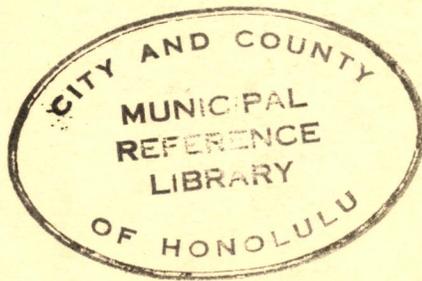




# ANNUAL REPORT

*Honolulu.*  
CITY & COUNTY HEALTH DEPARTMENT

1939



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1939

**For Reference**

**Not to be taken from this room**

RA 448  
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1939

January 1st, 1940

Honorable Mayor Chas. S. Crane  
and Members of the Board of Supervisors  
City and County of Honolulu  
Honolulu, T. H.

Gentlemen:

I submit herewith Annual Report of the work accomplished by your Health Department for the year ended December 31st, 1939:-

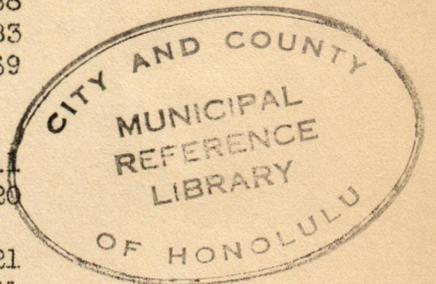
THE EMERGENCY UNIT

Emergency cases requiring surgical attention numbered 8,100 while 3,636 medical cases were treated, making a total of 11,736 emergency cases. Of this total number, there were 8,192 males and 3,544 females.

Automobile traffic accidents during the year 1939 numbered 2,051 in which 1,663 persons were injured. Of this number 1,055 were treated at the Emergency Unit. It cost the City and County \$2,542.60 to hospitalize 52 indigents who were injured in automobile accidents. A total of 37 deaths occurred on Oahu from automobile traffic accidents; all of these victims were examined by our physicians to determine the cause of death, of which 12 cases involved alcoholic drivers. There were 16 persons treated from injuries received in street-car accidents during the year. There were 154 motor-cycle accidents.

Of the total number of emergency cases, the following classification is of interest:-

Fractures reduced .....	568
Alcoholics examined and treated .....	583
Assault & Battery Cases cared for ....	469
Cases where the injuries received were from fireworks, resulting in disfiguring scars .....	11
Burns other than from the above .....	220
Poison Cases (mostly involving children) .....	121
Food poisoning cases .....	41
Suicidal attempts .....	69
Dog Bites attended .....	128
Other bites .....	104
Cases of infection caused by neglect of wounds .....	489
Gunshot wounds .....	11
Stab wounds .....	23



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Asthmatics relieved .....	263
Communicable disease cases diagnosed ...	273
Sprains attended .....	180
Nail wounds treated .....	248
Other puncture wounds such as fish bones splinters, etc. ....	224
Infants suffering from malnutrition cared for .....	4
Cases of epilepsy revived .....	49
Foreign bodies in eyes .....	149
Cases of conjunctivitis relieved .....	73
Dislocations reduced .....	82
Children in convulsions revived .....	49
Boils lanced and treated .....	155
Cases of constipation relieved .....	118
Head injuries suffering from concussion.	66
Drowning cases requiring the use of a resuscitator .....	5
Industrial Accident Cases attended (Not C&C) .....	141
Amputations done .....	27
Hernia cases diagnosed and referred to general hospitals for repair ....	20
Incised wounds, lacerations, hematomas, abrasions, contusions, etc.....	6230
Household accidents (lacerations, etc.)..	102
Upper respiratory infections .....	46
Number of persons brought in for care of injuries received from falls ....	134

