

OAKLAND COUNTY
DEPARTMENT OF HEALTH

Accent On Change

ANNUAL REPORT
1962

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1962

OAKLAND COUNTY DEPARTMENT OF HEALTH

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DIRECTOR
COUNTY MEDICAL EXAMINER

1200 NORTH TELEGRAPH ROAD
PONTIAC, MICHIGAN

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Property of
OAKLAND COUNTY
PLANNING COMMISSION
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PONTIAC, MICHIGAN

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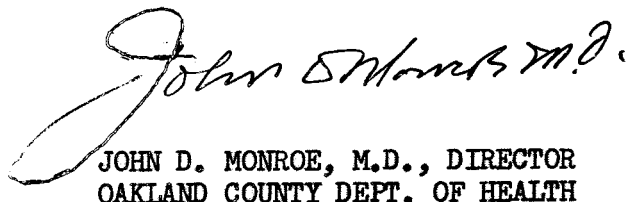
Dear Friends:

In 1922, I received the death certificate of a two year old Mexican boy. He had died from malnutrition -- (starvation!). This was but one instance of the tragedy and human suffering which occurred in those days. Smallpox, diphtheria, typhoid and many other dreadful diseases killed hundreds of our people each year. Because of a strong desire to do what I could to change these conditions, I decided to become a Public Health Physician.

By 1926, you, the people of Oakland County, had decided to establish the Oakland County Department of Health. Its purpose was, and still is, to prevent disease and to promote the highest possible level of health among our citizens. During the next 36 years, a vast improvement in the health and welfare of our people took place: smallpox, typhoid and diphtheria were almost eradicated; whooping cough, polio and the dysenteries were brought under control; maternal deaths were drastically reduced; infant deaths were cut by one-half; everyday sanitation and personal hygiene standards were markedly raised; and medical care and treatments improved beyond our wildest dreams. This success story was made possible through the cooperation and hard work of many people from all walks of life. But, most of all, these changes came about because you were willing to accept and to use new scientific knowledge and skills.

Today, we live on the threshold of even greater discoveries. Yet no one knows for sure how much we will benefit from this new knowledge. The success of each new discovery, will depend on your willingness to accept it and to use it.

This annual report is the story of today's health concerns and health problems in Oakland County. It is also the story of changes which we must bring about if we are to reach our goal -- maximum health and happiness. When you have accepted and put into practice these necessary changes, we will be ready for the discoveries of tomorrow.


JOHN D. MONROE, M. D., DIRECTOR
OAKLAND COUNTY DEPT. OF HEALTH

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Michigan Heart Association
Robert Coleman, Health Department

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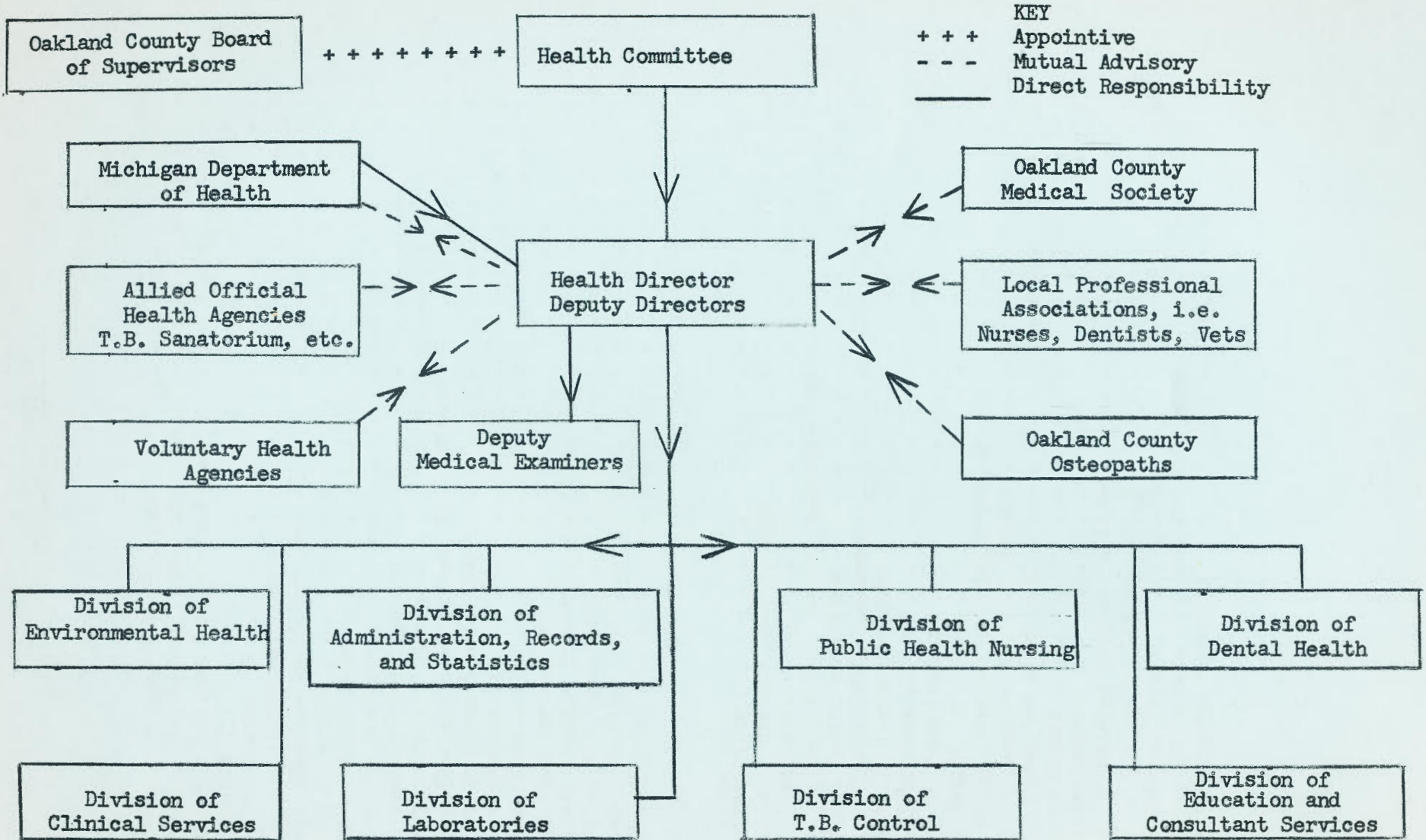


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WHAT IS THE COST OF HEALTH DEPARTMENT PROGRAMS ?

EVERY HEALTH PROBLEM DESCRIBED IN THIS REPORT IS A PART OF YOUR LIVING EXPERIENCE. EACH PROGRAM DESIGNED AND IMPLEMENTED TO ATTACK THESE PROBLEMS IS MADE POSSIBLE BY YOUR CONTRIBUTION THROUGH TAX DOLLARS. THE SCOPE OF THESE PROGRAMS IN BOTH QUANTITY AND QUALITY IS LARGELY DETERMINED BY THE AMOUNT OF MONEY AVAILABLE. IN 1961 THESE MONIES WERE BUDGETED FOR HEALTH DEPARTMENT PROGRAMS.

<u>Sources of Money</u>	<u>Amount</u>	<u>Per Capita</u>
Federal	\$ 71,868.00	.10
State	5,000.00	.01
Local	930,306.00	1.30
Other	<u>126,008.00</u>	<u>.17</u>
	\$1,133,182.00	1.58

A LITTLE MORE THAN \$1.58 FOR EACH CITIZEN OF OAKLAND COUNTY. THE NEXT TIME YOU DINE OUT YOU WILL MOST LIKELY SPEND MORE FOR YOUR MEAL.

OAKLAND COUNTY'S HEALTH

1960 - 1962

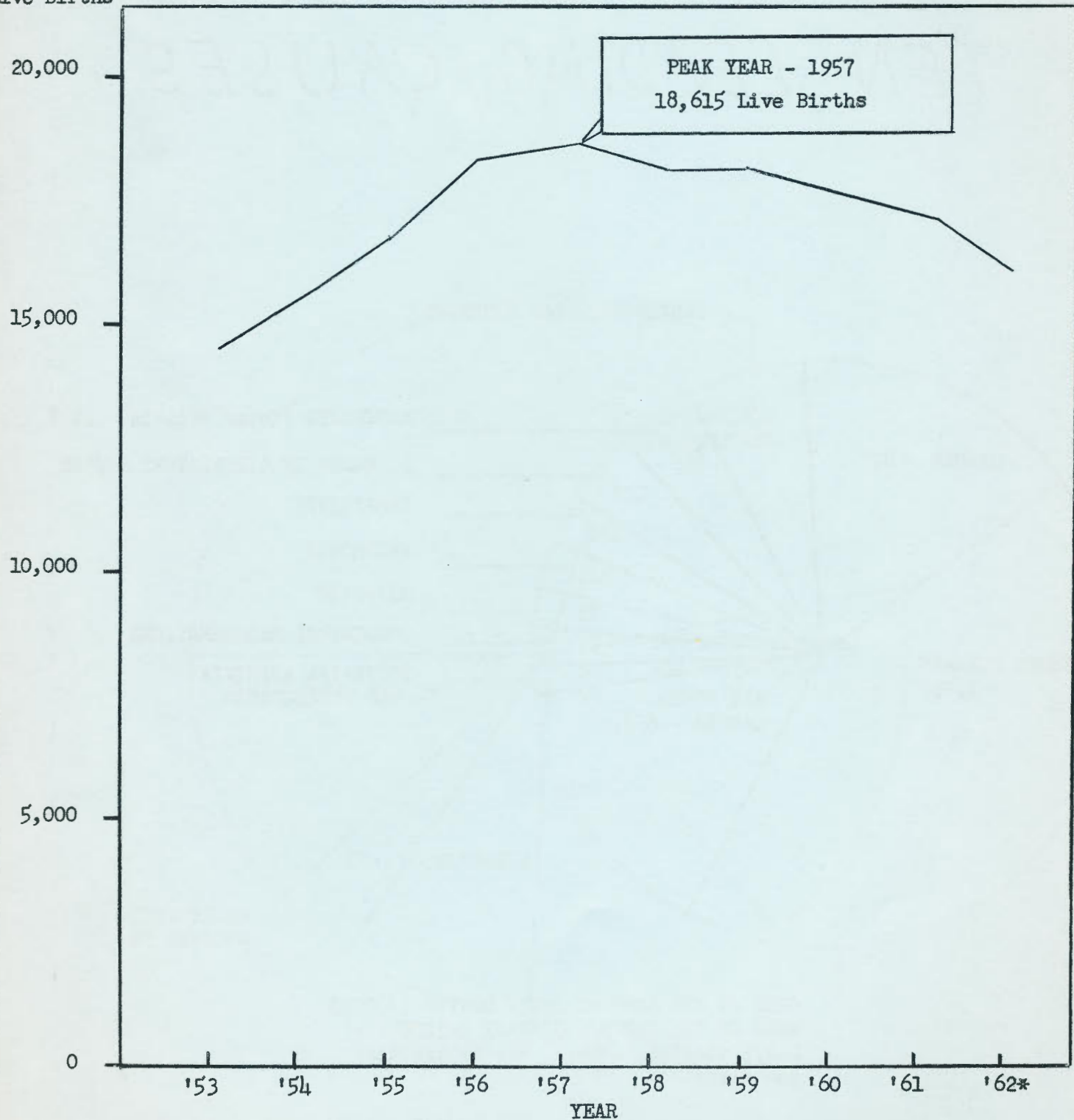
POPULATION	'60 - 690,259 '62 - 718,000	4%	INCREASE
LIVE BIRTHS	'60 - 17,747 '62 - 16,091	9.3%	DECREASE
DEATH RATE	'60 - 6.1 '62 - 6.2		NO SIGNIFICANT CHANGE
INFANT DEATH RATE	'60 - 19.9 '62 - 22.6	13.6%	INCREASE
ILLEGITIMATE BIRTH RATE	'60 - 26.5 '62 - 32.1	21%	INCREASE
VENEREAL DISEASE	'60 - (532 Cases) '62 - (670 Cases)	25.9%	ALARMING INCREASE

(Death rate per 1,000 estimated population, illegitimate birth rate and infant death rate per 1,000 live births.)

