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HEALTH DIVISION

REPORT FOR THE MONTH ENDING

SEPTEMBER 30, 1949

OAK RIDGE NATIONAL LABORATORY

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HEALTH DIVISION

REPORT FOR THE MONTH ENDING SEPTEMBER 30, 1949

J. S. Felton, M. D.

Date Issued: JAN 10 1950

O A K R I D G E N A T I O N A L L A B O R A T O R Y

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CARBIDE AND CARBON CHEMICALS DIVISION

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DISTRIBUTION OF EFFORT FOR THE MONTH OF SEPTEMBER 1949

	<u>Monthly</u>	<u>Weekly</u>	<u>Hourly</u>
<u>Personnel</u>			
Physicians	3	0	0
Industrial Hygiene Engineer	1	0	0
Industrial Designer	1	0	0
Nurses	1	5	0
Medical Technicians	0	3	0
Office Personnel	1	8	0
Custodial Personnel	0	0	2
	<u>7</u>	<u>16</u>	<u>2</u>

Number of technical personnel added: 0

Number of technical personnel terminated: 0

ALLOCATION OF TIME

<u>Physicians</u>			
Administration	1/3	0	0
Physical Examination	1 2/3	0	0
Dispensary Service	1	0	0
<u>Industrial Designer</u>	1	0	0
<u>Industrial Hygiene Engineer</u>	1	0	0
<u>Nurses</u>			
Supervision	1/2	0	0
Dispensary Shift Nursing	1/2	5	0
<u>Medical Technicians</u>			
General Laboratory	0	1	0
Blood Studies	0	1/2	0
Urinalysis	0	1/2	0
X-ray	0	1	0
<u>Office Personnel</u>	1	8	0
<u>Custodial Personnel</u>	0	0	2
	<u>7</u>	<u>16</u>	<u>2</u>

	<u>No. of Procedures</u>
Occupational vision section procedures:	
Spectacles issued, plano	26
Spectacles ordered, prescription	14
Spectacles issued, prescription	23
Orthorater examination	42
Orthorater examination, field	0
Partial replacement	13
Adjustment or repair	23
Advisory service	5
Total	146
X-ray examination:	
X-ray examination, non-occupational condition	56
X-ray examination, occupational condition	2003
Total	2059
Special study interview	125
Psychodiagnostic test	2
Consultation, non-occupational condition	158
Consultation, occupational condition	0
Consultation, without patient, non-occupational	22
Consultation, without patient, occupational	11
Home visit	0
Pre-marital serodiagnostic test	2
Immunization	75
Diagnostic procedure for an outside physician	8
GRAND TOTAL	5455

‡ The figure on page 4 represents the number of clinical laboratory visits. More than one laboratory procedure may be performed in one visit. The following is a breakdown of the procedures performed:

Bacteriological Smear	3
Basal Metabolism	3
Blood Cholesterol	1
Blood Glucose	2
Complete Blood Count	163
Feces - Bacteriological	61
Feces - Parasitological	29
Gastric Analysis	1
Hematocrit	1
Kahn	66
P. S. P.	1
Red Blood Count and Hemaglobin	18
Rh Factor	25
Sedimentation Rate	26
Sputum	2
Typing - Blood	25
Urinalysis	214
Vital Capacity	34
White Blood Count and Differential	41
Stippled Cell Count	1
Total	717

DISPOSITION FOLLOWING DISPENSARY VISITS

Return to regular work	4705
Return to modified or part-time work	397
Remain off work	273
Granted leave	0
Died in plant	0
New employee, rejected	0
New employee, accepted conditionally	0
New employee, accepted	31
Sent to hospital or physician's office	49
AGGREGATE	5455

PERSONNEL ATTENDING PATIENTS

First Aid Attendant	0
First Aid Attendant and Nurse	1
First Aid Attendant, Nurse and Doctor	1
Nurse	1689
Nurse and Doctor	105
Doctor	833
Doctor and First Aid Attendant	0
Technician	2795
Psychologist	31
AGGREGATE	5455

