COLORADO STATE DEPARTMENT OF PUBLIC WELFARE LIBRARY

COLORADO STATE DEPARTMENT OF PUBLIC WELFARE DIVISION OF TUBERCULOSIS HOSPITALIZATION

Report for 1950

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The year 1950 has been one of continued progress as the tables that follow indicate. A new high in the number of cases of tuberculosis hospitalized under the state care program has been reached. 442 individuals who are afflicted with this disease and are unable financially to provide for themselves have been given care during 1950.

Table I indicates how the number of cases has increased during the past five years. This does not necessarily indicate an increase in tuberculosis in Colorado, but rather it is an indication of a more efficient case-finding programan earlier discovery of the disease by the medical profession and the health authorities. 56 percent of cases admitted to the state program in 1950 had far advanced tuberculosis (using the National Tuberculosis Association classification) at the time of admission. This represents an improvement over 1949 when 63 percent were in this category. Needless to say, the earlier the stage of the disease at the time it is discovered, the better the chance of an arrest and the shorter the time of treatment.

Table I Total Number of Cases Given Care for Tuberculosis

1946.					6		.338
1947.							
1948.							.379
1949.							.413
1950.							

222 cases were under care as of January 1, 1950.

A total of 220 applications were approved during the year and the individuals placed under care in one of the institutions listed below. Each of these institutions has been approved by the Director of Tuberculosis Hospitalization and by the State Board of Public Welfare and is licensed by the Colorado State Department of Public Health. The director makes frequent visits to these institutions in order to consult with the staffs regarding treatment, time of discharge or transfer of patients, and on other matters important in the patients' care.

Colorado General Hospital, Denver
Cragmor Sanatorium, Colorado Springs
Craig Colony, Lakewood
Glockner-Penrose Hospital, Colorado Springs
Lutheran Sanatorium, Wheatridge
Mennonite Hospital, La Junta
Mesa Vista Sanatorium, Boulder
National Jewish Hospital, Denver..(children only)
St. Francis Sanatorium, Denver
Sunnyrest Sanatorium, Colorado Springs
Swedish National Sanatorium, Englewood

Of the pulmonary cases hospitalized, 17 percent were in the minimal stage of the disease at the time of entrance, 23 percent were moderately advanced and 56 percent were far advanced. Almost half the cases came from Denver County, which is

a higher proportion than usual and is a result of the intensive chest x-ray program carried on in this city recently during which approximately 80 percent of the adult population was x-rayed.

Of the 220 cases admitted in 1950, approximately 10 percent were patients who had been discharged from the program in past years with disease arrested or quiescent and whose disease had later relapsed. This number (21 cases) does not seem unduly high when the poor home conditions and nutrition of this group of individuals is also taken into consideration. The rest of the cases listed as "reopened" or "readmitted" in the statistical summary that follows on later pages of this report were either cases that were brought in for check-up, were patients who had left against advice, or were temporarily being cared for by other agencies.

195 cases were terminated during the year. At the year's end, approximately 260 cases were under care of which 17 were out-patients. The condition on discharge of the 195 cases terminated in 1950 was as follows:

Discharged with disease arrested or apparently arrested 52%
Discharged with disease quiescent
Discharged with disease improved
Discharged from Out-Patient with disease arrested 6%
Discharged unimproved0.5%
Left against advice
Died14.5%
Disciplinary discharge
Discharged as non-tuberculous

Table II below shows the great improvement in the percentage of our cases discharged from the sanatoria and Out-Patient Department with their disease arrested, quiescent, or improved and is indicative of the improvement in treatment which has taken place in recent years. This improvement is the result of drugs such as streptomycin and para amino selicylic acid, the very fine surgery given without compensation by the staff of the chest surgical service at Colorado General Hospital and finally, to better care within the institutions. This includes not only better medical and nursing care, but such additions as medical social service and rehabilitation, both quite important to the peace of mind of patients.

	Tabl	le II			
Percent of	Cases Discharged a	as Arrested,	Quiescent	or	Improved

1946.								34%
1947.								
1948.								
1949.								50%
1950.							.6	7.5%

In 1946 only 9 percent of cases were discharged with their tuberculosis arrested or apparently arrested. In 1950 this figure had risen to 52.5 percent, which is really a remarkable change.

Along with this improvement has gone a rapid decline in the percent of deaths as shown in Table III, which indicates that the death rate among our tuberculous patients has been more than cut in half in the past five years. This is indicative of more effective treatment, since there has been no such decline in the percent of far advanced cases admitted to the program.

