE COUNTY; ALABAMA; UNITED STATES
1976 - 1977

Vital Event	Mobile County				Alabama		United States	
	1977		1976		1976		1976	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Births	6,795	21.3	6,341	19.9	57,895	16.3	3,165,000	14.7
Deaths	2,837	8.9	2,930	9.2	34,220	9.6	1,912,000	9.2
Fetal Deaths	70	10.3	62	9.8	723	12.5	N.A.	N.A.
Infant Deaths	106	15.6	121	19.1	1,156	200	47,800	15.1
Neonatal Deaths	67	9.9	88	13.9	795	13.8	33,900	10.7
Maternal Deaths	0	0.0	2	3.2	12	2.1	460	1.5

Rates: Births and deaths per 1,000 population
Fetal, infant, and neonatal deaths per 1,000 live births
Maternal deaths per 10,000 population

LEADING CAUSES OF DEATH
RESIDENTS OF
MOBILE COUNTY; ALABAMA; UNITED STATES
1976 - 1977

Cause of Death	Mobile County				Alabama		United States	
	1977		1976		1976		1976	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Heart Diseases	1,062	332.5	1,013	317.4	11,158	313.9	726,700	455.4
Malignant Neoplasms	567	177.5	594	186.1	6,046	170.1	374,780	174.6
Cerebrovascular Diseases	159	49.8	320	100.3	4,291	120.7	189,100	88.1
Diseases of Arteries	120	37.6	48	15.0	837	23.5	55,550	25.9
Homicide	83	26.0	72	22.6	550	15.5	18,970	8.8
Diabetes Mellitus	75	23.5	46	14.4	653	18.4	35,090	16.3
Accidents	71	22.2	189	59.2	2,305	64.8	100,430	46.8
Influenza and Pneumonia	69	21.6	69	21.6	820	23.1	62,980	26.1
Certain Causes in Early Infancy	66	20.7	62	19.4	549	15.4	24,870	11.6
Bronchitis, Emphysema, and Asthma	46	14.4	44	13.8	394	11.1	23,840	11.1
All Other Causes	519	—	473	—	6,617	—	299,690	—
TOTAL	2,837	888.2	2,930	917.9	34,220	962.6	1,912,000	890.8

Rate per 100,000 population

Bureau Of Environmental Health



James Fibbe, P.E., M.S.C.E.
Director

BUREAU OF ENVIRONMENTAL HEALTH

As Mobile County continues to urbanize, population density increases along with the need for better protection of the environment. The Health Department attempts to answer these new and increasing demands through the actions of this Bureau.

DIVISION OF AIR POLLUTION CONTROL

The short range goal of this division is to assure an environment in which air quality attains the criteria set out in the national ambient air quality standards. In areas of the county currently attaining these standards, the goal then shifts to a long range effort to maintain air quality such that the national ambient air quality standards will not be exceeded at some future date. Substantial progress toward reaching this goal has been made through the engineering, enforcement, and air monitoring activities of the division.

Activities of the division in 1977 included:

Inspections of industrial air pollution sources conducted	90
Source emission tests conducted under Health Department observation	47
Complaints investigated	223
Open burning permit requests processed	350
Resource construction permits reviewed	14
Continuous monitoring sites operational	4
High volume particulate sites operated on sixth day schedule	13
Sulfur dioxide bubbler sites randomly operated	10

In addition to the routine workload activities, the following significant events relative to air pollution control occurred in Mobile County during the year.

Reduction of sulfur dioxide emissions in excess of 5,000 tons per year resulting from completion of modifications to a sulfuric acid plant.

Installation of a high efficiency wet scrubber on an existing wood waste boiler, and installation of emission controls on total reduced sulfur compounds at a paper mill.

Completion of a dust abatement project on a grain elevator resulting in compliance with an abatement order issued by the Health Department.

Issuance of abatement orders to three major industrial sources of air pollution.

Issuance of permits for operation of six major process production units.

Acceptance by the Health Department for enforcement of PREVENTION OF SIGNIFICANT DETERIORATION REGULATIONS.

Implementation of new sources performance standards for stationary sources.

Implementation of National Emissions Standards for hazardous air pollutants.

Adoption of regulations for continuous in-stack monitors on existing fossil fuel-fired generators and sulfuric acid plants.

Conclusion of a study designed to determine contributing sources to non-attainment of National Ambient Air Quality Standards. Figure 1 represents the areas in Mobile County not meeting standards for air pollutants. The figure shows areas of non-attainment for total suspended particulates. The entire county was designated for non-attainment for photochemical oxidants.

Declaration of all Mobile County as a non-attainment area for photochemical oxidants.