LIVE BIRTHS

OAKLAND COUNTY, 1953-1962

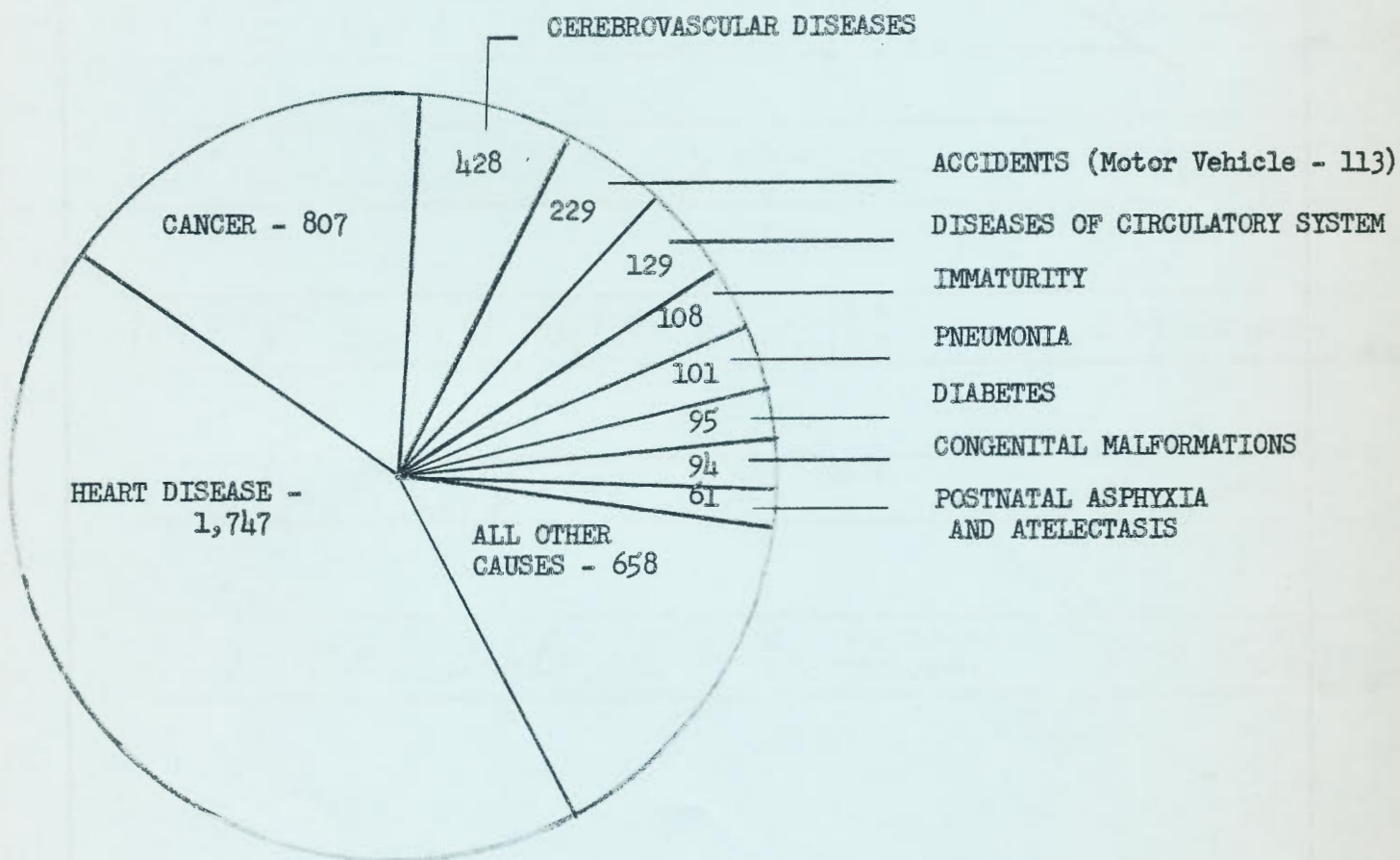
Thousands of
Live Births



* 16,091 live births in 1962

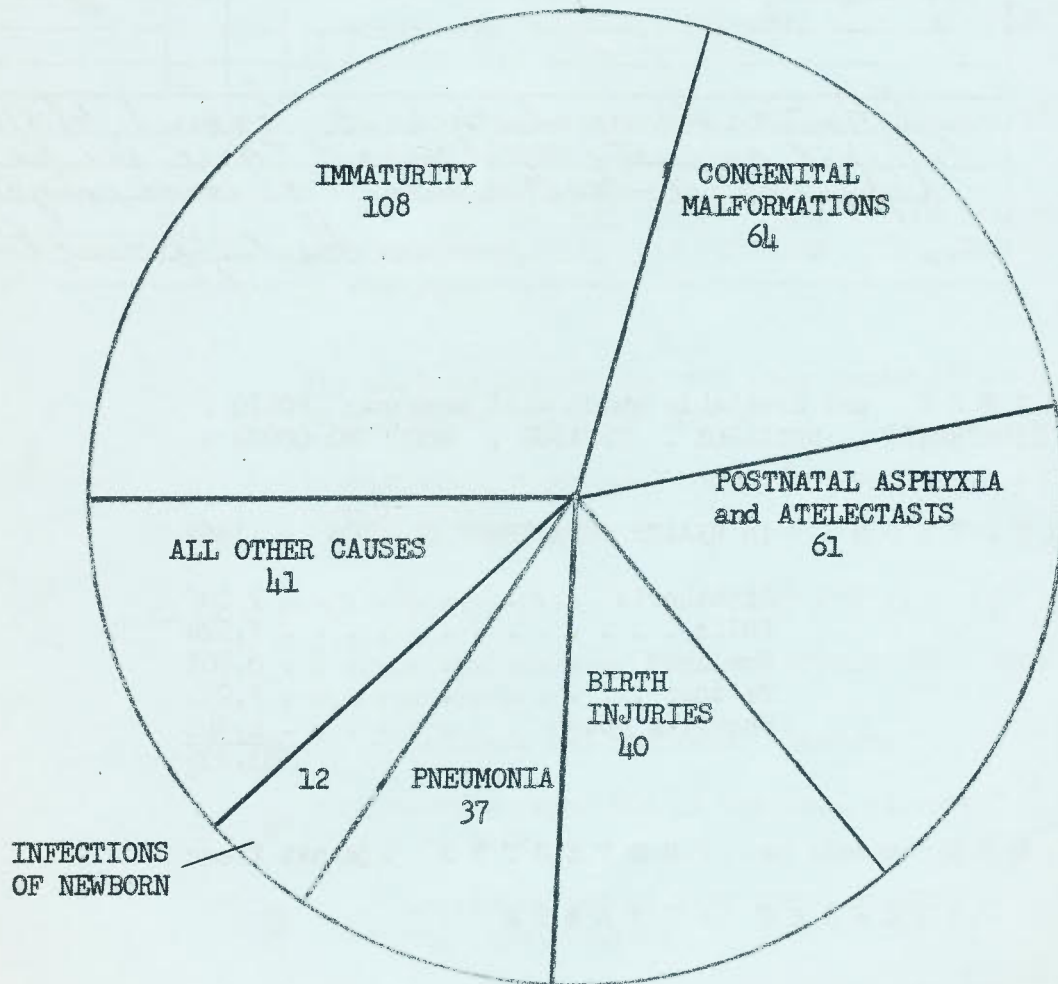
4457 DEATHS

- TEN LEADING CAUSES



OVER 69 PER CENT OF THESE DEATHS (3,077) WERE OF THE CHRONIC DISEASE CATEGORY - heart disease, cancer, cerebrovascular and diabetes.

363 INFANTS DIED BEFORE ONE YEAR OF AGE IN 1962



DISTRIBUTION OF 363 INFANT
DEATHS BY CAUSE, OAKLAND COUNTY, 1962

COMBATING PREVENTABLE DISEASES

...
 a needless death
 similar to this
 one occurred in
 Oakland County
 last year.
 ...

COMMUNICABLE DISEASE REPORT
 OAKLAND COUNTY DEPARTMENT OF HEALTH

Name Robert White Date 6/15/62 No. _____

Address 427 Long Drive, Pontiac Age 13 Sex M Color W

Village _____ R.F.D. or Street No. _____

Reported by Dr. Casey Disease Tetanus

School Eastern Jr. High Grade 7 Last Day in School 6/8 Date of Onset 6/11 Date Adm. to Hospital 6/12/62

	NAME	SEX	AGE	SCHOOL	GRADE
FATHER:	<u>Benjamin</u>	<u>M</u>	<u>42</u>		
MOTHER:	<u>Mildred</u>	<u>F</u>	<u>37</u>		
CHILDREN:	<u>Mary</u>	<u>F</u>	<u>14</u>	<u>Eastern Jr. Hi</u>	<u>9</u>
	<u>Linda</u>	<u>F</u>	<u>10</u>	<u>Longfellow</u>	<u>5</u>
	<u>Larry</u>	<u>M</u>	<u>5</u>	<u>Jobyfellow</u>	<u>1</u>

REMARKS Pontiac General Hospital, Expired 6/18/62
(stepped on rusty nail about three weeks
before onset - no treatment + no immunization)

CD 301 INVESTIGATOR Shirley Jones, P.N.

V A C C I N E S are available which will prevent: POLIO .
 DIPHTHERIA . SMALLPOX . TETANUS . WHOOPING COUGH .

I M M U N I Z A T I O N S in HEALTH DEPARTMENT CLINICS - 1962

Diphtheria	7,209
Polio	7,524
Smallpox	6,902
Tetanus	7,254
Whooping Cough	4,346
	<u>33,235</u>

E V E R Y O N E should be P R O T E C T E D against these
 D R E A D E D D I S E A S E S .

VENEREAL DISEASES UP 28 PER CENT IN 1962

- REPORTED CASES OF VENEREAL DISEASE IN OAKLAND COUNTY INCREASED BY 28 PER CENT OVER 1961.
- 670 CASES OF VENEREAL DISEASE WERE REPORTED LAST YEAR IN COMPARISON WITH 520 CASES IN 1961.
- SYPHILIS INCREASED 59 PER CENT WITH 190 CASES AS AGAINST 119 CASES IN 1961.
- GONORRHEA CASES REPORTED CLIMBED FROM 401 IN 1961 TO 480 CASES.
- 22 PER CENT OF THE CASES TREATED IN HEALTH DEPARTMENT CLINICS ARE BETWEEN THE AGES OF 10 AND 20.

WHY ?

The postwar letdown and the easy penicillin cure have made us relax our guard.

Promiscuity, especially among teenagers, is more common today.

HOW can we prevent venereal disease ?

A successful venereal disease program must have these essentials:

- ▶ An aroused and informed citizenry.
- ▶ Adequate reporting of venereal disease by doctors.
- ▶ Painstaking police work aimed at eliminating prostitution.
- ▶ A vigorous program by official agencies - including diagnosis, treatment, casefinding and followup.
- ▶ Education for the prevention of venereal disease.

FIGHTING TB IN 1962

119 active cases found

112 inactive cases found

active cases found dropped
9.8 per cent over 1961.

