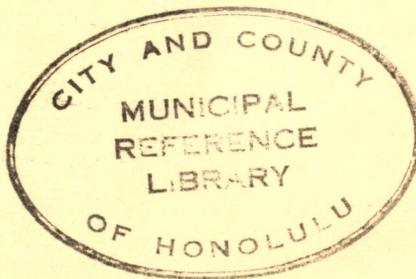




# ANNUAL REPORT

*Honolulu.*  
CITY & COUNTY HEALTH DEPARTMENT

1937



RA448  
H6  
1937

**For Reference**

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7/09 Jan. 1941

Honorable Mayor G. Fred Wright and  
Members of the Board of Supervisors,  
City and County of Honolulu  
Honolulu, T. H.

RA448  
H6  
1937

Gentlemen:

I am pleased to submit herewith the Annual Report for the work accomplished by your Health Department during the year 1937:-

THE EMERGENCY UNIT

Emergency cases requiring surgical attention numbered 7,176 while 3,864 medical cases were treated, making a total of 11,040 emergency cases. Of this total number, there were 7,952 males and 3,088 females.

Automobile traffic accidents during the year 1937 numbered 1,764 in which 1,803 persons were injured. Of this number 1,086 were treated at the Emergency Unit. It cost the City and County \$4,372.25 to hospitalize 44 indigents who were injured in auto accidents. A total of 40 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 nine cases involved alcoholic drivers. There were 67 persons treated from injuries received in street-car accidents during the year, with one case hospitalized costing the City and County \$21.95, and 86 injured in motorcycle accidents at a cost of \$91.90 to the City and County for hospitalization.

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

Fractures reduced .....	488
Alcoholics examined and treated .....	852
Assault & Battery Cases cared for .....	599
Cases where the injuries received were from fireworks, most of which resulted in disfiguring scars (3 lost sight of one eye).....	10
Burns other than from the above .....	178
Poison Cases (mostly involving children) .....	52
Food poisoning cases .....	33
Suicidal attempts .....	68
Dog Bites attended .....	72
Other Bites .....	48
Cases of infection caused by neglect of wounds .....	432
Gunshot wounds .....	27
Stab Wounds .....	15

Asthmatics relieved .....	232
Communicable disease cases diagnosed .....	170
Sprains attended .....	138
Nail wounds treated .....	208
Other puncture wounds such as fish bones, splinters, etc. ....	306
Infants suffering from malnutrition cared for .....	4
Cases of epilepsy revived .....	48
Foreign bodies in eyes .....	140
Cases of conjunctivitis corrected .....	32
Dislocations reduced .....	61
Children in convulsions revived .....	28
Boils lanced and treated .....	96
Cases of constipation relieved .....	172
Head injuries suffering from concussion ....	48
Drowning cases requiring the use of a resuscitator .....	6
Industrial Accident cases attended (Not C&C) .....	128
Amputations done .....	40
Hernia cases diagnosed and referred to general hospitals for repair .....	21
Incised wounds, lacerations, hematomas, abrasions, contusions, etc. attended .....	4284
Household accidents (lacerations, wringer accidents, etc.) .....	84
Upper respiratory infections .....	137
Number of persons brought in for care of injuries received from falls .....	331

The disposition of all emergency cases after treatment follows:-

Total number cases ..... 11,040

Treated and discharged .....	4287
Treated and asked to return .....	101
Treated and discharged to police .....	1430
Given palliative care and referred to their own physicians .....	2234
Treated and turned over to the Naval Shore Patrol .....	100
Treated and turned over to Navy Physicians .	27
Treated and referred to their respective companies' compensation physicians .....	186
Treated and turned over to Military Police .	58
Treated and discharged to the U.S. Dispensary .....	4
Treated and transferred to Tripler General Hospital .....	29
Treated and transferred to Queen's Hospital.	741

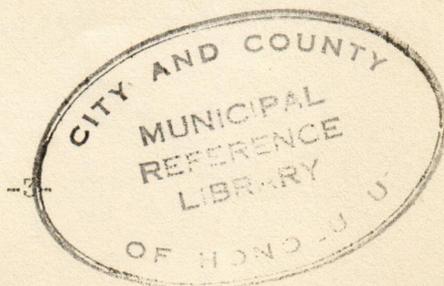
Treated and transferred to St. Francis Hospital .....	125
Treated and transferred to Kauikeolani Children's Hospital .....	256
Treated and transferred to Japanese Hospital .....	69
Treated and transferred to Naval Hospital	26
Treated and transferred to U.S. Public Health Service .....	11
Treated and referred to the Palama Dispensary for subsequent treatment ...	2225
Treated and transferred to the C&C Indigent Invalid Home .....	16
Treated and transferred to Detention Home .....	3
Treated and referred to the Tuberculosis Bureau .....	3
Fatalities received and sent to the Morgue .....	109

An analysis of the time schedule for these cases is of interest. Of the 11,040 cases received,

4,187 occurred between 7:00 A.M. and 3:00 P.M.  
5,210 occurred between 3:00 P.M. and 11:00 P.M.  
1,643 occurred between 11:00 P.M. and 7:00 A.M.