WATER SUPPLY AND WASTE DISPOSAL

This division is concerned with private water supply and waste disposal systems. It is responsible for insuring that the water supply is safe, that plumbing facilities are adequate and that sewage waste is being properly disposed of without creating health hazards. Activities of the division for the year were:

Plumbing permits issued		1,677
Plumbing inspections conducted	5,681	
Septic tank permits issued		2,092
Septic tank inspections conducted		2,269
Educational and informational visits		3,834
Septic tank and well complaints investigated		738

Other significant actions within this division during the year were:

Continuation of the moratorium on septic tank installations on Dauphin Island.

Approval of 8 holding tanks on Dauphin Island as temporary sewage disposal systems.

Efforts to increase local activity in the implementation of the Federal Safe Drinking Water Act Program.

Total Suspended Particulates
Non-Attainment Areas

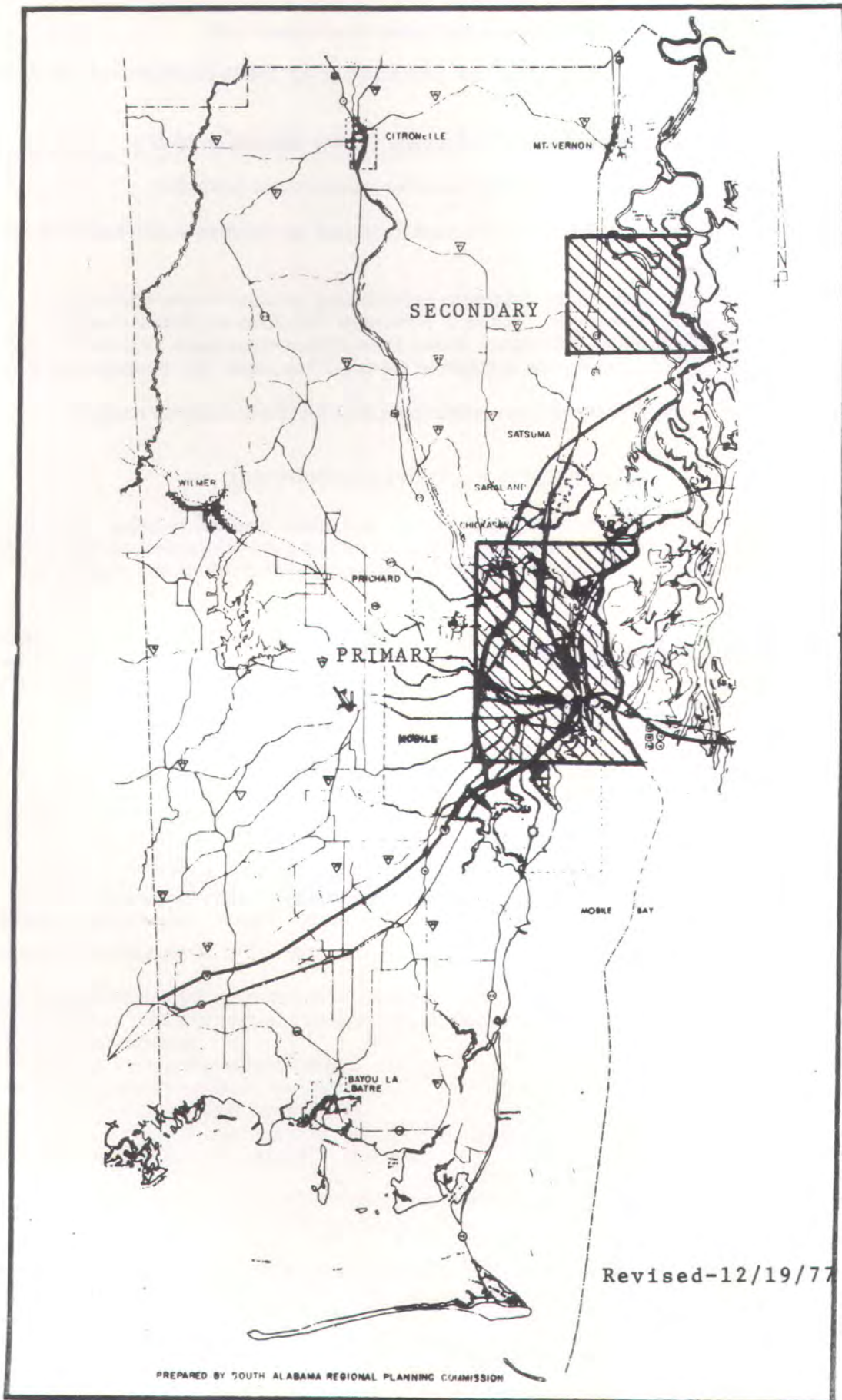


FIGURE I

DIVISION OF LAND RESOURCE DEVELOPMENT

This division is responsible for the review of plans for:

- Proposed subdivision of land
- Commercial developments
- Industrial facilities
- Residential construction
- System designs for sewage disposal for commercial and industrial developments

Services rendered by this division in 1977:

Recommended preliminary actions for plans for 85 subdivisions, consisting of 2,232.6 acres for a total of 3,078 lots. Average subdivision size was 26.26 acres with the average lot size 0.725 acres (approximately 3/4 acres. 36 subdivisions would use private wells and 49 were served by public water.

