

ANNUAL REPORT

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OAKLAND COUNTY DEPARTMENT OF HEALTH

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1955-56

PUBLIC HEALTH

Public Health is the science and the art of preventing disease, prolonging life, and promoting physical and mental health and efficiency through organized community efforts.

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Professor Emeritus of
Public Health
Yale University

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OAKLAND COUNTY
PLANNING COMMISSION
1 Lafayette Street
PONTIAC, MICHIGAN

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Oakland County Planning Commission

FOREWORD

This report, showing the various activities of the Health Department during the years 1955-56, is respectfully submitted to the Oakland County Board of Supervisors with grateful appreciation for their combined cooperation in supporting our many expanding activities.

Such support has been manifested by increases in our staff to meet the needs of a rapidly growing community and also the expansion of the various services rendered; by salary adjustments to employees, both professional and clerical, which have helped to stabilize the personnel of the Department; and by appropriations in January, 1955, and later that year by increases in such appropriations, to provide us with a modern, beautiful workshop in the form of a new Health Center, located in the County Service Center on North Telegraph Road, which was formally opened to the public on September 23, 1956.

This new Health Center, one of the most modern buildings of its kind, provides all the facilities which medical science requires for the care of the public health. It is not only designed to meet current needs, but is planned to accommodate future expansions as required.

In these new, adaptable quarters your Health Department can more efficiently carry on its numerous functions in an ever increasing generalized program of public health for the entire population of Oakland County.

ESTIMATED POPULATION - 1955-56

OAKLAND COUNTY

| <u>AREA</u> | <u>1955</u> | <u>1956</u> |
|-----------------------------|----------------|----------------|
| Berkley | 23,000 | 23,700 |
| Birmingham | 22,700 | 24,000 |
| Clawson | 12,000 | 12,400 |
| Ferndale | 33,000 | 34,000 |
| Hazel Park | 23,500 | 24,500 |
| Holly | 2,800 | 2,850 |
| Huntington Woods | 8,000 | 8,100 |
| Northville (Part) | 270 | 300 |
| Oak Park | 28,000 | 30,000 |
| Pleasant Ridge | 4,600 | 4,600 |
| Pontiac City | 79,500 | 82,500 |
| Rochester | 5,250 | 5,275 |
| Royal Oak | 65,000 | 69,000 |
| <u>Oakland County Rural</u> | <u>252,380</u> | <u>258,775</u> |
| <u>Total County</u> | <u>560,000</u> | <u>580,000</u> |

SCHOOL ENROLLMENT

OAKLAND COUNTY, MICHIGAN

1955 - 1956

| <u>GRADES</u> | <u>Number of Pupils</u> | | |
|--|-------------------------|-----------------------|----------------|
| | <u>Pontiac City</u> | <u>Oakland County</u> | <u>Total</u> |
| Kindergarten | 2,020 | 12,632 | 14,652 |
| First | 2,007 | 13,281 | 15,288 |
| Second | 1,945 | 12,803 | 14,748 |
| Third | 2,019 | 12,720 | 14,739 |
| Fourth | 1,566 | 10,488 | 12,054 |
| Fifth | 1,358 | 9,003 | 10,361 |
| Sixth | 1,212 | 8,938 | 10,150 |
| Seventh | 1,625 | 9,840 | 11,465 |
| Eighth | 1,617 | 9,092 | 10,709 |
| Ninth | 1,363 | 7,427 | 8,790 |
| Tenth | 1,200 | 5,953 | 7,153 |
| Eleventh | 953 | 4,923 | 5,876 |
| Twelfth | 769 | 4,228 | 4,997 |
| Special Students | 4 | 311 | 315 |
| Total - Kindergarten thru 12th Grades | 19,658 | 121,639 | 141,297 |
| Number of Teachers - 1955-1956 | | | 4,937** |

1955 - Pre-school census (Oakland County complete) 77,713

1956 - 1957

| <u>GRADES</u> | <u>Number of Pupils</u> | | |
|--|-------------------------|-----------------------|----------------|
| | <u>Pontiac City</u> | <u>Oakland County</u> | <u>Total</u> |
| Kindergarten | 2,048 | 14,027 | 16,075 |
| First | 2,076 | 14,020 | 16,096 |
| Second | 1,982 | 13,272 | 15,254 |
| Third | 1,897 | 13,054 | 14,951 |
| Fourth | 1,955 | 13,022 | 14,977 |
| Fifth | 1,500 | 10,737 | 12,237 |
| Sixth | 1,323 | 9,194 | 10,517 |
| Seventh | 1,210 | 9,242 | 10,452 |
| Eighth | 1,591 | 9,860 | 11,451 |
| Ninth | 1,559 | 8,831 | 10,390 |
| Tenth | 1,264 | 6,788 | 8,052 |
| Eleventh | 961 | 6,039 | 7,000 |
| Twelfth | 859 | 4,707 | 5,566 |
| Special Students | 130 | 460 | 590 |
| Total - Kindergarten thru 12th Grades | 20,355 | 133,253 | 153,608 |
| Number of Teachers - 1956-1957 | | | 5,333* |

1956 Pre-school census (Oakland County complete) 82,257

*Including 139 special teachers employed by the Oakland County Board of Education

**Including 90 special teachers employed by the Oakland County Board of Education

PUBLIC HEALTH NURSING DIVISION

Are you interested in your health? Really? Or do you take it for granted, as most people do, until you "haven't been feeling well lately"?

Are you an expectant mother or father beset by apprehensions about the birth process, how to bathe and care for the baby, or do you have a four-year-old who has reverted to infant behavior in order to compete with his new baby sister?

Are you interested in the fact that public health nurses find cases of tuberculosis through making home visits for other purposes; that they visit to teach the value of repeat x-rays, of proper rest and diet, of tuberculin skin testing for the children? You should be, for these visits protect you in your community.

The Public Health Nurse Serves Families in Their Homes

The health needs, recognized and unrecognized, of many of the citizens of Oakland County are multiple. Probably no one has a better opportunity to be aware of these than the field staff of the Health Department, the public health nurses and sanitarians. Because we are still far short of sufficient numbers of personnel to serve the present population and because new programs are added while others must be maintained, the nursing staff is well aware that there are many unmet needs in their communities. Caseloads are heavy. Most families present multiple needs. The nurse who makes a home call because Susan failed a vision test and is falling behind in her studies may find that Susan has six brothers and sisters, one of whom has symptoms of possible rheumatic fever; another obviously needs the help of Child Guidance; mother is pregnant and is too tired to really want this baby; grandma has come from down south to visit to help out and "she just got over tuberculosis"; daddy "drinks quite heavy"; none of the children have been immunized; and the whole family could greatly benefit from an improved diet. Unusual? Not at all. Such cases are commonplace. In each instance, the public health nurse works to improve the health of each member of the family. This may involve conferences with and referral to private physicians; referral to medical clinics; health department immunization clinics; well child conferences; child guidance; tuberculosis clinic; and perhaps a service club for funds for glasses and contact with teachers and special education personnel in the school district. The nurse may carry a case of this type as part of her caseload from one to five years or longer.

In 1955 there were 14,953 such visits made. In 1956 the number of visits made was 18,720.

In addition to her work with individuals and families, the public health nurse carries on an active and persistent program of health teaching through school and community groups. Her premise is simple. Health is vitally important to every man, woman and child and prevention is better than cure. How does she accomplish this health teaching?

The Public Health Nurse Assists in the Control of Communicable Disease

In one school district adjacent to Detroit there was considerable concern because of an outbreak of diphtheria in the city. Due to the low socio-economic group involved and the low level of immunity for diphtheria in the school population it was deemed advisable to hold an immunization clinic in the school. Was there real long range value, the nurse asked herself, in immunizing these children without also teaching the children, the teachers and the parents why they were being immunized? She didn't think so.

She talked with the principal; with his permission she met with teacher groups to teach them; together they developed appropriate lesson plans for different grade levels; films were shown; teachers taught, combining drawing and immunization, arithmetic and immunization, spelling and reading and immunization; PTA meetings were held and parents were taught. On the day of the clinic over 1,700 of the 2,000 children in the school district were immunized for diphtheria and tetanus; smallpox vaccinations were done on those who needed them.

The Public Health Nurse Provides Service to Schools

Early case-finding and follow-up for correction of defects is one of the major activities of public health nurses. She interprets to teachers, individually and in groups, the kinds of behavior that a child may exhibit during early stages of a chronic illness or condition when actual symptoms are not present. She follows vision and hearing cases to see that children receive proper medical attention and that the optimum correction is obtained. Patients whose chest x-rays indicate need for follow-up are referred to nursing, if phone calls and letters from the clinic are unsuccessful. These cases may be patients with tuberculosis, cancer or a cardiac condition. All orthopedic children are seen routinely until age twenty-one.

In an effort to further assist school personnel in effective health teaching, the health department has built up and maintains appropriate health literature and supplementary teaching aids. For example, prior to a hearing screening program, the public health nurse in the school district requests a meeting with those teachers whose pupils will be involved in the testing. The program is explained; the use of the plastic ear model in teaching is demonstrated; films, pamphlet material and drawings of the ear for use at different grade levels are presented and discussed. Teachers select the materials they desire; in upper grade levels they sometimes ask that the nurse or the hearing technician sit in as a resource person and the classroom preparation for the hearing screening program begins. Thus it becomes, not just a "testing program", but an educational process. Through this process, carried on in similar programs, children not only learn about ears and eyes; they also learn to understand and accept, without ridicule and teasing, the child who wears a hearing aid or one who wears glasses.

The "kits", as the nurses call them, are portable, lightweight file boxes into which are placed sample materials of available health education leaflets and pamphlets. Such materials are segregated into appropriate classifications, such as vision, hearing, elementary, junior high and high school, nutrition, infant and pre-school, etc. This makes it possible for nurses to provide teachers with samples of a wide variety of

appropriate, scientifically accurate health material from which the teachers select that which best suits their needs.

When a brief explanation of usage was published in the Michigan School Health Association Bulletin, letters of inquiry requesting detailed explanation of the kits came from school personnel and health departments all over the country.

The Public Health Nurse in Community Activities

Health teaching is carried on throughout the day and often extends into evening meetings or classes. Public health nurses are frequently asked to talk to Service Clubs, and PTA's. In two school districts, a "Growing Up" program has developed. It has involved a sequence of evening meetings attended by parents, teachers and junior high school pupils. Teachers, visiting teachers, physicians, parents and the public health nurse in the district have comprised a panel to present material and lead discussion. Attendance has varied from 150 to 250, depending on the population of the particular school. In 1956, the nursing staff showed 178 health films, attendance 19,233; and gave 607 talks, attendance 21,952.

The Public Health Nurse Teaches Expectant Parents

The demand for Expectant Parents Classes has increased almost beyond the capacity of the Nursing Division to fulfill. In 1955, ten series of classes were offered (there are eight classes in one series); attendance was 1,542. Classes were held in the evening so that fathers, as well as expectant mothers might benefit. It is recommended that registration be 20 or less. In some instances, class registration rose to 48. In 1956, eleven series of classes were offered, with an attendance of 1,383.

The Health Center Belongs to its Citizens - Present and Future

Educational tours of the Health Department have become a routine part of the service promoted by the nursing staff. The two or three hour program is planned according to the information obtained by the nurse when the request is made. A class of school children engaged in a nutrition project learn how nutrition is related to dental care; from the clinic nurse they find that proper nutrition, as well as immunization, is vital to the maintenance of the body defenses against disease; the physician discusses the importance of nutrition in such diseases as tuberculosis; thus, each division representative explains his activities as they relate to the subject taught in the classroom.

Teacher groups find the information presented and the activities carried on helpful to them in their classrooms. An increasing number find that the library contains a wealth of material available to them for study purposes.

Public Health Nursing Assists with Professional Education

As programs develop, qualified staff recruited, inservice education stimulated

and strengthened, universities and the State Health Department look with approval upon a local health department that can meet the standards for accreditation as a field teaching center.

