

OAKLAND COUNTY
DEPARTMENT OF HEALTH

- to prevent
is better than
to cure -

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1961

ANNUAL REPORT
1961

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HE THAT HAS HEALTH HAS HOPE, AND
HE THAT HAS HOPE HAS EVERYTHING.

- Arabian Proverb

OAKLAND COUNTY DEPARTMENT OF HEALTH

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COUNTY MEDICAL EXAMINER

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DIRECTOR'S MESSAGE

The Health Department is charged with the prevention of disease and the promotion of good health and well-being in Oakland County.

Public Health work is a dynamic enterprise which must keep in tune with the ever-changing needs and health problems of our citizens. In order to make the most efficient use of our limited resources, we constantly evaluate the problems and services.

This report sets forth many examples of public health programs designed to meet the health challenges of today and tomorrow. But the measure of our success depends on people like you -- for an informed citizenry is the backbone of our public health program.

To all the many fine individuals and groups who have given so generously of their time and energy, we wish to say, "THANKS" for helping us to get the job done.

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

Property of
OAKLAND COUNTY
PLANNING COMMISSION
11500 State Street
PONTIAC, MICHIGAN

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*— to prevent is better than
to cure —*

THE HEART AND SOUL OF PUBLIC HEALTH ACTIVITIES IS PREVENTION -- THIS IMPLIES NOT ONLY THE PREVENTION OF ILLNESS BUT THE BUILDING OF PHYSICAL AND MENTAL STRENGTHS WHICH WILL ENABLE EACH OF US "TO LIVE THE MOST AND TO SERVE BEST."

- JESSE FEIRING WILLIAMS
COLUMBIA UNIVERSITY

*the public health approach to
this goal emphasizes:*

- • • the education of the individual and community to value physical, mental, social and emotional health;
- • • early discovery of unrecognized diseases;
- • • preventive and restorative treatment.

PART I

*what are the major
public health problems?*

INFANT DEATHS

357 DEATHS IN 1961



The principle killers were:

97	—	CONGENITAL MALFORMATIONS
84	—	IMMATURITY
60	—	POSTNATAL ASPHYXIA AND ATELECTASIS
41	—	BIRTH INJURIES

*how many of these deaths
were needless?*

WHAT ARE THE MAJOR PUBLIC HEALTH PROBLEMS?

LONG-TERM ILLNESSES



2,844

people died from these illnesses of the long-term category:

HEART	—	1,532
CANCER	—	775
CEREBROVASCULAR DISEASES	—	425
DIABETES	—	91
TUBERCULOSIS	—	20

At least 65,000 residents of Oakland County suffer from some chronic illness which limits their activities.

how much suffering and human waste could have been avoided by early detection of these diseases?

ACCIDENTS

319

deaths



133

motor vehicle deaths

186

other deaths

•••

the leading killer of children after the first year of life; the fourth leading cause of death in Oakland County.

we have the knowledge to prevent many of these needless deaths — why aren't we using it?

WHAT ARE THE MAJOR PUBLIC HEALTH PROBLEMS?

COMMUNICABLE DISEASES

Tuberculosis

- • • 132 new victims found in 1961.
- • • hospital costs average over \$6,000 per year for each TB patient.
- • • new cases found per 100,000 population have not markedly declined since 1958.

Infectious Hepatitis

- • • 360 cases reported in 1961, the highest in Oakland County history.
- • • has a low death rate - BUT in the 20 - 39 age group it often requires 6 - 8 weeks recovery time.

Venereal Diseases

- • • 520 cases reported in 1961 -- 119 of these were syphilis.
- • • nearly two out of five cases of primary and secondary syphilis occur among teenagers.

Apathetic Citizens



- • • even though we have excellent protective vaccines, as many as 50 per cent of our school children over 8 years old in some areas are not protected against diphtheria, polio, smallpox and tetanus.

why aren't we using the diagnostic and protective tools available to us?

WHAT ARE THE MAJOR PUBLIC HEALTH PROBLEMS?

ENVIRONMENTAL HEALTH HAZARDS

Malfunctioning Septic Tanks

- • • over 75,000 private septic tank systems threaten us with disease.
- • • the City of Troy and the Townships of Waterford, Orion, Oxford, and Pontiac have critical problems of waste disposal.

Mismanagement of garbage and refuse disposal

some communities have not provided enough land area for disposal.

• • •

maintenance of existing disposal areas is often so poor that serious health problems of disease, insects and rodents are created.

• • •

strong ordinances to regulate private and public dumps are lacking in many areas.

• • •



DON'T LOOK NOW ... YOUR SLOP'S SHOWING

WHAT ARE THE MAJOR PUBLIC HEALTH PROBLEMS?

ENVIRONMENTAL HEALTH HAZARDS



Unprotected water supplies

- • • we have over 60,000 private wells in Oakland County; in such a highly populated County each of these wells is a potential threat to the health and happiness of our people.

Inadequate food regulations

many communities have no ordinances to insure safe distribution and service of food.

• • •

existing ordinances are so different from community to community that enforcement is difficult.

• • •



which is more expensive:

GOOD ENVIRONMENTAL HEALTH PRACTICES?

LOSS OF HEALTH AND HAPPINESS?

PART II

*what is being done to
meet the problems?*

-- A PREVENTIVE ATTACK ON THREE BROAD FRONTS --

*health
education*

*preventive and
restorative
treatments*

*early discovery of
unrecognized
disease*

infant
deaths

communicable
diseases

mental
illnesses

tooth
decay

long-term illnesses

environmental
health hazards

accidents

WHAT IS BEING DONE TO MEET THE PROBLEMS?

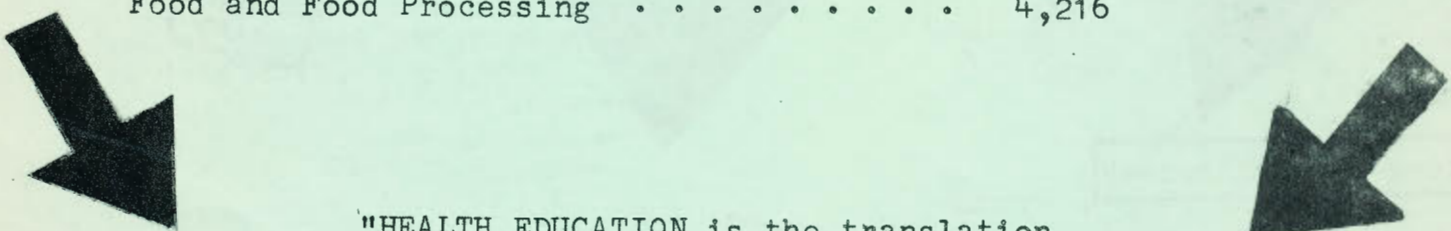
HEALTH EDUCATION

- with individuals -

person - to - person or direct contact
is potentially the most effective of
all educational opportunities.