Table III Deaths as a Percentage of Total Discharges

1946.								35%	6
1947.								319	6
1948.									
1949.									
1950.						1	4	. 59	6

Tables II and III suggest that, for the average patient with tuberculosis, eligible and willing to enter the Colorado Tuberculosis Hospitalization program, there is twice the chance of getting well that there was five years ago, and also only half the chance of dying that existed five years ago.

Table IV shows the percentage of patients leaving the program against advice in each of the past five years. Our present rate of leaves against advice appears to be about half the national average. This is an important advantage, since the case that leaves against advice can usually be counted as a failure, both from a therapeutic and an epidemiologic point of view. This is perhaps due to the fact that our patients are placed in small home-like institutions where a personal interest is taken in each.

Table IV
Percent of Cases Leaving Against Medical Advice

1946	8 %
19471	
19481	8 %
1949	2.4%
19501	6.5%

Our medical social service department has expanded during the past year. Miss Elizabeth Naughton joined this staff in April, 1950 to furnish service to some of our patients in the Colorado Springs sanatoria. Every state patient is seen regularly by a medical social worker, and the county welfare departments are informed of their progress, as is the State Department of Public Health. Discharge plans are being made for each patient in co-operation with county welfare departments and other agencies.

There has been no waiting list this past year. A preliminary report of a survey of known active cases of tuberculosis in Colorado not hospitalized, now being made by the State Department of Public Health, indicates that very few cases eligible for the State Program are not under care. There will always be a group of individuals that will refuse to leave home for one reason or another in any state, but in Colorado this group appears to be very small.

The chief complaint against the program as now conducted seems to be that there are not sufficient beds in Denver sanatoria to hospitalize all cases originating in that city. The great majority of Denver cases are hospitalized either in Denver or within a radius of 25 miles of the city (17 miles when the new highway to Boulder is completed), but some cases have to be sent to the Colorado Springs institutions. Actually it would be just as reasonable for patients in every town and city in Colorado to demand that sanatorium care be furnished in their home locality. No one wants to leave home but frequently better rest and better results are obtained when the patient is removed by distance from the major or minor problems that arise daily in any family and of which he is constantly appraised if he is too close to his home.

Dr. Robert K. Brown has given valuable service as Acting Director of the program since December 1, 1950, during the absence of the Director due to illness. The invaluable service of Miss Gertrude Loos in supervising the administrative work of the central office as well as her own duties has allowed the program to continue without interruption.

The total net cost of the Colorado Tuberculosis Hospitalization program in 1950 was \$474,751.92, which cost was divided equally between the state and the counties from which the patients originated.

I wish to acknowledge the help and co-operation of the Colorado Tuberculosis Association, the State Department of Public Health, and the Denver Health Department. Also the staff of the Colorado School of Medicine has been most helpful
in solving some of our more difficult diagnostic and therapeutic problems. In this
regard, the time and professional advice of Dr. James A. Waring, given generously
throughout the year, has been very valuable and deserves special mention.

Public Welfare Library
458 Capitol Annex
Denver 2, Colorado

SUMMARY OF TUBERCULOSIS ASSISTANCE

Year ending December 24, 1950

PART I -- APPLICATIONS

Pending January 1, 1950		9
New applications, never previously	hospitalized 8	
Applications for readmission		
Applications for reopening		
Received during 1950		7
New applications, never previously		·
Applications for readmission		
Applications to re-open case	39	-
	26	-
Disposed of during 1950	26	0
Placed under care		0
New applications, never previously		
Applications for readmission		
Applications to re-open case		
Not placed under care	4	0
Applications withdrawn by county .		
Patient died before approval of ho		
Disapproved	7	
Refused hospitalization	14	
Pending December 24, 1950		6

PART II -- CASES UNDER CARE

Cases under care in Santoria January 1, 1950	22
Placed under care during the year	20
Total	+2
Cases terminated during the year	7 5
Died	L74
In Sanatoria	
SUMMARY OF OUT-PATIENT DEPARTMENT	
Cases transferred to Out-patient Department during the year	7 2 0
Cases in Out-patient Department terminated during the year	2
Cases in Out-patient Department December 24, 1950	7

TUBERCULOUS PATIENTS RECEIVING CARE IN SANATORIA AND OUT-PATIENT DEPARTMENTS COLORADO STATE DEPARTMENT OF PUBLIC WELFARE, BY COUNTIES, 1950