Reviewed 618 Individual Water Supply and Sewage Disposal Reports for residences and small businesses.

Reviewed 78 special design plans for sewage disposal systems for commercial and industrial development.

Made 1,175 field visits for the study and evaluation of individual lots relative to sewage disposal and private water use.

Conducted 374 field visits for the purpose of evaluating subdivisions and making recommendations to the Alabama Department of Public Health for decisions on sewage disposal and water supply.

A special study was initiated for the purpose of gathering information on the following

Actual water usage for trailer courts, apartments, motels and other businesses for the purpose of better design of septic tank sewage disposal systems.

Percolation test rates and soil classifications on most marginal soils in order to better evaluate proposed land development.

DIVISION OF GENERAL SANITATION

Workload for 1977 was as follows:

Inspections of schools, jails, motels, hotels, swimming pools, recreational areas, camps	12,472
Investigations of public health nuisance complaints	2,196
Court cases initiated or participated in	15

The division in conjunction with the Mobile InnKeepers Association sponsored a seminar for all public and semi-public swimming pool operators in an effort to better inform them of their role in the protection of the public's health. Nationally recognized experts presented technical information on the various phases of swimming pool operation.

Bureau Of Community Health Services



John Cutts, D.V.M., M.P.H.
Director

BUREAU OF COMMUNITY HEALTH SERVICES

The Bureau of Community Health Services includes the following divisions: Veterinary Public Health, Food Inspection, Health Hazard Control and Epidemiology.

DIVISION OF VETERINARY PUBLIC HEALTH

The division inspected 87 milk plants and 196 producer dairies as well as 173 retail ice milk manufacturers and frozen dessert plants. Fifty-four water samples, 1,041 milk samples, 1,790 soft-serve and frozen dessert samples and 83 cottage cheese samples were submitted to the state laboratory. Also, 173 milk truck inspections and 33 milk surveys were conducted along with 8 milk distribution stations being inspected.

One hundred fifty-four specimens were submitted for examination for rabies to the State laboratory and all were negative. Animals examined included: dog, cat, fox, bat, mouse, squirrel, rat, guinea pig, hamster, raccoon, rabbit and opossum.

DIVISION OF FOOD INSPECTION

This division inspected all food establishments in Mobile County which included restaurants, school lunchrooms, meat markets and grocery stores. During 1977, personnel from the division made 15,186 inspections - 8,844 for restaurants, 1,124 for school lunchrooms, and 2,028 for meat markets. The food inspectors condemned and destroyed 60,150 pounds of contaminated or adulterated food products. The inspectors taught 110 foodhandler classes to 7,096 new foodhandlers.

MOSQUITO CONTROL PROGRAM

The Mobile County Mosquito Control Project began a comprehensive program adulticiding, larviciding and surveillance. The present program was upgraded by expanding facilities, acquiring new equipment and hiring and training additional personnel. During the year the spray machines mounted on trucks (10 spraying trucks and 2 four-wheel drive vehicles) were in operation 3,676 hours, and required 6,160 man hours. The mosquito program treated 15,900 acres of land and used 5,165 gallons of insecticide.

No cases of primary encephalitis were recorded during the year.

DIVISION OF EPIDEMIOLOGY

There were 16,127 communicable diseases reported in 1977. The division made 884 epidemiological investigations and 1,203 follow-up nursing visits of reported diseases. The following gives the incidence of diseases reported for 1975-1977:

<u>DISEASES</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>
Diphtheria	0	0	0
Encephalitis			
Primary	6	21	0
Secondary	5	26	4
Hepatitis			
A	70	67	89
B	57	58	29
Other	26	28	35
Malaria	0	0	0
Measles			
Rubella	13	4	65
Rubeola	1	1	0
Meningitis			
Menigococcal	9	14	30
Tubercular	0	0	0
Other	66	75	57
Mumps	367	331	227
Pneumonia	1,092	913	617
Poliomyelitis	0	0	0
Scarlet Fever and Streptococcal Infections	2,407	2,798	1,116
Salmonella, Shigella and E. Coli	29	32	54
Tetanus	1	0	0
Typhoid	1	0	0
Tuberculosis	83	83	38
Whooping Cough	3	4	1

DIVISION OF HEALTH HAZARD CONTROL

RODENT CONTROL PROGRAM

The purpose of the Rodent Control Program is to control the rat population within specified target areas (primarily Prichard and Inner-City Mobile as set out in the Department of Health, Education and Welfare grant) by the use of rodenticides (poisons) and the elimination of environmental problems (food sources and harborage).