The first group of four nursing students came to us from the University of Michigan School of Nursing in April, 1956. Their affiliation lasted 8 weeks. In September of that same year, we accepted a 16-week student from the University of Michigan School of Public Health.

The success of a teaching program such as this is dependent upon careful planning and execution. Field teachers assigned to students are chosen with care. Intensive supervision and guidance of field teachers is essential to provide maximum learning opportunities for the student.

Public health nursing is involved in almost every program carried on by a health department. It has been said that "America's two great contributions to public health were the Panama Canal and the public health nurse."¹

¹ John J. Hanlon, Principles of Public Health Administration, C. V. Mosby Co., 1955, p. 467.

SUMMARY OF IMMUNIZATIONS IN HEALTH DEPARTMENT CLINICS -- 1955-56

(Excluding Pontiac City)

| | <u>1955</u> | <u>1956</u> |
|--|--------------|--------------|
| Smallpox vaccinations | 3,584 | 4,221 |
| re-vaccinations | 1,531 | 3,250 |
| Diphtheria immunization under 1 year | 610 | 1,017 |
| from 1 to 4 years | 771 | 1,155 |
| from 5 years and over | 2,912 | 1,828 |
| booster doses | 2,107 | 6,681 |
| Whooping Cough immunization under 1 year | 145 | 1,020 |
| from 1 year and over | 201 | 565 |
| booster doses | 382 | 830 |
| Tetanus immunization | 4,212 | 3,996 |
| booster doses | <u>1,103</u> | <u>6,800</u> |
| Total services provided | 17,558 | 31,363 |

HEARING CONSERVATION REPORT

Hearing is one of man's primary means of relating himself to his environment. The function that we call hearing involves much more than understanding sound; it is very much a part of the behavior that characterizes each child. Unlike most other disabilities, a handicapping amount of hearing loss does not show and thus may go unnoticed. Perhaps the most serious effect of this hearing loss is that it produces a communicative disorder, an interference with the back and forthness between minds that is the essence of being human.

A hearing conservation program that will satisfactorily deal with the problems of hearing loss cases must have as its aims:

1. Prevention of diseases and conditions that cause hearing defects in children.
2. Case finding that will discover existing defects as early as possible.
3. Medical examination and treatment.
4. Complete educational and medical follow-up - to help those with permanent hearing losses.

To meet these aims and to keep pace with a growing population it was necessary to both expand and refine this program.

During 1956, cooperative planning by school administrators, the State Health Department and the local health department paved the way for screening 28,065 children. Among this group 991 hearing losses were found, and 256 of these losses required medical examinations. The quality of the program was enhanced by placing more emphasis on health education. The purpose was to make the program a meaningful experience for the child, family, school and community. Teaching aids such as films, health guides, and a model of the ear were used extensively by teachers and nurses in the schools. The hope is not only to find and treat existing defects, but also to prevent future hearing problems. Teamwork was stressed at otology clinics so that each child received a diagnosis, medical recommendations and consultation service. Nine of these clinics were held to examine 187 children, and nurses intensified their follow-up in an effort to see that each child with a medically significant hearing loss received medical attention.

Admittedly, good beginnings have been made to satisfy the aims of hearing conservation; but more can be done, especially in the area of health education. The community must be made aware of the importance of conserving the hearing of their children. The accomplishment of this task will require the active support of community leaders. Thus, hearing conservation is seen as a community-wide program which depends on the cooperative efforts of many people striving towards a common goal - good listening.

VISION CONSERVATION REPORT

It has been estimated that 85% of all learning comes through the eyes. Imagine how difficult it would be to live even one day without vision. Truly, good vision is essential to the future health and happiness of every child. It is with this understanding that the State and local health departments have developed the present vision program. The program is geared to the total problem of the child's vision. Its aims are community planning, adequate visual environment, good screening methods and complete follow-up. This consists of not only getting the child to the doctor, but also of returning, and often explaining the report to the teacher to enrich her understanding of the child's visual problem.

During 1956, eight trained technicians were utilized to screen 36,431 children with the Massachusetts Vision Test. Children who failed the test twice were referred to a doctor for eye examinations. Nurses increased their efforts to see that each child was seen by an eye specialist. In addition, those cases needing glasses were followed closely to see that the child made the proper emotional adjustment to wearing glasses.

A continuous expansion of the program has been necessary to meet the increasing demands for more vision conservation services. Each new program has been developed with a view to the future so that, health education now plays a prominent role. Teaching youngsters to be safety conscious and to have an appreciation of good eyesight is a vital part of these programs. Always remember - a child's eyes are one of his most priceless possessions. Keeping these thoughts in mind, the local health department is continuously striving to develop better programs in sight conservation.

TOTAL BIRTHS, DEATHS, INFANT DEATHS, NEONATAL DEATHS
MATERNAL DEATHS AND RATES: OAKLAND COUNTY - 1955
(BY PLACE OF RESIDENCE)

| | <u>Births</u> | <u>Rate</u> | <u>Deaths</u> | <u>Rate</u> | <u>Infant Deaths</u> | <u>Rate</u> | <u>Neonatal Deaths</u> | <u>Rate</u> | <u>Maternal Deaths</u> | <u>Rate</u> |
|------------------|---------------|-------------|---------------|-------------|--------------------------|-------------|----------------------------|-------------|----------------------------|-------------|
| Berkley | 606 | 26.3 | 106 | 4.6 | 7 | 11.6 | 4 | 6.6 | - | - |
| Birmingham | 1,054 | 46.4 | 190 | 8.4 | 15 | 14.2 | 10 | 9.5 | 3 | 2.8 |
| Clawson | 407 | 33.5 | 57 | 4.8 | 7 | 17.2 | 6 | 14.7 | - | - |
| Ferndale | 964 | 29.2 | 254 | 7.7 | 21 | 21.8 | 16 | 16.6 | - | - |
| Hazel Park | 931 | 39.6 | 135 | 5.7 | 27 | 29.0 | 23 | 24.7 | - | - |
| Holly | 156 | 55.7 | 36 | 12.9 | 4 | 25.6 | 2 | 12.8 | - | - |
| Huntington Woods | 159 | 19.9 | 38 | 4.8 | 4 | 25.2 | 4 | 25.2 | - | - |
| Northville | 6 | 22.2 | - | - | - | - | - | - | - | - |
| Oak Park | 1,174 | 41.9 | 90 | 3.2 | 24 | 20.4 | 17 | 14.5 | - | - |
| Oakland Rural | 5,758 | 22.8 | 1,467 | 5.8 | 181 | 31.4 | 133 | 23.1 | 4 | 0.7 |
| Pleasant Ridge | 50 | 10.9 | 27 | 5.9 | - | - | - | - | - | - |
| Pontiac | 2,514 | 31.6 | 622 | 7.8 | 71 | 28.2 | 52 | 20.7 | 2 | 0.8 |
| Rochester | 222 | 42.3 | 63 | 12.0 | 3 | 13.5 | 2 | 9.0 | - | - |
| Royal Oak | 2,849 | 43.8 | 392 | 6.0 | 41 | 14.4 | 31 | 10.9 | - | - |
| TOTAL | 16,850 | 30.1 | 3,477 | 6.2 | 405 | 24.0 | 300 | 17.8 | 9 | 0.5 |

TOTAL BIRTHS, DEATHS, INFANT DEATHS, NEONATAL DEATHS
MATERNAL DEATHS AND RATES: OAKLAND COUNTY - 1956
(BY PLACE OF RESIDENCE)

| | <u>Births</u> | <u>Rate</u> | <u>Deaths</u> | <u>Rate</u> | <u>Infant Deaths</u> | <u>Rate</u> | <u>Neonatal Deaths</u> | <u>Rate</u> | <u>Maternal Deaths</u> | <u>Rate</u> |
|------------------|---------------|-------------|---------------|-------------|--------------------------|-------------|----------------------------|-------------|----------------------------|-------------|
| Berkley | 629 | 26.5 | 120 | 5.1 | 15 | 23.8 | 13 | 20.7 | - | - |
| Birmingham | 1,125 | 46.9 | 208 | 8.7 | 20 | 17.8 | 15 | 13.3 | - | - |
| Clawson | 492 | 39.6 | 69 | 5.6 | 13 | 26.4 | 9 | 18.3 | - | - |
| Ferndale | 1,069 | 31.4 | 285 | 8.4 | 28 | 26.2 | 26 | 24.3 | 2 | 1.9 |
| Hazel Park | 1,041 | 42.5 | 134 | 5.5 | 23 | 22.1 | 16 | 15.4 | - | - |
| Holly | 108 | 37.9 | 39 | 13.7 | 2 | 18.5 | 2 | 18.5 | - | - |
| Huntington Woods | 141 | 17.4 | 44 | 5.4 | 1 | 7.1 | 1 | 7.1 | - | - |
| Northville | 4 | 14.8 | 2 | 6.7 | - | - | - | - | - | - |
| Oak Park | 1,255 | 41.8 | 114 | 3.8 | 27 | 21.5 | 23 | 18.3 | - | - |
| Oakland Rural | 6,695 | 25.8 | 1,537 | 5.9 | 171 | 25.5 | 123 | 18.4 | 3 | 0.4 |
| Pleasant Ridge | 43 | 9.3 | 33 | 7.2 | 3 | 69.8 | 3 | 69.8 | - | - |
| Pontiac | 2,785 | 33.8 | 676 | 8.2 | 89 | 32.0 | 67 | 24.1 | 2 | 0.7 |
| Rochester | 282 | 53.5 | 64 | 12.1 | 7 | 24.8 | 7 | 24.8 | 1 | 3.5 |
| Royal Oak | 2,757 | 40.0 | 400 | 5.8 | 49 | 17.8 | 37 | 13.4 | 1 | 0.4 |
| TOTAL | 18,426 | 31.8 | 3,725 | 6.4 | 448 | 24.3 | 342 | 18.6 | 9 | 0.5 |

LEADING CAUSES OF DEATHS

OAKLAND COUNTY - 1955-56

In 1955 and 1956, heart diseases continued to account for more Oakland County deaths than any other cause, followed by cancer, apoplexy, and accidents.

The top 10 causes of deaths in Oakland County during 1955 and 1956 were:

| <u>CAUSE</u> | <u>1955</u> | |
|--|-------------------|----------------|
| | <u>NO. DEATHS</u> | <u>PERCENT</u> |
| 1. Heart diseases (all forms) | 1,161 | 33.4 |
| 2. Cancer (all forms) | 633 | 18.2 |
| 3. Apoplexy | 355 | 10.2 |
| 4. Accidents: | 232 | 6.7 |
| (Motor vehicle - 128) | | |
| (Others - 104) | | |
| 5. Diseases of the circulatory system | 116 | 3.3 |
| 6. Ill-defined diseases of early infancy | 110 | 3.2 |
| 7. Congenital malformations | 87 | 2.5 |
| 8. Pneumonia (all forms) | 85 | 2.5 |
| 9. Diabetes mellitus | 77 | 2.2 |
| 10. Suicide and self-inflicted injury | 46 | 1.3 |
| TOTAL (top 10 causes) | 2,902 | 83.5 |
| ALL other causes | 575 | 16.5 |
| TOTAL DEATHS - 1955 | 3,477 | 100.0 |

| <u>CAUSE</u> | <u>1956</u> | |
|--|-------------------|----------------|
| | <u>NO. DEATHS</u> | <u>PERCENT</u> |
| 1. Heart diseases (all forms) | 1,347 | 36.2 |
| 2. Cancer (all forms) | 628 | 16.8 |
| 3. Apoplexy | 361 | 9.7 |
| 4. Accidents: | 256 | 6.9 |
| (Motor vehicle - 125) | | |
| (Others - 131) | | |
| 5. Diseases of the circulatory system | 110 | 3.0 |
| 6. Congenital malformations | 110 | 3.0 |
| 7. Ill-defined diseases of early infancy | 109 | 2.9 |
| 8. Pneumonia (all forms) | 108 | 2.9 |
| 9. Diabetes mellitus | 75 | 2.0 |
| 10. Suicide and self-inflicted injury | 42 | 1.1 |
| TOTAL (top 10 causes) | 3,146 | 84.5 |
| ALL other causes | 579 | 15.5 |
| TOTAL DEATHS - 1956 | 3,725 | 100.0 |