The disposition of all emergency cases after treatment follows:-

Total number of cases .....11,736

Treated and discharged .....,....	4081
Treated and asked to return .....	229
Treated and discharged to police .....	1038
Given palliative care and referred to their own physicians .....	3126
Treated and turned over to the Naval Shore Patrol .....	35
Treated and turned over to Navy Physician	26
Treated and referred to their respective companies' compensation physician ...	203
Treated and turned over to Military Police .....	66
Treated and discharged to the U.S. Dispensary .....	11
Treated and transferred to Tripler General Hospital .....	23
Treated and transferred to Queen's Hospital .....	871

Treated and transferred to St. Francis Hospital .....	121
Treated and transferred to Kaulikeolani Children's Hospital .....	350
Treated and transferred to Japanese Hospital .....	61
Treated and transferred to Kapiolani Maternity & Gynecological Hospital ...	2
Treated and transferred to Naval Hospital .....	16
Treated and transferred to U. S. Public Health Service .....	7
Treated and transferred to Maluhia Home .....	12
Treated and discharged to C&C Jail .....	19
Treated and referred to Territorial Hospital .....	6
Fatalities received and sent to the Morgue .....	117
Treated and referred to the Palama Settlement Dispensary for subsequent treatment .....	1316

An analysis of the time schedule for these cases is of interest. Of the 11,736 cases received,

4,447 occurred between 7:00 A.M. and 3:00 P. M.,  
5,610 occurred between 3:00 P. M. and 11:00 P. M. and  
1,679 occurred between 11:00 P.M. and 7:00 A. M.

A nationality scale shows the following:-

Caucasians .....	2,195
Portuguese .....	2,092
Japanese .....	1,592
Part-Hawaiians .....	1,833
Hawaiians .....	1,103
Porto Ricans .....	774
Filipinos .....	708
Chinese .....	679
Koreans .....	395
Spanish .....	88
Negroes .....	35
All Others .....	241

The cost of operating the Health Department during the last year shows a slight increase due to a sharp increase in the number of patients received and cared for:-

	<u>1938</u>	<u>1939</u>
Purchase, new ambulance .....	-0-	4,695.00
Salaries and Payrolls .....	73,093.30	72,699.66
Substitutes Salaries .....	-0-	2,467.03
Maintenance and Support .....	13,995.16	11,431.28
Operation of Morgue, M. & S. ....	287.50	99.99
General Hospital Expense .....	119,960.56	139,625.73
Psychiatric Hospitalization - observation only .....	3,582.30	5,229.05
Queen's Hospital, Occupational Therapy .....	500.00	500.00
Burial of Indigent Dead .....	4,804.63	4,933.07
Financial Investigation - Auto- mobile Allowance .....	360.00	360.00
Food Inspection - Automobile Allowance .....	1,133.35	1,131.25
Rural Physicians, Medical Supplies	383.51	354.78
Construction, Ambulance Shed .....	<u>-0-</u>	<u>394.48</u>
	<u>\$218,100.11</u>	<u>243,921.32</u>

There were a total of 1,652 calls made by the ambulances during the past year. 401 of these were in answer to emergency calls, 1,231 were transfers from homes to hospitals and nursing homes and/or vice versa, and 20 requests for the ambulance were false alarms.

A 1940 Packard Henney, 3 patient carrier ambulance was purchased and delivery made in November. This cost the City and County \$4,695.00.

The cost of operating the ambulance is as follows:-

Purchase, Packard-Henney Ambulance .....	4,695.00
Gasoline, oil, repairs, tires, etc. ....	1,263.97
Insurance .....	58.39
Depreciation .....	1,069.50
Emergency staff (S&P less 50% - other duties) .....	<u>7,853.00</u>
	<u>\$14,939.86</u>

CITY AND COUNTY PHYSICIAN

Number of cases treated by the Physician's Department during the year:

Physical examinations, C&C employees .....	216
Industrial Accident Cases involving C&C employees .....	550
City and County Prisoners examined .....	1461
"    "    "    "    "    given medication .....	292
Assault and battery cases examined for Courts .....	8
Sex irregularity cases examined .....	158
Cases of venereal disease found .....	6
Examinations made to determine pregnancies .....	9
Autopsies performed for the Coroner .....	236
Investigations made where cause of death was obvious .....	7
Examinations made for applicants of driver's license to determine extent of physical defects .....	15
Daily medical patients .....	5978
House visits made to indigent sick in homes .....	2207
Yearly police physical examinations - applicants .....	44
Examination of applicants for the Fire Department .....	32
Individuals found mentally ill and sent to the Territorial Hospital for special treatment .....	220

Although there was only 1 suspected alcoholic driver examined at the Emergency Hospital, there were 368 individuals examined by the Police Department. The danger of the alcoholic driver is well shown by the following figures:-

Total number of automobile accidents .....	2051
Number of drivers involved in above accidents .....	2994
Drivers under influence of alcohol .....	320
Total pedestrians involved in accidents .....	499
Pedestrians under influence of alcohol .....	27
Total fatalities .....	37
Fatalities from alcoholic drivers .....	0
Accidents resulting in property damage only .....	810
Accidents resulting in injuries requiring hospitalization or first-aid treatment, but non-fatal .....	1663

Dr. F. W. Thompson was appointed rural physician for the Aiea district, making a total of seven rural physicians, who work under the direction of the City and County Physician, operating clinics for indigent sick in the following localities:-

Ewa-Nanakuli; Aiea; Waianae-Waipahu; Wahiawa; Waiialua; Koolaulou and Koolaupoko.

## GENERAL HOSPITALIZATION

Summary of the service rendered by hospitals from January 1st to December 31st, 1939, is as follows:-

Patients Hospitalized .....	4593
Number Hospital Days .....	37229
Average stay in hospitals per patient .....	8.10
Patients who had all hospital expenses paid .....	4350
Patients who had part of their hospital expenses paid .....	243
Patients able to pay their own bills and therefore refused C&C hospitalization .....	217
Savings to C&C made possible by financial investigation .....	\$ 4,903.05
Total cost for above hospitalizations .....	\$139,625.73
Average cost per patient per day .....	\$ 3.75

The average cost per day for patients in the various hospitals in Honolulu is as follows:-

Queen's .....	\$4.74	St. Francis .....	\$4.06
Japanese .....	\$3.72	Children's .....	\$3.04
Kapiolani .....	\$4.53		

There were 37 hospitalizations to curb venereal disease, costing the City and County of Honolulu \$1,482.60 for 336 hospital days, in Queen's, St. Francis and Children's Hospitals.

Communicable disease hospitalizations (tuberculosis, pneumonia, diphtheria, measles, chicken pox, typhus, whooping cough, etc.,) of 351 persons cost \$13,937.80. Hospital days totaled 4,044.

Fifty-one firemen and policemen suffering injuries received in line of duty in Honolulu and rural districts cost the Health Department \$1,717.40 for 230 hospital days.

During the past year there were 164 applicants for psychiatric hospitalization. 145 of this number were accepted as indigents and 3 as part City and County liability. 16 were rejected. Hospital days numbered 823, at a total cost of \$5,229.05 or an average cost per patient day of approximately \$6.353.

## MALUHIA HOME

On the first of January, 1939, the Maluhia Home was caring for a total of 115 patients.

There was a total of 43,199 hospital days costing the City and County \$53,022.90 or approximately \$1.22 per patient per day to feed, shelter, clothe, furnish medical and nursing care to the sick during the year. These expenditures are distributed as follows:-

Salaries and payrolls .....	\$ 26,782.88
Food supplies .....	12,774.42
Medical supplies .....	2,608.94
Materials, supplies and incidentals .....	7,022.09
Occupational therapy, tools and equipment .....	84.61
Repairs and maintenance .....	548.23
Vacation relief .....	873.30
Purchase, linen supplies .....	2,051.13
Repairs to washing machine .....	63.70
Repairs to laundry building .....	20.81
Insurance, boiler .....	106.52
Repairs to stonewalls .....	30.24
Building improvement - partial labor .....	56.03
	<u>53,022.90</u>
Less: Cash deposited with C&C Treasurer .....	<u>1,625.77</u>
	<u>\$ 51,397.13</u>

A total of 789 patients were admitted for care during the year, 556 of whom were male and 233 female; 454 of these male patients were discharged and 191 females, making a total of 645 patients who recovered sufficiently to take their places among society; 46 were transferred to General Hospitals for further care. There were 98 patients who expired during the year, 88 being male and 10 female.