To determine the extent of the rat population and other contributing environmental problems, the rodent control program conducts a comprehensive survey of the target areas twice a year. The results of the comprehensive survey are used as a management tool to determine what problems must be solved to bring more blocks under control.

The Mobile County Rodent Control Program is conducted within a seven hundred (700) block area within Prichard and Mobile encompassing a total population of 59,415. These seven hundred (700) blocks are sub-divided in three target areas: Target Area I - (Eight Mile, most of Prichard), Target Area II - (Mobile - Davis Ave. area to St. Stephen Road - and a small portion of Prichard) and Target Area III - (Mobile - Government St. to Broad St. area, Houston St. to Michigan Ave. area). Most of the activities during 1977 were confined to Target Areas II & III.

The environmental phase of the program was primarily concerned with baiting (primarily with anti-coagulant poisons), follow-up inspections, surveying, code enforcement, correcting environmental problems and rat bite investigations.

The health education phase of the program was geared toward motivating and educating the target-area population to follow sound sanitary practices that would help eliminate food supplies and harborage for rats; presentations to community groups, schools, churches, and other interested groups; participation in clean-up campaigns, survey work and referrals to other agencies.

Rat complaints received from outside the target area were investigated on a first-come, first-served basis.

CHILDHOOD LEAD POISONING PROGRAM

The Childhood Lead Poisoning Program is a federally funded program to screen, detect, treat and investigate the presence of abnormal levels of the heavy metal, lead, in young children (between the ages of one and six).

High levels of lead in the blood of young children can inhibit proper development of the brain and other organs and can lead to neurological damage; even death can result from continued lead insult.

The primary source of lead poisoning in children is paint chips (ingestion) from peeling and chipping wood painted with lead-based paints which were used primarily in houses built prior to the 1950's.⁽¹⁾ Since 1968, the lead levels in paint have been reduced by Federal Regulation to below .05%. However, if the lead paint in existing housing is not properly scraped from the surfaces, the lead will reach through to the surface and continue to affect children. The environmental phase of the program inspects suspect housing and determines what action should be taken to protect the child from lead poisoning.

The symptoms of lead poisoning in children, (nausea, vomiting, listlessness, constipation) are deceptive because they mimic other problems (viral infections, low hemoglobin levels, etc.) and can only be properly detected by specific blood tests (Erythrocyte Protoporphyrin or Blood lead). Finger prick and capillary tubes are used to obtain micro-blood samples for these tests.

(1) Other sources of lead: improperly glazed pottery, air pollution, gasoline fumes, matches, pencils, bright colors, lead pipes, etc.

Blood levels of lead below 30ug/100ml are considered by the Center for Disease Control (CDC) as normal levels for children. Blood levels of 30ug/100ml - 39ug/100ml are considered slightly elevated; blood levels of 40ug/ml -59ug/ml are considered moderately elevated and levels of 60ug/100ml or greater are considered highly elevated. Children with highly elevated lead levels or moderately elevated lead levels but exhibiting possible lead poisoning symptoms will be referred to a physician for a medical evaluation. The physician will be referred to a physician for a medical evaluation. The physician determines if further tests and/or chelation therapy are necessary for these children. All children with an elevated blood lead level will be followed with periodic blood screening tests until a normal blood level is achieved.

Testing is conducted in Prichard and Mobile (as authorized by the Department of Health Education and Welfare grant) - and upon request from other interested persons in Mobile County.

RESULTS OF CHILDHOOD LEAD POISONING SCREENINGS

Blood Lead Levels	1977 No. of Children Identified by screening	Percentage	1974-1977 Total No. of Children Identified by screening	Percentage
30 - 39 mcgms	183	6.45%	1,557	12.63%
40 - 49 mcgms	46	1.61%	229	1.86%
50 - 59 mcgms	4	.14%	60	.48%
60 - 79 mcgms	0	0	24	.19%
80 mcgms or greater		0	1	.008%

Total number of children screened - 1977	2,840	
Total number of children with elevated blood lead levels - 1977	233	8.21%
Total number of children screened 1974-1977	12,302	
Total number of children with elevated blood lead levels - 1974-1977	1,871	15.20%



Walter Minor, M.D.
Medical Director



John Williamson, M.P.H.
Director

Bureau Of Preventable Diseases

BUREAU OF PREVENTABLE DISEASES

In February 1977, all major clinical activities of the Bureau of Preventable Diseases were moved to the Keeler Complex. These included clinics for Tuberculosis Control, Venereal Disease Control, Immunizations, and Medicaid Screening.

DIVISION OF COMMUNICABLE DISEASES

TUBERCULOSIS CONTROL PROGRAM

There were 42,445 clinic visits from January thru December 1977. These visits were for out-patient clinics, x-rays, skin tests and skin test readings.