DEATHS BY INTERMEDIATE LIST OF CAUSES

Oakland County - 1955-56

(Exclusive of stillbirths. Cause of death classified according to Sixth
Revision of International List, 1948, Intermediate List of 150 Causes)

| CAUSE OF DEATH | Int. | Total Number | |
|--|-------------|--------------|------|
| | List No. | 1955 | 1956 |
| <u>ALL CAUSES:</u> | | | |
| <u>TUBERCULOSIS, ALL FORMS: (A1-A5)</u> | | | |
| Tuberculosis of respiratory system | A1 | 19 | 23 |
| Tuberculosis of meninges and central nervous system | A2 | 1 | 1 |
| Tuberculosis of intestines, peritoneum and mesenteric glands | A3 | 1 | |
| Tuberculosis of bones and joints | A4 | | 2 |
| Tuberculosis, all other forms | A5 | | 1 |
| <u>SYPHILIS, ALL FORMS: (A9-A10)</u> | | | |
| General paralysis of insane | A9 | 1 | 1 |
| All other syphilis | A10 | 3 | 4 |
| Septicemia and pyemia | A20 | 2 | 5 |
| Whooping Cough | A22 | | 1 |
| Meningococcal infections | A23 | 5 | 2 |
| Tetanus | A26 | 1 | |
| Acute poliomyelitis | A28 | 2 | 4 |
| Acute infectious encephalitis | A29 | | 2 |
| Measles | A32 | 1 | 3 |
| Infectious Hepatitis | A34 | | 1 |
| All other diseases classified as infective and parasitic | A43 | 6 | 4 |
| <u>MALIGNANT NEOPLASMS, ALL FORMS: (A44-A59)</u> | | | |
| Malignant neoplasm of buccal cavity and pharynx | A44 | 18 | 10 |
| Malignant neoplasm of esophagus | A45 | 4 | 8 |
| Malignant neoplasm of stomach | A46 | 61 | 48 |
| Malignant neoplasm of intestine, except rectum | A47 | 85 | 59 |
| Malignant neoplasm of rectum | A48 | 40 | 32 |
| Malignant neoplasm of larynx | A49 | 2 | 6 |
| Malignant neoplasm of trachea, and of bronchus and lung not specified as secondary | A50 | 56 | 84 |
| Malignant neoplasm of breast | A51 | 61 | 76 |
| Malignant neoplasm of cervix uteri | A52 | 23 | 29 |
| Malignant neoplasm of other and unspecified parts of uterus | A53 | 13 | 9 |

| CAUSE OF DEATH | Int. List No. | Total Number | |
|--|---------------------|--------------|------|
| | | 1955 | 1956 |
| Malignant neoplasm of prostate | A54 | 21 | 37 |
| Malignant neoplasm of skin | A55 | 9 | 11 |
| Malignant neoplasm of bone and connective tissue | A56 | 6 | 8 |
| Malignant neoplasm of all other and unspecified sites | A57 | 170 | 156 |
| Leukemia and aleukemia | A58 | 25 | 35 |
| Lymphosarcoma and other neoplasms of Lymphatic and hematopoietic system | A59 | 39 | 20 |
| Benign neoplasms and neoplasms of unspecified nature | A60 | 13 | 10 |
| Nontoxic goiter | A61 | 1 | |
| Thyrotoxicosis with or without goiter | A62 | 1 | 1 |
| Diabetes mellitus | A63 | 77 | 75 |
| Avitaminosis and other deficiency states | A64 | 1 | |
| Anemias | A65 | 9 | 5 |
| Allergic disorders; all other endocrine, metabolic and blood diseases | A66 | 32 | 28 |
| Psychoses | A67 | 1 | 2 |
| Psychoneuroses and disorder of personality | A68 | 3 | 1 |
| Mental deficiency | A69 | | 1 |
| Vascular lesions affecting central nervous system | A70 | 355 | 361 |
| Nonmeningococcal meningitis | A71 | 2 | 4 |
| Multiple sclerosis | A72 | 8 | 8 |
| Epilepsy | A73 | 7 | 2 |
| Otitis media and mastoiditis | A77 | 4 | 5 |
| All other diseases of the nervous system and sense organs | A78 | 21 | 32 |
| Rheumatic fever | A79 | 2 | 1 |
| HEART DISEASE, ALL FORMS: (A80-A83) | | | |
| Chronic rheumatic heart disease | A80 | 34 | 50 |
| Arteriosclerotic and degenerative heart disease | A81 | 972 | 1129 |
| Other diseases of heart | A82 | 53 | 55 |
| Hypertension with heart disease | A83 | 102 | 113 |
| Hypertension without mention of heart | A84 | 37 | 30 |
| Disease of arteries | A85 | 72 | 70 |
| Other diseases of circulatory system | A86 | 7 | 10 |

| CAUSE OF DEATH | Int. List No. | <u>Total Number</u> | |
|---|---------------------|---------------------|------|
| | | 1955 | 1956 |
| Acute upper respiratory infections | A87 | 6 | 2 |
| Influenza | A88 | 2 | 2 |
| <u>PNEUMONIA, ALL FORMS: (A89-A91)</u> | | | |
| Lobar Pneumonia | A89 | 34 | 27 |
| Bronchopneumonia | A90 | 31 | 55 |
| Primary atypical, other and unspecified pneumonia | A91 | 20 | 26 |
| Acute bronchitis | A92 | 4 | 5 |
| Bronchitis, chronic and unqualified | A93 | 2 | 7 |
| Hypertrophy of tonsils and adenoids | A94 | 1 | 1 |
| Pleurisy | A96 | | 1 |
| All other respiratory diseases | A97 | 29 | 25 |
| Ulcer of stomach | A99 | 14 | 5 |
| Ulcer of duodenum | A100 | 9 | 15 |
| Gastritis and duodenitis | A101 | 1 | |
| Appendicitis | A102 | 2 | 4 |
| Intestinal obstruction and hernia | A103 | 18 | 18 |
| Gastro-enteritis and colitis, except diarrhea of the newborn | A104 | 22 | 15 |
| Cirrhosis of liver | A105 | 45 | 39 |
| Cholelithiasis and cholecystitis | A106 | 6 | 11 |
| Other diseases of digestive system | A107 | 27 | 20 |
| <u>NEPHRITIS & NEPHROSIS, ALL FORMS: (A108-A109)</u> | | | |
| Acute Nephritis | A108 | 1 | 3 |
| Chronic, other and unspecified nephritis | A109 | 30 | 32 |
| Infections of kidney | A110 | 12 | 10 |
| Calculi of urinary system | A111 | 1 | 2 |
| Hyperplasia of prostate | A112 | 12 | 9 |
| Other diseases of genito-urinary system | A114 | 7 | 7 |
| <u>MATERNAL DEATHS, ALL FORMS: (A115-A120)</u> | | | |
| Sepsis of pregnancy, childbirth and the puerperium | A115 | 1 | 1 |
| Toxaemias of pregnancy and the puerperium | A116 | 1 | 2 |
| Hemorrhage of pregnancy and childbirth | A117 | 2 | 1 |
| Abortion with sepsis | A119 | 1 | |
| Other complications of pregnancy, childbirth and puerperium | A120 | 4 | 5 |
| Arthritis and spondylitis | A122 | 5 | 2 |
| Osteomyelitis and periostitis | A124 | 1 | |

| CAUSE OF DEATH | Int. List No. | Total Number | |
|---|---------------------|--------------|-------|
| | | 1955 | 1956 |
| All other diseases of skin and musculoskeletal system | A126 | 2 | 3 |
| <u>CONGENITAL MALFORMATION, ALL FORMS: (A127-A129)</u> | | | |
| Spina bifida and meningocele | A127 | 2 | 10 |
| Congenital malformations of circulatory system | A128 | 39 | 42 |
| All other congenital malformations | A129 | 46 | 58 |
| Birth injuries | A130 | 40 | 48 |
| Postnatal asphyxia and atelectasis | A131 | 67 | 79 |
| Infections of the newborn | A132 | 13 | 18 |
| Hemolytic disease of newborn | A133 | 14 | 10 |
| All other defined diseases of early infancy | A134 | 6 | 4 |
| Ill-defined diseases peculiar to early infancy, and immaturity unqualified | A135 | 110 | 109 |
| Senility without mention of psychosis | A136 | 6 | |
| Ill-defined and unknown causes of mortality | A137 | 7 | 9 |
| <u>ACCIDENTS: ALL FORMS: (AE138-AE147)</u> | | | |
| Motor vehicle accidents | AE138 | 128 | 125 |
| Other transport accidents | AE139 | 7 | 21 |
| Accidental poisoning | AE140 | 5 | 4 |
| Accidental falls | AE141 | 26 | 41 |
| Accident caused by machinery | AE142 | 5 | 3 |
| Accident caused by fire and explosion of combustible material | AE143 | 24 | 14 |
| Accident caused by hot substance, corrosive liquid, steam and radiation | AE144 | 3 | 1 |
| Accident caused by firearm | AE145 | 5 | 5 |
| Accidental drowning and submersion | AE146 | 13 | 15 |
| All other accidental causes | AE147 | 16 | 27 |
| Suicide and self-inflicted injury | AE148 | 46 | 42 |
| Homicide and injury purposely inflicted by other persons (not in war) | AE149 | 7 | 10 |
| TOTAL. | | 3,477 | 3,725 |

POLIOMYELITIS

Prevention of Paralytic Poliomyelitis:

During the spring of 1954 an extensive controlled trial of the poliomyelitis vaccine developed by Dr. Jonas Salk was initiated by the National Foundation for Infantile Paralysis, the purpose being to test the effectiveness of this vaccine in protecting children against paralytic poliomyelitis under natural conditions of exposure. In Oakland County a total of 16,534 children, 5 to 9 years of age, participated in the controlled field trials. One-half of these received the Salk Poliomyelitis Vaccine, the other half receiving a harmless placebo; details of these field trials appeared in our 1954 Annual Report.

Early in 1955 the Evaluation Center in Ann Arbor reported to the world that the Salk Vaccine was a safe, effective and potent agent against the crippling effects of this dreaded disease. Such a favorable report from the Evaluation Center was the "go" sign for public health authorities to redouble their efforts to stamp out paralytic poliomyelitis, as the trials showed that the vaccine was 80 to 90 per cent effective in preventing such paralysis. Community studies have continued since the field trials, the findings indicating that vaccinated children run only about 1/5 the risk of getting the crippling paralytic disease as do their unvaccinated playmates.

In order to be assured of the best results, it is necessary for a person to receive a full course of 3 properly spaced inoculations. After the first dose is received, the second dose is usually given 4 or 5 weeks later, with the third dose following 7 to 12 months later. Records of children already vaccinated show that 2 doses of vaccine - even 1 dose - give a good level of protection; the third dose results in a sharp rise in immunity.

Since the early autumn of 1955, the Michigan Department of Health has distributed free poliomyelitis vaccine to private physicians and local health departments for the immunization of those persons believed most susceptible to poliomyelitis. Priority in distribution is given to children 1 through 14 years of age and pregnant women. At the same time persons from 15 to 50 years of age should not neglect this protection, as upwards of 40% of the cases now occurring are found in persons outside the priority age group.

In Oakland County during the fall of 1955 and through the year 1956, it is estimated that out of a potential of 215,984 eligibles (children 1 to 14 years of age and pregnant women), Salk Vaccine was administered to the following:

112,959 first injections, or approximately 52.3% of total eligibles

108,742 second injections, or approximately 50.3% of total eligibles

39,861 third injections, or approximately 18% of total eligibles.

INCIDENCE OF POLIOMYELITIS - OAKLAND COUNTY - 1955-56:

Since the introduction of Salk Vaccine in 1954, poliomyelitis cases and deaths have dropped sharply in Oakland County as shown by the following figures:

| | <u>Number of Cases</u> | <u>Number of Deaths</u> |
|------|------------------------|-------------------------|
| 1954 | 187 | 12 |
| 1955 | 107 | 2 |
| 1956 | 44 | 4 |

During the 5-year period, 1949-1953, the yearly average of cases of poliomyelitis was 229 and the average number of deaths therefrom was 13.