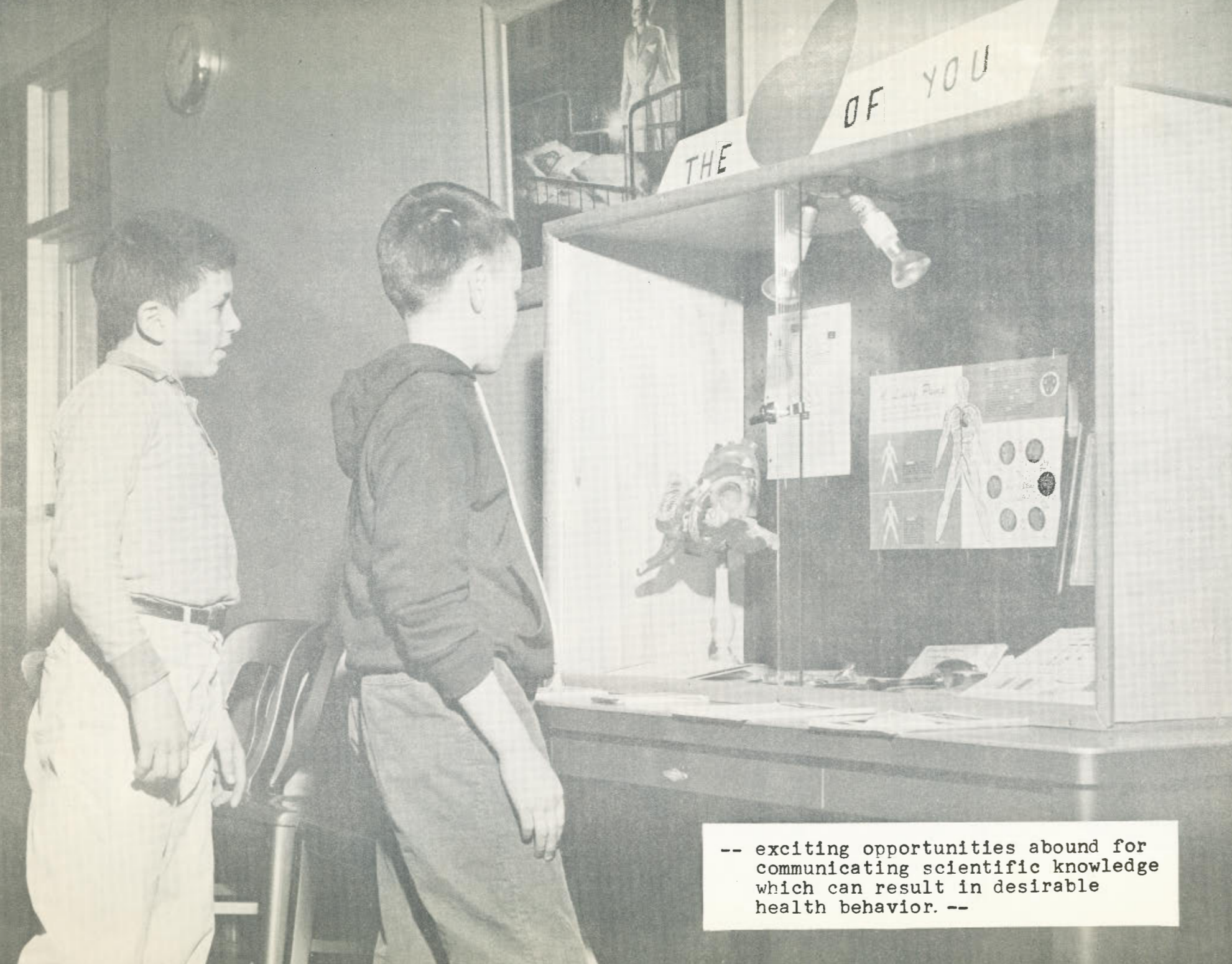
INDIVIDUALS SERVED

Maternal and Child Health	
maternity	1,679
infants	1,842
children - age 1 - 4	2,218
School Age Children	11,257
Communicable Disease	1,453
Tuberculosis	2,863
Chronic Disease	
orthopedic	1,050
cancer	95
cardio-vascular	468
diabetes	172
Mental Illness	173
Mentally Retarded	280
Private Water Supplies	414
Private Sewage Disposal Systems	2,419
Insect and Rodent Control	278
Food and Food Processing	4,216



"HEALTH EDUCATION is the translation
of what is known about health into
desirable individual and community
behavior patterns by means of the
educational process."

- RUTH GROUT
UNIVERSITY OF MINNESOTA



-- exciting opportunities abound for communicating scientific knowledge which can result in desirable health behavior. --

WHAT IS BEING DONE TO MEET THE PROBLEMS?

HEALTH EDUCATION

— with families —

the family is the center of joyful living for all its members -- health goals for each citizen can be given their impetus in the family setting.



3,279

FAMILIES WERE REFERRED TO
US FOR SERVICE DURING 1961

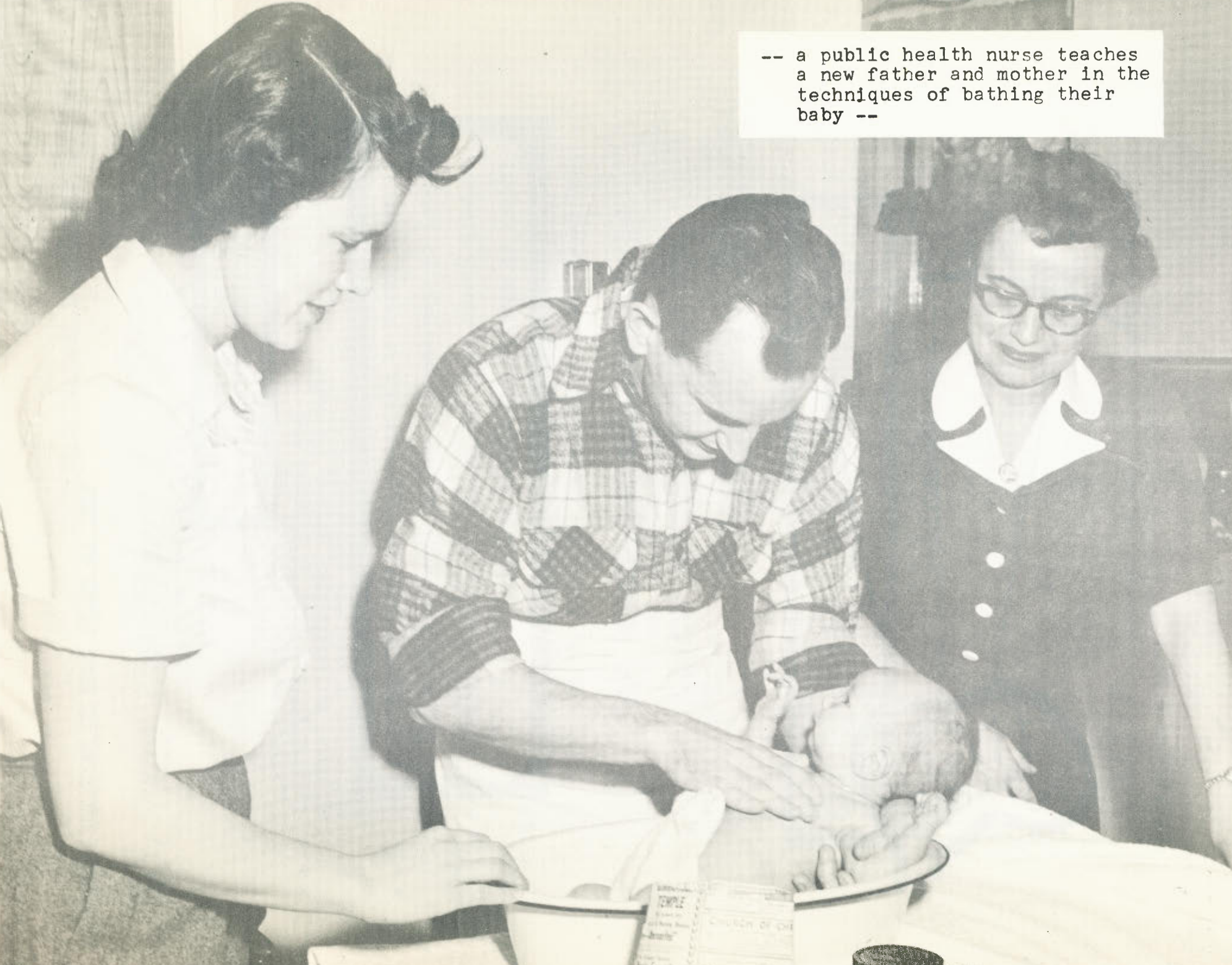
• • •

MANY OTHER FAMILIES WHO
WERE REFERRED BEFORE 1961
ARE ALSO RECEIVING SERVICE

"EDUCATION -- is not teaching people to know what they do not know, it is teaching them to behave as they do not behave."

- JOHN RUSKIN

-- a public health nurse teaches
a new father and mother in the
techniques of bathing their
baby --



WHAT IS BEING DONE TO MEET THE PROBLEMS?

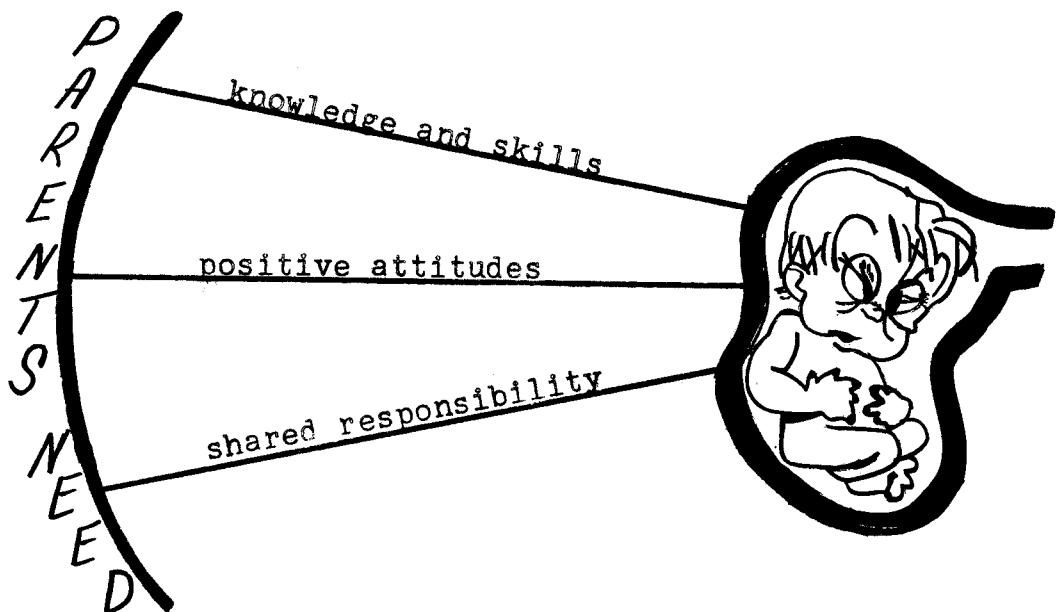
HEALTH EDUCATION

- with groups -

at every level of education, from the elementary school to programs for adults, those who know how to help groups form and mature can release powerful forces to support individual learning.

