

619,312,091

February

COLORADO STATE DEPARTMENT OF PUBLIC WELFARE

DIVISION OF TUBERCULOSIS ASSISTANCE

SUMMARY FOR 1947.

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There was a small increase (2%) in the number of patients hospitalized under State Tuberculosis Assistance in 1947 over the previous year. At the year end there was a total of 191 cases under care, and of these, 174 were in the sanatoria and 17 were in the Out Patient Department receiving pneumothorax. 63% of the admissions were in the far advanced stage of the disease on entrance. 20% were moderately advanced and 17% were minimal cases. These figures represent a decline from the year before in far advanced patients (75% in 1946) and an increase in cases with minimal disease (5% in 1946), and is a reflection of the increased efficiency of the case-finding program conducted by the Colorado Health Department, the State Tuberculosis Association and the local tuberculosis associations. They also reflect probably an increased awareness of the tuberculosis problem by County Welfare Departments in more promptly hospitalizing cases eligible for State care. However, there are still far too many cases who remain at home, thus spreading their disease, and are finally hospitalized only a week or two before death.

152 cases were terminated during 1947. The approximate percentage distribution was as follows:

Tuberculosis arrested or quiescent . . . . .	35%
Discharged from Out Patient Department . . . . .	6.5%
Left against advice . . . . .	17%
Non-tuberculous . . . . .	2%
Discharged, unimproved* . . . . .	14%
Died . . . . .	25.5%

25.7

\* This group includes patients no longer in need of public assistance.

There was a large decline in the percentage of those leaving institutions against advice, indicating that our patients were better satisfied with sanatorium treatment than heretofore. The figure of 17% is considerably below the national average. Also, there was a gratifying increase over 1946 in the percentage of cases discharged with their disease arrested and a decrease in the percentage of deaths.

51% of all cases under care at the year end have had or are undergoing some form of collapse therapy.

The chief improvement in the program during the year has been in the increased use of streptomycin. On December 31, 1947, approximately half the cases under care have had a course of this drug, which has already proved its value in certain types of the disease. In some instances, the expense of the treatment has been borne by friends or relatives, but in the more favorable cases, where the patient was unable to raise the necessary funds, the cost was met by the State and the counties, within the limitations of the budget.

Summary of Tuberculosis Assistance - Con.

Another important improvement has been a new rehabilitation program for State Aid cases, conducted and paid for by the Colorado Tuberculosis Association and the Colorado State Department of Rehabilitation. This is proving a valuable aid to patients who are unable to resume former occupations, and is a help to the morale of patients under-going treatment.

Also, all of our cases have had, for the first time, the benefit of consultations by members of the Chest Surgical Staff of the Colorado General Hospital. They have assisted in the selection of cases suitable for collapse therapy.

The gross amount expended for Tuberculosis Assistance in 1947 was \$300,659.05, from which should be deducted amounts spent for the Out Patient Department, transportation and burials, totalling \$3,453.01, leaving a balance of \$297,206.04 spent for hospitalization and care. This represents an increase of approximately \$70,000 over the amount expended in 1946. This increase reflects the change made in the all-inclusive per diem rate from \$4.00 to \$6.00, which was passed by the Legislature and became effective in April 1947. Part payments by patients and relatives amounted to \$8,569.07, so that the net cost for the care of cases of tuberculosis eligible under the State program in sanatoria has been \$288,636.97, which cost was divided equally between the State and counties from which the patients originated.

*Edward N. Chapman*

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SUMMARY OF TUBERCULOSIS ASSISTANCE

Year ending December 31, 1947

PART I -- APPLICATION.

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Pending -- January 1, 1947 . . . . .	6
New applications - never previously hospitalized . . . . .	4
Applications for (1) readmission to care; (2) reopening of previous approval, which had been followed by rejection of hospitalization by applicants . . . . .	2
Received during 1947 . . . . .	154
New applications - never previously hospitalized . . . . .	118
Applications for (1) readmission to care; (2) reopening of previous approval, which had been followed by rejection of hospitalization by applicants . . . . .	36
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	160
Disposed of during the year . . . . .	156
New applications - never previously hospitalized . . . . .	126
Applications for readmission - previously under care . . . . .	28
Applications for reopening; previously approved but hospitalization had not been accepted by applicants . . . . .	2
Placed under care . . . . .	139
Not placed under care . . . . .	17
Applications withdrawn by County . . . . .	9
Died before approval . . . . .	2
Died before hospitalization . . . . .	3
Disapproved . . . . .	2
Refused hospitalization . . . . .	1
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Pending December 31, 1947 . . . . .	4

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PART II -- CASES UNDER CARE.

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Cases under care January 1, 1947 . . . . .		204
In Sanatoria . . . . .	183	
In Out Patient Department . . . . .	21	
Placed under care during the year . . . . .		139
New cases - never before hospitalized . . . . .	120	
Readmissions - previously hospitalized . . . . .	19	
Total . . . . .		<u>343</u>
Care terminated during the year . . . . .		152
Discharged . . . . .	77	
Apparently cured . . . . .	3	
Arrested . . . . .	4	
Apparently arrested . . . . .	21	
Quiescent (stationary) . . . . .	25	
Active . . . . .	20	
Non-tuberculous . . . . .	3	
Not in need of public assistance . . . . .	1	
Died . . . . .	39	
Left against advice . . . . .	26	
Discharged from Out Patient Department . . . . .	10	
Cases under care December 31, 1947 . . . . .		191
In sanatoria . . . . .	174	
In Out Patient Department . . . . .	17	

NOTE: 7 cases were transferred from Sanatoria to Out Patient Department  
 1 case was transferred from Out Patient to Sanatorium

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PERSONS PLACED UNDER CARE, CLASSIFIED BY AGE  
AND STAGE OF DISEASE.  
Year ending December 31, 1947

Stage of Disease	Total	A G E						
		Under 11	11-20	21-30	31-40	41-50	51-60	61 and older
All Stages	139	2	8	34	29	30	14	22
Far Advanced	87	0	3	20	19	21	10	14
Moderately advanced	28	1	3	5	4	4	4	7
Minimal	24	1	2	9	6	5	0	1

In addition, two applicants, one aged 59 and one aged 56, died before approval of application; and three applicants died after applications had been approved but before hospitalization, aged, respectively, 45, 48 and 50.