A break-down of the reported paralytic and non-paralytic cases of poliomyelitis, by age groups and deaths reveals the following record for 1955-1956:

NON-PARALYTIC CASES OF POLIOMYELITIS

| <u>Age Groups</u> | <u>1955</u> | | <u>1956</u> | |
|-------------------|--------------|---------------|--------------|---------------|
| | <u>Cases</u> | <u>Deaths</u> | <u>Cases</u> | <u>Deaths</u> |
| 1 to 14 | 45 | - | 14 | - |
| 15 to 19 | 12 | - | 3 | - |
| 20 to 35 | 25 | - | 8 | - |
| Over 35 | <u>2</u> | <u>-</u> | <u>1</u> | <u>-</u> |
| Total All Ages | 84 | - | 26 | - |

PARALYTIC CASES OF POLIOMYELITIS

| <u>Age Groups</u> | <u>1955</u> | | <u>1956</u> | |
|-------------------|--------------|---------------|--------------|---------------|
| | <u>Cases</u> | <u>Deaths</u> | <u>Cases</u> | <u>Deaths</u> |
| 1 to 14 | 18 | 1 | 11 | - |
| 15 to 19 | 1 | - | 1 | 1 |
| 20 to 35 | 3 | - | 6 | 3 |
| Over 35 | <u>1</u> | <u>1</u> | <u>-</u> | <u>-</u> |
| Total All Ages | 23 | 2 | 18 | 4 |

TOTAL NUMBER CASES - PARALYTIC AND NON-PARALYTIC POLIOMYELITIS

| <u>Age Groups</u> | <u>1955</u> | | <u>1956</u> | |
|-------------------|--------------|---------------|--------------|---------------|
| | <u>Cases</u> | <u>Deaths</u> | <u>Cases</u> | <u>Deaths</u> |
| 1 to 14 | 63 | 1 | 25 | - |
| 15 to 19 | 13 | - | 4 | 1 |
| 20 to 35 | 28 | - | 14 | 3 |
| Over 35 | <u>3</u> | <u>1</u> | <u>1</u> | <u>-</u> |
| Total All Ages | 107 | 2 | 44 | 4 |

Of the 6 fatal cases occurring in 1955 and 1956, none had ever received any vaccine. Of the 33 cases of paralytic poliomyelitis reported in the same years, none had ever received a full course of 3 properly spaced inoculations. The same statement holds good for all the other cases of this disease reported in the last two years.

The poliomyelitis record for 1956 was the best in Oakland County since 1948, when 40 cases were reported. During the intervening years a record high of 336 cases was recorded in 1952. Evidence continues to reaffirm the safety of Salk Vaccine and to prove that it provides an effective means of materially reducing, if not entirely eliminating, the threat of paralytic poliomyelitis. It is the responsibility of all parents to see that their children receive the full course of 3 properly spaced inoculations, thereby protecting them against the crippling effects of poliomyelitis.

VENEREAL DISEASE ACTIVITY REPORT - 1955-56

(Excluding Pontiac City)

| | <u>1955</u> | <u>1956</u> |
|---|-------------|-------------|
| <u>Clinic Services:</u> | | |
| Admissions | 647 | 837 |
| Readmissions | 158 | 125 |
| Visits | 1,216 | 1,099 |
| Smears taken | 143 | 238 |
| Blood samples taken (Including adult medical clinics) | 941 | 910 |
| Lumbar punctures | 3 | 7 |
| Treatments given | 231 | 246 |
| Patients for whom treatment completed in clinics | 202 | 146 |
| <u>Epidemiology:</u> | | |
| Number of referrals on contacts and suspects: | | |
| Contacts | 110 | 40 |
| Suspects | 242 | 71 |
| Number brought to treatment as result of these investigations: | | |
| Syphilis | 36 | 11 |
| Gonorrhoea | 48 | 36 |

TUBERCULOSIS CONTROL DIVISION

It is not easy to picture the real story of tuberculosis in a few words. It remains in many ways to the medical profession a baffling and treacherous disease. Many people, both lay and professional, become enthusiastic over the so-called "miracle drugs" and the rapid cures effected; yet experience has shown such drugs are ineffectual in many far advanced cases and many cases are not detected until they are far advanced. Also, patients treated and discharged from the sanatorium as arrested or inactive must be followed in the out-patient clinic of the Health Department for many months to guard against re-activation.

In 1955 there were 42 cases of re-activated tuberculosis re-admitted to the sanatorium, which represented 21% of all admissions from Oakland County of proven tuberculosis; in 1956 there were 44 admissions of re-activated cases or about 20% of all admissions. This does not include those returned to the sanatorium for further treatment because they left against medical advice; these latter amounted to 9 cases in 1955 and 8 cases in 1956.

Treatment of tuberculosis has changed in the past ten years with the advent of newer drugs and improved conceptions and technique in lung surgery. This has resulted in reducing the length of hospitalization in most cases, follow-up and further treatment being given on an out-patient basis by the Health Department. These services have grown so rapidly that at the end of 1956 there were 131 out-patients being treated in our clinic.

In 1955, a total of 13,365 x-rays were taken by the Health Department; with a total of 13,341 x-rays taken in 1956. In addition, in 1956, there were 35,027 films taken by mobile units of the Michigan State Health Department; the entire Pontiac State Hospital (staff and patients) were surveyed with 3,779 films; local hospitals on the initial admittance x-ray program took 26,554 films; and private physicians and industry provided 4,337 films, for a grand total of 83,038 x-rays taken in a screening program to protect the citizens of our county against tuberculosis. Altogether there were 176 cases of active tuberculosis hospitalized in the Oakland County Sanatorium during 1955 and 211 active cases hospitalized during 1956.

During 1955, there were 21 deaths from tuberculosis in Oakland County and 27 deaths from the disease in 1956. This gives us a death rate per 100,000 of 5 and 6.7 respectively for the past two years, as compared with an average death rate of 7 for the 5 years immediately prior to this period; in 1954, for the State as a whole, the rate was 8 fatalities per 100,000 citizens. The morbidity rate for 1956 was 43 per 100,000 (new cases), as against 82 for the State of Michigan as a whole in 1954.

In 1956, several counties in South Eastern Michigan (Wayne, including the city of Detroit, Macomb, Oakland, Monroe, Washtenaw and St. Clair) combined to form a Southeastern Michigan Detection Project. It is in this area that tuberculosis seems to have higher incidence rates. Because of the interchange in population in this section, arrangements are made so that if a tubercular case is discovered in a different county from the one in which the individual resides, mutual checks can be made and follow-up work carried on. The project is just now in the initial stage, but it is hoped that with concerted effort the eradication of this disease will be expedited.

OAKLAND COUNTY HEALTH DEPARTMENT
TUBERCULOSIS CONTROL ACTIVITY REPORT - 1955-56

(Including Pontiac City)

| | <u>1955</u> | <u>NUMBER</u> | <u>1956</u> |
|---|---------------|---------------|---------------|
| <u>X-RAYS:</u> | | | |
| Cases | 1,700 | | 1,621 |
| Contacts | 965 | | 968 |
| Observations | 348 | | 651 |
| Survey type | <u>10,352</u> | | <u>10,101</u> |
| TOTAL X-RAYS | 13,365 | | 13,341 |
| Positive Cases Tuberculosis Reported | 133 | | 171 |
| Positive Cases Found In Health Department Clinics | 43 | | 40 |
| <u>CLINIC SERVICES</u> | | | |
| Tuberculin tests | 901 | | 1,427 |
| Sputum examinations | 232 | | 526 |
| Chemotherapy Treatments: | | | |
| Patients | 145 | | 216 |
| Treatments | 2,476 | | 2,698 |

REPORTED CASES OF
COMMUNICABLE DISEASES BY AREAS - 1955-1956

CHICKENPOX

Berkley
Birmingham
Farmington City
Ferndale
Hazel Park
Oak Park
Pleasant Ridge
Pontiac City
Rochester
Royal Oak
County Rural
TOTALS

1955
381
566
11
286
352
178
43
466
6
1,142
1,401
4,832

CHICKENPOX

1956
139
342
5
199
138
154
10
244
4
370
1,011
2,616

DYSENTERY (ALL FORMS)

Berkley
Birmingham
Farmington City
Ferndale
Hazel Park
Oak Park
Pleasant Ridge
Pontiac City
Rochester
Royal Oak
County Rural
TOTALS

1955
-
-
-
2
-
-
-
-
-
1
11
14

DYSENTERY (ALL FORMS)

1956
-
-
-
1
-
1
-
-
-
1
4
7

DIPHTHERIA

Berkley
Birmingham
Farmington City
Ferndale
Hazel Park
Oak Park
Pleasant Ridge
Pontiac City
Rochester
Royal Oak
County Rural
TOTALS

1955
-
-
-
-
-
-
-
-
-
2
1
3

DIPHTHERIA

1956
-
-
-
-
-
-
-
-
-
1
-
1

REPORTED CASES OF
COMMUNICABLE DISEASES BY AREAS - 1955-1956

| | <u>ENCEPHALITIS</u> | <u>ENCEPHALITIS</u> |
|-----------------|---------------------|---------------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | - | - |
| Birmingham | 1 | - |
| Farmington City | - | - |
| Ferndale | - | 1 |
| Hazel Park | 1 | 1 |
| Oak Park | - | - |
| Pleasant Ridge | - | - |
| Pontiac City | - | - |
| Rochester | - | - |
| Royal Oak | 1 | - |
| County Rural | <u>5</u> | <u>4</u> |
| TOTALS | 8 | 6 |

| | <u>ERYSIPELAS</u> | <u>ERYSIPELAS</u> |
|-----------------|-------------------|-------------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | - | - |
| Birmingham | - | - |
| Farmington City | - | - |
| Ferndale | 1 | - |
| Hazel Park | - | - |
| Oak Park | - | - |
| Pleasant Ridge | - | - |
| Pontiac City | - | - |
| Rochester | - | - |
| Royal Oak | - | - |
| County Rural | <u>3</u> | <u>2</u> |
| TOTAL | 4 | 2 |

| | <u>HEPATITIS</u> | <u>HEPATITIS</u> |
|-----------------|------------------|------------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 3 | - |
| Birmingham | 1 | - |
| Farmington City | - | - |
| Ferndale | 1 | - |
| Hazel Park | - | 1 |
| Oak Park | 1 | - |
| Pleasant Ridge | - | - |
| Pontiac City | - | - |
| Rochester | - | 4 |
| Royal Oak | 1 | 7 |
| County Rural | <u>61</u> | <u>38</u> |
| TOTALS | 68 | 50 |

REPORTED CASES OF
COMMUNICABLE DISEASES BY AREAS - 1955-56

| | <u>MEASLES</u> | |
|-----------------|----------------|--------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 59 | 601 |
| Birmingham | 354 | 986 |
| Farmington City | 5 | 2 |
| Ferndale | 55 | 545 |
| Hazel Park | 70 | 345 |
| Oak Park | 40 | 324 |
| Pleasant Ridge | 8 | 67 |
| Pontiac City | 480 | 1,147 |
| Rochester | 4 | 55 |
| Royal Oak | 120 | 1,262 |
| County Rural | 936 | 2,756 |
| TOTALS | <u>2,131</u> | <u>8,090</u> |

| | <u>MENINGOCOCCIC</u> <u>MENINGITIS</u> | |
|-----------------|---|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | - | - |
| Birmingham | - | - |
| Farmington City | - | - |
| Ferndale | - | - |
| Hazel Park | 1 | 2 |
| Oak Park | - | - |
| Pleasant Ridge | - | - |
| Pontiac City | 2 | 5 |
| Rochester | - | - |
| Royal Oak | 1 | - |
| County Rural | 3 | 3 |
| TOTALS | <u>7</u> | <u>10</u> |

| | <u>MUMPS</u> | |
|-----------------|--------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 516 | 22 |
| Birmingham | 1,019 | 53 |
| Farmington City | 5 | 2 |
| Ferndale | 318 | 122 |
| Hazel Park | 98 | 175 |
| Oak Park | 218 | 19 |
| Pleasant Ridge | 54 | 14 |
| Pontiac City | 125 | 61 |
| Rochester | 1 | 2 |
| Royal Oak | 615 | 139 |
| County Rural | 1,093 | 253 |
| TOTALS | <u>4,062</u> | <u>862</u> |