A nationality scale shows the following:-

Caucasians .....	2209
Portuguese .....	1989
Japanese .....	1722
Part-Hawaiian.....	1428
Hawaiian .....	1025
Porto Rican .....	785
Filipino .....	653
Chinese .....	670
Korean .....	337
Spanish .....	77
Negroes .....	55
All Others .....	90



The cost of operating the Health Department during the last year shows a slight increase over that of 1936, which is in accordance with the increased service rendered:-

	<u>1936</u>	<u>1937</u>
Purchase, new ambulance .....	-0-	4,200.00
*Salaries and Payrolls .....	51,681.26	66,271.87
Substitutes Salaries .....	2,751.90	515.00
Vacation Substitutes .....	-0-	515.00
Materials, Supplies & Incidentals .....	12,574.13	13,380.54
Operation of Morgue, M.S.I. ....	676.47	387.18
General Hospital Expense .....	96,256.06	125,597.12
Psychiatric Hospitalization (observation only) .....	521.95	1,915.10
Burial of Indigent Dead .....	5,331.75	3,741.46
Financial Investigator - Automobile Allowance .....	360.00	360.00
Food Inspection - Automobile Allowance .	1,112.50	1,116.45
Rural Physicians, Medical Supplies .....	524.10	531.00
Purchase of Electric Fans .....	219.50	-0-
	<u>\$172,009.62</u>	<u>\$218,530.72</u>

\* The sharp increase in the salaries and payrolls expenditures is due to a general re-classification of City and County personnel in July, 1937, resulting in salary increases and the addition of several staff members to increase the efficiency of the department and to allow weekly days off, mandatory by law.

Ambulance service has been carried on continuously since 1931, giving a gratifying and much needed service to the community.

There were a total of 1,966 calls made, 377 of which were in answer to emergency calls, 1,072 were transfers from homes to hospitals and nursing homes and/or vice versa, and 52 requests for the ambulance were false alarms; 465 trips were made to the Indigent Home during the year to transfer patients to Dental and Venereal Disease Clinics and places of employment, etc.

The cost of operating the ambulance is as follows:-

Purchase 1937 Buick Ambulance .....	\$ 4,200.00
Gasoline, oil, repairs, tires, etc. ....	692.20
Insurance .....	178.00
Depreciation .....	1,680.00
Emergency Staff (S&P less 50% - other duties) .....	<u>7,620.00</u>
	\$14,370.20

CITY AND COUNTY PHYSICIAN'S DEPARTMENT

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

Industrial Accident Cases involving City and County employees ..	426
City and County Prisoners examined and cared for .....	408
Assault and Battery Cases examined and cared for, for the courts .....	10
Sex Irregularity cases examined .....	227
Cases of venereal disease found .....	75
Examinations made to determine pregnancies .....	42
Autopsies performed for the coroner .....	219
Investigations made where cause of death was obvious .....	5
Examinations made for applicants of driver's license to determine extent of physical defects .....	27
Daily medical patients .....	1591
House visits made to indigent sick in homes .....	1672
Yearly police physical examinations .....	351
Examinations of applicants for firemen .....	6
Individuals examined as to sanity .....	235
(Of this number, 153 were found insane; evidence presented )	
(in District Court resulted in commitment of these individuals. )	
(82 were found not a menace to the community and were re- )	
(leased after examination. )	
Chronic alcoholics examined .....	62
(39 were found totally unable to control their desire for al- )	
(coholic beverages and committed by District Court Judges to )	
(the "Special Ward" at the Territorial Hospital for treatment. )	
(23 of the total number were found not a menace to society and )	
(in instances where jail sentences for vagrancy were not im- )	
(posed, they were held under observation in Queen's Hospital )	
(until they had recovered sufficiently to be discharged. )	
Examinations of Feeble-minded Persons .....	4
(There were 2 feeble-minded persons committed for institutional )	
(care and 2 allowed to remain at home under supervision during )	
(the past year. )	
Examinations made on persons addicted to the excessive use of opiates .....	29
(All of the above were committed to the Territorial Hospital )	

Although there were only 8 suspected alcoholic drivers examined at the Emergency Hospital, the greatest proportion of this was done at the Police Department by police officers, referring only borderline cases for our doctors to examine.