TIME LOST DUE TO ILLNESS ABSENCE

	<u>No. of Absences</u>	<u>No. of Days Lost</u>
Less than 1 day	19	0
1 day	96	96
2 days	39	78
3 days	26	78
4 days	6	24
5 days	9	45
7 days	2	14
8 days	2	16
9 days	3	27
10 days	2	20
11 days	2	22
14 days	1	14
15 days	1	15
16 days	1	16
17 days	1	17
20 days	2	40
24 days	1	24
25 days	1	25
32 days	1	32
43 days	1	43
AGGREGATE	216	646

NUMBER OF PROCEDURES BY GENERAL DIAGNOSIS GROUPS

	<u>Number of Procedures</u>
Illnesses:	
Allergy	85
Blood abnormality	0
Cardio-vascular disease	22
Dental disorder	14
Dermatitis	75
Endocrine disorder	19
Eye and ear disorder	37
Gastro-intestinal disease	116
Genito-urinary disease	29
Hernia	8
Infections and parasitic disease	157
Menstrual disease	37
Nervous and mental state, neurologic disorder	73
New growth	26
Orthopedic disorder	71
Pain and headache	78
Respiratory disease	808
Tuberculosis	0
Miscellaneous	108
Aggregate	1763
Injuries:	
Injuries	609
Injuries, potential	1
Aggregate	610
Operative procedure	28
Total	2401
Special services not involving diagnosis	3054
GRAND TOTAL	5455

ABSENCES AND TIME LOST BY GENERAL DIAGNOSIS GROUPS

	<u>No. of Absences</u>	<u>Days Lost</u>
Illnesses:		
Allergy	2	3
Blood abnormality	0	0
Cardio-vascular disease	4	22
Dental disorder	1	1
Dermatitis	1	7
Endocrine disorder	1	1
Eye and ear disorder	1	1
Gastro-intestinal disease	35	78
Genito-urinary disease	6	20
Hernia	0	0
Infections and parasitic disease	7	31
Menstrual disease	21	25
Nervous and mental state, neurologic disorder	14	80
New growth	3	3
Orthopedic disorder	3	50
Pain and headache	8	11
Respiratory disease	84	168
Tuberculosis	0	0
Miscellaneous	1	5
Injuries:		
Injuries, non-occupational	8	65
Injuries, occupational	2	0
Operative procedures	14	75
Total	216	646

NUMBER OF VISITS BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>No. of Visits</u>	<u>No. of Employees</u>	<u>Average</u>
TOTAL	4766	2007	2.4
<u>SEX</u>			
Female	902	390	2.3
Male	3864	1617	2.4
<u>OCCUPATION</u>			
Life scientist	80	50	1.6
Physical scientist	570	265	2.2
Engineer	432	183	2.4
Technical assistant	623	241	2.6
Administrative and managerial personnel	310	135	2.3
Clerical personnel	786	349	2.3
Laborer	150	71	2.1
Maintenance personnel	217	95	2.3
Protective personnel	361	156	2.3
Craftsman	895	333	2.7
Chemical operator	205	68	3.0
Equipment operator	137	61	2.2
<u>RACE</u>			
Colored	260	117	2.2
White	4506	1890	2.4
<u>MARITAL STATUS</u>			
Married	3676	1559	2.4
Single	990	405	2.4
Divorced	47	19	2.5
Widowed	53	24	2.2
<u>HEALTH STATUS*</u>			
H-1	1155	520	2.2
H-2	2992	1247	2.4
H-3	619	240	2.6

*H-1 Physically qualified for any position.

H-2 Physically qualified for any position, but has minor defects.

H-3 Physically qualified for special employment only, with restrictions.