PREPARATION FOR PARENTHOOD

112 expectant parent class sessions
2,205 parents in attendance



"SHE'S Nauseated!"

WELL CHILD CONFERENCES

helping parents keep infants and pre-school children well.

- • • teaches parents how to promote and maintain optimum total health throughout early growth and developmental stages of their children.
- • • provides regular medical examinations and consultation.
- • • children with abnormal conditions and symptoms of illness are referred to their family physician or clinic.

WELL CHILD CONFERENCES are held regularly in Farmington, Milford, Oakdale Gardens and Royal Oak.

714 visits by mothers with infants and pre-school children were made to these conferences in 1961.

GROWING-UP PROGRAMS

to help parents and their adolescent children gain knowledge, understanding and favorable attitudes about the physical and emotional changes during adolescence.

- • • parent education and education for parenthood.
- • • provides a common baseline of knowledge and understanding between parent and child.
- • • opens the door to better communication between parent and child.

13,978

adolescents and their parents attended "Growing-Up Programs" in 1961.

CLASSES For DIABETICS

and their FAMILIES

"the education of the patient is extremely important in the treatment of diabetes. With proper care and common sense diabetics can expect to live as long as anyone else and lead a useful and active life."

- JOHN D. MONROE, M.D.

63



people attended five series (five sessions each) of the classes.

- • • provides a setting for diabetics to gain understanding and strength from one another as well as inspiration.
- • • important information and knowledge about the every day care and management of diabetes.

- the diabetic diet
- taking insulin and oral compounds
- personal hygiene and diabetes

WHAT IS BEING DONE TO MEET THE PROBLEMS?

A leader is best when people barely know he exists,
 Not so good when people obey and acclaim him,
 Worst when people despise him.
 Fair to honor people, they fail to honor you.
 But of a good leader, who talks little,
 When his work is done, his aim fulfilled,
 They will all say, "We did it ourselves."

- LAO-TZE



many community groups play an important part in achieving better individual and community health behavior.

OAKLAND COUNTY MEDICAL SOCIETY

OAKLAND COUNTY DENTAL SOCIETY

PARENT TEACHERS ASSOCIATIONS

OAKLAND COUNTY OSTEOPATHS

SENIOR CITIZENS COUNCIL

OTHER PROFESSIONAL GROUPS

VOLUNTARY HEALTH GROUPS

SCHOOL HEALTH COUNCILS

GOVERNMENTAL BODIES

SERVICE CLUBS

CHURCH GROUPS

group
 A
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discovering unrecognized diseases

no person has more opportunities for discovering unrecognized abnormal conditions among children than the classroom teacher.

1961

Children with health problems referred by teachers and counselors:

Elementary - 6,262

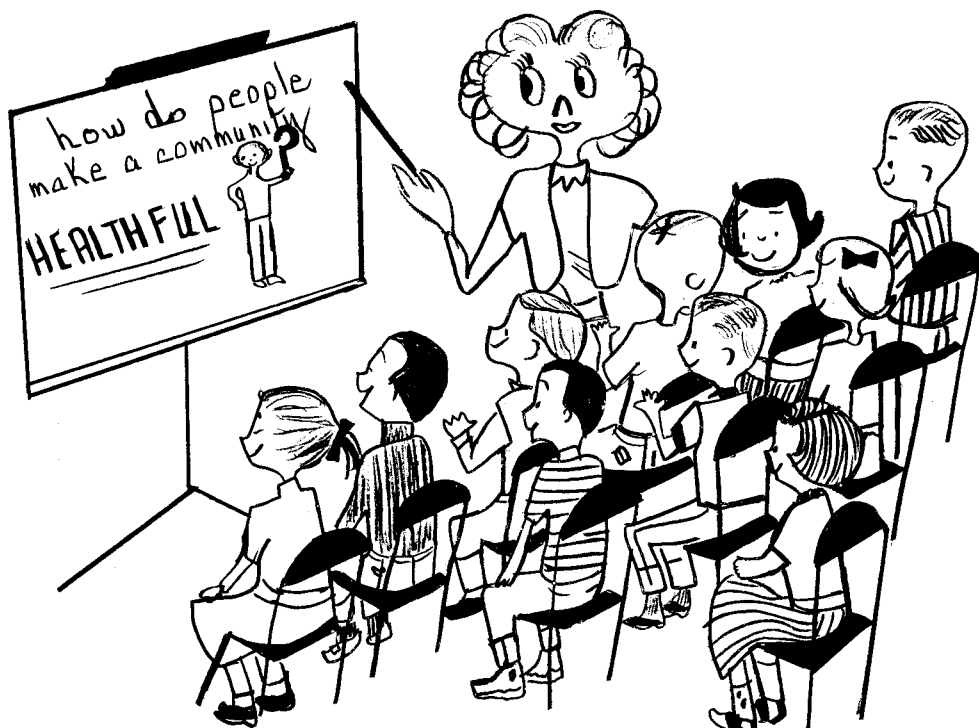
Junior High - 1,338

Senior High - 1,320

TOTAL 8,920

TEACHER

OBSERVATION



TUBERCULOSIS

SCREENING - 1961

X-RAYS

	Number of persons X-rayed
Pontiac Motor	5,248
GMC Truck and Coach	217
Fisher Body	48
Pontiac General Hospital	15,493
St. Joseph Mercy Hospital	10,973
Beaumont Hospital	8,221
Ardmore Hospital, Ferndale	757
Pontiac Osteopathic Hospital	8,195
Health Department Clinics	18,085
TOTAL	<u>67,237</u>

TUBERCULOSIS SKIN TESTS 37,236

Southeastern Michigan
Tuberculin Testing Projects
for school children in Oakland
County from September 1960 to
May 1961.

HEALTH DEPARTMENT CLINICS 3,328

TOTAL 40,564

TUBERCULOSIS - 1961

Positive Cases Reported	132
Inactive Cases Reported	129

new active cases of tuberculosis have not shown a marked decline since 1958.

MULTIPLE SCREENING

WHAT ARE MULTIPLE SCREENING TESTS?

Health tests that can spot chronic diseases in the early stages - for selected employee groups. Chronic diseases are one of our foremost national health problems.

WHAT TESTS ARE OFFERED?

- . . . chest X-ray
- . . . urinalysis
- . . . blood pressure measurement
- . . . blood serology
- . . . height and weight check