There were 61 new cases of tuberculosis reported in 1977, twenty (20) less than reported in 1976. The Open Case Register contained 141 cases as of December 31, 1977.

Patients with tuberculosis at home	130
Patients in an institution or hospital primarily for another reason	11

The public school employees skin testing program was conducted during October and November 1977. A total of 4,120 school employees were tested with 189 positive reactors identified. This program yielded a reactor rate of 4.6%.

TUBERCULOSIS CASE RATES (1973-1977)*

YEAR	MOBILE COUNTY	ALABAMA	UNITED STATES
1973	35.5	22.6	14.8
1974	37.6	22.3	14.3
1975	25.4	22.1	15.7
1976	25.4	23.2	15.2
1977	19.1	19.7	**

* Cases per 100,000 population

** Not available as of this date

VENEREAL DISEASE CONTROL PROGRAM

The total number of visits to the Venereal Disease Control Clinic for 1977 was 6,260. Twelve patients were diagnosed as having primary and secondary syphilis and 3,713 were diagnosed as having gonorrhea. A total of 405 individuals were interviewed as possible contacts to patients with syphilis. Screening for syphilis and gonorrhea was also accomplished in the Health Department's Prenatal Clinic and Family Planning Clinic. Referrals from private physicians and the University of South Alabama Medical Center were also examined and treated.

REPORTED GONORRHEA AND PRIMARY AND SECONDARY SYPHILIS (1973-1977)

YEAR	GONORRHEA	PRIMARY AND SECONDARY SYPHILIS
1973	2,492	72
1974	2,566	48
1975	3,503	22
1976	3,788	15
1977	3,713	12

IMMUNIZATION PROGRAM

During 1977, 989 clinics offering immunization services were held, with 17,826 patients receiving a total of 32,493 immunizations. Listed below are the type and number of immunizations administered during the year.

DTP	12,291
Polio (oral)	13,190
TD	1,677
Tetanus Toxoid	1,138
M & R (measles/rubella rubella combination)	1,086
M M & R (measles/mumps/ rubella combination)	2,416
Mumps	136
Rubella	71
Smallpox	419
Cholera	69

The survey of immunization status of entering kindergarten and first grade students for the 1977-78 school year indicated 96.3% of the 13,034 entering students were adequately immunized at the start of the school year.

A survey of the immunization status of two-year olds throughout the state indicated that only 62.7% of two-year olds in Mobile County were totally protected in 1977.

Mobile County's participation in the National Immunization Initiative began in December of 1977. This program is an attempt to raise immunization levels for all children 18 years old and younger to 90% for each of the vaccine preventable diseases.

Before any vaccines can be administered, a systematic assessment of the immunization status of each child in Mobile County's schools will be made. Mobile County's middle and high schools were surveyed and the forms are being checked to determine immunization needs. Immunization clinics for each of these schools are tentatively scheduled for February of 1978. Elementary schools and private schools will be assessed and immunizations administered in the 1978-79 school year.

DIVISION OF NURSING

The Division of Nursing provides both skilled and supervisory or maintenance nursing care.

A Homemaker authorized under CETA (Comprehensive Employment Training Act) was added to the nursing staff for the purpose of providing homemaker services to patients in need. This individual worked in conjunction with the homemaker program contracted through the Area Agency on Aging. Since this addition in August a total of 280 visits were made.

The following statistical report reflects the home health activities of the division for 1977.

Gamma Globulin given in office		373
Health Care Services Home Visits		9,577
Medicare	2,240	
Medicaid	1,035	
Disease & Disability	6,299	
Health Care Screening		2,764
Homemaker Visits		1,449
Tuberculosis Home Visits		2,114
Maternity Home Visits		1,764
Family Planning Home Visits		163
Child Health Home Visits		2,320
Mental Health Home Visits		13
 Total patient contact in homes		 20,161
 Planned talks and lectures		 48
Attendance at above		1,428
Accident Prevention Sessions taught in the home		285

DIVISION OF DISEASE CONTROL

During 1977 the division conducted 238 clinics for patients with hypertension. Clinic visits totalled 2,412. Clinics were also held for 713 diabetics during the year. The major activity for the division was the Sudden Infant Death Syndrome Program.

SUDDEN INFANT DEATH SYNDROME (SIDS) PROGRAM

Sudden Infant Death Syndrome (SIDS) is the sudden and unexpected death of any infant which is unexpected by history and in which a thorough post mortum examination fails to reveal an adequate cause for death. The SIDS Program at the Mobile County Health Department provides information and counseling to parents and families of Sudden Infant Death Syndrome victims, health education programs for professional and lay groups and autopsies on suspected SIDS infants. The program provides these services for an 8 county area which includes Mobile, Clarke, Conecuh, Baldwin, Escambia, Monroe, Washington and Choctaw.