REPORTED CASES OF
COMMUNICABLE DISEASES BY AREAS - 1955-1956

| | <u>PNEUMONIA (ALL FORMS)</u> | |
|-----------------|------------------------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 3 | 3 |
| Birmingham | 6 | 3 |
| Farmington City | - | - |
| Ferndale | 14 | 4 |
| Hazel Park | 2 | 1 |
| Oak Park | - | 1 |
| Pleasant Ridge | - | 1 |
| Pontiac City | 33 | 37 |
| Rochester | 2 | - |
| Royal Oak | 11 | 5 |
| County Rural | <u>62</u> | <u>32</u> |
| TOTALS | 133 | 87 |

| | <u>POLIOMYELITIS</u> | |
|-----------------|----------------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 7 | 2 |
| Birmingham | 7 | 4 |
| Farmington City | 5 | 1 |
| Ferndale | 5 | - |
| Hazel Park | 4 | - |
| Oak Park | 2 | - |
| Pleasant Ridge | 2 | - |
| Pontiac City | 8 | 8 |
| Rochester | - | - |
| Royal Oak | 18 | 8 |
| County Rural | <u>49</u> | <u>21</u> |
| TOTALS | 107 | 44 |

| | <u>RHEUMATIC FEVER</u> | |
|-----------------|------------------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 1 | - |
| Birmingham | - | 1 |
| Farmington City | - | - |
| Ferndale | 7 | 7 |
| Hazel Park | - | - |
| Oak Park | 2 | - |
| Pleasant Ridge | - | - |
| Pontiac City | - | - |
| Rochester | - | - |
| Royal Oak | - | 1 |
| County Rural | <u>13</u> | <u>14</u> |
| TOTALS | 23 | 23 |

REPORTED CASES OF
COMMUNICABLE DISEASES BY AREAS - 1955-1956

| | <u>RUBELLA</u> | |
|-----------------|----------------|--------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 10 | 64 |
| Birmingham | 115 | 288 |
| Farmington City | - | - |
| Ferndale | 13 | 267 |
| Hazel Park | 18 | 82 |
| Oak Park | 8 | 20 |
| Pleasant Ridge | 3 | 33 |
| Pontiac City | 9 | 501 |
| Rochester | - | 1 |
| Royal Oak | 65 | 177 |
| County Rural | 95 | 267 |
| TOTALS | 336 | 1,700 |

| | <u>SALMONELLA</u> | |
|-----------------|-------------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | - | - |
| Birmingham | - | 1 |
| Farmington City | - | - |
| Ferndale | 2 | - |
| Hazel Park | - | 1 |
| Oak Park | 1 | 2 |
| Pleasant Ridge | - | - |
| Pontiac City | - | - |
| Rochester | - | 4 |
| Royal Oak | 2 | - |
| County Rural | 8 | 17 |
| TOTALS | 13 | 25 |

| | <u>SCARLET FEVER</u> | |
|-----------------|----------------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 37 | 35 |
| Birmingham | 57 | 39 |
| Farmington City | 4 | - |
| Ferndale | 28 | 64 |
| Hazel Park | 44 | 19 |
| Oak Park | 23 | 27 |
| Pleasant Ridge | 2 | 8 |
| Pontiac City | 278 | 59 |
| Rochester | - | 1 |
| Royal Oak | 91 | 45 |
| County Rural | 456 | 184 |
| TOTAL | 1,020 | 481 |

REPORTED CASES OF
COMMUNICABLE DISEASES BY AREAS - 1955-1956

| | <u>TUBERCULOSIS</u> | |
|-------------------------------------|---------------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | 13 | 18 |
| Birmingham | 6 | 10 |
| Farmington City | - | 2 |
| Ferndale | 15 | 30 |
| Hazel Park | 14 | 23 |
| Oak Park | 7 | 14 |
| Pleasant Ridge | 2 | 3 |
| Pontiac City | 53 | 92 |
| Rochester | 7 | 7 |
| Royal Oak | 23 | 34 |
| County Rural | <u>138</u> | <u>191</u> |
| TOTALS -- Active and inactive cases | 278 | 424 |
| TOTALS -- Active cases only | 133 | 171 |

| | <u>TYPHOID FEVER</u> | |
|----------------|----------------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | - | - |
| Birmingham | - | - |
| Farmington | - | - |
| Ferndale | - | - |
| Hazel Park | - | - |
| Oak Park | - | - |
| Pleasant Ridge | - | - |
| Pontiac City | - | - |
| Rochester | - | - |
| Royal Oak | 2 | - |
| County Rural | <u>2</u> | <u>2</u> |
| TOTALS | 4 | 2 |

| | <u>WHOOPING COUGH</u> | |
|-----------------|-----------------------|-------------|
| | <u>1955</u> | <u>1956</u> |
| Berkley | - | 3 |
| Birmingham | 4 | - |
| Farmington City | - | - |
| Ferndale | 14 | 1 |
| Hazel Park | 12 | 8 |
| Oak Park | - | - |
| Pleasant Ridge | - | - |
| Pontiac City | 32 | 59 |
| Rochester | 4 | - |
| Royal Oak | 2 | 1 |
| County Rural | <u>39</u> | <u>84</u> |
| TOTALS | 107 | 156 |

RABIES CONTROL REPORT -- 1955-1956

| | <u>No. Reported*</u> | | <u>No. Patients**</u> | | <u>No. Treatments</u> | |
|--------------------|--------------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| | <u>Bites or Contacts</u> | | <u>Treated</u> | | <u>Given</u> | |
| | <u>1955</u> | <u>1956</u> | <u>1955</u> | <u>1956</u> | <u>1955</u> | <u>1956</u> |
| North Oakland Area | 712 | 689 | 63 | 90 | 155 | 196 |
| South Oakland Area | 482 | 548 | 203 | 124 | 727 | 392 |
| City of Pontiac | <u>301</u> | <u>317</u> | <u>18</u> | <u>1</u> | <u>41</u> | <u>2</u> |
| <u>TOTAL</u> | 1,495 | 1,554 | 284 | 215 | 923 | 590 |

* Includes the number of persons reporting to the Health Department for advice or treatment because of bites or contacts with known or unknown animals suspected of having Rabies. In 1955, investigation determined that of the 1,495 individuals reporting bites or contacts, 1,211 did not require any Pasteur prophylactic treatment; and in 1956, of the 1,554 bites or contacts reported, 1,339 persons required no Pasteur prophylactic treatment.

** Includes the number of patients requiring various amounts of treatment depending upon the location of the bite or open wound.

| | <u>All Areas</u> | | <u>County Controlled</u> | | <u>Uncontrolled</u> | |
|--|------------------|-------------|--------------------------|-------------|---------------------|-------------|
| | <u>1955</u> | <u>1956</u> | <u>1955</u> | <u>1956</u> | <u>1955</u> | <u>1956</u> |
| Number of Reported Rabid Dogs: | 1 | - | - | - | 1 | - |
| Number of Rabid Animals (other than dogs): | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| Total number of Reported Rabid Animals | 1 | 0 | 0 | 0 | 1 | 0 |

Number of Patients Reported Bitten by Positive Animals:

| | <u>Dogs</u> | | <u>Other Animals</u> | | <u>Total</u> | |
|--------------------|--------------------|-------------|----------------------|-------------|--------------|-------------|
| | <u>1955</u> | <u>1956</u> | <u>1955</u> | <u>1956</u> | <u>1955</u> | <u>1956</u> |
| | North Oakland Area | - | - | - | - | - |
| South Oakland Area | 1 | - | - | - | 1 | - |
| City of Pontiac | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| <u>TOTAL</u> | 1 | 0 | 0 | 0 | 1 | 0 |

Number of Patients Reported Bitten by Stray Dogs:

| | <u>1955</u> | <u>1956</u> |
|--------------------|-------------|-------------|
| North Oakland Area | 33 | 77 |
| South Oakland Area | 30 | 12 |
| City of Pontiac | <u>23</u> | <u>37</u> |
| <u>TOTAL</u> | 86 | 126 |

ENVIRONMENTAL SANITATION DIVISION

SUMMARY OF ACTIVITIES - 1955-56

| <u>INSPECTIONS AND FIELD VISITS:</u> | <u>1955</u> | <u>1956</u> |
|--|-------------|-------------|
| Restaurants, taverns, etc. | 1,293 | 581 |
| Grocery stores, markets | 1,201 | 564 |
| Slaughter houses and meat processing plants | 1,343 | 375 |
| School buildings | 93 | 103 |
| Institutions (hospitals, homes for aged, etc.) | 64 | 131 |
| Resorts (children camps, motels, etc.) | 73 | 32 |
| Industrial establishments | 40 | 21 |
| Milk processing plants | 35 | 38 |
| Dairy farms | 27 | 68 |
| Trailer parks | 193 | 116 |
| Public water supplies | 315 | 116 |
| Private water systems | 1,206 | 601 |
| Swimming places | 185 | 44 |
| Private sewage disposal facilities | 2,486 | 1,820 |
| Public sewerage systems | 42 | 140 |
| Septic tank cleaners trucks | 32 | 28 |
| Stream and lake pollution | 49 | 12 |
| Housing | 10 | 62 |
| Plumbing inspections | 17 | 6 |
| Lots and subdivisions for FHA and VA | 1,170 | 1,213 |

| | <u>1955</u> | <u>1956</u> |
|--|-------------|-------------|
| Visits relating to communicable diseases | 138 | 34 |
| Field consultations | 2,718 | 2,140 |
| Garbage and refuse disposal places | 97 | 106 |

SAMPLES COLLECTED:

| | | |
|--|-------|-------|
| Drinking water | 1,990 | 1,173 |
| Milk samples | 820 | 228 |
| Food samples | 22 | 29 |
| Water samples from lakes, streams and swimming pools | 180 | 113 |

OTHER:

| | | |
|--|--------|---------|
| Homes visited | 3,171 | 4,567 |
| Meetings attended | 253 | 191 |
| Talks given | 19 | 41 |
| News articles prepared | 8 | 6 |
| Miles traveled | 97,797 | 101,093 |
| Hours on duty | 22,265 | 23,245 |
| Office consultations | 8,294 | 7,135 |
| Construction plans approved | 208 | 209 |
| Complaints investigated | 1,220 | 611 |
| Meat (carcasses inspected) | 15,985 | 17,428 |
| Hours spent on rodent and insect control | 44 | 99 |
| Septic tank installations approved | 320 | 1,467 |
| Water supplies approved | 180 | 331 |

REPORT OF DENTAL SECTION - 1955-56

Dental services for eligible children were terminated when R. M. Christl, D. D. S., reported for active military duty in August, 1953. In January 1955, a full time dentist was employed and the services of a part time dentist were available for the first six months. In September 1955, Doctor Christl returned from service in the Army Dental Corps and assumed responsibility for reorganizing the dental program. Carl Leftwich, D. D. S., was employed in October 1955, giving us a staff of two dentists and one dental assistant at the conclusion of that year.

Dental treatment in the Health Center was limited to children up to 16 years of age and not beyond the 8th grade. Most of the services were rendered to children in the southern Oakland area, although many children from all parts of the county received treatment.

With the completion of the new Health Center in Pontiac and its inclusion of a two-chair dental clinic, dental services were expanded for eligible children throughout the county. One full time dentist, Dr. C. D. Christie, and one part time dentist, Dr. George Duncan, were employed to augment the dental staff.

Besides the services listed below, the educational phase of dentistry was stressed by the showing of films in classrooms, distribution of educational pamphlets and talks to children, parents and school personnel.