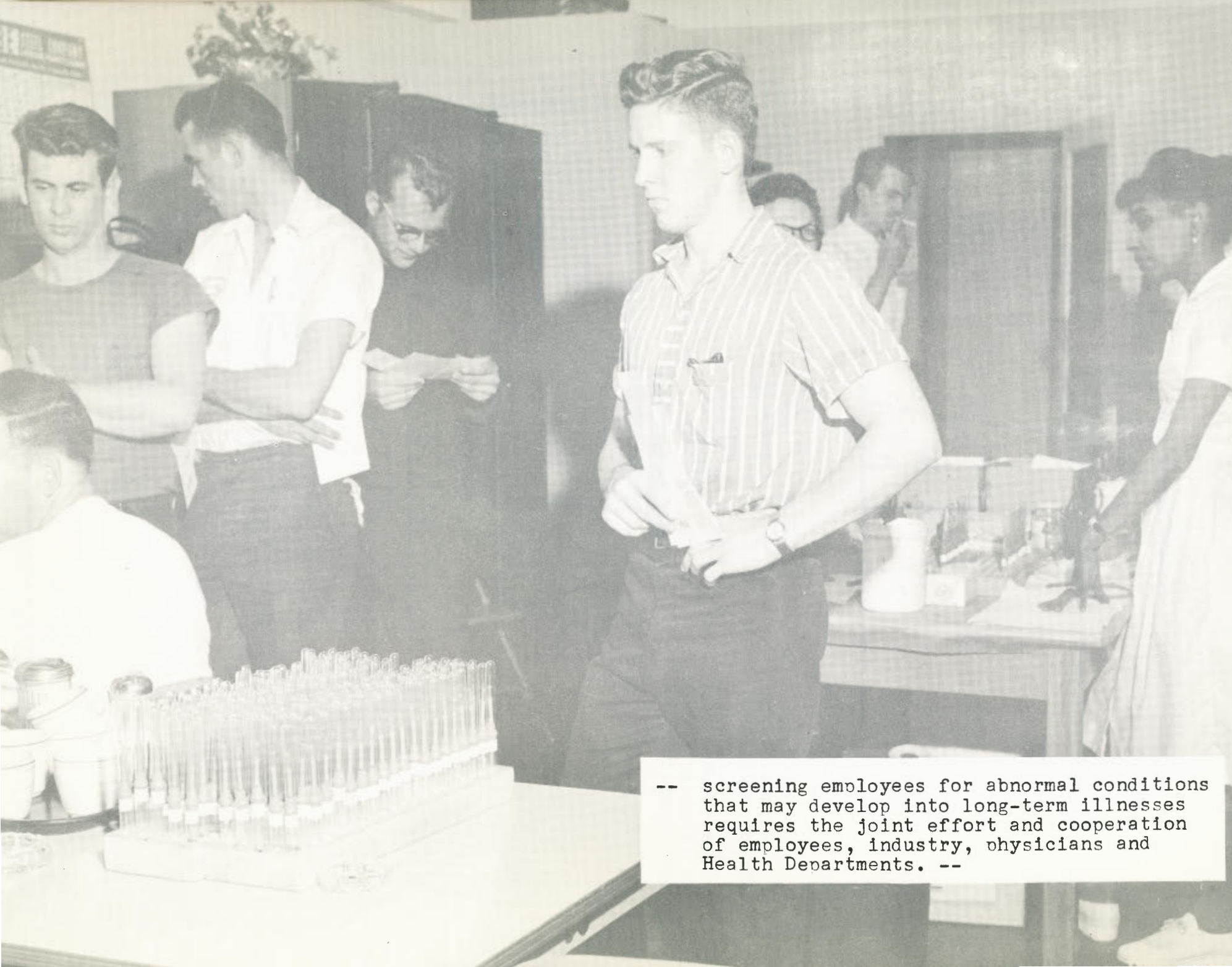
These free tests are given by a team of local and state health technicians. They are jointly sponsored by the Oakland County Medical Society, Oakland County Department of Health and the Michigan Department of Health.

WHAT DO THE TESTS CHECK?

- | | |
|--------------------------|----------------|
| heart disease | tuberculosis |
| lung cancer | kidney disease |
| diabetes | syphilis |
| blood pressure | anemia |
| underweight | obesity |

1961
PROGRAM

3,777	employees in 17 industries tested	
2,236	individuals with no abnormalities suspected . . .	59%
1,541	individuals with abnormalities	41%
	(weight included)	
1,238	individuals with abnormalities other than weight (referred to private physician).	33%
1,696	suspected findings confirmed	69.4%
	(exclusive of weight)	
675	confirmed findings not previously known	61.6%



-- screening employees for abnormal conditions that may develop into long-term illnesses requires the joint effort and cooperation of employees, industry, physicians and Health Departments. --

SCREENING PROGRAMS

SCHOOL
YEAR
1960-1961

HEARING

SCREENED - 25,810

REFERRED - 273
for
ear
examination

Good medical and educational follow-up is vital to the success of these programs.

VISION

SCREENED - 62,121

REFERRED - 7,394
to
eye doctors

An important part of these programs is the educational experience both preceding and during the screening.

Vision and Hearing Programs are cooperatively planned and executed by the school district, Oakland County Department of Health and the Michigan Department of Health.

WHAT IS BEING DONE TO MEET THE PROBLEMS?

*preventive and restorative
treatments*

IMMUNIZATIONS

we have the tools to prevent
Diphtheria, Polio, Smallpox,
Tetanus, and Whooping Cough.
Every CHILD and ADULT should
be protected with VACCINES
against these dreaded diseases.

— 1961 immunizations (59,392) were up 145 per cent in Health
Department Clinics over 1960 (24,239). No doubt the new law
on Michigan Immunization Requirements for school enrollment
is a big help. —

VACCINES PAY OFF

NO cases of POLIO were reported
in Oakland County during 1961.

we cannot afford to be lax -- germs
are all about waiting to catch us
with our guard down.

WHAT IS BEING DONE TO MEET THE PROBLEMS?

DENTAL SERVICES

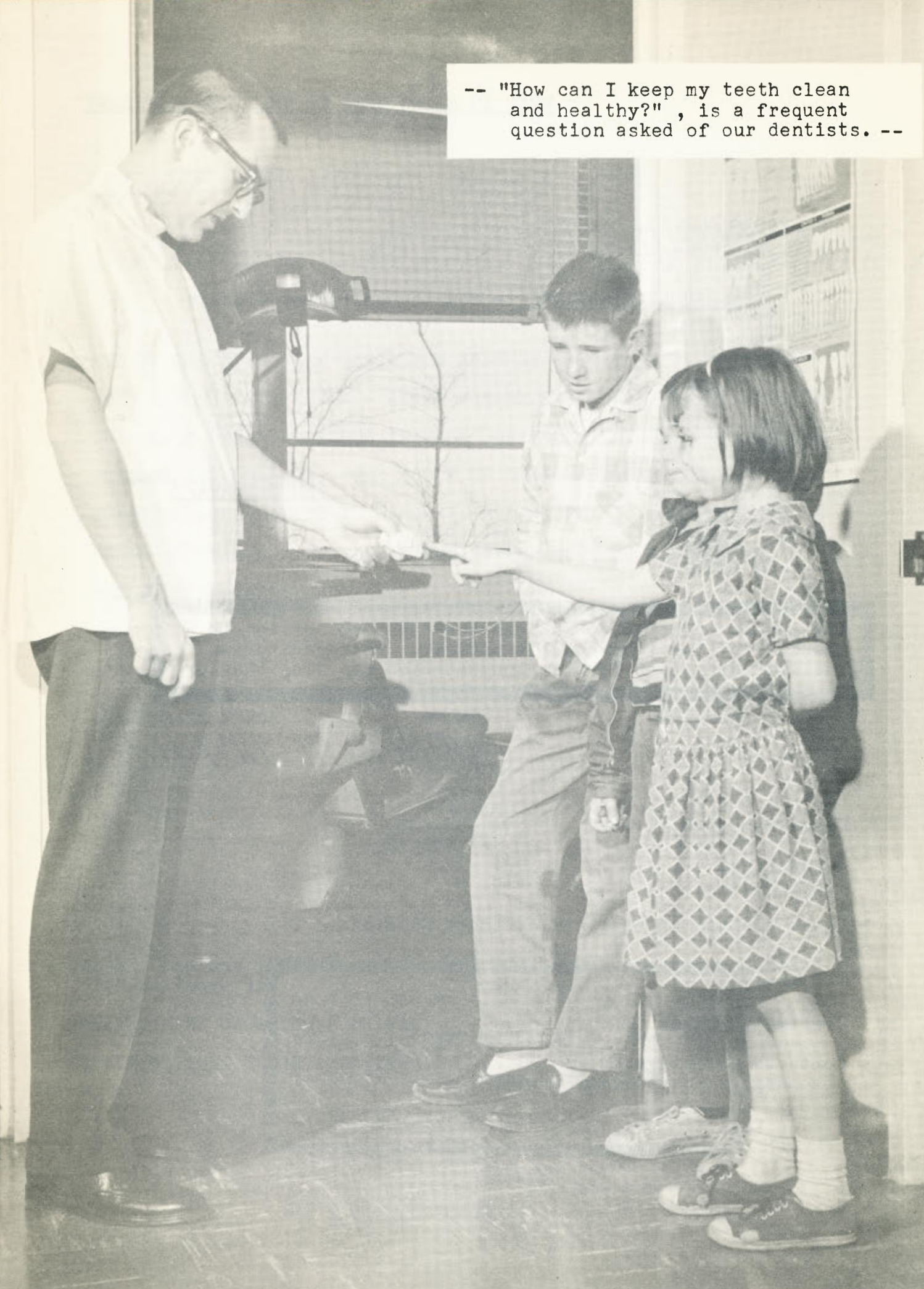
- 11,480 visits by school children in 1961 to Health Department Clinics.
- 55,056 dental services were provided to these children.
- 20,000 additional children were in need of dental care they cannot afford -- and we were unable to serve them.

SODIUM FLUORIDE PROGRAMS:

- 26 programs were in operation throughout Oakland County.
- 27 hygienists are employed by school districts to provide the treatments.
- 20,136 children were given treatments in these programs.

If our citizens drank fluoridated water supplies, dental caries could be reduced by as much as 65 per cent.