The ever-increasing danger of the alcoholic driver is well shown by the following figures:-

Total number of automobile accidents .....	1,764
Number of drivers involved in above accidents	2,460
Drivers under influence of alcohol .....	376
Total pedestrians involved in accidents .....	517
Pedestrians under influence of alcohol .....	58
Total fatalities .....	40
Fatalities from alcoholic drivers .....	9
Accidents resulting in property damage only ...	435
Accidents resulting in injuries requiring hos- pitalization or first-aid treatment, but non-fatal .....	1,199
Fatal accidents .....	40

Rural physicians, working under the direction of the City and County Physician, operated weekly clinics for indigent sick in the Ewa-Nanakuli, Waianae-Waipahu, Wahiawa, Waialua, Koolauloa and Koolaupoko districts. In addition, medico-legal work for the police in country districts was done. Indigents requiring hospitalization were either confined in plantation hospitals in their districts or referred to Dr. Mossman for general hospitalization in town.

#### GENERAL HOSPITALIZATION

Summary of the service rendered by hospitals from January 1st to December 31st, 1937, is as follows:-

Patients Hospitalized .....	4,249
No. Hospital Days .....	35,529
Average stay in hospitals per patient .....	8.36
Patients who had all hospital expenses paid .....	3,691
Patients who had part of their hospital expenses paid ...	335
Patients able to pay their own bills and therefore refused C&C hospitalization .....	223
Savings to C&C made possible by financial investigations. \$	4,908.52
Total cost for above hospitalizations .....	\$ 125,597.12
Average cost per patient per day .....	\$ 3.53

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

Queen's .....	\$4.47	St. Francis .....	\$3.74
Japanese .....	\$3.53	Children's .....	\$2.99
Kapiolani .....	\$4.26		

To control venereal disease, 84 persons were hospitalized, costing the City and County of Honolulu \$2,528.45 for 562 hospital days, in Queen's, St. Francis and Children's Hospitals.

Contagious disease hospitalizations (tuberculosis, diphtheria, measles, chicken pox, typhus, typhoid, etc.) of 165 persons cost \$5,789.45. Hospital days totaled 1732.

Firemen and policemen suffering injuries received in line of duty in Honolulu and rural districts cost the Health Department \$4,284.85 to hospitalize and care for during the year.

The examination of mentally ill was conducted as part of the daily routine. Only those cases with advanced psychosis were committed to the Territorial Hospital. Border-line cases were detained in Queen's Hospital during the acute phases of their illness and returned home with follow-up by our part-time psychiatric social service worker.

During the year there were 96 applicants for psychiatric hospitalization, 95 of whom were accepted as indigents and 1 as a part City and County patient, detained at Queen's Hospital under observation. Hospital days numbered 211 at a total cost of \$1,915.10 or an average cost per patient day of \$9.08.

Through the auspices of the Honolulu Chamber of Commerce and the University of Hawaii, Dr. Franklin G. Ebaugh of Denver, Colorado conducted a survey of Mental Health Problems in Hawaii last summer, with the result that five major recommendations were made, most important of which is the establishment of a Psychiatric Clinic for the examination and treatment of mentally ill. The value of such a clinic to any community is beyond a doubt and it is hoped that we are given an opportunity to demonstrate its economic importance to this community during the year 1938.

#### INDIGENT INVALID HOME

On the first of January, 1937, the Indigent Home was caring for a total of 82 patients, 68 of which were male and 14 female.

During the year, an extensive building program was carried on by the City and County, with the Works Progress Administration furnishing the labor, at a cost to them of \$13,413.74. It cost the City and County \$25,618.45 for construction materials, plans and supervision, and kitchen and refrigeration equipment with the result that a new attendants' cottage with accommodations for 23 male employees, new boiler house and kitchen and enlarged ward building are now available for indigent convalescent sick.

There was a total of 28,879 hospital days costing the City and County \$41,560.61 or approximately \$1.41 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 .....	\$ 21,496.71
Occupational Therapy .....	91.16
Maintenance and Repairs .....	528.11
Materials, Supplies and Incidentals .....	6,084.20
Food Supplies .....	11,109.91
Medical Supplies .....	<u>2,250.52</u>
	\$ 41,560.61
Less: Cash deposited with C&C Treasurer .....	<u>906.59</u>
	<u>\$ 40,654.02</u>

TOTAL APPROPRIATIONS	
TO C. & C. HEALTH DEPARTMENT .....	\$42,628.52
Less: TOTAL EXPENDED	
BY C. & C. HEALTH DEPARTMENT .....	<u>\$41,560.61</u>
TOTAL LAPSED .....	<u>\$ 1,067.91</u>

A total of 629 patients were cared for during the year, 503 of which were male and 126 female; 325 of these male patients were discharged and 91 females, making a total of 416 patients who recovered sufficiently to take their places among society; 37 were transferred to General Hospitals for further care. There were 94 patients who expired during the year, 78 being male and 16 female; out patients numbered 85.