In 1977 autopsies were done on 27 prospective SIDS victims; 19 were confirmed as SIDS deaths. Since the program began in July 1975, 58 autopsies have been performed and 45 confirmed as SIDS deaths.

In 1977 the program nurse initiated counseling for 29 families in the 8 counties. A total of 68 families have been counseled since the project began.

DIVISION OF MEDICAID SCREENING

The number of Medicaid screening exams in 1977 exceeded all past years. In June, the Medicaid screening clinics were expanded to include a mobile unit.

A breakdown of clinic activity including the mobile unit for 1977 is as follows:

	Number	Percent
Clinic appointments made	18,247	-
Clinic attendance	6,943	38%
Average daily attendance	28	-
Children age 0-5 screened	2,659	38%
Children age 6-11 screened	1,882	27%
Children age 12-20 screened	2,402	35%
Number children referred	5,324	77%
Number referrals	6,658	-
Number referral appointments kept	4,504	68%

As of December 31, 1977, a total of fifteen (15) dentists and thirty-nine (39) physicians in addition to those employed by the Health Department, USA Medical Center, School Board and various other agencies were available for Medicaid screening referrals.

NUMBERS OF REFERRALS AND SOURCE OF CARE

Dentists		
Private		2783
Health Department		1784
Physicians		
Private		869
USAMC		560
School Board		8
Health Department		626
Other		0



Beverly Boyd, M.D., M.P.H.
Medical Director



Derel Till, M.P.H.
Director

Bureau Of Maternal & Child Health

BUREAU OF MATERNAL AND CHILD HEALTH

MATERNITY AND INFANT CARE PROJECT

The Maternity and Infant Care Project is a federally funded project. Its primary objective is to reduce peri-natal mortality through comprehensive periodic pre-natal care to both mother and infant. Services provided include: outpatient maternity clinics, outpatient infant clinics, medical care (drugs, vitamins and laboratory work), inpatient hospital care for mothers and infants, infant care from birth to one year, dental care and family planning services.

The maternity patients have their initial and follow-up appointments at the Keeler Complex. Maternity patients in a High-Risk category are referred to the University of South Alabama Medical Center (USAMC) where they are followed by the Department of Obstetrics and Gynecology.

A health department nurse is assigned to the USAMC where she makes daily visits to hospitalized maternity patients, post-partum patients and newborns. She also consults with those being followed in the Maternity and Pediatric High-Risk Clinics. Patients with special problems are referred to the Health Department's Division of Nursing for home visiting and follow-up supervision.

Well-Baby Clinics are held at the M.I.C. Clinic in Prichard. A routine physical examination, P.K.U., hemoglobin, urinalysis are done at regularly scheduled visits and immunizations are administered. At one-year of age infants are given a tuberculin skin test and referred to the Immunization Clinic for completion of immunizations. High-Risk Clinics for infants were held at USAMC.

Total Clinics	493
Maternity Intake	72
Maternity	190
Post-Partum	50
Well-Baby	142

Total Clinic Visits	17,566
Maternity Intake	1,693
Maternity	9,190
Post-Partum	1,219
Well-Baby	5,115
Nurse Office Visits	821
Total Live Births	1,372
0-2000 grams	56
2000-2500 grams	88
Over 2500 grams	1,229
Total Stillborn	12
Maternal Deaths	1
New Maternity Patients Admitted	1,599

M. I. C. - LABORATORY

The M.I.C. Laboratory continued to function as a clinical aid to the physician in providing test results for the diagnosis of illness and disease.

The routine blood tests performed at the first visit of all maternity patients are: hemoglobin, hematocrit, blood grouping, RH factor, VDRL, H.I. titer and hemoglobin electrophoresis. A urine culture and Pap test are ordered on each new patient.

Other examinations conducted as required include: total bilirubin, sickle cell, glucose tolerance, fasting and two-hour postprandial blood glucose tests, 2-minute and 2-hour pregnancy tests urinalysis, urine cultures, CBC, cervo-vaginal preps and on occasions, gonorrheal cultures.

Laboratory services provided for Family Planning patients are hemoglobins, urinalysis for sugar and protein, VDRLs and hemoglobin electrophoresis. Hemoglobins, urinalysis, sickle cell tests and electrophoresis are provided for infants seen at the Well-Baby Clinic.

Workload for 1977 was as follows:

Number of Lab Patient Visits	11,450
Number of Lab Tests Conducted	16,459

M I. C. PHARMACY

The primary duties of the Pharmacy are to purchase, dispense, control and maintain the drug and medical supplies required by patients seen at the Health Department clinics.

The number of prescriptions filled in 1977 was 3,647.

FAMILY PLANNING

The Family Planning Project functions to insure that all women of child-bearing age have the freedom of choice in the number and spacing of their children. This is accomplished by providing safe and effective methods of contraception and educational information to interested couples and individuals.