-- "How can I keep my teeth clean and healthy?", is a frequent question asked of our dentists. --





-- VITAL STATISTICS - the bookkeeping
of public health - is vital to the
health and happiness of our citizens. --

PART III

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 - 1961

OAKLAND COUNTY	715,000		
Addison Township	1,750	Northville City (Part)	1,070
Leonard Village	365	Novi Township	6,600
Avon Township	22,460	Novi Village	6,510
Rochester Village	5,530	Oakland Township	2,600
Berkley City	23,408	Oak Park City	37,100
Birmingham City	26,032	Orion Township	12,240
Bloomfield Township	25,070	Lake Orion Village	2,750
Bloomfield Hills City	2,485	Oxford Township	5,850
Brandon Township	3,257	Oxford Village	2,375
Ortonville Village	775	Pleasant Ridge City	3,850
Clawson City	15,055	Pontiac City	83,300
Commerce Township	12,700	Pontiac Township	9,578
Wolverine Lake Village	2,470	Lake Angelus (Part)	150
Farmington City	7,520	Rose Township	1,520
Farmington Township	28,800	Holly Village (Part)	-----
Quakertown Village	500	Royal Oak City	82,715
Wood Creek Farms Village	400	Royal Oak Township	8,300
Ferndale City	31,520	Southfield City	34,735
Groveland Township	1,345	Southfield Township	11,835
Hazel Park City	26,000	Beverly Hills Village	8,900
Highland Township	5,200	Bingham Farms Village	485
Holly Township	5,780	Franklin Village	2,450
Holly Village (Part)	3,360	South Lyon City	1,840
Huntington Woods City	8,890	Springfield Township	2,745
Independence Township	11,230	Sylvan Lake City	2,100
Clarkston Village	890	Troy City	20,000
Keego Harbor City	2,800	Walled Lake City	3,600
Lathrup Village City	3,680	Waterford Township	48,750
Lyon Township	3,050	Lake Angelus Village (Part)	112
Madison Heights City	33,900	West Bloomfield Township	16,500
Milford Township	5,990	Orchard Lake Village	1,140
Milford Village	4,365	White Lake Township	8,700
		Wixom City	1,550

* ALL VILLAGES ARE INCLUDED IN TOWNSHIP TOTALS

1961 - 1962 SCHOOL ENROLLMENT

OAKLAND COUNTY, MICHIGAN

<u>GRADES</u>	<u>NUMBER OF PUPILS</u>		
	<u>Pontiac City</u>	<u>Oakland County</u>	<u>Total</u>
Kindergarten	2,381	16,747	19,128
First	2,256	17,027	19,283
Second	2,045	16,337	18,382
Third	1,901	15,771	17,672
Fourth	1,955	15,806	17,761
Fifth	1,826	14,704	16,530
Sixth	1,767	13,848	15,615
Seventh	1,704	13,533	15,237
Eighth	1,707	13,384	15,091
Ninth	1,712	12,934	14,646
Tenth	1,406	10,661	12,067
Eleventh	1,012	8,175	9,187
Twelfth	893	7,340	8,233
Special Students	218	1,259	1,477
Post Graduates		13	13
<u>Total--Kindergarten thru 12th grade</u>	<u>22,783</u>	<u>177,539</u>	<u>200,322</u>
<u>Number of Teachers - 1961-1962</u>	<u>803</u>	<u>6,322</u>	<u>7,125</u>
<u>1961 Pre-School Census (Oakland County Complete)</u>			<u>89,743</u>

POPULATION STATISTICS

The birth rate in Oakland County continued a four-year decline in 1961, according to provisional figures released today by the Michigan Department of Health.

There were 17,190 births reported to the health department's statistical methods section last year -- 557 fewer than 1960, giving our county the lowest yearly birth rate per 1,000 population (24.0) in the last decade.

From 1950 on, the "population explosion" took place with the number of births steadily mounting each year, reaching an all-time high of 18,615 in 1957 before dropping off.

The number of deaths also decreased during 1961, with a total of 4,163 reported to the Health Department -- 73 less than 1960.

Excluding immigration and migration, Oakland County showed an estimated increase in population of 24,417 during 1961.

TOTAL BIRTHS, DEATHS, INFANT DEATHS, NEONATAL DEATHS
MATERNAL DEATHS AND RATES: OAKLAND COUNTY - 1961

(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	500	21.4	128	5.5	14	28.0	10	20.0	-	-
Beverly Hills	41	4.6	34	3.8	1	24.4	-	-	-	-
Birmingham	800	30.7	221	8.5	10	12.5	8	10.0	-	-
Clawson	411	27.3	75	5.0	8	19.5	8	19.5	-	-
Farmington Twp.	753	26.1	84	2.9	14	18.6	10	13.3	-	-
Ferndale	828	26.3	253	8.0	18	21.7	12	14.5	2	2.4
Hazel Park	680	26.2	148	5.7	15	22.1	9	13.2	-	-
Holly	144	42.8	37	11.0	5	34.7	5	34.7	-	-
Huntington Woods	96	10.8	43	4.8	-	-	-	-	-	-
Keego Harbor	75	26.8	33	11.8	2	26.7	1	13.3	-	-
Lake Orion	103	38.2	25	9.1	-	-	-	-	-	-
Lathrup Village	31	8.4	26	7.1	-	-	-	-	-	-
Madison Hts.	1,270	37.5	125	3.7	26	20.5	16	12.6	2	1.6
Milford	188	43.1	31	7.1	2	10.6	2	10.6	-	-
Northville (Part)	20	18.7	3	2.8	-	-	-	-	-	-
Novi	88	13.5	33	5.1	1	11.4	-	-	-	-

	<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	742	20.0	156	4.2	13	17.5	9	12.1	2	2.7
Pleasant Ridge	64	16.6	32	8.3	1	15.6	1	15.6	-	-
Pontiac	2,495	30.0	671	8.1	60	24.0	44	17.6	-	-
Rochester	274	49.5	74	13.4	5	18.2	4	14.6	-	-
Royal Oak	1,969	23.8	450	5.4	35	17.8	27	13.7	1	.5
Southfield	767	22.1	185	5.3	23	30.0	17	22.2	-	-
Troy	423	21.2	111	5.6	8	19.0	5	11.8	-	-
Walled Lake	223	61.9	27	7.5	2	9.0	2	9.0	-	-
Balance of County	4,205	19.4	1,158	5.3	101	24.0	74	17.6	3	.7
TOTAL	17,190	24.0	4,163	5.8	364	21.2	264	15.4	10	.6

Maternal Death Causes

- 1 - Toxaemias of pregnancy and the puerperium
- 2 - Sepsis of pregnancy, childbirth, and the puerperium
- 3 - Other complication of pregnancy, childbirth and the puerperium. Delivery without mention of complication.
- 4 - Abortion with Sepsis

REPORTED Communicable
Diseases in Oakland County
for 1961

Area

Area	Poliomyelitis	Rheumatic Fever	Rubella	Scarlet Fever	Tuberculosis		Whooping Cough
					Inactive cases	Active cases	
Berkley	-	5	2	20	3	4	1
Birmingham	-	2	69	28	3	2	1
Clawson	-	3	1	6	1	2	1
Farmington Area	-	2	1	15	5	6	2
Ferndale	-	5	1	23	8	10	-
Hazel Park	-	6	2	17	8	7	-
Huntington Woods	-	-	1	2	-	1	-
Madison Heights	-	3	-	6	4	9	-
Oak Park	-	3	6	31	8	3	-
Pleasant Ridge	-	-	2	1	1	-	-
Pontiac City	-	15	7	31	18	33	17
Rochester	-	1	-	-	-	-	1
Royal Oak	-	15	9	104	20	11	1
Royal Oak Township	-	3	-	21	-	2	1
Southfield Area	-	3	5	27	6	4	2
Troy	-	6	-	13	4	2	-
Eastern Townships	-	11	10	13	5	11	11
Northern Townships	-	6	1	12	7	5	2
Western Townships	-	6	-	6	3	5	-
Bloomfield and Bloomfield Hills	-	2	2	4	2	3	-
Commerce and West Bloomfield	-	8	5	14	7	3	1
Waterford	-	9	5	23	16	9	3
TOTALS	-	114	129	417	129	132	44

REPORTED Communicable
Diseases in Oakland County
for 1961

Area	Chickenpox	Intestinal Infections Salmonella, Shigella, etc.	Encephalitis and Meningitis (all forms)	Hepatitis	Measles	Mumps	Pneumonia (all forms)
Berkley	110	-	-	1	84	224	-
Birmingham	353	-	-	6	190	446	5
Clawson	33	4	-	4	24	56	-
Farmington Area	416	3	5	30	187	213	-
Ferndale	110	5	3	4	139	213	1
Hazel Park	60	6	3	17	40	77	1
Huntington Woods	1	1	-	-	5	13	-
Madison Heights	14	4	3	3	14	21	-
Oak Park	169	5	3	5	245	339	1
Pleasant Ridge	2	-	-	2	1	42	-
Pontiac City	368	4	2	79	323	672	1
Rochester	3	2	-	1	27	1	-
Royal Oak	388	12	8	22	253	518	-
Royal Oak Township	18	2	7	1	15	27	4
Southfield Area	290	5	7	8	372	339	1
Troy	51	-	4	5	63	167	2
Eastern Townships	145	2	-	59	111	68	2
Northern Townships	71	1	1	16	78	59	-
Western Townships	96	-	3	28	136	169	4
Bloomfield and Bloomfield Hills	50	1	-	4	125	91	-
Commerce and West Bloomfield	239	2	4	35	123	220	3
Waterford	323	5	3	30	627	443	2
* 3 Typhoid Fever Cases TOTALS	3,310	64	56	360	3,182	4,418	27