	<u>No. of Visits</u>	<u>No. of Employees</u>	<u>Average</u>
<u>DIVISION</u>			
Operations	210	75	2.8
Physics	129	66	2.0
Chemistry	434	208	2.1
Technical	468	178	2.6
Biology	210	99	2.1
Metallurgy	125	45	2.8
Training Program	51	9	5.7
Graduate Training Program	0	0	
Health Physics	271	112	2.4
Engineering, Maintenance & Construction	1619	651	2.5
Personnel and Service	398	181	2.2
Health	38	24	1.6
General Office	283	134	2.1
Security	356	152	2.3
Directors	143	58	2.5
Wage Standards	5	3	1.7
Mathematics Panel	26	12	2.2
<u>AGE GROUP</u>			
18 to 19 years	25	7	3.6
20 to 29 years	1854	748	2.5
30 to 39 years	1685	750	2.2
40 to 49 years	840	348	2.4
50 to 59 years	326	135	2.4
60 to 65 years	36	19	1.9
<u>SHIFT</u>			
Straight days	3945	1701	2.3
Rotating shifts	741	275	2.7
Straight shift	80	31	2.6
<u>PAYROLL</u>			
Hourly	1963	775	2.5
Weekly	1239	526	2.4
Monthly	1564	706	2.2

TIME LOST BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>Days</u> <u>Lost</u>	<u>Scheduled</u> <u>Days</u>	<u>Percent</u> <u>Time Lost</u>
TOTAL	645	42147	1.5
<u>SEX</u>			
Female	204	8190	2.5
Male	441	33957	1.3
<u>OCCUPATION</u>			
Life scientist	4	1050	0.4
Physical scientist	23	5565	0.4
Engineer	49	3843	1.3
Technical assistant	121	5061	2.4
Administrative and managerial personnel	24	2835	0.8
Clerical personnel	182	7329	2.5
Laborer	21	1491	1.4
Maintenance personnel	44	1995	2.2
Protective personnel	65	3276	2.0
Craftsman	93	6993	1.3
Chemical operator	4	1428	0.3
Equipment operator	15	1281	1.2
<u>RACE</u>			
Colored	58	2457	2.4
White	587	39690	1.5
<u>MARITAL STATUS</u>			
Married	519	32739	1.6
Single	109	8505	1.3
Divorced	10	399	2.5
Widowed	7	504	1.4
<u>HEALTH STATUS*</u>			
H-1	44	10920	0.4
H-2	465	26187	1.8
H-3	136	5040	2.7

*H-1 Physically qualified for any position.

H-2 Physically qualified for any position, but has minor defects.

H-3 Physically qualified for special employment only, with restrictions.

	<u>Days</u> <u>Lost</u>	<u>Scheduled</u> <u>Days</u>	<u>Percent</u> <u>Time Lost</u>
<u>DIVISION</u>			
Operations	3	1575	0.2
Physics	11	1386	0.8
Chemistry	52	4368	1.2
Technical	87	3738	2.3
Biology	10	2079	0.5
Metallurgy	9	945	1.0
Training Program	0	189	0.0
Graduate Training Program	0	0	
Health Physics	17	2352	0.7
Engineering, Maintenance & Construction	190	13671	1.4
Personnel and Service	54	3801	1.4
Health	0	504	0.0
General Office	66	2814	2.3
Security	73	3192	2.3
Directors	68	1218	5.6
Wage Standards	0	63	0.0
Mathematics Panel	5	252	2.0
<u>AGE GROUP</u>			
18 to 19 years	9	147	6.1
20 to 29 years	251	15708	1.6
30 to 39 years	227	15750	1.4
40 to 49 years	78	7308	1.1
50 to 59 years	60	2835	2.1
60 to 65 years	20	399	5.0
<u>SHIFT</u>			
Straight days	558	35721	1.6
Rotating shifts	28	5775	0.5
Straight shift	59	651	9.1
<u>PAYROLL</u>			
Hourly	247	16275	1.5
Weekly	243	11046	2.2
Monthly	155	14826	1.0