The laundry plant accommodating the Emergency Unit as well as the Indigent Home has continued to be a great saving to the City and County with 220,141 pieces of laundry to its credit.

The Occupational Therapy Department has continued to make progress in the rehabilitation of patients needing this course of treatment. It is earnestly felt that with the construction of an Occupational Therapy Unit, patients discharged from the institution will be able to return for follow-up treatment, assuring them of a more satisfactory recovery with the possibility of increasing their earning capacity on discharge.

FINANCIAL INVESTIGATION

The Financial Investigator studies the financial status of all applicants for City and County hospitalization, the following being a report of recommendations made by her during the year:-

	APPROVED			Total
	<u>C&amp;C</u>	Part <u>C&amp;C</u>	Disap- <u>proved</u>	
Applicants for admission to:-				
Queen's Hospital .....	1,566	131	76	1,773
Kauikeolani Children's Hospital .....	597	115	86	798
St. Francis Hospital .....	443	76	61	580
Japanese Hospital .....	134	4	0	138
Kapiolani Maternity Hospital .....	29	8	0	37
Ewa Plantation Hospital .....	14	0	0	14
Waipahu Plantation Hospital .....	22	0	0	22
Aiea Hospital .....	2	0	0	2
Kahuku Hospital .....	66	0	0	66
Waialua Hospital .....	29	0	0	29
Indigent Invalid Home .....	498	8	0	506
Investigations for burials .....	177	32	34	243
Psychiatric Hospitalization - Queen's .	95	1	0	<u>96</u>
 TOTAL INVESTIGATIONS .....				<u><u>4,304</u></u>

LABORATORY DEPARTMENT

At the beginning of the year, a small laboratory was equipped and staffed with an experienced technician. This has proved a very satisfactory adjunct to the services required of the Health Department, in addition to being a marked saving, and has greatly facilitated our work by giving us prompt and accurate laboratory reports.

To assist the police in medico-legal work 444 specimens were collected and results reported to investigators.

To cooperate with the nation-wide program for the control of venereal diseases, 305 Wassermans were run on clinical patients. The great interest and cooperation of all health and corrective centers, as well as all private physicians, has so greatly increased the work done by the laboratory technician at the Territorial Board of Health that it is now imperative that an additional technician be added to that staff to handle this work alone.

1336 specimens from clinical and convalescent patients were reported on, consisting mostly of urines, blood counts and chemistries, sedimentations, cultures, sputums, etc.

Although 2085 cases were handled from February 1st to December 31st, the laboratory is still in great need of additional equipment to carry on more extensive comparison, microscopic and spectroscopic work.

### MORGUE

The City and County Morgue, operated in conjunction with the Coroner's Office, received 650 cadavers for the following specific purposes:-

Investigations when cause of death is obvious .....	5
Autopsies in cases of accidental and violent deaths .....	135
Autopsies in cases of unattended deaths .....	240
Cremation of stillbirths and indigent infants .....	104
Autopsies performed on stillbirths and indigent infants to determine cause of death prior to cremation .....	4
Storage awaiting undertaker or final disposition .....	162

### FOOD INSPECTION

Food inspection 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. Due to the lack of facilities at the Emergency Hospital, these inspectors work under the direction of the Territorial Food Commissioner, Mr. M. B. Bairos, utilizing the laboratories of that department for their technical findings.

Milk Inspection: The analytical results of the milk taken from milk peddlers gave an average butterfat test of 4%, solids test of 12.97% and a median count of 7,600. Milk samples from our producers showed the following - average butterfat 3.76%, solids 12.39% and median bacteria count 87,000. Samples taken from semi-commercial dairies showed averages of 3.76% for butterfat, 12.33% for solids and 80,000 for bacteria count.

A total of 829 samples was examined for sediment. The summarized results of these tests showed that 426 samples rated clean, 399 samples rated fairly clean, and 4 samples rated slightly dirty.

Our milk herd numbers about 5,524 cows and our milk production is about 44,340 quarts or 47 tons daily, from 4,222 milking cows, of which approximately 30,130 quarts or 67.9% is sold as pasteurized milk, 3,700 quarts or 8.4% is sold as certified milk, and 10,540 quarts or 23.7% is sold as raw and not certified. Milk consumption has increased 5.33% over last year.