SUMMARY OF IMMUNIZATIONS COMPLETED
IN HEALTH DEPARTMENT CLINICS - 1961

Smallpox vaccinations - primary:

Under 1 year of age	1,168	
From 1 year thru 4 years of age	3,047	
5 years of age and older	<u>2,722</u>	
Total		6,937
Revaccinations (all ages)		7,737

Diphtheria immunizations:

Under 1 year of age	902	
From 1 year thru 4 years of age	1,778	
5 years of age and older	<u>1,706</u>	
Total		4,386
Boosters (all ages)		9,088

Poliomyelitis immunizations:

Under 1 year of age	223	
From 1 year thru 4 years of age	1,648	
5 years thru 14 years of age and pregnant women (all ages)	<u>1,352</u>	
Total		3,223
Boosters (all ages)		9,563

Tetanus immunizations:

Under 1 year of age	905	
From 1 year thru 4 years of age	1,761	
5 years of age and older	<u>1,701</u>	
Total		4,367
Boosters (all ages)		9,103

Whooping Cough immunizations:

Under 1 year of age	845	
From 1 year thru 4 years of age	1,761	
5 years of age and older	<u>114</u>	
Total		2,720
Boosters (all ages)		2,273

TOTAL services provided		59,397
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TUBERCULOSIS DIVISION
ACTIVITY REPORT - 1961

<u>X-RAYS:</u>	<u>NUMBER</u>	<u>TOTAL</u>
Cases	1,675	
Contacts	761	
Suspects	1,087	
Survey Type	<u>14,562</u>	
TOTAL X-RAYS		18,085
Positive Cases Tuberculosis Reported	132	
Inactive Cases Tuberculosis Reported	<u>129</u>	
TOTAL NUMBER ACTIVE AND INACTIVE TUBERCULOSIS CASES REPORTED		261
Positive Cases Tuberculosis found in Health Department Clinics	43	
Inactive Cases Tuberculosis found in Health Department Clinics	129	
<u>CLINIC SERVICES:</u>		
Tuberculin Tests	3,328	
Sputum Examinations	595	
Chemotherapy:		
Patients	334	
Treatments	1,234	
<u>SPECIAL PROJECTS:</u>		
Tuberculin Tests - Southeastern Michigan Tuberculin Testing Projects for school children in Oakland County started September, 1960 to May, 1961		37,236

VENEREAL DISEASE CONTROL

Venereal diseases continue to pose an increasing problem of major public health concern. Statistics, both locally and nationally, indicate these diseases are on the upswing, particularly among teenagers. Nearly 2 out of 5 cases of primary and secondary (infection) syphilis occur in this age group. During 1961, 119 cases of syphilis and 401 cases of gonorrhoea were reported to the Health Department from Oakland County. This puts venereal diseases in a class with our most common contagious diseases such as measles, chickenpox, and mumps. However, the problem is not often talked about because transmission is primarily through sexual relations. We have made efforts to expand our educational program and increased follow-up and contact investigations have also been instituted. However, more must be done, particularly in cooperation with local school systems, to achieve control over these serious diseases.

Venereal Disease Control Activity - 1961

Total cases reported in Oakland County:

Gonorrhoea	401
Syphilis	119

Number cases treated in our clinics:

Gonorrhoea	135
Syphilis	22

Number treatments given in our clinics:

Gonorrhoea and Syphilis	254
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Darkfield Examinations:	39
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Contacts Investigated:

Gonorrhoea and Syphilis	167
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DENTAL HEALTH SERVICES - 1961

This report is divided into two parts: the first covering services rendered in our 2 dental clinics and the second covering services rendered by dental hygienists in the schools through the various sodium fluoride application programs, such programs being under the supervision of the Health Department.

Report of Dental Clinics

SERVICES:

Total Examinations		7,001
Examination of new patients	3,772	
Examination of old patients	3,229	
Recurrent Visits	<u>4,479*</u>	
Total Number of Clinic Visits	11,480	
Extractions		4,323
Primary Teeth	3,297	
Permanent Teeth	1,026	
Local Anesthetic Used		9,296
Total Number of Fillings		12,105
Silver Amalgam	10,916	
Synthetic Porcelain	1,005	
Cement	58	
Acrylic Restorations	<u>126</u>	
Pulp Cappings		1,691
Dement Bases		11,726
Gingivitis Treatments		51
Prophylaxis		4,384
Fluoride Applications		3,975
Miscellaneous Operations		324
Space Maintainers		58
Root Canal Treatments		26
X-Rays		<u>96</u>
Total No. of Services		55,056

Report of Sodium Fluoride Application Programs

Number of Programs	26
Number of Hygienists Operating in these Programs	27
Number of Children Treated	20,136

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 - 1961

<u>INSPECTIONS AND FIELD VISITS:</u>	<u>1960</u>	<u>1961</u>
Restaurants, taverns, etc.	3,020	2,187
Grocery stores, markets	2,123	1,612
Slaughter houses and meat processing plants	484	417
School buildings	189	60
Institutions (hospitals, home for aged and other public establishments)	776	420
Resorts (children's camps, motels, etc.)	113	59
Industrial establishments	12	14
Milk processing plants	871	633
Dairy farms	906	939
Trailer parks	136	82
Public water supplies	501	407
Private water systems	409	414
Swimming places	374	464
Private sewage disposal facilities	3,092	2,419
Public sewerage systems	758	716
Septic tank cleaners' trucks	41	69
Stream and lake pollution	55	549
Housing	2,321	2,135
Subdivisions and building sites	3,495	2,804
Visits relating to communicable diseases	457	376
Garbage and refuse disposal places	858	399
Food borne infections	18	45
Accident prevention	4	15
Air pollution	4	18
Emergency sanitation	92	158
Insect and rodent control	329	278
 <u>SAMPLES COLLECTED:</u>		
Drinking water	1,449	2,163
Milk	808	592
Food	11	15
Water samples from lakes, streams and swimming pools	279	466
 <u>MISCELLANEOUS:</u>		
Construction plans approved	193	180
Complaints investigated	4,770	3,106
Meat-carcasses inspected	31,652	20,113
Meat-pounds condemned	18,745	18,545
Septic tank installations approved	2,152	1,299
Water supplies approved	139	109
Classes for foodhandlers	17	17
Septic tank permits issued	2,671	2,022
Food condemned-pounds		29,788
Homes visited		5,490
Talks		51
Office consultation		2,757
Telephone consultations		13,498

OAKLAND COUNTY — PONTIAC CITY HEALTH DEPT. LABORATORY

	NOSE AND THROAT CULTURES					SYPHILIS				GONORRHEA		WATER					MILK						FOOD			TOTAL						
	DIAGNOSTIC			CONTACT		Dark	Blood Ser.	Spinal	Quant.	Smear	Culture	Municipal	School	Private	Surface	Pool	RAW		PASTEURIZED				Swabs	Enteric	Staph.							
	Diph.	Hem. Strep	Vinc.	Diph.	Other												Dir. Mic.	SPC	Coli	B. Fat	Phos.	SPC					Ice Cream					
1. Contagious							1																								1	1.
2. Infirmary							970		39																					18	1,027	2.
3. North Oakland	1,073	1,842	2				3,454		50	227	6	1,054	57	210	260	50	1	165	44		44								1,852	11,035	3.	
4. Birmingham	1,027	1,560					1,227		33	18		23	11	38	1	289													1,583	8,830	4.	
5. Pontiac	1,765	3,864	24			38	5,259		124	1,297	144	711	44	72	15	307		1,321	422		403	403			393	5		3,857	23,567	5.		
6. South Oakland	24	34					2,204		16	118		727	9	203		271		5	146		146						34	4,071	6.			
7. Berkley	45	55					67		6	6	1	29				13											56	1,202	7.			
8. Ferndale	14	31					1,363		5	24		1				1											57	1,496	8.			
9. Hazel Park	2	2					635		6	2		6				2											7	662	9.			
10. Royal Oak City	212	404				5	3,833		53	264	10		2	14	4	94			473		473	473					410	6,939	10.			
11. Oak Park	3	8					1,526		15	7		59	10	6		33											8	1,785	11.			
12.																															12.	
13. Subm. to State																															13.	
TOTAL	4,225	7,820	26			43	27,623		352	1,663	161	2,730	123	1,139	276	1,631	1	1,461	1,095		1,076	1,076			393	5	7,782	60,615				