The funding for the project continues to come from federal sources (Title X), along with local matching funds from the Mobile County Health Department. Third-party reimbursement, Medicaid (Title XIX) and income supplement (Title XX) eligibles, and new Title X funding (earmarked for expanded urban services) provided additional funding this year. The total budget for Family Planning this year broken down by funding source and percentages is as follows:

TITLE X (ORIGINAL)	62.0%
TITLE XIX (MEDICAID)	16.0%
MCHD (LOCAL MATCHING)	8.0%
TITLE XX (INCOME SUPPLEMENT)	7.5%
TITLE X (URBAN EXPANSION)	6.5%
 TOTAL	 100%

The project budget for this year represented a twenty-four percent (24%) increase over the previous year. The increased funding enabled Family Planning to: Increase services; implement two evening clinics in Prichard; and provide 30 hours for refill services per week.

Patient caseload:

New patients	2,206
Patients served	7,738
Patient visits	24,237

The nursing staff provided contraceptive instruction and related nursing services such as counseling, history taking and referrals with follow-up. Follow-up of delinquent appointments and patient notification of abnormal test results were as follows:

Notification of Delinquents:

Postcards	5,666
Telephone calls	3,012
Home visits	91

Notification of Abnormal/Positive Tests:

Pap smears	389
Gonorrhea cultures	317
VDRL	47
Tuberculin Skin Test	10
Sickle Cell Trait	33

In addition to routine procedures in clinics, emphasis has been given to preventing complications of hypertension, detecting breast tumors or abnormalities by self-examination techniques, and special counseling on sickle cell disease.

Health Education personnel working in Family Planning coordinated activities of the District VIII Family Planning Advisory Council. The Council held four (4) general meetings during the year with meetings of standing and special committees, and meetings with concerned agencies operating within the framework of the Council. Council projects for the year included: a survey of patient attitudes concerning overall patient services, and a resolution to the Advertising Federation of Greater Mobile supporting community awareness of Family Planning. The Council also contributed ideas toward planning a workshop and symposium. The Council has continued its advisory support in the planning and operation of the Family Planning Project.

DIVISION OF NUTRITION

Nutrition counseling is provided to maternity patients during the initial visit and at follow-up clinics. A total of 8,071 dietary instructions (7,537 prenatal and 534 post-partum) were given to the patients by the staff. About one-half of these dietary instructions were for specific problems such as diabetes, obesity, underweight, anemia, etc. Throughout all counseling, emphasis was placed on the inclusion of adequate amounts of high quality protein in the diet during pregnancy.

Infant feeding instructions appropriate for the infant's age were given by a nutritionist in the Well-Baby Clinic. A total of 3,359 infant feeding instructions were given. Mothers were instructed in small groups and given feeding guides. Two infant feeding guides were revised during 1977.

The Special Supplemental Food Program for Women, Infants and Children (WIC), a federally funded program, was continued in Mobile County in 1977. The participants are maternity patients, their infants and children who are certified for participation in the program. The program, funded through an amendment to the Child Nutrition Act of 1966, began in February, 1974 and is administered by the U.S. Department of Agriculture and the State Department of Public Health. The total food cost for the twelve month period was \$432,862. Participation in the WIC Program for 1977 (averaged monthly) was: women, 647; infants, 795; children, 631; total, 2,073. Pregnant women and children (ages 1-5 years) are provided milk, cheese, eggs, cereal and juice. Participants receive a voucher each month to obtain food items from approved stores in Mobile County.

DIVISION OF SOCIAL SERVICES

Social Services conducts personal interviews with all new patients admitted to the M.I.C. Project and all new adolescent admissions (those 18 years of age and younger) to the Family Planning Project. The division also provided services at the High-Risk Clinics at the University of South Alabama Medical Center and the Well-Baby Clinics in Prichard, and continued to interview all adolescents after delivery.

Many patients with severe social problems required additional counseling. These included those planning adoptive placements, patients addicted to drugs and mentally retarded. Services were also provided to those patients who had been physically abused, raped, or became pregnant as a result of an incestuous relationship and to those whose infants were in the Intensive Care Nursery at the University of South Alabama Medical Center.

In addition to intake interviews, the division had 3,720 personal contacts with patients concerning a multiplicity of social problems, and 3,485 telephone or other encounters.

Staff members also provided services to the community through presentations at public and private schools, church and civic groups on social factors related to maternal and child health.