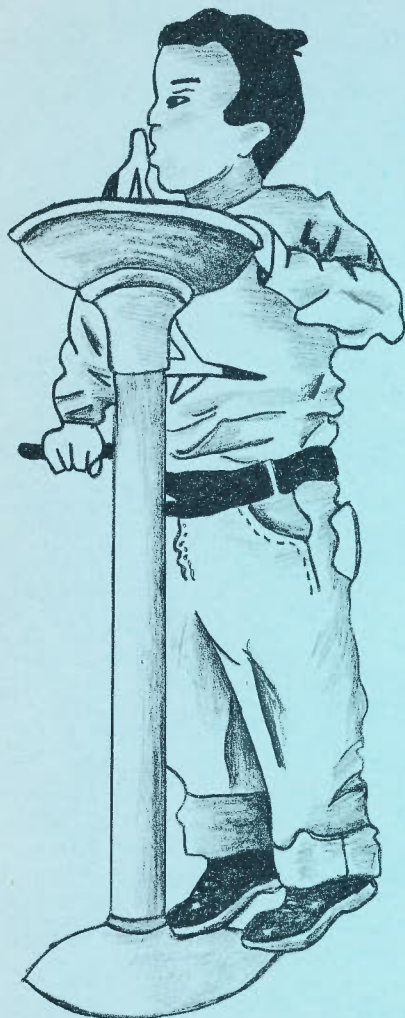
BUT ?

363 positive reactors were found in the tuberculin skin testing program during the school year 1961-62. These positive reactors represent the reservoir of tuberculosis infection in Oakland County.

WHAT was done in 1962 to bring about CHANGE?

- ▶ 71,246 x-rays were taken by hospitals, industries, clinics, etc. during 1962.
- ▶ 52,256 tuberculin skin tests were given to school children in the 1961-62 school year.
- ▶ 1,374 treatments were given to 412 post-sanatorium patients in 1962.
- ▶ educational programs with school children and adults.

DRINK AWAY TOOTH DECAY



THE AVERAGE AMERICAN HAS LOST HALF HIS TEETH BY THE TIME HE IS 40 AND 22 MILLION PEOPLE IN THIS COUNTY HAVE LOST ALL THEIR TEETH.

-- U. S. PUBLIC HEALTH SERVICE

We estimate that at least 55,000 children in Oakland County are dentally indigent.

Dental Clinic facilities and staff at the Health Department can serve less than 15 per cent of these children.

WHAT was done in 1962 to bring about CHANGE?

6,939 children received dental services at Health Department Clinics. 2,859 children had their present dental needs completed -- this is 33.8 per cent more than in 1961.

29,183 children were treated with sodium fluoride applications in school supported programs.

dental health education programs are an integral part of most school curriculums.

WHAT knowledge is available that would help?

More than half of all tooth decay is now preventable. By drinking water which contains about one part of fluoride per million parts of water, children can get lifetime protection against tooth decay. They will have only a third as many cavities as children who drink unfluoridated water.

CHANGING THE ENVIRONMENT

"The task of ... public health ... is to assure necessary favorable conditions and to prevent or minimize the unfavorable. The air we breathe, the water we drink, the food we eat, the light by which we see, the people with whom we come in contact--in fact any of the conditions of competitive life under which we live--all are a part of our environment. And just as long and broad as you can conceive environment to be, just that long and broad is the field of public health."

-- C. A. Holmquist and A. F. Dappert

Bringing about changes in the environment requires education, patience, and many hours of work. Often the most trifling nuisances can take up much of a sanitarians time--time that should be spent on inspections, counseling and education. Solutions to the more important problems, such as sewage disposal and water pollution, come about through long range programs of education. But some people are not ready to accept change, especially any change which intrudes on their liberties, and they resist it. Unfortunately, for the good of all, the Health Department must then enforce existing codes and ordinances. Enforcement is used as a last recourse, when the educational approach has failed.

SANITARIANS use:

EDUCATION

INSPECTIONS

SAMPLING and TESTS

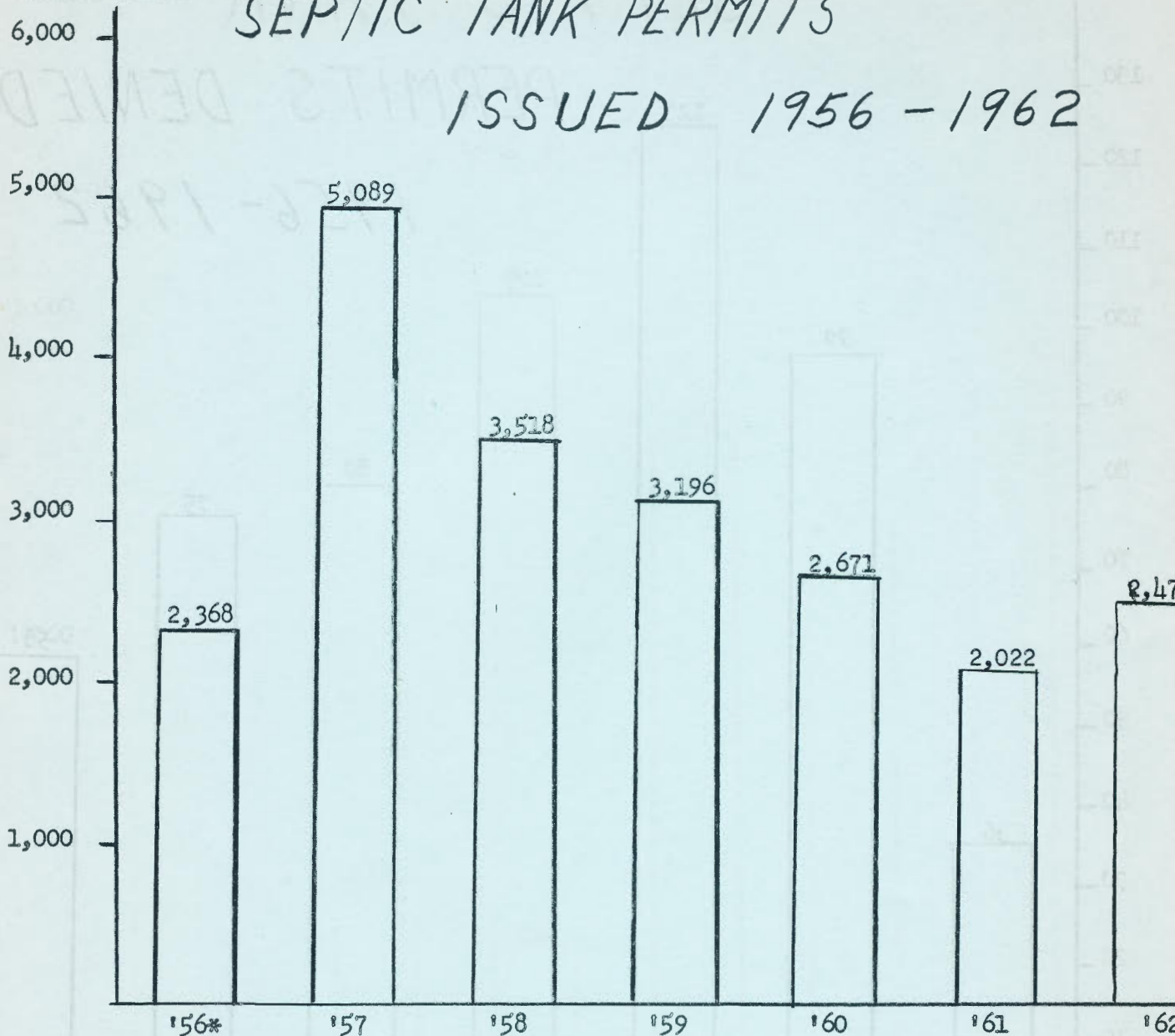
COUNSELING

to bring about CHANGE.

THOUSANDS OF
PERMITS ISSUED

SEPTIC TANK PERMITS

ISSUED 1956 - 1962



* OAKLAND COUNTY SANITARY CODE WAS ADOPTED IN SEPTEMBER OF 1956

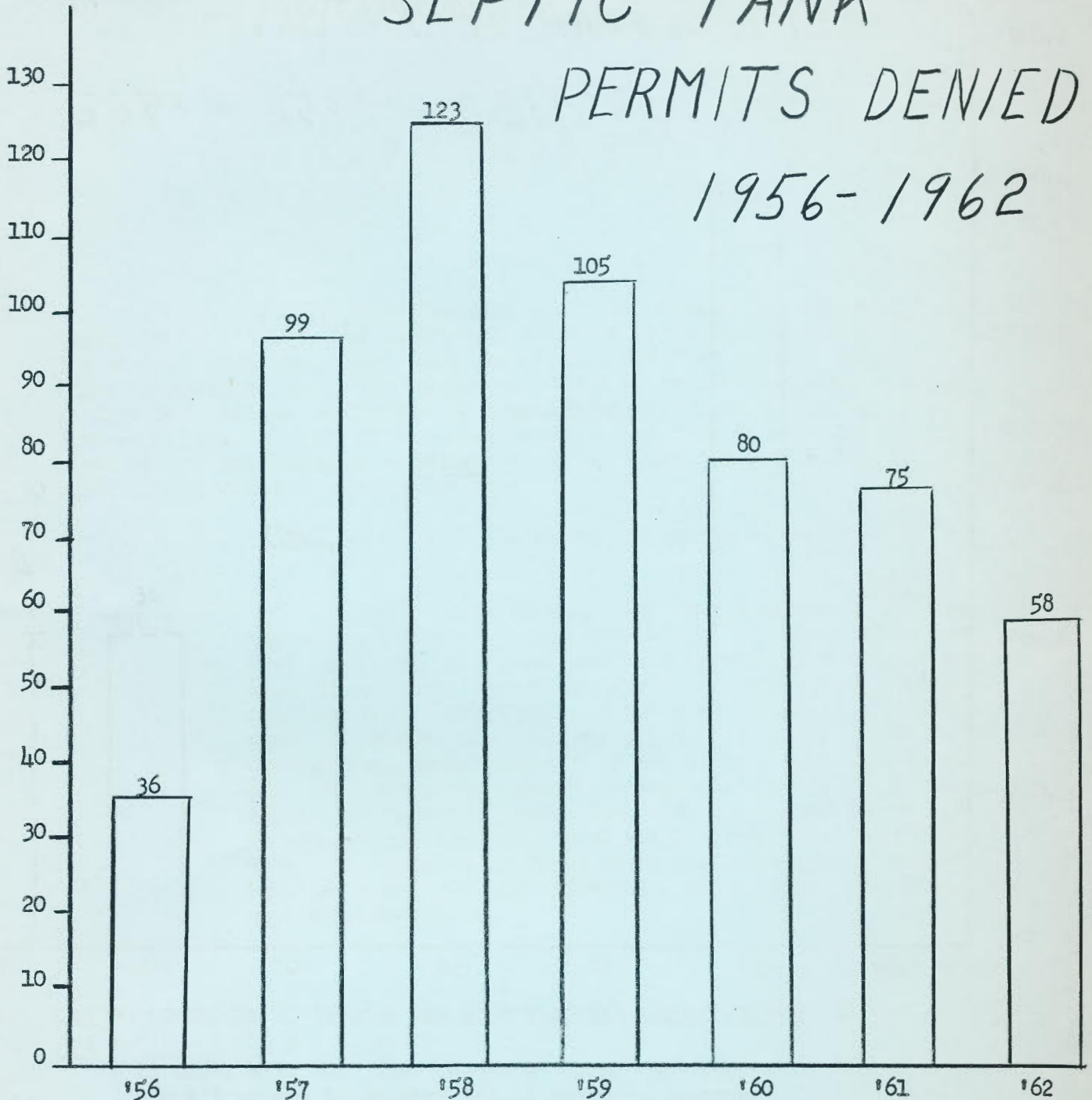
At the very best, a septic tank and tile field is a temporary solution to the problem of sewage disposal. Most all systems of this type will eventually malfunction. Soil conditions, size of the system and the amount of wastes put into the system are the controlling factors. Fortunately, municipal sewage systems have greatly increased in Oakland County during the past ten years.