	:	JANUAR	Y 1, 1950	: PLACEI	DURING 1950	:	TO	TAL 1950
		SANATORIA	OUTPATIENT	: SANATOR	RIA OUTPATIENT	:	SANATORIA	OUTPATIENT
Adams	:	8		: 6	1	:	14	1
Alamosa	:	1		:		:	1	
Arapahoe		6		: 6	1	:	12	1
Archuleta	:	1		: 1		:	2	
Bent	:		1	: 1		:	1	1
Boulder	:	6	1	: 11		:	17	1
Chaffee	:	1		: 1		:	2	
Clear Creek	:	1		: 2		:	3.3	
Conejos	:			: 1		:	1	
Costilla	:	2		:		:	2	
Delta	:	5		:	2	:	5	2
Denver	:	81		: 103	3	:	184	3
Douglas	:			: 1		:	1	
El Paso	:	30		: 11	2		41	2
Garfield	:	4		: 3			7	
Grand	:			: 1			i	
Huerfano	:	3		: 7	1		10	1
Jefferson	:	3 5		: 5			10	
Lake	:	í		: 1			2	
La Plata	:			: 5			5	
Larimer	:	9		: 4			13	
Las Animas	:	9		: 6			15	
Logan				: 2			2	
Mesa		5				:		
Montrose		2		: 2			5 :4	
Morgan				: 2		:	2	
Otero		4	2	: 3	1		7	3
Ouray				: 1	•	:	1	
Prowers	:	3		: 7		•	10	
Pueblo	•	19		: 9	1		28	
Rio Grande			1	. 9				1
Saguache	•	2		•		:	2	1
San Miguel						:	1	
Sedgwick.				: 1		:	1	
DOUGNICK.		7.0		: 1		:	1	
Weld	:	12	2	: 15		:	27	2
Yuma	<u> </u>	1		1_		:	2	
TOTAL	:	000				:	11.0	A Marian
TOTAL		555	7	220*	12	:	442	19
						:		

^{*}Including 16 cases which were discharged and readmitted during year.

TUBERCULOUS PERSONS PLACED UNDER CARE COLORADO STATE DEPARTMENT OF PUBLIC WELFARE BY AGE AND STACE, 1950

					PULMONAR'	Y		-		EXTRA PULMONARY						
	Age	TOTAL	Total Pulmonary	Minimal	: Moderately : Advanced :	Far Advanced	Miliary	Silico	Bone	Gland- ular	Renal	Periton itis				
_	Total	550	206	35	: 49	: 116	2	4	5 :	4	3	2				
	0 - 9	7	6	4		. 2			:	1						
	10 - 19	9	9	2	:	: 7										
	20 - 29	57	52	11	: 16	24	1		1	1 :	1	2				
φ	30 - 39	47	42	8	: 8	25		1	2	1	2					
	40 - 49	45	ftf	8	: 8	27		1		1	:					
	50 - 59	23	22	2	: 7	11	1	1	1		:					
	60 - 69	24	24		: 8	16										
	70	8	7		: 2	4		1	1		:					
					:			7 - 17								

OCCUPATION OF NEW PATIENTS HOSPITALIZED IN 1950 (SIX HIGHEST CLASSIFICATIONS)

Housewives	33.2
Unskilled	15.5
None	14.5
Semi-skilled	11.6
Food handlers and service	11.4
Office and sales people	9.1

SURGICAL AND SPECIAL DIAGNOSTIC PROCEDURES PERFORMED ON TUBERCULOUS PATIENTS COLORADO STATE DEPARTMENT OF PUBLIC WELFARE 1950

PROCEDURE	NUMBER	PROCEDURE	NUMBER
Thoracoplasty (multiple stage)	24	Spinal fusion	5
Pneumonectomy	7	Confinement	3
Lobectomy	4	Cystoscopy	3
Exploration of chest	3	Appendectomy	2
Drainage of old thoracoplasty si	nus 1	Sterilization	4
Bronchoscopy	49	Back cast	2
Pneumolysis	3	Esophageal dilation	5
Phrenic crush	17	Excision of Trochanteric bursa	2
Sacroiliac	2	Cholecystectomy	1
Laminectomy	1	Cholelithotomy	1
Knee fixation	1	Ligation ureter	2

EXPENDITURES DIVISION OF TUBERCULOSIS HOSPITALIZATION COLORADO STATE DEPARTMENT OF PUBLIC WELFARE 1950

Total amount expended for patients in sanatoria
Amount expended for Out-Patient Department \$1,095.16
Amount expended for transportation
Amount expended for burials
Total gross amount expended
Patient days
Cost per person per day
Partial reimbursement by patients and relatives 10,015.64
Total net amount expended