STATISTICAL REPORT - 1977

Intake Adults	1,136
Intake Adolescents	520
Total Intake	1,656
White.	439
Black.	1,210
Oriental.	4
Other.	3
Drug Misuse.	40
Retarded Patients	23
Patients referred to DPS	709

Pertinent Adolescent Factors

First Pregnancy	459
Repeat Pregnancy	61
Total	520
Adolescents Married	76
Adolescents Single.	432
Adolescents Separated.	11
Adolescents Divorced	1
Black.	403
White.	116
Other.	1
Drug Misuse.	14
Adoptive Plans	8
Adolescents still in school	243
Planning to return to school	407
Adolescent alledged father under age 18.	124

Bureau Of Dental Health



Joel Goldsby, D.M.D.
Director

BUREAU OF DENTAL HEALTH

The Bureau of Dental Health offers to Mobile County a program for improving community dental health using established public health measures. These include methods designed to prevent dental diseases, dental health education activities, the provision of dental treatment and studies designed to enhance the prevention of dental disease. Prevention and health education activities increased. Of significance, also, was the establishment of new clinical facilities which greatly improved the provision of our comprehensive oral health care program.

DIVISION OF DENTAL HEALTH EDUCATION

Division personnel presented workshops and oral health instruction in schools, agencies and in all clinics. This program of teaching proper oral hygiene techniques reached 345 teachers and 3,533 children. Two (2) television programs were also presented.

Over 30,000 dental health educational materials were distributed. Included in these were eleven (11) new materials developed in 1977.

Mobile County dental professionals assisted the division in providing dental health education to school children. The voluntary services of the First District Dental Society, First District Dental Auxiliary, and First District Dental Assistants Association were greatly appreciated.

The division also provided assistance in determining dental health needs for the elderly. Three (3) nursing homes were assisted in organizing a program of information to staff and residents on dental care needs and the importance of good oral hygiene techniques for the elderly.

DIVISION OF PREVENTIVE DENTISTRY

The division continued endeavors to provide topical fluorides in areas where community fluoridation does not exist. One such project was the initiation of a fluoride mouthrinse program in three county schools: Belsaw School in Mt. Vernon, Dixon School in Irvington, and Alaba School in Bayou La Batre. The division worked in conjunction with the Mobile County School Board, Health Services Division.

Following preliminary activities of water testing, obtaining parental consent, and teacher and staff workshops, the 200 participating children began the program of supervised weekly rinsing with a 0.2 per cent sodium fluoride solution. The prepackaged sodium fluoride powder was mixed with water each week and dispensed by school health nurses. All rinsings were supervised by nurses and teachers.

Dental personnel provided initial dental examination, radiographs, and recorded gingival scores and a plaque index on each child. These procedures were repeated after 6 months and will also be repeated at the end of an additional year. At the end of the 2-year period, dental disease prevalence will be compared with beginning base-line data to determine results from the weekly fluoride mouth rinsing.

The dental mobile unit was used by this project for examinations, radiographs, and other indices of dental conditions. Brushing and flossing techniques were also taught to 550 groups of students.

DIVISION OF DENTAL SERVICES

During the year all dental clinics made location changes. Programs which had been operating at the Newburn Health Center and Rotary Rehabilitation Center moved to new facilities in the Keeler Complex. Three (3) new operatories were equipped to provide four-handed dentistry, and three (3) clinical dental hygiene operatories were installed. New equipment and ample space were of significance in providing better quality dental services. Programs operating at the University of South Alabama Medical Center were relocated in the Newburn Health Center. This move also provided for space increase and better equipment to enhance quality dental care and delivery of dental services.

Dental treatment projects, which include the Maternal and Infant Care Project, Alabama Medicaid Program, Children's Dental Clinic, Special Children's Dental Project and the Adult Emergency Program, accounted for 13,566 dental visits which met the complete dental needs of 1,014 children and partial dental needs of 3,400 children and adults. All completed children were placed on a re-call registry for necessary follow-up and maintenance treatment. Dental services were provided by this division and 32 practicing dentists were utilized on a rotational basis.

Clinical Dental Services

(1977)

	Total County	MIC	United Fund Childrens Dental Clinic	Medicaid	Title V Special Children
New Patients-First Visit	3533	635	942	1683	273
Continuing Patients	9771	1155	1460	6561	595
Rescheduled Patients	262	172	21	58	11
Examinations	4938	385	2089	1706	758
X-Rays	7397	1331	1195	4370	501
Prophylaxes	2244	324	211	1570	139
Restorations	9790	1568	2854	4510	858
Extractions	2669	339	2168	24	138
Completed Patients	1014	75	740	88	111

DIVISION OF SPECIAL PROJECTS AND RESEARCH

The division assisted the First District Dental Society and First District Dental Auxiliary in a dental health emphasis program during Children's Dental Health Week. During the week, 65 schools and 14 kindergartens were visited to provide dental screening examinations and dental health education materials to some 8,000 children and 325 teachers. Other activities included a smile contest for first and third grade students, 3 television presentations and the use of five radio public service announcements on dental health.

The Director attended a national conference on Dental Health Education techniques sponsored by the American Dental Association. The purpose was to present and share ideas and problems and to discuss the various methods used by different state and local programs to achieve established goals.