NUMBER OF
PERMITS DENIED

SEPTIC TANK

PERMITS DENIED

1956-1962



A decline in septic tank permits issued and permits denied since 1957 has come about for three reasons:

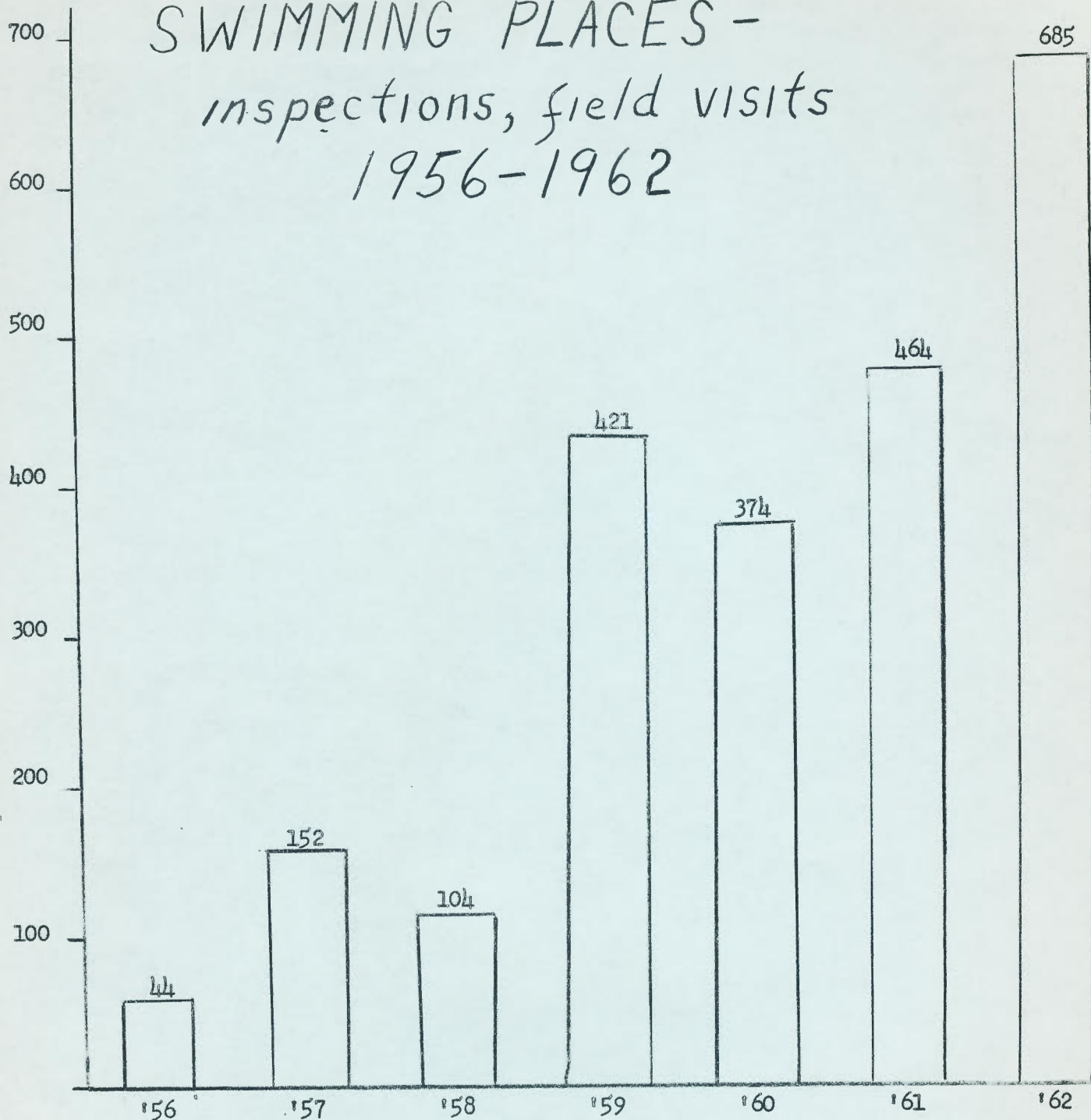
--- an increase in municipal sewer systems.

--- a decrease in new homes constructed -- especially since 1961

--- builders no longer request permits for those areas where soil conditions are unfavorable for septic tank installation.

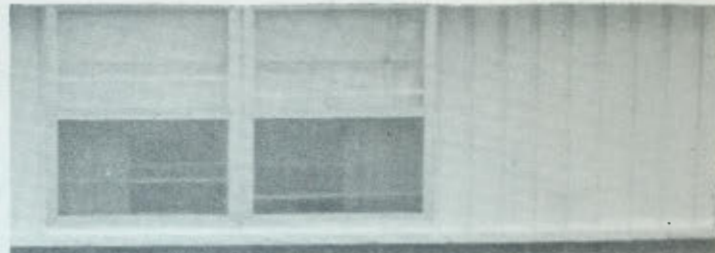
SWIMMING PLACES - inspections, field visits 1956-1962

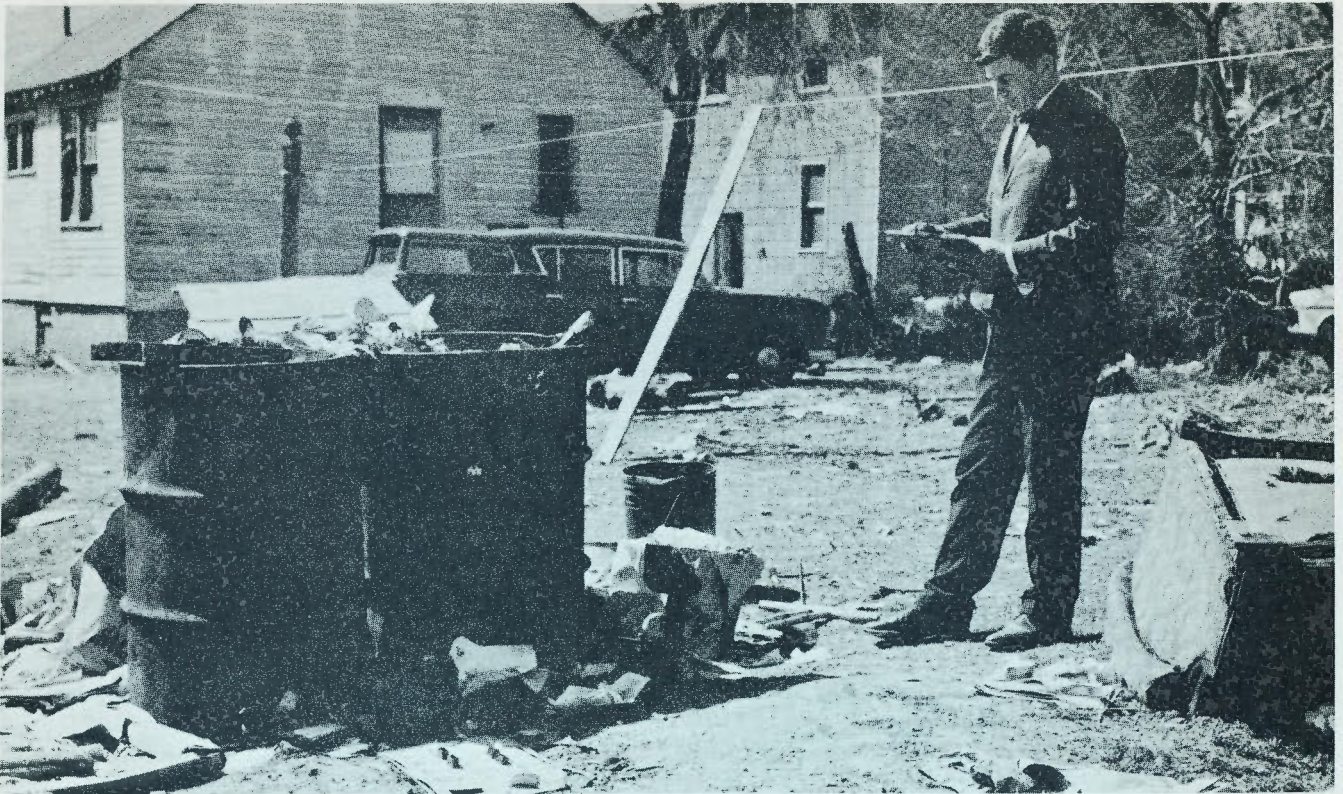
HUNDREDS OF INSPECTIONS, FIELD VISITS



The sanitation of bathing places is dictated by health and aesthetic reasons. Few people would knowingly swim in polluted water. People are demanding more and cleaner beaches and pools, and a camp, motel, club, school or resort without a pool or beach is not nearly as popular as one that has this facility. Each year more public swimming places are opened in Oakland County, and the Health Department is increasing its work to assure everyone of a clean and safe place to swim.

When a septic tank malfunctions, both nuisances and hazards to health are created. Sewage from this home is draining into a roadside ditch, which adjoins a public school. In some instances, corrections can be ordered by the Health Department. The need for sanitary sewers is most urgent and would permanently eliminate these odoriferous sources of filth.





Problems in relation to the proper storage, handling, and ultimate disposal of trash and refuse by home owners and occupants are time-consuming in their demands upon the Sanitarian. Community apathy towards this sort of thing inevitably results in blighted areas, environmental health hazards, and other socio-economic problems.



Some times it is difficult to convince people that the open, uncovered garbage can, filled to overflowing, can be hazardous to health because of the breeding of flies and the attraction to rodents, which such an insanitary condition makes possible.



The investigation of nuisances can be a time-consuming activity of the Sanitarian. State law requires the burial of dead animals under four feet of soil. In this instance, the numbered tag was removed by the Sanitarian from the dead steer's neck, thereby revealing the owner's identity, who upon notification by the Sanitarian, immediately removed the animal from the creek for proper burial as required.

Rats are carriers of disease germs, fleas, lice, mites and intestinal parasites. They thrive especially well among litter and debris that contains scraps of food. The Sanitarian in this picture is putting rat poison (not harmful to the dogs) into a rat burrow.



the goal of EDUCATION is
CHANGE of
INFORMATION
ATTITUDES
BEHAVIOR

"EDUCATION does not mean teaching people to know what they do not know ...
it means teaching them to BEHAVE as they do not BEHAVE."

-- John Ruskin

SELECTED STATISTICS

Orientation conferences	156
Workshops and Conferences (sessions).	44
Inservice Education sessions.	16
Conferences with trainees	119
News releases to radio, newspapers and house organs	124
Distribution	848
Films and filmstrips.	1,669
Showings	3,733
Attendance	161,937
Exhibits showings	162
Talks	1,431
Attendance	50,783
Pamphlet distribution	390,000

"CHANGE OF BEHAVIOR TAKES PLACE WHEN AN INDIVIDUAL SUBSTITUTES A SCIENTIFICALLY
MORE EFFECTIVE HEALTH PRACTICE FOR ANOTHER ONE, OR WHEN AN INDIVIDUAL TAKES
ACTION WHICH LEADS TO MORE EFFECTIVE HEALTH PRACTICE."

-- William Griffiths
University of California

GROUP INSTRUCTION

"...forces engendered within groups are potent determiners not simply of morals but of productivity and these forces operate whether the production goal is international understanding, individual learning, factory output, or family cohesiveness."

--Leland P. Bradford

CLASSES FOR EXPECTANT PARENTS

Groups meeting	10
Class sessions	80
Class registration	248

CLASSES FOR PARENTS OF INFANTS AND PRESCHOOL CHILDREN

Groups meeting	73
Class sessions	77
Class registration	1,755

CLASSES FOR FOODHANDLERS

Groups meeting	9
Class sessions	16
Class attendance	312

CLASSES FOR DIABETICS

Groups meeting	5
Class sessions	25
Class registration	58

CHANGE IN BEHAVIOR IS THE PERMEATING GOAL OF THE EDUCATIONAL APPROACH.