PERSONS RECEIVING TUBERCULOSIS ASSISTANCE  
CLASSIFIED BY AGE AND SEX, FOR YEAR ENDING  
December 31, 1947

AGE IN YEARS	TOTAL	S E X	
		MALE	FEMALE
All Ages	343	162	181
1 - 10	3	3	0
11 - 20	19	4	15
21 - 30	92	20	72
31 - 40	84	41	43
41 - 50	75	52	23
41 - 60	34	21	13
61 and older	36	21	15

NUMBER OF YEARS OF STATE RESIDENCE OF PERSONS  
RECEIVING TUBERCULOSIS ASSISTANCE IN SANATORIA  
AND OUT PATIENT DEPARTMENT

Year ending December 31, 1947.

Years State Residence	Total	Treatment Received In	
		Sanatoria	Out Patient Department
All Patients	343	315	28
Under 5	34	34	0
5 = 9	50	47	3
10 = 14	32	30	2
15 = 18	50	46	4
20 = 24	63	52	11
25 = 29	46	43	3
30 = 34	22	22	0
35 = 39	17	15	2
40 = 44	13	10	3
45 = 49	5	5	0
50 = 54	5	5	0
55 = 59	4	4	0
60 = 64	2	2	0

LOCATIONS OF HOMES OF PERSONS RECEIVING  
TUBERCULOSIS ASSISTANCE IN SANATORIA AND  
OUT PATIENT DEPARTMENT

Year ending December 1, 1947

LOCATION	Total	Treatment Received in	
		Sanatoria	Out Patient Department
All Locations	343	315	28
Urban . . . . .	298	275	23
Rural . . . . .	45	40	5

SUMMARY OF OUT PATIENT DEPARTMENT

Year ending December 31, 1947

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Cases in Out Patient Department January 1, 1947 . . . . .	21
Cases transferred to Out Patient Department from sanatoria during the year. . . . .	7
	<u>28</u>
Cases in Out Patient Department terminated during the year. . . . .	11
Discharged . . . . .	10
Readmitted to sanatorium . . . . .	1
	<u>      </u>
Cases in Out Patient Department December 31, 1947 . . . . .	17

SURGERY IN 1947.

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Following is a list of surgical procedures performed during the year on State Aid cases:

	<u>Number</u>
Thoracoplasty . . . . .	12
Phrenicectomy . . . . .	6
Bronchoscopy . . . . .	24
Pneumolysis . . . . .	4
Confinements. . . . .	5
Surgical Appliances and Body Casts. . . . .	7
Spinal Fusion . . . . .	6
Thorotomy . . . . .	5

MISCELLANEOUS:

Cystoscopy . . . . .	9
Appendectomy . . . . .	4
Drainage of psoas abscess . . . . .	1
Sacro-iliac fusion. . . . .	1
Hemorrhoidectomy. . . . .	1
Femoral Vein Ligation . . . . .	1
Spinal Decompression. . . . .	1
Nephrectomy . . . . .	2
Spinal Puncture . . . . .	2
Decortication . . . . .	1
Steinman Pin. . . . .	1
Plumbage . . . . .	1
Sigmoidoscope . . . . .	1

PATIENTS HOSPITALIZED BY COUNTIES.

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	<u>Admitted in 1947</u>	<u>Already Hospzd.</u>		<u>Admitted in 1947</u>	<u>Already Hospzd.</u>
Adams	1	1	Lake	0	1
Alamosa	1	0	La Plata	0	3
Arapahoe	3	9	Larimer	6	2
Archuleta	2	0	Las Animas	8	5
Bent	1	1	Logan	0	2
Boulder	8	14	Mesa	6	4
Conejos	0	1	Montezuma	1	0
Crowley	0	2	Montrose	3	0
Delta	0	4	Morgan	2	1
Denver	35	40	Otero	11	6
El Paso	16	26	Prowers	1	4
Fremont	0	2	Pueblo	11	12
Gunnison	1	0	Rio Grande	0	3
Huerfano	2	1	Saguache	0	3
Jackson	1	0	Washington	1	0
Jefferson	5	5	Weld	13	17

SUMMARY OF EXPENSES FOR 1947.

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Gross Amount expended for Tuberculosis Assistance . . . . .	\$ 300,659.05
Amount expended for Out Patient Department . . . . .	\$ 2,404.92
Amount expended for transportation . . . . .	248.09
Amount expended for burials . . . . .	<u>800.00</u> <u>3,453.01</u>
Amount expended for patients in sanatoria . . . . .	\$ 297,206.04
Amount expended for surgery . . . . .	\$ 6,672.50
Patient Days . . . . .	61,550
Cost per person per day . . . . .	\$ 4.828
Part payments made by patients and relatives. . . . .	<u>8,569.07</u>
Net Amount expended . . . . .	\$ 288,636.97

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