There was a total of 71 dairies scattered throughout the City and County of Honolulu, in operation during the year.

Meat Inspection: During the year, 38,205 animals were slaughtered for market; carcasses retained numbered 413 and carcasses condemned numbered 187. There were 3,555 parts condemned for tuberculosis, worms and abscesses, sour and tainted, flukes, downers, actinomycosis. 473 pounds of pork, beef and venison were condemned because they were sour and tainted and heavily bruised.

There were 55 inspections made of meat imported by individuals into Honolulu from Hawaii, Lanai and Molokai. There were 25 slaughter houses in operation in Honolulu, during the past year.

Tuberculous cattle were found on five ranches; fortunately, no tuberculosis was found in dairy cattle.

Poi Inspection: A total of 5,053 inspections were made with 133 faulty practices noted and corrected. 258 samples of poi were collected and tested from 15 factories, showing an average solidity test of 30.89%. Fifty-five samples of ready-mixed poi were collected from cafes showing an average of 18.08% solid content.

Fish Inspection: A total of 18,710 inspections were made at fish stalls, ice-boxes, and peddlers carts. There were 4,824,125 pounds of fish offered for sale during the year. 1,527 pounds of fish were condemned as unfit for human consumption.

In conclusion, I take great pleasure in acknowledging the sincere and hearty cooperation of His Honor, Mayor G. Fred Wright and the Members of the Board of Supervisors, who have continued to keep abreast of our ever increasing health problems and have contrived through a year of financial stringency to improve the service rendered by its Health Department to the community. I wish to thank them for the improvements made at the Indigent Invalid Home and trust they find themselves financially able to complete this project during the present year, as I anticipate a decrease in general hospital expenditures upon its completion. I wish further to thank them for the purchase of a new

ambulance and increase in staff, enabling the Emergency Unit during its 24 hours of daily continuous service to render a more efficient and valuable service to the sick and injured. This emergency service involves medical and/or minor surgical care of every description to anyone requesting or requiring same, including all victims of industrial accidents, whether in private enterprise or governmental service. Individuals having private physicians are first given adequate palliative care, pending instructions from or the arrival of their own physician. Persons without private physicians are cared for just as diligently by our emergency physicians, hospitalized if necessary, and their case referred to our financial investigator who makes inquiry into their financial status and ability to pay the general hospital for this care, followed by recommendations for the City and County to pay hospital expenses in full, in part, or refusing financial assistance, according to her findings. This emergency service has been required by 11,040 individuals during the past year and it is with a feeling of great pride in the Emergency staff that I make mention of the above and look forward to a continuation of this efficient service.

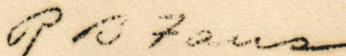
My assistant, Dr. Mossman, has continued to conduct his daily out-patient clinic at the Emergency Unit for medical and post operative cases and make house visits to bed-ridden patients. Physical examinations with recommendations for employment on applicants for jobs with the Police, Fire, Parks and Garbage Departments were made. With the assistance of laboratory findings, many physical defects were noted and, whenever possible, correction recommended. An important phase of his routine, of course, is the daily supervisory care of indigents requiring general hospital or convalescent care at all general hospitals in the city, the Indigent Invalid Home, and privately owned nursing homes operated by persons with practical nursing experience, where from one to a dozen patients are cared for.

I wish to commend the splendid and wholesome results achieved in the recovery of convalescent patients and peaceful acceptance of declining days by the lesser fortunates, which is the gratifying accomplishment at the Indigent Invalid Home of Dr. Mossman and our most able Miss Thomas and staff. They have just passed through a very trying year of reconstruction and building enlargement, and yet maintained an average of 82 patients daily in two crowded ward buildings, originally planned to accommodate 40 patients only. I feel wholly incapable of adequately expressing my gratitude to them or to Mrs. Van Culin who has ably assisted in supervising the various activities accomplished by your Health Department during the past year.

Although not a direct accomplishment of your Health Department during the last twelve month period, I wish to mention at this time the success of the mental hygiene survey conducted by Dr. Ebaugh

of Denver, with the able assistance of Miss Florence Brugger, psychiatric social service worker of this department. A most complete and accurate picture of local mental hygiene problems was obtained. It is felt that his recommendations for the establishment of a psychiatric clinic and a proper detention home for juveniles are mandatory and trust that action be taken in favor of these advices during the year 1938.

Respectfully submitted,



R. B. FAUS, M.D.  
City & County Physician