PLANTING SEEDS

- that will nurture the spark of learning

Children are curious to learn more about the countless mysteries of their bodies and the universe. Capitalizing on this fact, the Health Department has designed its health programs for the school age child to keep alive and glowing the spark for learning which children possess. We work closely with school administrators, teachers and parent groups to integrate health teaching into the school curriculum.



THE HOPE OF TOMORROW RESTS WITH THE PREPAREDNESS OF THE NEXT GENERATION TO LIVE IN HARMONY WITH THEIR READINESS TO FACE THE CHALLENGES OF THE UNKNOWN ENVIRONMENTS OF SPACE.

GROWING UP PROGRAMS

- parent education
- education for parenthood

Our concept of health is a broad one and includes social, emotional, as well as, physical aspects. We hope our young people can enter the adult community with sound understandings of how the human organism grows, develops and functions. This implies a knowledge of how health is maintained and improved through the establishment of healthful habits of daily living; and appreciation and understanding of their own personality and the personality of others; an ability to manage their own personal problems and a skill in getting along with other people; an identification with their own sex; and a sense of responsibility for themselves and others. We hope they will value their own health and protect it, that they will be well equipped to shoulder the responsibilities of family life and parenthood, and have an understanding and willingness to participate in the solution of community health problems.

We believe that all society is concerned with this accomplishment and that these goals are shared by educators, parents, church leaders and physicians.

<u>"GROWING UP"</u> <u>PROGRAMS</u>	<u>Year</u>	<u>Total Programs</u>	<u>Total Attendance</u>
	1960	98	7,996
	1961	259	13,006
	1962	687	25,515

VENEREAL DISEASE EDUCATION

The venereal disease educational program in Oakland County has expanded from a total of seven programs in 1961 to 169 programs - in 1962. Attendance in 1962 as follows:

<u>GRADES</u>	<u>TOTAL</u>	<u>BOYS</u>	<u>GIRLS</u>	<u>ADULTS</u>
9 thru 12	8,004	3,557	3,616	831

Of these 169 programs, 154 have been held in the classrooms, with classroom teachers conducting 92 sessions; counselors conducting 11 sessions; private physicians 5 and public health personnel, 35. Classroom teachers who have carried this program have included it in courses in biology, home and family living, social studies, physical education, hygiene, home economics and history.

Public Health personnel have concentrated their activities in (1) inservice education of teachers; (2) conducting programs with PTSO groups (high school PTA). These groups are invariably small but influential.

PREVENTION THRU KNOWLEDGE

Forty-two groups of school children (1298 children) visited the Health Department in 1962 for work sessions like those shown here.



"A heart goes thump and thud," said one girl, "I thought it went thump, thump, thump."

What is meant by blood pressure?

These questions and many others about the human body are answered at work tables like this one.

"My gosh! Do our lungs look like that?" These fifth grade children are learning about their respiratory system by working with pig lungs.



"You huff and puff and blow hard. Then the spirometer will measure your lung capacity."

OBSERVE! DESCRIBE! EXPLORE!

The leaders of tomorrow will be those people who have mastered the skills of observation and description. They will accurately describe what they perceive. And they will continuously seek new horizons to explore. Most of all, they will possess a spark for learning that ever glows.

Someone has said, "How can children learn if they don't ask questions?" Sometimes we are frightened by our inability to provide good answers, but the questions point up a natural curiosity and desire of children to learn. Our job is to find ways to use this spark to advantage in the educational process. We must fan this spark until it becomes a glowing ember that will never die. To this task, the educational program of the Health Department is dedicated.



"It gets kind of messy but it sure is keen. I got so interested I forgot to be scared." Heart dissection is the favorite work activity of many children.

SERVICES TO INDIVIDUALS

In the aforesaid pages you have read about changes which are needed and Health Department programs designed to bring about desirable changes. You should also know about some other programs which place particular emphasis on the person to person contact. Most of these services are performed by our public health nurses and sanitarians.

<u>Other Services</u>	<u>Individuals Served</u>
Maternal and Child Health	
maternity	1,303
infants	1,467
children - age 1-4	1,984
School Age Children	12,753
Communicable Disease	1,151
Tuberculosis	2,644
Chronic Disease	
orthopedic	772
cancer	84
cardio-vascular	344
diabetes	189
Mental Illness	77
Mental Retardation	229
Private Water Supplies	509
Private Sewage Disposal Systems	2,789
Insect and Rodent Control	468
Food and Food Processing	4,452
Hearing - children screened	28,779
Vision - children screened	68,910
Laboratory Examinations	82,787
School Health	
Visits to schools	9,747
Conferences with individual school personnel	12,957

PERSON TO PERSON OR DIRECT CONTACT IS POTENTIALLY THE MOST EFFECTIVE OF ALL EDUCATIONAL OPPORTUNITIES.

PART II

VITAL STATISTICS

THIS SECTION WILL BE HELPFUL TO

THOSE WHO WISH A MORE DETAILED

ACCOUNTING OF HEALTH DEPARTMENT

ACTIVITIES AND SERVICES.

ESTIMATED CENSUS* - OAKLAND COUNTY - 1962

OAKLAND COUNTY	718,000		
Addison Township	1,830	Northville City (Part)	1,100
Leonard Village	390	Novi Township	6,600
Avon Township	22,830	Novi Village	6,510
Rochester Village	5,580	Oakland Township	2,650
Berkley City	23,450	Oak Park City	37,200
Birmingham City	26,500	Orion Township	12,300
Bloomfield Township	26,000	Lake Orion Village	2,750
Bloomfield Hills City	2,500	Oxford Township	5,900
Brandon Township	3,300	Oxford Village	2,375
Ortonville Village	780	Pleasant Ridge City	3,850
Clawson City	15,150	Pontiac City	83,500
Commerce Township	12,800	Pontiac Township	9,650
Wolverine Lake Village	2,480	Lake Angelus (Part)	235
Farmington City	7,700	Rose Township	1,530
Farmington Township	29,000	Royal Oak City	82,800
Quakertown Village	500	Royal Oak Township	6,060
Wood Creek Farms Village	700	Southfield City	35,000
Ferndale City	31,530	Southfield Township	12,000
Groveland Township	1,350	Beverly Hills Village	3,900
Hazel Park City	26,000	Bingham Farms Village	485
Highland Township	5,250	Franklin Village	2,500
Holly Township	5,800	South Lyon City	1,840
Holly Village (Part)	3,360	Springfield Township	2,750
Huntington Woods City	8,900	Sylvan Lake City	2,100
Independence Township	11,400	Troy City	20,500
Clarkston Village	890	Walled Lake City	3,610
Keego Harbor City	2,800	Waterford Township	49,100
Lathrup Village City	3,700	West Bloomfield Township	16,500
Lyon Township	3,100	Orchard Lake Village	1,150
Madison Heights City	34,000	White Lake Township	9,000
Milford Township	6,000	Wixom City	1,570
Milford Village	4,365		

* ALL VILLAGES ARE INCLUDED IN TOWNSHIP TOTALS

1962 - 1963 SCHOOL ENROLLMENT
OAKLAND COUNTY, MICHIGAN

<u>GRADES</u>	<u>NUMBER OF PUPILS OAKLAND COUNTY</u>
Kindergarten	19,243
First	19,788
Second	19,086
Third	18,157
Fourth	17,600
Fifth	17,438
Sixth	16,487
Seventh	16,000
Eighth	15,100
Ninth	14,981
Tenth	14,253
Eleventh	11,170
Twelfth	8,664
Special Students	1,593
Post Graduates	12
<u>Total--Kindergarten thru 12th grade</u>	<u>209,572</u>
<u>Number of Teachers - 1962-1963</u>	<u>7,531</u>
<u>1962 Pre-School Census (Oakland County Complete)</u>	<u>86,466</u>

TOTAL BIRTHS, DEATHS, INFANT DEATHS, NEONATAL DEATHS
MATERNAL DEATHS AND RATES: OAKLAND COUNTY - 1962

(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	501	21.4	120	5.1	13	25.9	12	24.0	-	-
Beverly Hills	40	4.5	28	3.1	-	-	-	-	-	-
Birmingham	716	27.0	228	8.6	14	19.6	11	15.4	-	-
Clawson	379	25.0	83	5.5	6	15.8	3	7.9	-	-
Farmington	697	90.5	85	11.0	9	12.9	6	8.6	-	-
Ferndale	747	23.7	266	8.4	20	26.8	14	18.7	-	-
Hazel Park	622	23.9	160	6.2	12	19.3	9	14.5	1	1.6
Holly	134	39.9	38	11.3	2	14.9	-	-	-	-
Huntington Woods	97	10.9	48	5.4	2	20.6	2	20.6	-	-
Keego Harbor	62	22.1	33	11.8	3	48.4	2	32.3	-	-
Lake Orion	106	38.5	32	11.6	-	-	-	-	-	-
Lathrup Village	30	8.1	23	6.2	1	33.3	1	33.3	-	-
Madison Hts.	1,126	33.1	142	4.2	30	26.6	28	24.9	-	-
Milford	140	32.1	44	10.1	5	35.7	3	21.4	-	-
Northville (Part)	22	20.0	5	4.5	3	136.4	3	136.4	-	-
Novi	62	9.5	29	4.5	3	48.4	3	48.4	-	-

	<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>
Oak Park	691	18.6	162	4.4	11	15.9	9	13.0	-	-
Pleasant Ridge	43	11.2	43	11.2	-	-	-	-	-	-
Pontiac	2,326	27.9	710	8.5	68	29.2	49	21.1	3	1.3
Rochester	257	46.1	78	14.0	6	23.3	5	19.5	-	-
Royal Oak	1,947	22.3	474	5.7	36	19.5	31	16.8	-	-
Southfield	792	22.6	185	5.3	13	16.4	13	16.4	-	-
Troy	367	17.9	98	4.8	10	27.2	5	13.6	-	-
Walled Lake	208	57.6	39	10.8	3	14.4	3	14.4	-	-
Balance of County	4,079	23.7	1,304	7.6	93	22.8	71	17.4	-	-
TOTAL	16,091	22.4	4,457	6.2	363	22.6	283	17.6	4*	2.4**

* Maternal Death Causes

1 - Sepsis of pregnancy, childbirth, and the puerperium

3 - Other complication of pregnancy, childbirth and the puerperium. Delivery without mention of complication

** Rate per 10,000 live births

REPORTED Communicable
Diseases in Oakland County
in 1962

Area	Chickpox	Intestinal Infections Salmonella, Shigella, etc.	Encephalitis and Meningitis (all forms)	Hepatitis	Measles	Mumps	Pneumonia (all forms)
Berkley	245	1	1	5	43	215	1
Birmingham	347	0	-	4	137	53	3
Clawson	109	0	-	5	51	34	-
Farmington Area	333	0	7	22	267	160	2
Ferndale	181	3	-	2	79	40	-
Hazel Park	79	3	2	6	78	63	6
Huntington Woods	22	1	-	1	5	7	-
Madison Heights	46	3	2	9	51	9	2
Oak Park	144	1	2	17	147	84	2
Pleasant Ridge	16	0	1	1	24	3	-
Pontiac City	404	7	2	36	1,607	75	5
Rochester	5	1	-	2	150	-	-
Royal Oak	257	3	3	21	152	106	2
Royal Oak Township	0	2	1	1	2	5	-
Southfield Area	221	0	4	5	104	206	-
Troy	16	0	-	4	47	5	-
Eastern Townships	61	2	4	23	448	113	-
Northern Townships	2	0	-	24	98	6	-
Western Townships	70	0	1	7	142	65	1
Bloomfield and Bloomfield Hills	95	-	-	4	158	3	-
Commerce and West Bloomfield	74	-	1	22	256	15	-
Waterford	134	-	3	22	581	132	-
TOTALS	2,861	27	34	243	4,627	1,399	24