Following is a report of accomplishments in our clinics during the years of 1955-56:

| <u>SERVICES</u> | <u>1955</u> | <u>1956</u> |
|--------------------------|-------------|--------------|
| <u>Clinic Visits</u> | | |
| New patients | 2,322 | 2,206 |
| Old patients | <u>96</u> | <u>154</u> |
| | 2,418 | 2,360 |
| Recurrent visits | <u>423</u> | <u>2,854</u> |
| Total | 2,841 | 5,214 |
| <u>Teeth Extracted</u> | | |
| Deciduous | 1,996 | 2,529 |
| Permanent | <u>339</u> | <u>751</u> |
| Total | 2,335 | 3,280 |
| Local Anesthetic used | 2,607 | 4,976 |
| <u>Fillings</u> | | |
| Pulp Cappings | 159 | 477 |
| Cement bases | 2,170 | 5,622 |
| Silver amalgam | 2,126 | 5,671 |
| Cement | 27 | 48 |
| Synthetic Porcelain | 175 | 467 |
| Acrylic Restorations | <u>11</u> | <u>40</u> |
| Total | 4,668 | 12,325 |
| Gingivitis | 6 | 25 |
| Vincent's Infection | - | 3 |
| Prophylactic treatments | 53 | 229 |
| Miscellaneous operations | <u>48</u> | <u>83</u> |
| Total | 107 | 340 |

Bureau Of Laboratories - Oakland County Dep't Of Health

| | NOSE AND THROAT CULTURES | | | | | | | | | | | | Spinal Fluid | SYPHILIS | | | | GONORRHEA | | WATER | | | | | MILK | | | | TOTAL | | |
|--------------------|--------------------------|--------------|-----------|----------|-----------|---------|-----------|-----------|-------|-------|-------|-----------|--------------|---------------|----------|------------|------------|------------|--------------|-----------|--------------|------------|-----------|-----------|-------|------------|----|--|-------|---------------|-----|
| | DIAGNOSTIC | | | RELEASE | | CONTACT | | CARRIERS | | Dark. | Sero. | Spinal | | Quant. | Smear | Culture | Municipal | School | Private | Public | Pool | Pre. Past. | Past. | Ice Cream | Other | | | | | | |
| | Diph. | Hem. Strep. | Vinc. | Others | Diph. | Other | Diph. | Other | Diph. | | | | | | | | | | | | | | | | | Other | | | | | |
| 1. Contagious | 849 | 848 | 2 | | 18 | | | | | | | 60 | | 29 | | 2 | 87 | 46 | | 2 | | | | | | | | | | 1,945 | 1. |
| 2. Infirmary | 2 | 4 | 3 | | | | | | | | | | | 651 | | 8 | | | | 5 | 2 | 19 | 9 | 1 | | | 14 | | | 718 | 2. |
| 3. North Oakland | 42 | 44 | 13 | | | | 9 | | | | | | 2 | 3,352 | 3 | 48 | 345 | 29 | 394 | 15 | 1,123 | 376 | 27 | | | | | | | 5,822 | 3. |
| 4. Birmingham | 182 | 182 | 3 | | | | | | | | | | | 3,062 | | 20 | 15 | | 28 | | 4 | | 1 | | | | | | | 3,497 | 4. |
| 5. Pontiac | 26 | 29 | 1 | | | | | | | | | | | 172 | | 5 | 4 | 2 | 2 | | 2 | | | | | | | | | 249 | 5. |
| *6. South Oakland | 20 | 20 | 2 | 1 | | | | | | | | | | 1,058 | | 12 | 23 | | 287 | | 21 | 1 | 6 | | | | | | | 1,452 | 6. |
| 7. Berkley | 12 | 13 | 2 | 1 | | | | | | | | | | 560 | | 3 | 3 | | 211 | | | | | | | | | | | 810 | 7. |
| 8. Ferndale | 49 | 49 | 4 | | | | | | | | | | 1 | 2,279 | 1 | 26 | 32 | 2 | 15 | | | | 2 | | | 362 | | | | 2,823 | 8. |
| 9. Hazel Park | 6 | 5 | | | | | 5 | | | | | | | 975 | | 9 | 63 | 2 | 52 | | | | 14 | | | | | | | 1,131 | 9. |
| 10. Royal Oak City | 277 | 269 | 4 | | | | 3 | 1 | | | | 1 | 6 | 5,530 | 2 | 41 | 324 | 14 | 206 | | | | 7 | | | 204 | | | | 6,969 | 10. |
| 11. | 5 | 5 | | | | | 4 | | | | | | | 680 | | 11 | 19 | 2 | 96 | | | | 5 | | | | | | | 827 | 11. |
| 12. | 3 | 3 | | | | | 12 | 12 | | | | | 1 | 181 | | 15 | 55 | 9 | 14 | | | | 2 | | | | 18 | | | 325 | 12. |
| 13. Subm. to State | 10 | 17 | 3 | 1 | | | | | | | | 3 | 1 | 742 | 1 | 3 | 15 | | 19 | | | | | | | | | | | 823 | 13. |
| TOTAL | 1,493 | 1,488 | 37 | 3 | 18 | | 33 | 13 | | | | 64 | 11 | 19,272 | 7 | 207 | 950 | 106 | 1,331 | 17 | 1,171 | 386 | 66 | | | 678 | | | | 27,391 | |

| | BLOOD EXAMINATIONS | | | | | | | | | | | URINALYSIS | | | SPTUM | | | Trans. Exu. | Misc. Exam. | Feces | Cough Plates | Remarks, Extra Services, Etc. | TOTAL | | | | | | | | | |
|--------------------|--------------------|--------------|--------------|-----------|--------|-----------|-----------|--------------|----------|------------|----------|--------------|-----------|------------|------------|----------|-------|-------------|-------------|------------|--------------|-------------------------------|-------|--|--|--|--|--------------------|---------------|--|-------|-----|
| | Count | Type | Rh. | Anti. Rh. | | Inf. Mon. | Sed. Rate | Chem. | Culture | Aggl. | Other | Pre Natal | Routine | Other | T. B. | Culture | Other | | | | | | | | | | | | | | | |
| | | | | Pref. | Serial | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Contagious | 891 | 32 | 28 | | | 8 | 7 | 140 | 3 | 27 | 5 | 1,387 | 26 | 23 | | | | 46 | 52 | 31 | | | | | | | | | | | 2,706 | 1. |
| 2. Infirmary | 23 | 20 | 44 | | | | | 1,166 | 1 | 555 | | 496 | 1 | 1 | | | | | 1 | 2 | | | | | | | | | | | 2,310 | 2. |
| 3. North Oakland | 14 | 331 | 654 | 7 | | | | 1 | 4 | 10 | | 159 | 1 | 27 | 57 | | | 2 | 5 | 60 | | | | | | | | | | | 1,332 | 3. |
| 4. Birmingham | 2 | 339 | 643 | 7 | | | | 2 | | 25 | | 1 | | 13 | 3 | | | 2 | 1 | 1 | 2 | | | | | | | | | | 1,041 | 4. |
| 5. Pontiac | 3 | 26 | 46 | | | | | 1 | 2 | | | 3 | | | | | | | 1 | | | | | | | | | | | | 82 | 5. |
| 6. South Oakland | 8 | 110 | 166 | | | | | 2 | | 9 | | 7 | | 8 | 5 | | | | 2 | 5 | | | | | | | | | | | 322 | 6. |
| 7. Berkley | 13 | 25 | 65 | 1 | | | | 5 | | | | 15 | | 8 | 14 | | | | 9 | | | | | | | | | | | | 155 | 7. |
| 8. Ferndale | 12 | 63 | 78 | 1 | | | | 2 | | 4 | | 7 | 1 | 30 | 15 | | | 2 | | 37 | | | | | | | | | | | 252 | 8. |
| 9. Hazel Park | 53 | 21 | 94 | 2 | | | | 9 | 10 | 3 | | 14 | | 10 | 11 | 1 | | 1 | 4 | 2 | 2 | | | | | | | | | | 237 | 9. |
| 10. Royal Oak City | 189 | 630 | 1,336 | 2 | | | | 43 | 29 | 2 | | 84 | 2 | 43 | 24 | | | 1 | 23 | 26 | 10 | | | | | | | | | | 2,444 | 10. |
| 11. | 8 | 87 | 127 | 1 | | | | 1 | | | | 16 | | 9 | 4 | | | 1 | 2 | 75 | 1 | | | | | | | | | | 332 | 11. |
| 12. | 11 | 5 | 9 | | | | | | | | | 4 | | | | | | 1 | 5 | | 2 | | | | | | | | | | 39 | 12. |
| 13. Subm. to State | 1 | 271 | 275 | 1 | | | | 1 | 11 | | | 3 | | 6 | 2 | | | 3 | 2 | 168 | | | | | | | | | | | 745 | 13. |
| TOTAL | 1,228 | 1,960 | 3,565 | 22 | | 8 | 69 | 1,367 | 4 | 635 | 6 | 2,196 | 31 | 178 | 137 | 1 | | 59 | 107 | 407 | 17 | | | | | | | GRAND TOTAL | 39,388 | | | |

Bureau Of Laboratories - Oakland County Dep't Of Health

| | NOSE AND THROAT CULTURES | | | | | | | | | | | | Spinal Fluid | SYPHILIS | | | | GONORRHEA | | WATER | | | | | MILK | | | | TOTAL | | |
|--------------------|--------------------------|--------------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|-----------|----------|---------------|----------|------------|------------|------------|--------------|--------------|------------|----------|------------|------------|----------|------------|----------|----------|---------------|---------------------|-------------------|--------------------|
| | DIAGNOSTIC | | | | RELEASE | | CONTACT | | CARRIERS | | Dack. | Sero. | | Spinal | Quant. | Smear | Culture | Municipal | School | Private | Public | Pool | Pre. Past. | Past. | Ice Cream | Other | | | | | |
| | Diph. | Hem. Strept | Vinc. | Others | Diph. | Other | Diph. | Other | Diph. | Other | | | | | | | | | | | | | | | | | | | | | |
| 1. Contagious | 545 | 542 | 3 | 9 | 11 | 11 | | | | | | | 32 | | 21 | | 1 | 32 | 32 | | | | | | | | | | | | 1,230 ¹ |
| 2. Infirmary | | | | | | | | | | | | | | | 683 | | 3 | 8 | 2 | 31 | | 148 | 42 | | | | | | | 917 ² | |
| 3. North Oakland | 195 | 196 | 17 | | | | | | | | | | | | 3,439 | | 11 | 310 | 33 | 493 | | 777 | 235 | 1 | | | | | 5,707 ³ | | |
| 4. Birmingham | 316 | 325 | 14 | 3 | | | | | | | | | | | 3,375 | | 11 | 14 | 2 | 10 | | 8 | 1 | | | | | | 4,079 ⁴ | | |
| 5. Pontiac | 21 | 19 | 1 | | | | | 10 | | | | | | | 240 | 1 | 3 | 7 | 4 | 5 | | 3 | | | | | | | 314 ⁵ | | |
| 6. South Oakland | 28 | 26 | | | | | | | | | | | | | 1,215 | 2 | 11 | 40 | 2 | 273 | | 73 | | | | | | | 1,677 ⁶ | | |
| 7. Berkley | 71 | 134 | 1 | | | | | | | | | | | | 502 | | 1 | 8 | 1 | 100 | | 3 | | | | | | | 821 ⁷ | | |
| 8. Ferndale | 60 | 62 | 1 | | | | | | | | | | | | 3,036 | 1 | 28 | 22 | 1 | 5 | | 2 | 1 | | | 271 | | | 3,490 ⁸ | | |
| 9. Hazel Park | 19 | 19 | 2 | | | 6 | | | | | | | 3 | | 1,039 | | 15 | 34 | | 32 | | | | | | | | | 1,169 ⁹ | | |
| 10. Royal Oak City | 339 | 363 | 8 | | | 18 | | | | | | | | 3 | 5,915 | 1 | 39 | 92 | 5 | 148 | | 8 | | 2 | | | | | 6,941 ¹⁰ | | |
| 11. | 8 | 27 | 1 | | | | | | | | | | | | 798 | | 7 | 31 | 1 | 63 | | 1 | | 1 | | 4 | | | 941 ¹¹ | | |
| 12. | 3 | 6 | 1 | | | | | | | | | | | | 1,225 | 1 | 22 | 230 | 15 | 4 | | | | | | | | | 508 ¹² | | |
| 13. Subm. to State | 17 | 18 | 1 | | | | | | | | | | 4 | | 1,790 | | 9 | 15 | 3 | 19 | | 8 | 2 | | | | | | | 887 ¹³ | |
| TOTAL | 1,622 | 1,737 | 50 | 12 | 11 | 35 | 10 | 7 | 7 | 7 | 39 | 5 | 21,278 | 6 | 161 | 843 | 101 | 1,183 | 1,031 | 281 | 4 | 275 | 2 | 4 | 275 | 2 | 4 | 28,691 | | | |