	BLOOD EXAMINATIONS										FECES		URINALYSIS			SPUTUM		ANTI BIOTIC SENSITIVITY	PERTUSSIS	PT	Root Canial	RCP	ASTO	TOTAL									
	R.B.C.	W.B.C.	Hem.	Diff.	R.H.	Inf. Mon.	Sed. Rate	Chem.	Coombs	Aggl.	Type	Enteric	Parasites	Occult Blood	Routine	Culture	Smear								Micro								
1. Contagious	60	60	60	60				20	2								39												301	1.			
2. Infirmary	25	25	25	25				16	2,666						1,238											30			52	1	4,058	2.	
3. North Oakland	36	36	38	38	751	1		4	1,442	94	3	2	67	4	50	2												51	2	5,649	3.		
4. Birmingham	6	6	6	6	690	4		1	9	65	4	2	30	6	24													54		929	4.		
5. Pontiac	46	45	46	46	2,287	4		2	28	200	6	16	52	7	412	1											2	217	2	3,609	5.		
6. South Oakland	6	6	6	6	537	1		1	5	48	11	16	14		16													26		712	6.		
7. Berkley	1	1	1	1	271	1		1	16	16	1	1	1	1														8		320	7.		
8. Ferndale	1	1	1	1	11				3	1			1															14		47	8.		
9. Hazel Park					96				15	17			2	2														5		145	9.		
10. Royal Oak City	275	275	275	272	516	2		45	183	58	10	1	72	24	89	2	1											100	8	2,368	10.		
11. Oak Park	1	1	1	1	213				6	11			5	15	2													22		283	11.		
12.																																12.	
13. Subm. to State																																4	13.
TOTAL	457	456	459	456	5,650	13		96	7,275	513	40	47	260	46	4	1,829	6	1	123	1	101	5	30	2	549	13	18,425						

LEADING CAUSES OF DEATH - 1961

In 1961, heart diseases remained the leading killer in Oakland County according to provisional figures released by our statistical division. During the past year various forms of heart disease took 1,532 lives, 109 less than 1960. Cancer was second with 775 deaths, up 5 from the preceding year; followed by strokes with 426, up 60; and accidents with 319 (133 of which were motor vehicle mishaps), up 44 from the year before.

Diseases of the circulatory system, with 126 deaths, remained in fifth place, up 9 from 1960.

Pneumonia (all forms) which accounted for 100 deaths last year--up 4 from 1960--jumped from seventh to sixth place, while diabetes, which took 91 lives--21 less than the preceding year--dropped from sixth to eighth place. In seventh place was congenital malformations, accounting for 97 deaths, an increase of 22.

Another position change, from eighth to ninth place, resulted from a slight decrease in the number of deaths (5) due to immaturity. In tenth place was postnatal asphyxia and atelectasis which took 60 lives, down 12 over the previous year.

Total number of deaths from all causes was 4,163, down 73 from 1960.

<u>CAUSE</u>	<u>NO. DEATHS</u>	<u>PERCENT</u>
1. Heart diseases (all forms)	1,532	36.8
2. Cancer (all forms)	775	18.6
3. Apoplexy	426	10.2
4. Accidents:	319	7.7
(Motor vehicle - 133)		
(Others - 186)		
5. Diseases of the circulatory system	126	3.0
6. Pneumonia (all forms)	100	2.4
7. Congenital malformations	97	2.3
8. Diabetes mellitus	91	2.2
9. Immaturity	84	2.0
10. Postnatal asphyxia & atelectasis	<u>60</u>	<u>1.5</u>
TOTAL (top 10 causes)	3,610	86.7
All other causes	<u>553</u>	<u>13.3</u>
TOTAL DEATHS - 1961	4,163	100.0

DEATHS BY INTERNATIONAL LIST OF CAUSES

Oakland County - 1961

(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, all other forms	A 5	2
Tabes Dorsalis	A 8	1
<u>SYPHILIS, ALL FORMS: (A9-A10)</u>		
All other syphilis	A 10	2
Scarlet Fever	A 17	1
Streptococcal Sore Throat	A 18	1
Septicaemia and pyaemia	A 20	2
Late effects of acute poliomyelitis and acute infectious encephalitis	A 30	1
Measles	A 32	1
Infectious Hepatitis	A 34	3
All other diseases classified as infective and parasitic	A 43	13
<u>MALIGNANT NEOPLASMS, ALL FORMS: (A44-A59)</u>		
Malignant neoplasm of buccal cavity and pharynx	A 44	21
Malignant Neoplasm of esophagus	A 45	10
Malignant neoplasm of stomach	A 46	48
Malignant neoplasm of intestine, except rectum	A 47	82
Malignant neoplasm of rectum	A 48	25
Malignant neoplasm of larynx	A 49	10
Malignant neoplasm of trachea, bronchus and lung, not specified as secondary	A 50	98
Malignant neoplasm of breast	A 51	87
Malignant neoplasm of cervix uteri	A 52	21
Malignant neoplasm of other and unspecified parts of uterus	A 53	21
Malignant neoplasm of prostate	A 54	35
Malignant neoplasm of skin	A 55	12
Malignant neoplasm of bone and connective tissue	A 56	13

CAUSE OF DEATH	Int. List No.	Total Deaths
Malignant neoplasm of all other and unspecified sites	A 57	209
Leukemia and aleukemia	A 58	42
Lymphosarcoma and other neoplasms of lymphatic and haematopoietic system	A 59	41
Benign neoplasms and neoplasms of unspecified nature	A 60	14
Thyrototoxicosis with or without goiter	A 62	1
Diabetes mellitus	A 63	91
Avitaminosis and other deficiency states	A 64	2
Anemias	A 65	8
Allergic disorders; all other endocrine, metabolic and blood diseases	A 66	38
Psychoses	A 67	1
Psychoneuroses and disorders of personality	A 68	5
Mental deficiency	A 69	3
Vascular lesions affecting central nervous system	A 70	426
Non-meningococcal meningitis	A 71	3
Multiple sclerosis	A 72	3
Epilepsy	A 73	8
Otitis media and mastoiditis	A 77	2
All other diseases of the nervous system and sense organs	A 78	16
Rheumatic fever	A 79	2
<u>HEART DISEASE, ALL FORMS: (A80-A83)</u>		
Chronic rheumatic heart disease	A 80	56
Arteriosclerotic and degenerative heart disease	A 81	1,309
Other diseases of heart	A 82	58
Hypertension with heart disease	A 83	109
Hypertension without mention of heart	A 84	29
Diseases of arteries	A 85	111
Other diseases of circulatory system	A 86	15
Acute upper respiratory infections	A 87	3
Influenza	A 88	2
<u>PNEUMONIA, ALL FORMS: (A89-A91)</u>		
Lobar pneumonia	A 89	20
Bronchopneumonia	A 90	46
Primary atypical, other and unspecified pneumonia	A 91	34
Acute bronchitis	A 92	2
Bronchitis, chronic and unqualified	A 93	10
Hypertrophy of tonsils and adenoids	A 94	1
Empyema and abscess of lung	A 95	1
All other respiratory diseases	A 97	36

CAUSE OF DEATH	Int. List No.	Total Deaths
Diseases of teeth and supporting structures	A 98	1
Ulcer of stomach	A 99	13
Ulcer of duodenum	A100	13
Appendicitis	A102	6
Intestinal obstruction and hernia	A103	26
Gastro-enteritis and colitis, except diarrhea of the newborn	A104	21
Cirrhosis of liver	A105	40
Cholelithiasis and cholecystitis	A106	10
Other diseases of digestive system	A107	30
<u>NEPHRITIS & NEPHROSIS, ALL FORMS: (A108-A109)</u>		
Acute nephritis	A108	2
Chronic, other and unspecified nephritis	A109	29
Infections of kidney	A110	14
Calculi of urinary system	A111	3
Hyperplasia of prostate	A112	9
Other diseases of genito-urinary system	A114	3
<u>MATERNAL DEATHS, ALL FORMS: (A115-A120)</u>		
Sepsis of pregnancy, childbirth, and the puerperium	A115	2
Toxaemias of pregnancy and the puerperium	A116	1
Abortion with sepsis	A119	4
Other complications of pregnancy, childbirth, and the puerperium. Delivery without mention of complication	A120	3
Arthritis and spondylitis	A122	4
All other diseases of skin and musculoskeletal system	A126	7
<u>CONGENITAL MALFORMATIONS, ALL FORMS: (A127-A129)</u>		
Spina bifida and meningocele	A127	7
Congenital malformation of circulatory system	A128	45
All other congenital malformations	A129	45
Birth injuries	A130	41
Postnatal asphyxia and atelectasis	A131	60
Infections of the newborn	A132	14
Haemolytic disease of the newborn	A133	8
All other defined disease of early infancy	A134	2
Ill-defined diseases peculiar to early infancy, and immaturity unqualified	A135	84
Senility without mention of psychosis	A136	1
Ill-defined and unknown causes of mortality	A137	11