REPORTED Communicable
Diseases in Oakland County
in 1962

Area	Poliomyelitis	Rheumatic Fever	Rubella	Scarlet Fever	Tuberculosis		
					Inactive Cases	Active Cases	Whooping-Cough
Berkley	-	-	3	11	5	2	2
Birmingham	-	-	24	13	2	2	1
Clawson	-	-	4	16	2	2	1
Farmington Area	-	1	8	4	3	-	-
Ferndale	-	2	8	12	8	5	-
Hazel Park	-	1	1	17	8	6	-
Huntington Woods	-	-	-	-	2	2	-
Madison Heights	-	1	4	18	11	6	-
Oak Park	1	1	37	15	7	5	2
Pleasant Ridge	-	1	3	-	-	-	-
Pontiac City	2	8	1	23	18	27	28
Rochester	-	1	-	-	-	-	-
Royal Oak	-	2	10	48	12	11	-
Royal Oak Township	-	-	-	-	2	7	-
Southfield Area	-	1	4	22	7	5	1
Troy	-	1	-	8	2	1	-
Eastern Townships	-	9	4	16	6	10	9
Northern Townships	-	3	-	3	1	2	1
Western Townships	-	3	-	4	3	5	1
Bloomfield and Bloomfield Hills	1	-	-	6	3	5	-
Commerce and West Bloomfield	-	5	-	8	4	6	5
Waterford	-	3	3	18	5	7	14
TOTALS	4	43	114	262	111	116	65

TUBERCULOSIS DIVISION
ACTIVITY REPORT - 1962

<u>X-RAYS:</u>	<u>NUMBER</u>	<u>TOTAL</u>
Cases	1,616	
Contacts	681	
Suspects	1,193	
Survey Type	<u>14,617</u>	
TOTAL X-RAYS		18,107
Positive Cases Tuberculosis Reported	119	
Inactive Cases Tuberculosis Reported	<u>112</u>	
TOTAL NUMBER ACTIVE AND INACTIVE TUBERCULOSIS CASES REPORTED		231
Positive Cases Tuberculosis found in Health Department Clinics	26	
Inactive Cases Tuberculosis found in Health Department Clinics	73	
 <u>CLINIC SERVICES:</u>		
Tuberculin Tests	3,040	
Sputum Examinations	510	
Chemotherapy:		
Patients	412	
Treatments	1,374	
 <u>SPECIAL PROJECTS:</u>		
Tuberculin Tests - Southeastern Michigan Tuberculin Testing Projects		
for school children in Oakland County started September, 1961 to May, 1962	52,256	
for school personnel in Oakland County started September, 1961 to May 1962	<u>1,532</u>	53,788

VENEREAL DISEASE CONTROL

Reported cases of venereal diseases in Oakland County during 1962 increased 28% over 1961. The most alarming fact about this increase is that over 22% of such cases treated in Health Department clinics are under 21 years of age. Many infected persons try to treat themselves and all cases are not reported. In 1960, a National Task Force, made up of leading public health experts, was set up to study this problem. Their study revealed, among other things, an unwarranted apathy on the public's part toward venereal diseases. The ease with which these diseases can be treated with anti-biotics has allayed the fear venereal diseases held for many people in former years. Secondly, teenage VD has surged upward throughout most of the nation. The American Social Health Association estimates an annual VD infected population of teenagers in the United States of over 200,000. And more disturbing, only about 50,000 of these cases are reported; no one can say for sure how many of these cases go untreated. The essentials of a successful venereal disease control program include:

1. An aroused and informed citizenry.
2. Education for the prevention of venereal diseases.
3. A vigorous program by official agencies - including diagnosis, treatment, casefinding and follow-up.
4. Painstaking police work aimed at eliminating prostitution.

VENEREAL DISEASE CONTROL ACTIVITY - 1962

Total cases reported in Oakland County:

Gonorrhoea	480
Syphilis	190

Number cases treated in our clinics:

Gonorrhoea	114
Syphilis	37

Number treatments given in our clinics:

Gonorrhoea and Syphilis	202
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Darkfield Examinations:	13
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Contacts Investigated:

Gonorrhoea and Syphilis	109
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SUMMARY OF IMMUNIZATIONS COMPLETED
IN HEALTH DEPARTMENT CLINICS - 1962

Smallpox vaccinations - primary:

Under 1 year of age	1,068	
From 1 year thru 4 years of age	1,852	
5 years of age and older	<u>936</u>	
Total		3,856
 Revaccinations (all ages)		 3,046

Diphtheria immunizations:

Under 1 year of age	992	
From 1 year thru 4 years of age	1,401	
5 years of age and older	<u>535</u>	
Total		2,928
 Boosters (all ages)		 4,281

Poliomyelitis immunizations:

Under 1 year of age	516	
From 1 year thru 4 years of age	1,663	
5 years thru 14 years of age and pregnant women (all ages)	<u>882</u>	
Total		3,061
 Boosters (all ages)		 4,463

Tetanus immunizations:

Under 1 year of age	951	
From 1 year thru 4 years of age	1,394	
5 years of age and older	<u>513</u>	
Total		2,858
 Boosters (all ages)		 4,396

Whooping Cough immunizations:

Under 1 year of age	990	
From 1 year thru 4 years of age	1,395	
5 years of age and older	<u>93</u>	
Total		2,478
 Boosters (all ages)		 1,868

TOTAL SERVICES PROVIDED	33,235
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DENTAL HEALTH SERVICES - 1962

This report is divided into two parts: the first covering services rendered in our two dental clinics and the second covering services rendered by dental hygienists in the schools through the various sodium fluoride application programs, which are under the supervision of the Health Department.

Report of Dental Clinics

SERVICES:

Total Examinations		6,939
Examination of new patients	3,717	
Examination of old patients	<u>3,222</u>	
Total Number of Clinic Visits	11,917*	
Recurrent Visits	4,978*	
Cases Completed	2,859*	
Extractions		3,914
Primary Teeth	2,832	
Permanent Teeth	<u>1,082</u>	
Local Anesthetic Used		8,937
Total Number of Fillings		13,065
Silver Amalgam	11,748	
Synthetic Porcelain	915	
Cement	149	
Acrylic Restorations	<u>253</u>	
Pulp Cappings		1,131
Cement Bases		10,089
Gingivitis Treatments		13
Prophylaxis		3,725
Fluoride Applications		3,146
Miscellaneous Operations		344
Root Canal Treatments		69
Space Maintainers		70
Root Canal Filled		42
X-Rays		<u>264</u>
	TOTAL NUMBER OF SERVICES	51,748

Report of Sodium Fluoride Application Programs

Number of Programs	27
Number of Hygienists Operating in these Programs	20
Number of Children Treated	29,183

Work of the dental hygienists included a well organized dental health education program, which is coordinated with our other health education activities.

* Not included in total number of services

DIVISION OF ENVIRONMENTAL HEALTH

SUMMARY OF ACTIVITIES - 1962

<u>INSPECTIONS AND FIELD VISITS:</u>	<u>1962</u>
Restaurants, taverns, etc.	2,506
Grocery stores, markets	1,492
Slaughter houses and meat processing plants	454
School buildings	34
Institutions (hospitals, home for aged and other public establishments)	419
Resorts (children's camps, motels, etc.)	118
Industrial establishments	5
Milk processing plants	644
Dairy farms	873
Trailer parks	103
Public water supplies	205
Private water systems	509
Swimming places	685
Private sewage disposal facilities	2,789
Public sewerage systems	737
Septic tank cleaners' trucks	73
Stream and lake pollution	122
Housing	2,181
Subdivisions and building sites	2,871
Visits relating to communicable diseases	436
Garbage and refuse disposal places	486
Food borne infections	41
Air pollution	5
Emergency Sanitation	187
Insect and rodent control	468
 <u>SAMPLES COLLECTED:</u>	
Drinking water	2,150
Milk	792
Food	155
Water samples from lakes, streams and swimming pools	657
 <u>MISCELLANEOUS:</u>	
Construction plans approved	210
Complaints investigated	3,455
Meat-carcasses inspected	17,253
Meat-pounds condemned	24,995
Septic tank permits issued	2,474
Septic tank installations approved	1,393
Water supplies approved	135
Classes for foodhandlers	9
Food condemned-pounds	14,065
Homes visited	4,776
Talks	138
Office consultation	3,527
Telephone consultations	17,911

MULTIPLE SCREENING

Since 1960, the Health Department in cooperation with the Oakland County Medical Society and the Michigan Department of Health has sponsored multiple screening programs in selected industries. The purpose of these programs has been:

- 1) To create an awareness within the individual and employer of the importance of periodic health studies with a physician of their choice.
- 2) To provide information on the prevalence of certain chronic diseases within the population under study.
- 3) To find unrecognized disease within our population and get these people under the care of their personal physician.

Health tests offered include: chest x-ray, urinalysis, blood pressure measurement, blood serology and height and weight measurements.

MULTIPLE SCREENING PROJECT - 1962

SUMMARY RESULTS:

3071 examinees of 25 groups surveyed	
1945 " under age 45	64%
1097 " 45 years and over	36%
2301 males	75%
770 females	25%
2001 individuals w/no abnormalities suspected	65%
1070 individuals w/abnormalities suspected	35%
(weight included)	
805 individuals w/abnormalities other than weight only	26%
(wt. abnormality plus other abnormalities)	
265 individuals w/weight abnormality, only	9%
805 individuals w/suspected abnormalities	26%
(Referred to private physician)	
1. 731 individuals followed to completion	90.8%
(a) 74 incomplete - out of area, uncooperative, etc.	9.2%
(No final disposition made)	

SUMMARY RESULTS: (Cont'd)

2. Classification and number of suspected findings referred w/indication of disposition made:

	Number Suspected	No Action	Confirmed No.	Confirmed %	Confirmed Previously Unknown No.	Confirmed Previously Unknown %
Weight, in combination w/other	186	19	163	97.6	65	39.3
(a) Weight, only	265	--	(265)	100.0	146	55.1
Blood Pressure	604	60	345	63.4	165	47.7
Hemoglobin	71	9	48	77.4	32	66.7
Blood Sugar	84	9	35	48.0	18	50.0
S.T.S. positive	22	3	9	47.4	4	44.4
Urine Sugar	61	3	26	44.8	14	53.8
Urine Albumin	38	2	21	58.3	10	47.6
Chest X-ray						
(a) Suspect tuberculosis	35	1	24	70.6	12	50.0
(b) Cardiovascular condition	12	0	12	100.0	4	33.3
(c) Other chest condition	18	0	15	83.3	9	60.0
Other conditions reported by physician, previously unknown (43)					43	

Total suspected findings found 1,131
 (Exclusive of "Wt. only")

3. Suspected findings confirmed 699 61.8%
 (Exclusive of "Wt. only")

4. Confirmed findings not previously known 333 48.0%
 (Exclusive of "Wt. only")

5. Other abnormalities reported previously unknown 43

6. Total positive findings previously unknown 376

7. Total positive findings previous status not stated 4

8. Total individuals w/number of abnormalities suspected and followed up:

$\frac{1}{797}$ $\frac{2}{233}$ $\frac{3}{29}$ $\frac{4}{9}$ $\frac{5}{2}$

Number of abnormalities per person referred and followed to completion 1.3

SUMMARY RESULTS: (Cont'd)

CONCLUSIONS

Of Groups examined:

35% or 1 in 3 had abnormality suspected ("Wt. only" included).

25% or 1 in 4 had abnormality confirmed ("Wt. only" included).

26% or 1 in 4 had abnormality other than "Wt. only" suspected.

18% or 1 in 6 had abnormality (other than "Wt. only") confirmed.

9% or 1 in 11 had abnormality other than "Wt. only" confirmed of which they were previously unaware.