The Occupational Therapy Department has continued to give effective rehabilitation service to those unfortunates requiring it. From the sale of articles made by these patients, \$23.76 was collected, less disbursements amounting to \$9.50, leaving a net balance of \$176.66 in the bank at the close of business December 31st, 1939.

#### FINANCIAL INVESTIGATION

	<u>C&amp;C</u>	Part <u>C&amp;C.</u>	<u>Disap- Proved</u>	<u>Total</u>
Applicants for admission to:-				
Queen's Hospital.....	2240	79	581	2900
Kauikeolani Children's .....	1005	37	121	1163
St. Francis Hospital .....	658	21	97	776
Japanese Hospital .....	170	1	6	177
Kapiolani Maternity & Gyne. ....	57	20	8	85
Ewa Plantation .....	32			32
Weipahu Plantation .....	20			20
Aiea Plantation .....	9			9
Kahuku Plantation .....	86	1	1	88
Waialua .....	19			19
Maluhia Home .....	732	7	2	791
Investigations for burials .....	169	16	168	353
Mental Health Clinic .....	145	3	16	<u>164</u>
 TOTAL INVESTIGATIONS .....				 6577

## LABORATORY DEPARTMENT

Laboratory work done is as follows:-

Total number of blood Wassermann's run .....	1,068
Total number positive Wassermann's .....	74*
Total number of G. C. Smears examined .....	354
Total number positive G.C. smears .....	20*
Total number alcoholic determinations .....	27
Total number urine specimens examined .....	1,736
Total number blood counts .....	227
Total number blood chemistries run .....	173
Total number sedimentations done .....	2
Total number of cultures run .....	14
Total number sputums examined .....	<u>54</u>
 TOTAL NUMBER LABORATORY SPECIMENS EXAMINED .....	 <u>3,655</u>

### MORGUE.

The City and County Morgue, operated in conjunction with the Coroner's Office, received 878 cadavers for the following specific purposes:-

Investigations when cause of death is obvious .....	7
Autopsies in cases of accidental and violent deaths .....	112
Autopsies in cases of unattended deaths .....	426
Cremation of stillbirths and indigent infants .....	160
Autopsies performed on stillbirths and indigent infants to determine cause of death prior to cremation .....	41
Storage awaiting undertaker or final disposition ....	132

### FOOD INSPECTION

Food inspection, as in the past, was carried on by five inspectors, as follows:- Hing Kai Luke, Milk Bacteriologist; Carl Bergstrom, Meat Inspector; Abel Fraga, Assistant Meat Inspector; Herman Clark, Poi Inspector and Jesse Uluihi, Fish Inspector. These inspectors working under the direction of the Territorial Food Commissioner, Mr. M. B. Bairos, utilize the laboratories of that department for their technical findings as there are no facilities to accommodate them at the Emergency Unit.

Milk Inspection: The analytical results of the milk taken from milk distributors gave an average butterfat test of 3.96%, solids test of 12.80% and a median count of 5,800. Milk samples from our producers showed the following - average butterfat 3.91%, solids 12.64% and median bacteria count 23,000. Samples taken

from semi-commercial dairies showed averages of 3.81% for butter-fat, 12.32% for solids and 10,000 for bacteria count.

A total of 934 samples were examined for sediment. The summarized results of these tests showed that 633 samples rated clean, 297 samples rated fairly clean, and 4 samples rated slightly dirty.