CAUSE OF DEATH	Int. List No.	Total Deaths
<u>ACCIDENTS, ALL FORMS: (AE138-AE147)</u>		
Motor vehicle accidents	AE138	133
Other transport accidents	AE139	9
Accidental poisoning	AE140	6
Accidental falls	AE141	43
Accident caused by machinery	AE142	3
Accident caused by fire and explosion of combustible material	AE143	9
Accident caused by firearm	AE145	3
Accidental drowning and submersion	AE146	16
All other accidental causes	AE147	26
Suicide and self-inflicted injury	AE148	55
Homicide and injury purposely inflicted by other persons (not in war)	AE149	<u>16</u>
TOTAL		4,163

SUMMARY OF MEDICAL EXAMINER'S CASES

OCCURRING IN OAKLAND COUNTY - 1961

Accidents:

Automobile	102
Drowning	31
Falls	21
Conflagration	6
Suffocation	13
Absorption of gas	2
Other accidents	<u>20</u>
TOTAL	<u>195</u>

Suicide:

Firearms	22
Hanging	9
Poisoning (including carbon : monoxide)	11
Other	<u>10</u>
TOTAL	<u>52</u>

Homicide:

Firearms	13
Other	<u>2</u>
TOTAL	<u>15</u>

Other deaths without medical attention
within 36 hours:

Diseases of the heart and circulatory system	703
Diseases of the nervous system (including cerebral hemorrhage)	143
Cancer and other tumors	78
Diseases of the respiratory system	95
Diseases peculiar to the first year of life	7
All other causes	<u>43</u>
TOTAL	<u>1,069</u>

Total number of Medical Examiner's
Cases 1,331

Number of Autopsies 81

Number of Inquests 1

OAKLAND COUNTY DEPARTMENT OF HEALTH

DAILY LABORATORY COLLECTION STATIONS AND SCHEDULES - 1961

<u>STATIONS</u>	<u>TIME DUE</u>	
	<u>DAILY</u>	<u>SATURDAY</u>
ROCHESTER (Crissman Pharmacy)	9:30 A.M.	-----
KEEGO HARBOR (Keego Pharmacy)	12:30 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.

RABIES CONTROL REPORT - 1961

	<u>No. Reported</u> <u>Bites or Contacts</u>	<u>No. Patients</u> <u>Treated</u>	<u>No. Treatments</u> <u>Given</u>
North Oakland Area	1,534	5	42
South Oakland Area	1,326	9	27
TOTAL	2,860	14	69

Number of Patients Reported Bitten by Stray Animals

North Oakland Area	136
South Oakland Area	1
TOTAL	137

Number of Dogs Given Rabies Vaccine: 36,556

OAKLAND COUNTY HEALTH DEPARTMENT

PERSONNEL 1961

MEDICAL:

John D. Monroe, M.D.	Director
Frank J. Condon, M.D.	Deputy Director
Bernard D. Berman, 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
*Wilma Karian	Chronic Disease Nursing Instructor

ADMINISTRATIVE DIVISION:

Mary Rood	Administrative Assistant
Phyllis Hoadley	Clerk III
Barbara Lockard	Clerk III - Accounts
Anita Bommarito	Secretary
Carolyn Anderson	Secretary
Ila McCullough	Secretary
Marjorie O'Brien	Stenographer II
Betty Dirkse	Stenographer II
Marjorie Stover	Stenographer II
Margie Wright	Stenographer II
Glenda Crabill	Stenographer II
Karen Jennings	Stenographer I
Brenda Talley	Stenographer I
Ellen Ward	Sanitation Clerk
Patricia Helms	Clinic Clerk
Betty Farmer	Typist II
Jean Griffin	Typist II
Catherine Smith	Typist II
Marion Chase	Typist II
Hope Veal	Typist II
Lois Howard	Typist II
Sarah Wheatley	Typist I
Mary Freeman	Typist I
Carol Greig	Typist I
Vina Forrest	Clerk II
Ernestine Kline	Clerk II
Margaret Threet	Clerk I
James Strong	Clerk I
Clara Bodenbach	P.B.X. Operator I

NURSING DIVISION:

Evelyn Kidneigh, R.N.	Director of Nurses
Marjorie Gaston, R.N.	Educational Director
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
Kay Phelan, R.N.	Supervisor
Ann Fecko, R.N.	PHN III
Helen Clark, 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
Arlene Wickland, R.N.	PHN II
Joan Tabacchi, R.N.	PHN II
Dorris Donaldson, R.N.	PHN II
Donna Cavenee, R.N.	PHN II
Joyce Powell, R.N.	PHN II
Dorothy Cheney, R.N.	PHN II
Grace Purdy, R.N.	PHN II
Lorraine Hall, R.N.	PHN II
Donna Harrington, 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
*Virginia Schroeder, R.N.	PHN II
Chris Ferryman, R.N.	PHN II
Bernice Allen, R.N.	PHN II
*Joanne Thomas, R.N.	PHN I
*Helene Frakes, R.N.	PHN I
*Joanna Martin, R.N.	PHN I
Marion Barrett, R.N.	PHN I
*Barbara Bates, R.N.	PHN I
Myrna Howard, R.N.	PHN I
Naomi Markle, R.N.	PHN I
Juanita Fuller, R.N.	PHN I
Kathleen Kripke, R.N.	PHN I
Carolyn Dalton, R.N.	PHN I
Elizabeth Hanson, R.N.	PHN I
Margaret Kurta, R.N.	PHN I

Anna Streibig, R.N.
 Mary Anderson, R.N.
 Eleanor McMath, R.N.
 Helen Placeway, R.N.
 Bernice Huntoon, R.N.
 Patricia Butler, R.N.
 Gladys Beach, R.N.
 Ruth Barkey, R.N.
 Carolyn Wooster, R.N.
 Constance Hadley, R.N.
 Nora Keith, R.N.
 Marie Rodriguez, R.N.
 Mary Dimas, R.N.

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 PHN I
 Civil Defense Nursing Representative
 Vision and Hearing Technician

SANITATION DIVISION:

Russell Colton
 Robert Coleman
 Henry Constantino
 Owen Birchman
 Oscar Boyea
 Charles Fuller
 Melvin Goldman
 Lawrence Lamont
 Edward O'Rourke
 Ervin Schreiber
 Robert Andreski
 Edward Cronin
 F. Hugh Wilson, D.V.M.
 Richard Wells
 Theodore Barr, D.V.M.
 Max Gordon, D.V.M.

Director
 Assistant Director
 Assistant Director
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Sanitarian
 Meat and Milk Supervisor
 Meat and Milk Inspector

TUBERCULOSIS CONTROL DIVISION:

*Ellsworth Garroll

Dorothy Martin
 Ruth Key
 Essie Branch
 Margaret Duncan
 Celia Fardell
 Ruth Wollak

Associate Tuberculosis Coordinator-
 Investigator
 Clerk III - X-Ray Technician
 Clerk III - X-Ray Technician
 Clerk II - X-Ray Technician
 Stenographer II
 Stenographer I
 Typist II

DENTAL DIVISION:

Richard Christl, D.D.S.
 Russell Campbell, D.D.S.
 Chris Christie, D.D.S.
 Samuel Applebaum, D.D.S.
 Kenneth Wysocki, D.D.S.
 *Helen Kulidjian, R.D.H.
 *Janet Mack, R.D.H.
 *Leone Crowson
 *Mary Lu Walsh
 Patsy Caswell
 Janet Fremlin
 Colleen O'Halloran
 Minnie Blasko

Senior Dentist
 Dentist
 Dentist
 Dentist
 Dentist
 Dental Hygienist
 Dental Hygienist
 Dental Hygienist
 Dental Hygienist
 Dental Clinic Assistant
 Dental Clinic Assistant
 Senior Dental Clinic Assistant
 Dental Clinic Assistant

LABORATORY DIVISION:

Paul Thivierge	Director
Richard Montgomery	Senior Medical Technician
Edward Zorvan	Senior Medical Technician
Evelyn Sawyer	Medical Technician Aide
Ruth Carlsen	Laboratory Helper
Elsie Regal	Laboratory Helper
Thomas Sawyer	Deliveryman

OTHERS:

*Clifford Eldridge	Custodial Worker
*Lester Hardiman	Custodial Worker
*Theodore Hardiman	Custodial Worker

*Salary not paid with Health Department funds

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Frank J. Voll, Sr.
Frank F. Webber
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OAKLAND COUNTY

DEPARTMENT OF HEALTH

CENTRAL OFFICE:

1070 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