14% or 1 in 7 had abnormality (inclusive of "Wt. only") confirmed of which they were previously unaware.

LEADING CAUSES OF DEATH - 1962

<u>CAUSE</u>	<u>NO. DEATHS</u>	<u>PERCENT</u>
1. Heart diseases (all forms)	1,747	39.2
2. Cancer (all forms)	807	18.1
3. Cerebrovascular Diseases	428	9.6
4. Accidents:	229	5.1
(Motor vehicle - 113)		
(Others - 116)		
5. Diseases of the circulatory system	129	2.9
6. Immaturity	108	2.4
7. Pneumonia (all forms)	101	2.3
8. Diabetes mellitus	95	2.1
9. Congenital malformations	94	2.1
10. Postnatal asphyxia and atelectasis	61	1.4
	-----	-----
TOTAL (top 10 causes)	3,799	85.2
All other causes	658	14.8
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TOTAL DEATHS - 1962	4,457	100.0

DEATHS BY INTERNATIONAL LIST OF CAUSES

Oakland County - 1962

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

CAUSE OF DEATH	Int. List No.	Total Deaths
<u>ALL CAUSES:</u>		
<u>TUBERCULOSIS, ALL FORMS: (A1-A5)</u>		
Tuberculosis of respiratory system	A 1	18
Tuberculosis of meninges and central nervous system	A 2	1
<u>SYPHILIS, ALL FORMS: (A9-A10)</u>		
All other syphilis	A 10	5
Paratyphoid fever and other		
Salmonella infections	A 13	1
Septicaemia and pyaemia	A 20	2
Meningococcal infections	A 23	3
Tetanus	A 26	1
Acute infectious encephalitis	A 29	2
Measles	A 32	3
Infectious Hepatitis	A 34	10
All other diseases classified as infective and parasitic	A 43	9
<u>MALIGNANT NEOPLASMS, ALL FORMS: (A44-A59)</u>		
Malignant neoplasm of buccal cavity and pharynx	A 44	18
Malignant neoplasm of esophagus	A 45	7
Malignant neoplasm of stomach	A 46	58
Malignant neoplasm of intestine, except rectum	A 47	93
Malignant neoplasm of rectum	A 48	29
Malignant neoplasm of larynx	A 49	11
Malignant neoplasm of trachea, bronchus and lung, not specified as secondary	A 50	120
Malignant neoplasm of breast	A 51	92
Malignant neoplasm of cervix uteri	A 52	34
Malignant neoplasm of other and unspecified parts of uterus	A 53	21
Malignant neoplasm of prostate	A 54	28
Malignant neoplasm of skin	A 55	13
Malignant neoplasm of bone and connective tissue	A 56	15

Cause of Death	Int. List No.	Total Deaths
Malignant neoplasm of all other and unspecified sites	A 57	188
Leukaemia and aleukaemia	A 58	33
Lymphosarcoma and other neoplasms of lymphatic and haematopoietic system	A 59	47
Benign neoplasms and neoplasms of unspecified nature	A 60	13
Thyrototoxicosis with or without goiter	A 62	1
Diabetes mellitus	A 63	95
Avitaminosis and other deficiency states	A 64	1
Anaemias	A 65	10
Allergic disorders; all other endocrine, metabolic and blood diseases	A 66	28
Psychoses	A 67	4
Psychoneuroses and disorders of personality	A 68	3
Vascular lesions affecting central nervous system	A 70	428
Non-meningococcal meningitis	A 71	7
Multiple sclerosis	A 72	11
Epilepsy	A 73	6
All other diseases of the nervous system and sense organs	A 78	15
Rheumatic fever	A 79	1
<u>HEART DISEASE, ALL FORMS: (A80-A83)</u>		
Chronic rheumatic heart disease	A 80	70
Arteriosclerotic and degenerative heart disease	A 81	1,521
Other diseases of heart	A 82	49
Hypertension with heart disease	A 83	107
Hypertension without mention of heart	A 84	24
Diseases of arteries	A 85	112
Other diseases of circulatory system	A 86	17
Acute upper respiratory infections	A 87	5
Influenza	A 88	3
<u>PNEUMONIA, ALL FORMS: (A89-A91)</u>		
Lobar pneumonia	A 89	7
Bronchopneumonia	A 90	44
Primary atypical, other and unspecified pneumonia	A 91	50
Bronchitis, chronic and unqualified	A 93	8
Hypertrophy of tonsils and adenoids	A 94	1
Empyema and abscess of lung	A 95	4
Pleurisy	A 96	1
All other respiratory diseases	A 97	59
Ulcer of stomach	A 99	23
Ulcer of duodenum	A100	21
Gastritis and duodenitis	A101	1

Cause of Death	Int. List No.	Total Deaths
Appendicitis	A102	6
Intestinal obstruction and hernia	A103	26
Gastro-enteritis and colitis, except diarrhea of the newborn	A104	14
Cirrhosis of liver	A105	49
Cholelithiasis and cholecystitis	A106	17
Other diseases of digestive system	A107	22
<u>NEPHRITIS & NEPHROSIS, ALL FORMS: (A108-A109)</u>		
Chronic, other and unspecified nephritis	A109	21
Infections of kidney	A110	20
Calculi of urinary system	A111	5
Hyperplasia of prostate	A112	8
Other diseases of genito-urinary system	A114	4
<u>MATERNAL DEATHS, ALL FORMS: (A115-A120)</u>		
Sepsis of pregnancy, childbirth, and the puerperium	A115	1
Other complications of pregnancy, child- birth, and the puerperium. Delivery without mention of complication	A120	3
Arthritis and spondylitis	A122	1
Osteomyelitis and periostitis	A124	2
All other diseases of skin and musculoskeletal system	A126	7
<u>CONGENITAL MALFORMATIONS, ALL FORMS: (A127-A129)</u>		
Spina bifida and meningocele	A127	6
Congenital malformation of circulatory system	A128	38
All other congenital malformations	A129	50
Birth injuries	A130	40
Postnatal asphyxia and atelectasis	A131	61
Infections of the newborn	A132	12
Haemolytic disease of the newborn	A133	8
All other defined disease of early infancy	A134	5
Ill-defined diseases peculiar to early infancy, and immaturity unqualified	A135	108
Ill-defined and unknown causes of morbidity and mortality	A137	9
<u>ACCIDENTS, ALL FORMS: (AE138-AE147)</u>		
Motor vehicle accidents	AE138	113
Other transport accidents	AE139	8
Accidental poisoning	AE140	17
Accidental falls	AE141	40
Accident caused by machinery	AE142	3

Cause of Death	Int. List No.	Total Deaths
Accident caused by fire and explosion of combustible material	AE1143	11
Accident caused by firearm	AE1145	2
Accidental drowning and submersion	AE1146	9
All other accidental causes	AE1147	26
Suicide and self-inflicted injury	AE1148	59
Homicide and injury purposely inflicted by other persons (not in war)	AE1149	14
		4,457
TOTAL		4,457

	TB San	Medical Care	Berkley	Birm-ingham	Claw-son	Farm. Area	Ferndale	Hazel Park	Hunt. Woods	Madison Heights	Oak Park	Pleasant Ridge	Pont. City	Sub Total
T E S T S														
SYPHILIS:														
a. Blood Sero		818	888	5,086	258	644	1,490	648	73	226	1,831	160	8,618	20,740
b. RPCF		63	11	62	2	26	16	8	4	4	29	4	257	486
c. Dark Flds.													12	12
GONORRHEA:														
a. Slide			3	24	5	9	16	3	1	3	14	3	1,645	1,726
b. Culture				2							1	1	137	141
WATER:														
a. Potable				27		379	18	9		16	54	14	1,079	1,596
b. Surface				2	2	7							5	16
c. Pool			1	256		122	57	61	22	15	20	6	227	787
MILK:														
a. Raw						9							3,370	3,379
b. Pas						3							1,240	1,243
FOOD:														
a. Swabs					4			35					193	232
b. Staph				1		1	2			1			40	45
c. Sal													2	2
BLOOD EXAM:														
a. CBC	731	193	15	36			6			6		6	387	1,380
b. RH			101	682	68	110	6	118	6	63	244	57	2,772	4,227
c. Sed Rate	133	2		1							3		18	157
d. Chem	1	2,793	1	6									496	3,297
e. Agg	25	2	3	12	5		1		1				4	53
f. Coombs			18	128	15	21	1	17	1	8	45	7	442	703
g. Prothrom		102											3	105
FECES:														
a. Enteric				9				7			16	1	69	102
b. Parasites								3					15	18
URINE:														
a. Routine		1,210	19	9									482	1,720
b. Culture													2	2
SPUTUM:														
a. Slide	7	5		6			3				1	4	22	48
b. Culture	7												6	13
THROAT CULTURE			263	3,404	26	67	72		18	18	7	57	10,689	14,621
A. B. SENS.			5	15	2							1	204	227
MISCELLANEOUS	1		4	5				1				8	222	241
TOTAL	905	5,188	1,332	9,773	387	1,398	1,688	910	126	360	2,265	329	32,658	57,319

	Rochester	Royal Oak	Royal Oak Twp.	Sfld. Area	Troy	East Twps.	North Twps.	West Twps.	Blm. & B. Hls.	Comm. & W. Blm.	Wtf.	Sub Total	County Total
T E S T S													
<u>SYPHILIS:</u>													
a. Blood Sero	1,889	4,109	265	299	168	281	1,305	322	219	352	23	9,232	29,972
b. RPCF	37	84	15	6	1	2	21	1	9	3		179	665
c. Dark Flds.													12
<u>GONORRHEA:</u>													
a. Slide	26	138	189	25		21	84	17	16	18	2	536	2,262
b. Culture	3	9					1		1	1		15	156
<u>WATER:</u>													
a. Potable	197	20	11	245	101	80	676	134	712	448	283	2,907	4,503
b. Surface	92	3		14			62	19	1	150	24	365	381
c. Pool	16	129	2	130	19	4	6	6	122	34		468	1,255
<u>MILK:</u>													
a. Raw		1	1				9	8				19	3,398
b. Pas	3	1,993		2			73	9			15	2,095	3,338
<u>FOOD:</u>													
a. Swabs		1										1	233
b. Staph		6			7		5		3			21	66
c. Sal													2
<u>BLOOD EXAM:</u>													
a. CBC	18	1,070	61	9		8	25	12	18	43	2	1,266	2,646
b. RH	253	418	71	182	39	76	519	106	60	145	1	1,870	6,097
c. Sed Rate		39	2					1				42	199
d. Chem	2	311	1	4		2	6	1	5	6		338	3,635
e. Agg		4		3								8	61
f. Coombs	53	71	6	32	6	13	98	15	8	24		326	1,029
g. Prothrom	3	10										13	118
<u>FECES:</u>													
a. Enteric	27	29	10	3			10		3	12		94	196
b. Parasites		1					2					3	21
<u>URINE:</u>													
a. Routine	7	96	7	1		3	25	1	1	6	1	148	1,868
b. Culture	1	3								1		5	7
<u>SPUTUM:</u>													
a. Slide		17	2				5	2	1	1		28	76
b. Culture													13
<u>THROAT CULTURE</u>													
A. B. SENS.	2,441	801	10	17		78	511	301	25	1,204	27	5,415	20,036
<u>MISCELLANEOUS</u>	7	5				1	13			1	7	34	261
	6	13	2			3	5	1	3	6	1	40	281
TOTAL	5,081	9,381	655	972	341	572	3,461	957	1,207	2,455	386	25,468	82,787