Our milk herd numbers about 6,211 cows and our milk production is about 50,460 quarts, an increase of 952 quarts, from 4,970 milking cows. Approximately 38,015 quarts or 75.34% is sold as pasteurized milk; 5,060 quarts or 10.03% as certified milk; and 7,385 quarts or 14.63% is sold as raw and not certified.

The consumption of pasteurized milk has increased 4.44%, certified milk 1.13% and raw but not certified milk 5.57%, in the past year.

There was a total of 64 dairies scattered throughout the City and County of Honolulu, in operation during the year.

Meat Inspection: During the year, 42,177 animals were slaughtered for market; carcasses retained numbered 617 and carcasses condemned numbered 313. There were 5,275 parts condemned for tuberculosis, worms and abscesses, flukes and abscesses and downers. 4,147 pounds of pork and beef were condemned because they were sour and tainted, bruised and electrocuted.

During the 12 month period, 9,680 inspections were made of which 1,309 showed minor violations.

Poi Inspection: A total of 5,399 inspections were made with 97 faulty practices noted and corrected. 169 samples of poi were collected and tested from 14 factories, showing an average solidity test of 31.31%. Eighty samples of ready-mixed poi were collected from cafes showing an average of 18.28% solid content. There were 3,769,002 pounds of poi manufactured during the year, averaging 314,084 pounds per month.

Fish Inspection: A total of 34,968 inspections were made at fish stalls, ice-boxes, and peddlers carts. There were 4,953,020 pounds of fish offered for sale during the year. 963 pounds of fish were condemned as unfit for human consumption.

I wish to extend my appreciation to you, Mr. Mayor, and the members of the Board of Supervisors, for your interest and cooperation in the affairs of the City Health Department. The foregoing brief summary of the many and varied endeavors indicates constant growth of all Department activities and I commend to you the patient, intelligent service rendered by your entire staff of physicians, surgeons, nurses and attendants.

Honolulu continues to enjoy a lower per capita cost for services rendered by it's Health Department than most mainland cities of similar size.

The Emergency Unit cared for 11,736 emergencies, consisting of adequate and thorough First Aid, and prompt, careful disposition to the proper authorities for subsequent follow-up care.

General hospital costs were \$3.75 per patient day (all hospitals), benefiting 4,593 individuals, a total of 37,229 hospital days for \$139,625.73.

Convalescent hospital costs were \$1.22 per patient day of 43,199 hospital days benefiting 789 individuals, (chronic illnesses or convalescents requiring minimum ward care under medical supervision) who would have to be otherwise cared for in the general hospitals were not Maluhia Home facilities available. Under the direction of Miss Ethel Thomas, R. N., since it's establishment in 1931, Maluhia Home has consistently saved at least \$2.50 per patient day. At it's present capacity it saves in general hospitalizations, \$300.00 daily or \$109,500.00 annually.

It seems reasonable therefore that budgetary requests for increasing it's capacity be reconsidered when funds are available. Honolulu is in serious need of additional convalescent ward beds at these minimum rates. A definite plan should be considered now and steps taken to provide Honolulu with additional -

Ward beds for certain convalescent surgical cases, i.e. orthopedic, etc.

Ward beds for medical cases not acutely ill:-  
diabetic, nephritic, apoplectic.

Ward beds for infants and maternity cases, especially rural Oahu, to combat a still too high infant and maternal death rate.

A home for dependant children awaiting placement in foster homes.

A home for juvenile delinquents where adequate care and study of the child may be had.

I wish also to call your attention to the need for revision of the present ordinances appertaining to Health, in order that certain reduplications of authority may be deleted and specific authorization given the City and County Physician's Department.

I would like to recommend that you, as a body, set aside time during the next few months to review the work of the Health Department, it's cost, operation and administration, in order that you may familiarize yourselves further with it's varied activities, and anticipate the demands that will be made upon it, and on YOU, for it's support.

Again, Gentlemen, I thank you and submit this brief summary for your information and guidance.

Respectfully submitted,  
R. B. Faus, M. D.