| | BLOOD EXAMINATIONS | | | | | | | | | | | URINALYSIS | | | | SPTUM | | | | Remarks, Extra Services, Etc. | TOTAL | | | | |
|--------------------|--------------------|--------------|--------------|-------|--------|-----------|-----------|--------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|------------|-------------|-------------|-------------------------------|---------------|-------|-------------|---------------------|-------------------|
| | Count | Type | Rh. | Anti. | | Inf. Mon. | Sed. Rate | Chem. | Culture | Aggl. | Other | Pre Natal | Routine | Other | T. B. | Culture | Other | Trans. Exu. | Misc. Exam. | | | Peece | Cough Plate | | |
| | | | | Pref. | Serial | | | | | | | | | | | | | | | | | | | | |
| 1. Contagious | 636 | 16 | 8 | | | 2 | 2 | 117 | 8 | 3 | 51 | | 890 | 13 | 1 | | | | 51 | 18 | 1 | | | 1,817 ¹ | |
| 2. Infirmary | 16 | | 1 | | | | | | 1,374 | 8 | | | 564 | | | | | | 3 | 2 | | | | 1,968 ² | |
| 3. North Oakland | 8 | 470 | 767 | | | | | 11 | | 1 | | | 143 | 17 | 6 | 1 | 1 | | 5 | 1 | | | | 1,431 ³ | |
| 4. Birmingham | 658 | 716 | | | | 1 | | 14 | | 1 | | | 3 | | 4 | 3 | | | 23 | 2 | | | | 1,425 ⁴ | |
| 5. Pontiac | 2 | 37 | 59 | | | | | 1 | 1 | | | | 6 | 1 | 2 | | | | 3 | 1 | | | | 113 ⁵ | |
| 6. South Oakland | 20 | 168 | 257 | | | | | 7 | 19 | | | | 13 | | 14 | 1 | | | 4 | 5 | 1 | | | 509 ⁶ | |
| 7. Berkley | 10 | 73 | 141 | | | | | 9 | 1 | | | | 14 | 1 | 1 | 2 | | | 5 | 11 | | | | 268 ⁷ | |
| 8. Ferndale | 4 | 78 | 98 | | | | | | 4 | | | | 3 | | 5 | 5 | | | 4 | 3 | | | | 204 ⁸ | |
| 9. Hazel Park | 32 | 42 | 122 | | | | | 3 | 6 | | | | 5 | | 4 | 3 | | | 4 | 4 | | | | 225 ⁹ | |
| 10. Royal Oak City | 71 | 1,432 | 2,173 | | | | | 12 | 35 | | 2 | | 28 | | 27 | 21 | | | 10 | 12 | 2 | | | 3,825 ¹⁰ | |
| 11. | 7 | 173 | 219 | | | | | 3 | 1 | | 3 | | 4 | | 5 | 3 | | | | 20 | | | | 438 ¹¹ | |
| 12. | 55 | 3 | 60 | | | | | | 5 | | 1 | | 1 | | 2 | | 1 | | 2 | 3 | | | | 133 ¹² | |
| 13. Subm. to State | | 250 | 261 | | | | | | | | | | | 4 | 9 | 11 | 9 | | 2 | 333 | | | | | 879 ¹³ |
| TOTAL | 861 | 3,400 | 4,882 | | | 3 | 37 | 1,588 | 16 | 11 | 51 | 1,674 | 36 | 80 | 50 | 11 | 116 | 415 | 4 | GRAND TOTAL | 41,926 | | | | |

OAKLAND COUNTY DEPARTMENT OF HEALTH

LABORATORY COLLECTION SCHEDULE

| <u>STATIONS</u> | <u>MONDAYS THRU FRIDAYS</u> <u>TIME DUE</u> |
|--|--|
| 1. KEEGO HARBOR (Keego Pharmacy) | 1:00 PM |
| 2. ORCHARD LAKE CLINIC (Dr. Haddock) (<u>ON CALL ONLY</u>) | 1:15 |
| 3. FARMINGTON (Smith-Bradley Pharmacy) | 1:35 |
| 4. OAK PARK (Efros Pharmacy) | 1:45 |
| 5. FERNDALE (Professional Arts Pharmacy) | 1:55 |
| 6. HAZEL PARK (Vis John Pharmacy) | 2:00 |
| 7. ROYAL OAK (South Oakland Health Center) | 2:15 |
| 8. ROYAL OAK (Land's Pharmacy) | 2:30 |
| 9. CLAWSON (Sid's Pharmacy) | 2:45 |
| 10. MEDICAL ARTS PHARMACY (Woodward & Coolidge) . . . | 3:00 |
| 11. BERKLEY (Baker's Pharmacy) | 3:15 |
| 12. BIRMINGHAM (Police Station) | 3:30 |
| 13. ROCHESTER (Crissman's Pharmacy) | 4:00 |
| 14. PONTIAC (North Oakland Health Center) | 4:30 |
| 15. HEALTH DEPT. LABORATORY | 4:45 |

| | <u>SATURDAYS AND HOLIDAYS</u> <u>TIME DUE</u> |
|--|--|
| 1. KEEGO HARBOR (Keego Pharmacy) | 9:00 AM |
| 2. ORCHARD LAKE CLINIC (Dr. Haddock) (<u>ON CALL ONLY</u>) | 9:15 |
| 3. FARMINGTON (Smith-Bradley Pharmacy) | 9:40 |
| 4. OAK PARK (Efros Pharmacy) | 10:00 |
| 5. FERNDALE (Professional Arts Pharmacy) | 10:15 |
| 6. HAZEL PARK (Vis John Pharmacy) | 10:30 |
| 7. ROYAL OAK (South Oakland Health Center) | Closed |
| 8. ROYAL OAK (Land's Pharmacy) | 11:30 |
| 9. CLAWSON (Sid's Pharmacy) | 11:45 |
| 10. MEDICAL ARTS PHARMACY (Woodward & Coolidge) . . . | 11:55 |
| 11. BERKLEY (Baker's Pharmacy). | 12:05 PM |
| 12. BIRMINGHAM (Police Station) | 12:30 |
| 13. ROCHESTER (Crissman's Pharmacy) | 1:00 |
| 14. PONTIAC (North Oakland Health Center). | Closed |
| 15. HEALTH DEPT. LABORATORY | 1:30 |

MEDICAL EXAMINER'S DIVISION

On January 1, 1947, the functions of an elected Coroner were delegated to the Health Department. The Health Director became the Medical Examiner with the power to appoint Deputy Medical Examiners. Qualified physicians, registered to practice medicine in Oakland County are chosen on a regional basis, so as to expedite the functions of this Division.

Close cooperation between the medical groups, law enforcement agencies, the Prosecuting Attorney's Office and the Morticians is responsible for the efficient working of the Division.

OAKLAND COUNTY DEPUTY MEDICAL EXAMINERS

(John D. Monroe, M. D., Medical Examiner)

| | | | |
|--------------------------|--------------|------------------------|------------------|
| R. W. Albrecht, M. D. | Keego Harbor | F. A. Lamoreaux, M. D. | South Lyon |
| B. D. Bauer, M. D. | Hazel Park | S. M. Lewis, M. D. | Ferndale |
| E. W. Bauer, M. D. | Hazel Park | T. W. Ling, M. D. | Farmington |
| W. G. Beattie, M. D. | Ferndale | C. E. Lockwood, M. D. | Holly |
| R. H. Berg, M. D. | Oxford | J. A. Maloney, M. D. | Southfield |
| R. Buehrig, M. D. | Clarkston | H. Mark, M. D. | Oak Park |
| R. W. Bullard, M. D. | Clarkston | T. S. McInerney, M. D. | Royal Oak |
| W. L. Christensen, M. D. | Royal Oak | H. E. Meisner, M. D. | Huntington Woods |
| L. F. Cobb, M. D. | Pontiac | J. F. Naz, M. D. | Clarkston |
| E. F. Collins, M. D. | Pontiac | C. A. Neafie, M. D. | Pontiac |
| M. J. Delaney, M. D. | Farmington | C. J. Pelletier, M. D. | Ferndale |
| G. L. Dunlap, M. D. | Keego Harbor | P. W. Ports, M. D. | Farmington |
| E. E. Elder, Jr., M. D. | Waterford | I. C. Prevette, M. D. | Pontiac |
| E. W. Foust, M. D. | Royal Oak | M. G. Prosser, M. D. | Waterford |
| J. J. Gadbow, M. D. | Farmington | H. L. Riggs, M. D. | Pontiac |
| E. J. Geist, M. D. | Rochester | L. G. Rowley, M. D. | Drayton Plains |
| W. C. Gibson, M. D. | Milford | J. J. Ruva, M. D. | Drayton Plains |
| P. L. Gradolph, M. D. | Ferndale | K. W. Saunders, M. D. | Holly |
| W. A. Grant, M. D. | Milford | D. S. Smith, M. D. | Pontiac |
| J. D. Green, M. D. | Birmingham | E. W. Spohn, M. D. | Royal Oak |
| D. A. Haddock, M. D. | Orchard Lake | H. F. Stahl, M. D. | Oxford |
| C. R. Henry, M. D. | Ferndale | W. W. Weisberg, M. D. | Oak Park |
| R. C. Jacobi, M. D. | Oxford | H. B. Yoh, M. D. | Clarkston |
| L. L. Kazdan, M. D. | Oak Park | A. R. Young, M. D. | Pontiac |

SUMMARY OF MEDICAL EXAMINER'S CASES - 1955 - 1956

OCCURRING IN OAKLAND COUNTY

Accidents:

| | | |
|-------------------|-----|-----|
| Automobile | 104 | 91 |
| Drowning | 19 | 24 |
| Fall | 22 | 19 |
| Conflagration | 4 | 5 |
| Suffocation | 15 | 4 |
| Absorption of gas | 2 | 1 |
| Other accidents | 17 | 37 |
| Total | 183 | 181 |

Suicide:

| | | |
|-----------|----|----|
| Firearms | 22 | 16 |
| Hanging | 6 | 4 |
| Poisoning | 17 | 15 |
| Other | 5 | 5 |
| Total | 50 | 40 |

Homicide:

| | | |
|----------|---|----|
| Firearms | 3 | 6 |
| Other | 5 | 8 |
| Total | 8 | 14 |

Other deaths without medical attention
within 36 hours:

| | | |
|--|-----|-----|
| Diseases of the heart and Circulatory System | 565 | 615 |
| Diseases of the Nervous System (Inc. Cere- bral hemorrhage) | 123 | 117 |
| Cancer | 65 | 58 |
| Diseases of the Respiratory System | 81 | 90 |
| Diseases peculiar to first year of life | 4 | 5 |
| All other causes | 67 | 44 |
| Total | 905 | 929 |

Total number of calls made by Medical Examiners 1,146 1,164

Number of Autopsies 49 63
Number Inquests 2 1

MEDICAL EXAMINER'S RECEIPTS AND EXPENDITURES

| | | |
|---|-------------|-------------|
| 1. Deputy Medical Examiner's fees for calls made | \$7,057.46 | \$ 9,814.62 |
| 2. Medical Services | 5,867.00 | 5,375.00 |
| 3. Emergency room and morgue charges | 35.00 | 288.50 |
| 4. Office Supplies | 11.00 | 10.50 |
| Total | \$12,970.46 | \$15,488.62 |
| 5. Receipts from Medical Examiner's Certificates | \$ 35.00 | \$ 26.00 |

OAKLAND COUNTY OFFICIALS - 1955-56

OAKLAND COUNTY BOARD OF AUDITORS

Robert Y. Moore, Chairman
John C. Austin, Vice-Chairman
Robert E. Lilly, Secretary

OAKLAND COUNTY CORPORATION COUNSEL

Harry J. Merritt

OAKLAND COUNTY BOARD OF HEALTH

Ethan B. Cudney, M.D., Chairman
N. J. Quickstad, Secretary
Herbert Gardner
Hugh Dean
Ernest W. Bauer, M.D.