SUMMARY OF MEDICAL EXAMINER'S CASES

OCCURRING IN OAKLAND COUNTY -- 1962

Accidents:	
Automobile	105
Drowning	19
Falls	20
Conflagration	6
Suffocation	7
Absorption of gas	9
Other accidents	15
	<u>181</u>
	TOTAL
Suicide:	
Firearms	14
Hanging	8
Poisoning (including carbon monoxide)	27
Other	4
	<u>53</u>
	TOTAL
Homicide:	
Cutting or piercing instruments	7
Firearms	8
Other	5
	<u>20</u>
	TOTAL
Other deaths without medical attention within 36 hours:	
Diseases of the heart and circulatory system	823
Diseases of the nervous system (including cerebral hemorrhage)	96
Cancer and other tumors	75
Diseases of the respiratory system	79
Diseases peculiar to the first year of life	4
All other causes	42
	<u>1,119</u>
	TOTAL
Total number of Medical Examiner's Cases	1,373
Number of Autopsies	106
Number of Inquests	0

MEDICAL EXAMINER DIVISION
 SURVEY OF ACCIDENTAL DEATHS
 IN THE HOME

TYPE OF ACCIDENTS	All Ages	DATE Annual -- 1962						TOTAL	YEAR
		0-4	5-14	15-24	25-44	45-64	65+		
All Accidents		12	19	32	45	36	37		181
HOME TOTAL		6	2	6	6	7	17		44
Poisonings (gas excepted)						1			1
Poisonings by Gases & Vapors				5	6				11
Fire, Explosion of Combustible Material		1	1	1		2	2		7
Hot Substance, Corrosive, Liquid, Steam									
Mechanical Suffocation		4	1				1		6
Firearms							1		1
Falls on Same Level						2	9		11
Falls to Different Level or Unspecified							2		2
Other Specified Home Accidents		1				2	2		5
Unspecified Home Accidents									

RABIES CONTROL REPORT - 1962

	<u>Reported Bites or Contacts</u>	<u>Patients Treated</u>	<u>Treatments Given</u>	<u>Reported Bites by Stray Animals</u>
North Oakland Area	985	3	20	113
South Oakland Area	<u>921</u>	<u>4</u>	<u>35</u>	<u>112</u>
TOTAL	1,906	7	55	225

Number of Dogs Licensed 46,343

OAKLAND COUNTY DEPARTMENT OF HEALTH

DAILY LABORATORY COLLECTION STATIONS AND SCHEDULES - 1962

<u>STATIONS</u>	<u>TIME DUE</u>	
	<u>DAILY</u>	<u>SATURDAY</u>
ROCHESTER (Crissman Pharmacy)	9:30 A.M.	-----
KEEGO HARBOR (Keego Pharmacy)	1:00 P.M.	10:00 A.M.
FARMINGTON (Smith-Bradley Pharmacy)	1:25 P.M.	11:00 A.M.
OAK PARK (Hammerstein Pharmacy)	1:40 P.M.	11:25 A.M.
OAK PARK (Efros Pharmacy)	1:45 P.M.	12:00 NOON
FERNDALE (Professional Arts Pharmacy)	1:55 P.M.	12:10 P.M.
HAZEL PARK (Vis Pharmacy)	2:00 P.M.	12:30 P.M.
ROYAL OAK (County Health Center)	2:15 P.M.	12:40 P.M.
ROYAL OAK (Land's Pharmacy)	2:30 P.M.	1:00 P.M.
CLAWSON (Sid's Pharmacy)	2:45 P.M.	1:15 P.M.
WOODWARD & COOLIDGE (Medical Arts Pharmacy)	3:00 P.M.	2:00 P.M.
BERKLEY (Baker Pharmacy)	3:15 P.M.	2:05 P.M.
BIRMINGHAM (Health Center)	3:30 P.M.	2:15 P.M.
(Stark's Pharmacy)	4:30 P.M.	2:25 P.M.
PONTIAC (Fitzpatrick Pharmacy)	4:45 P.M.	2:30 P.M.
(Health Center Laboratory)	5:00 P.M.	2:45 P.M.

OAKLAND COUNTY HEALTH DEPARTMENT

PERSONNEL 1962

MEDICAL:

John D. Monroe, M.D.	Director
Frank J. Condon, M.D.	Deputy Director
Bernard D. Parnan, M.D.	Deputy Director
John S. Lambie, M.D.	Health Program Coordinator
*C. P. Mehas, M.D.	Tuberculosis Consultant

CLINIC DIVISION:

Maryann Ingersoll, R.N.	Clinic Supervisor
Evelyn Joyner, R.N.	Clinic Nurse
Frances Stewart, R.N.	Clinic Nurse

CONSULTANTS:

William Harsen	Health Coordinator
Katherine Claus	Nutritionist
*Evelyn Wade	Chronic Disease Nurse Coordinator

ADMINISTRATIVE DIVISION:

Mary Rood	Administrative Assistant
Barbara Lockard	Clerk III - Accounts
Phyllis Hoadley	Clerk III
Anita Bommarito	Secretary
Carolyn Anderson	Secretary
Ila Graham	Secretary
Margie Wright	Secretary
Marjorie O'Brien	Stenographer II
Betty Dirkse	Stenographer II
Glenda Crabill	Stenographer II
Sarah Wheatley	Stenographer II
Mary Robertoy	Stenographer I
Carol Blasingame	Stenographer I
Carol Quinlan	Stenographer I
Ellen Ward	Sanitation Clerk
Celia Fardell	Clinic Clerk
Jean Griffin	Chief - Typist Pool
Marion Chase	Typist II
Catherine Smith	Typist II
Hope Veal	Typist II
Betty Farmer	Typist II
Lois Howard	Typist II
Esther Harrison	Typist I
Evelyn Eyrd	Typist I
Patricia Roberts	Typist I
Marion Russell	Typist I
Ernestine Kline	Clerk II
Vina Forrest	Clerk II
James Strong	Clerk II
Margaret Threet	Clerk I
Clara Bodenbach	P.B.X. Operator I

NURSING DIVISION:

Evelyn Kidneigh, R.N.	Director of Nurses
Marjorie Gaston, R.N.	PHN Educator
Rose Boyd, R.N.	Supervisor
Anyce Gillette, R.N.	Supervisor
Helen Fergus, R.N.	Supervisor
Lorna Hawley, R.N.	Supervisor
Lorraine Black, R.N.	Supervisor
Elaine Bevan, R.N.	Supervisor
Helen Clark, R.N.	Supervisor
**Katherine Phelan, R.N.	Supervisor
Ann Fecko, R.N.	PHN III
Donna Saulnier, R.N.	PHN III
Harriett White, R.N.	PHN III
Cynthia Boyea, R.N.	PHN III
Ayleen Wright, R.N.	PHN III
Ellen Lippert, R.N.	PHN III
Laurene Richter, R.N.	PHN II
Marjorie Garrow, R.N.	PHN II
Evelyn Hoopingarner, R.N.	PHN II
Estelle McBrady, R.N.	PHN II
Margaret Morrison, R.N.	PHN II
Nancy Tyus, R.N.	PHN II
Dorris Donaldson, R.N.	PHN II
Donna Cavenee, R.N.	PHN II
Patricia Pooler, R.N.	PHN II
Joanna Martin, R.N.	PHN II
Marilyn Will, R.N.	PHN II
Dorothy Cheney, R.N.	PHN II
Grace Purdy, R.N.	PHN II
Lorraine Hall, R.N.	PHN II
Mary Duerr, R.N.	PHN II
Janice Moyes, R.N.	PHN II
Bernice Allen, R.N.	PHN II
Kay Witherite, R.N.	PHN II
Anne Kundak, R.N.	PHN II
Martha Clapp, R.N.	PHN II
Edith Ward, R.N.	PHN II
Marcella Kelchner, R.N.	PHN II
Elizabeth Campbell, R.N.	PHN II
Heather Teel, R.N.	PHN II
Clare Kownacki, R.N.	PHN II
Julia Miller, R.N.	PHN II
Charlotte Cowdin, R.N.	PHN II
Marilyn Sondgerath, R.N.	PHN II
Marion Barrett, R.N.	PHN II
Chris Ferryman, R.N.	PHN II
Marilyn Baker, R.N.	PHN II
*Mary Schulte, R.N.	PHN II
*Eunice Lundborg, R.N.	PHN II
*Anna Ray, R.N.	PHN II
Marie Rodriguez, R.N.	Civil Defense Nursing Representative
*Barbara Bates, R.N.	PHN I
Irene Schlucter, R.N.	PHN I
Naomi Markle, R.N.	PHN I

**Betty Hanson, R.N.	PHN I
Juanita Fuller, R.N.	PHN I
Mary Jo Carlson, R.N.	PHN I
Gladys Beach, R.N.	PHN I
Carolyn Dalton, R.N.	PHN I
Carolyn Wooster, R.N.	PHN I
Eleanor McMath, R.N.	PHN I
Helen Placeway, R.N.	PHN I
Bernice Huntoon, R.N.	PHN I
Patricia Butler, R.N.	PHN I
Mary Dinas, R.N.	Vision and Hearing Technician

SANITATION DIVISION:

Russell Coltson	Director
Robert Coleman	Assistant Director
Henry Constantino	Assistant Director
Owen Birchman	Sanitarian
Oscar Boyea	Sanitarian
LeRoy Stone	Sanitarian
Melvin Goldman	Sanitarian
Lawrence Lamont	Sanitarian
Edward O'Rourke	Sanitarian
Ervin Schreiber	Sanitarian
Robert Andreski	Sanitarian
Don Richards	Sanitarian
F. Hugh Wilson, D.V.M.	Sanitarian
Richard Wells	Sanitarian
Bobby Hooper	Sanitarian
Marvin Budd	Sanitarian
Theodore Barr, D.V.M.	Meat and Milk Supervisor
Max Gordon, D.V.M.	Meat and Milk Inspector

TUBERCULOSIS CONTROL DIVISION:

*Ellsworth Carroll	Associate Tuberculosis Coordinator- Investigator
Dorothy Martin	Clerk III - X-Ray Technician
Ruth Key	Clerk III - X-Ray Technician
Essie Branch	Clerk III - X-Ray Technician
Margaret Duncan	Secretary
Linda Soncrant	Typist I
Ruth Wollak	Typist II

DENTAL DIVISION:

Richard Henderson, D.D.S.	Senior Dentist
Richard Schuster, D.D.S.	Senior Dentist
Chris Christie, D.D.S.	Dentist
Samuel Applebaum, D.D.S.	Dentist
Scott Davidson, D.D.S.	Dentist
*Helen Kulidjian, R.D.H.	Dental Hygienist
*Mary Lou Turrin, R.D.H.	Dental Hygienist
*Leone Crowson, R.D.H.	Dental Hygienist

*Mary Lu Walsh, R.D.H.
*Lyn Denhoffer, R.D.H.
Colleen O'Halloran
Janet Fremlin
Minnie Blasko
Grace Bowyer

Dental Hygienist
Dental Hygienist
Senior Dental Clinic Assistant
Dental Clinic Assistant/Clerk II
Dental Clinic Assistant/Clerk II
Dental Clinic Assistant/Clerk II

LABORATORY DIVISION:

Richard Montgomery
Edward Zorvan
Joyce Wilfong
Duane Bentz
Ruth Carlsen
Elsie Regal
Thomas Sawyer

Director
Senior Medical Technologist
Medical Technologist
Medical Technologist Aide
Laboratory Helper
Laboratory Helper
Deliveryman

OTHERS:

*Clifford Eldridge
*Lester Hardiman
*Theodore Hardiman

Custodial Worker
Custodial Worker
Custodial Worker

*Salary not paid with Health Department funds

** Educational Leave

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OAKLAND COUNTY

DEPARTMENT OF HEALTH

CENTRAL OFFICE:

1200 N. TELEGRAPH ROAD
PONTIAC
FEDERAL 2-9255

BRANCH OFFICES:

2401 E. FOURTH STREET
ROYAL OAK
LINCOLN 1-3100

151 MARTIN STREET
BIRMINGHAM
MIDWEST 6-7500

35 S. PARKE STREET
PONTIAC
FEDERAL 3-7131