OAKLAND COUNTY HEALTH COMMITTEE

1955

Elmer W. Haack, Chairman
Genevieve C. Schock
Cyril E. Miller
Harriet Phillips
Louis F. Oldenburg
Eugene Swem
Winson S. Moberly

1956

Cyril E. Miller, Chairman
John G. Campbell
Winson S. Moberly
Louis F. Oldenburg
Harriet Phillips
Genevieve C. Schock
Eugene Swem
Clayton F. Detmers

OAKLAND COUNTY HEALTH DEPARTMENT

PERSONNEL 1955-56

PHYSICIANS:

| | |
|--------------------------|-------------------------|
| John D. Monroe, M. D. | Director |
| Frank J. Condon, M. D. | Deputy Director |
| Charles A. Neafie, M. D. | Deputy Director |
| John S. Lambie, M. D. | Coordinator |
| C. P. Mehas, M. D. | Tuberculosis Consultant |

CLINICS:

| | |
|--------------------------|-------------------|
| Maryann Ingersoll, R. N. | Clinic Supervisor |
| Evelyn Joyner, R. N. | Clinic Nurse |
| Kathleen Johns, R. N. | Clinic Nurse |

NURSING DIVISION:

| | | |
|--------------------------|-----------------------------|--------------------------|
| Evelyn Kidneigh, R. N. | | Director of Nurses |
| Martha E. Johnson, R. N. | | Asst. Director of Nurses |
| Marjorie Gaston, R. N. | | Educational Supervisor |
| Elaine Bevan, R. N. | | Nursing Supervisor |
| Lorraine Black, R. N. | (Educational Leave 9/24/56) | Nursing Supervisor |
| Rose Boyd, R. N. | | Nursing Supervisor |
| Anna Borgman, R. N. | (Resigned 5/20/55) | Nursing Supervisor |
| Janet Campbell, R. N. | (Resigned 3/11/55) | Nursing Supervisor |
| Helen Fergus, R. N. | | Nursing Supervisor |
| Lorna Hawley, R. N. | | Nursing Supervisor |
| Cynthia Boyea, R. N. | | Senior PHN |
| Mable Boyle, R. N. | (Employed 9/10/56) | Senior PHN |
| Hulda Edman, R. N. | (Employed 1/9/56) | Senior PHN |
| Paz Asuncion, R. N. | (Employed 6/18/56) | PHN II |
| Margaret Brokhoff, R. N. | (Employed 2/2/55) | PHN II |
| Helen Clark, R. N. | | PHN II |
| Myrtle Cummings, R. N. | (Resigned 9/19/56) | PHN II |
| Helen Dwyer, R. N. | (Employed 10/17/55) | PHN II |
| Marjorie Garrow, R. N. | (Employed 9/15/55) | PHN II |
| Joyce Goodrich, R. N. | (Employed 8/27/56) | PHN II |
| Mildred Halvorsen, R. N. | | PHN II |
| Doris Hannah, R. N. | (Employed 9/19/55) | PHN II |
| Helen Hawley, R. N. | (Resigned 8/26/55) | PHN II |
| Jane Jaffray, R. N. | (Resigned 2/5/55) | PHN II |
| Margaret Kilius, R. N. | (Resigned 8/17/56) | PHN II |

Nursing Division (continued)

| | | |
|---------------------------|--|--------|
| Ellen Lippert, R.N. | | PHN II |
| Ann Lund, R.N. | (Employed 8/29/55) | PHN II |
| Ann McClain, R.N. | (Employed 2/20/56) | PHN II |
| Laurene Richter, R.N. | (Employed 10/24/55) | PHN II |
| Doris Tianen, R.N. | (Resigned 8/23/55) | PHN II |
| Dorothy Zutant, R.N. | (Resigned 4/1/56) | PHN II |
| Ruth Barkey, R.N. | (Employed 10/29/56) | PHN I |
| Gladys Bowie, R.N. | (Employed 10/1/56) | PHN I |
| Kathleen Byrne, R.N. | (Employed 11/26/56) | PHN I |
| Shirley Coe, R.N. | | PHN I |
| Joanne Desjarlias, R.N. | (Resigned 7/31/56) | PHN I |
| Helen Folkers, R.N. | (Resigned 9/8/56) | PHN I |
| Elizabeth Giachino, R.N. | (Employed 10/29/56) | PHN I |
| Barbara Griffith, R.N. | (Employed 8/28/56) | PHN I |
| Marcella Kelchner, R.N. | (Employed 8/28/56) | PHN I |
| Lorraine Lundin, R.N. | (Employed 12/19/55 - Resigned 12/26/56) | PHN I |
| Gabrielle McDermott, R.N. | (Employed 11/9/55 - Resigned 7/13/56) | PHN I |
| Marie Middleton, R.N. | (Employed 9/6/55) | PHN I |
| Frances Nonneman, R.N. | (Employed 8/16/55 - Resigned 8/17/56) | PHN I |
| Grace Purdy, R.N. | | PHN I |
| Rose Ronconie, R.N. | (Employed 10/9/56) | PHN I |
| Jeanette Skues, R.N. | (Resigned 1/8/55) | PHN I |
| Helen Smith, R.N. | | PHN I |
| Joan Tabacchi, R.N. | | PHN I |
| Evelyn Thomas, R.N. | (Employed 1/9/56) | PHN I |
| Evelyn Vis, R.N. | (Educational Leave 9/10/56) | PHN I |
| Harriet White, R.N. | | PHN I |

DENTAL DIVISION:

| | | |
|----------------------------|---------------------|------------------|
| Richard M. Christl, D.D.S. | | Senior Dentist |
| C. D. Christie, D.D.S. | (Employed 9/17/56) | Dentist |
| W. George Duncan, D.D.S. | (Employed 9/17/56) | Dentist |
| Carl L. Leftwich, D.D.S. | | Dentist |
| Gertrude Gunz, D.D.S. | | Dentist |
| D. W. Smith, D.D.S. | (Resigned 11/26/55) | Dentist |
| Colleen O'Halloran | | Dental Assistant |
| Bernice Van Dorne | | Dental Assistant |
| Cynthia Verrier | (Employed 10/1/56) | Dental Assistant |
| Helen Kulidjian, R. D. H. | | Dental Hygienist |

TUBERCULOSIS CONTROL DIVISION

| | | |
|------------------|---|--------------------------|
| Ronald J. Clair | (Employed 4/2/56) | Coordinator-Investigator |
| Orval Russell | | X-Ray Technician |
| Virginia Colombo | (Employed 4/19/56- Resigned 9/21/56) | Clerk-Technician |
| Gena B. Doll | (Resigned 6/18/56) | Clerk--Technician |
| Pauline Glans | (Employed 9/14/56) | Clerk-Technician |
| Dorothy Martin | | Secretary |
| Emma LeMonde | | Typist II |
| Doris Mohr | (Resigned 8/20/55) | Typist II |
| Margaret Duncan | (Employed 9/19/55) | Typist II |

SANITATION DIVISION:

| | | |
|-------------------------|-----------------------------|------------------------|
| Russell Coltson | | Director |
| Robert Coleman | | Assistant Director |
| Oscar Boyea | | Sanitarian |
| Owen Birchman | (Employed 8/13/56) | Sanitarian |
| Gilbert W. Caswell | (Resigned 7/21/56) | Sanitarian |
| Henry Costantino | | Sanitarian |
| Charles Fuller | | Sanitarian |
| Melvin Goldman | | Sanitarian |
| Edward O'Rourke | | Sanitarian |
| James Scott | | Sanitarian |
| Theodore Barr, D. V. M. | | Meat & Milk Supervisor |
| Max Gordon, D. V. M. | | Meat & Milk Inspector |
| Lyle Moffitt, D. V. M. | (Educational Leave 9/24/56) | Meat & Milk Inspector |
| Hugh Wilson, D. V. M. | | Meat & Milk Inspector |

LABORATORY DIVISION:

| | | |
|-----------------|--------------------|-----------------------------|
| Max Jarvis | (Resigned 11/5/55) | Senior Medical Technologist |
| Paul Thivierge | | Senior Medical Technologist |
| Mary E. Joy | (Employed 4/2/56) | Senior Medical Technologist |
| Evelyn Sawyer | | Asst. Laboratory Technician |
| Margaret Threet | | Asst. Laboratory Technician |
| Flora Ardelan | | Laboratory Helper |
| Thomas Sawyer | | Deliveryman |

ADMINISTRATIVE DIVISION:

| | | |
|-----------------|--------------------|--------------------------|
| Mary Rood | | Administrative Assistant |
| Mary Ardelan | (Resigned 3/10/56) | Statistics Clerk |
| Barbara Lockard | | Clerk III |
| Phyllis Hoadley | | Clerk III |

Administrative Division (continued)

| | | |
|----------------------|--|------------------|
| Priscilla Taylor | (Resigned 8/18/56) | Clerk III |
| Carolyn Anderson | | Steno II |
| Yvonne Anger | | Steno II |
| Gladys Ardelan | (Resigned 9/6/55) | Steno II |
| Anita Bommarito | | Steno II |
| Deloris Christian | (Employed 5/12/56) | Steno II |
| Lola Lesnew | (Resigned 8/26/55) | Steno II |
| Elizabeth Ayris | (Employed 2/6/56) | Steno I |
| Janet Dillon | (Employed 1/30/56 - Resigned 9/7/56) | Steno I |
| Betty Dunaway | (Resigned 5/4/55) | Steno I |
| Louise Grinnell | (Employed 6/11/56) | Steno I |
| Delores Johnson | (Employed 1/3/55 - Resigned 5/26/56) | Steno I |
| Nancy McDaniel | (Employed 9/7/55 - Resigned 1/28/56) | Steno I |
| Betty Newbound | (Resigned 2/25/55) | Steno I |
| Nancy Ruselvan | (Employed 9/22/55) | Steno I |
| Marlene Scott | (Employed 6/23/55 - Resigned 6/23/56) | Steno I |
| Marjorie Stover | (Employed 4/2/56) | Steno I |
| Patricia Winterstein | (Employed 10/29/56) | Steno I |
| Sheila Burrows | (Employed 4/18/56 - Resigned 9/29/56) | Typist I |
| Elsie Beltz | (Employed 9/11/56) | Typist I |
| Ellen Comiskey | (Employed 9/17/56) | Typist I |
| Shirley DeConinck | (Employed 9/11/56) | Typist I |
| Ruby Jessee | (Employed 6/23/55 - Resigned 8/25/56) | Typist I |
| Clara Bodenbach | (Employed 7/25/56) | PBX-Receptionist |
| Ernestine Kline | (Employed 3/19/56) | PBX-Receptionist |

OTHERS:

| | | |
|----------------------|---|------------------|
| Harry Allaway | (Employed 4/18/55) | Custodial Worker |
| Walter Furneaux | (Resigned 4/8/55) | Custodial Worker |
| William Garling | (Employed 7/30/56) | Custodial Worker |
| Theodore R. Hardiman | (Employed 7/30/56) | Custodial Worker |
| Reuben Travis | (Employed 3/5/56 - Resigned 9/10/56) | Custodial Worker |



2008/05 INV

1955-56 ANNUAL REPORT

OAKLAND COUNTY DEPARTMENT OF HEALTH

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