EMPLOYEES WITH ONE OR MORE ILLNESS ABSENCE BY PERSONAL, OCCUPATIONAL
AND GROUP CHARACTERISTICS

	<u>Absentees</u>	<u>No. of Employees</u>	<u>Percent Absentees</u>
TOTAL	194	2007	9.7
<u>SEX</u>			
Female	80	390	20.5
Male	114	1617	7.1
<u>OCCUPATION</u>			
Life scientist	3	50	6.0
Physical scientist	15	265	5.7
Engineer	10	183	5.5
Technical assistant	45	241	18.7
Administrative and managerial personnel	10	135	7.4
Clerical personnel	69	349	19.8
Laborer	4	71	5.6
Maintenance personnel	8	95	8.4
Protective personnel	11	156	7.1
Craftsman	17	333	5.1
Chemical operator	1	68	1.5
Equipment operator	1	61	1.6
<u>RACE</u>			
Colored	9	117	7.7
White	185	1890	9.8
<u>MARITAL STATUS</u>			
Married	137	1559	8.8
Single	49	405	12.1
Divorced	4	19	21.1
Widowed	4	24	16.7
<u>HEALTH STATUS*</u>			
H-1	26	520	5.0
H-2	139	1247	11.1
H-3	29	240	12.1

*H-1 Physically qualified for any position.

H-2 Physically qualified for any position, but has minor defects.

H-3 Physically qualified for special employment only, with restrictions.

	<u>Absentees</u>	<u>No. of Employees</u>	<u>Percent Employees</u>
<u>DIVISION</u>			
Operations	3	75	4.0
Physics	6	66	9.1
Chemistry	31	208	14.9
Technical	24	178	13.5
Biology	6	99	6.1
Metallurgy	5	45	11.1
Training Program	0	9	0.0
Graduate Training Program	0	0	
Health Physics	13	112	11.6
Engineering, Maintenance & Construction	39	651	6.0
Personnel and Service	13	181	7.2
Health	0	24	0.0
General Office	24	134	17.9
Security	14	152	9.2
Directors	15	58	25.9
Wage Standards	0	3	0.0
Math Panel	1	12	8.3
<u>AGE GROUP</u>			
18 to 19 years	3	7	42.9
20 to 29 years	94	748	12.6
30 to 39 years	65	750	8.7
40 to 49 years	22	348	6.3
50 to 59 years	9	135	6.7
60 to 65 years	1	19	5.3
<u>SHIFT</u>			
Straight days	177	1701	10.4
Rotating shifts	14	275	5.1
Straight shift	3	31	9.7
<u>PAYROLL</u>			
Hourly	42	775	5.4
Weekly	104	526	19.8
Monthly	48	706	6.8

STATISTICAL SUMMARY

Severity Rate-----3.0 days lost per absence
Disability Rate-----15.3 days lost per 1000 days scheduled
Frequency Rate-----5.1 absences per 1000 days scheduled

Number of Patients-----2018
Number of Visits-----4892
Number of Procedures-----5455

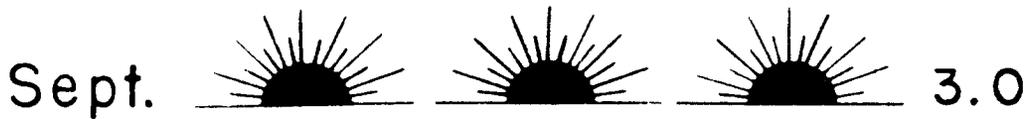
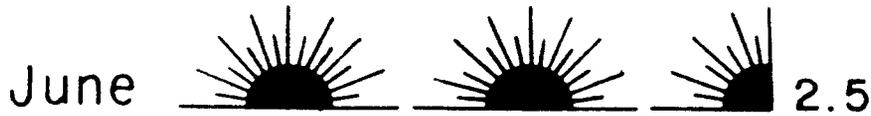
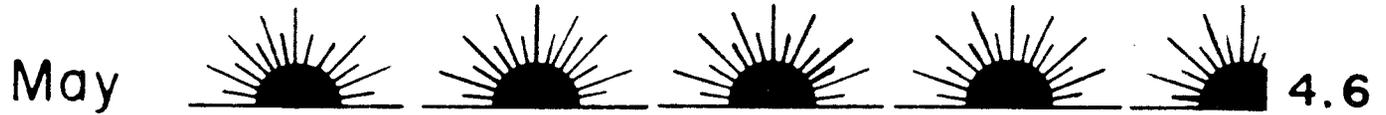
Number of Employees at Laboratory-----2007

Percent of Employees Visiting Dispensary-----100.5
Number of Visits per Employee-----2.4
Number of Illness Absences per Employee-----0.1

SEVERITY RATE

Days Lost Per Absence

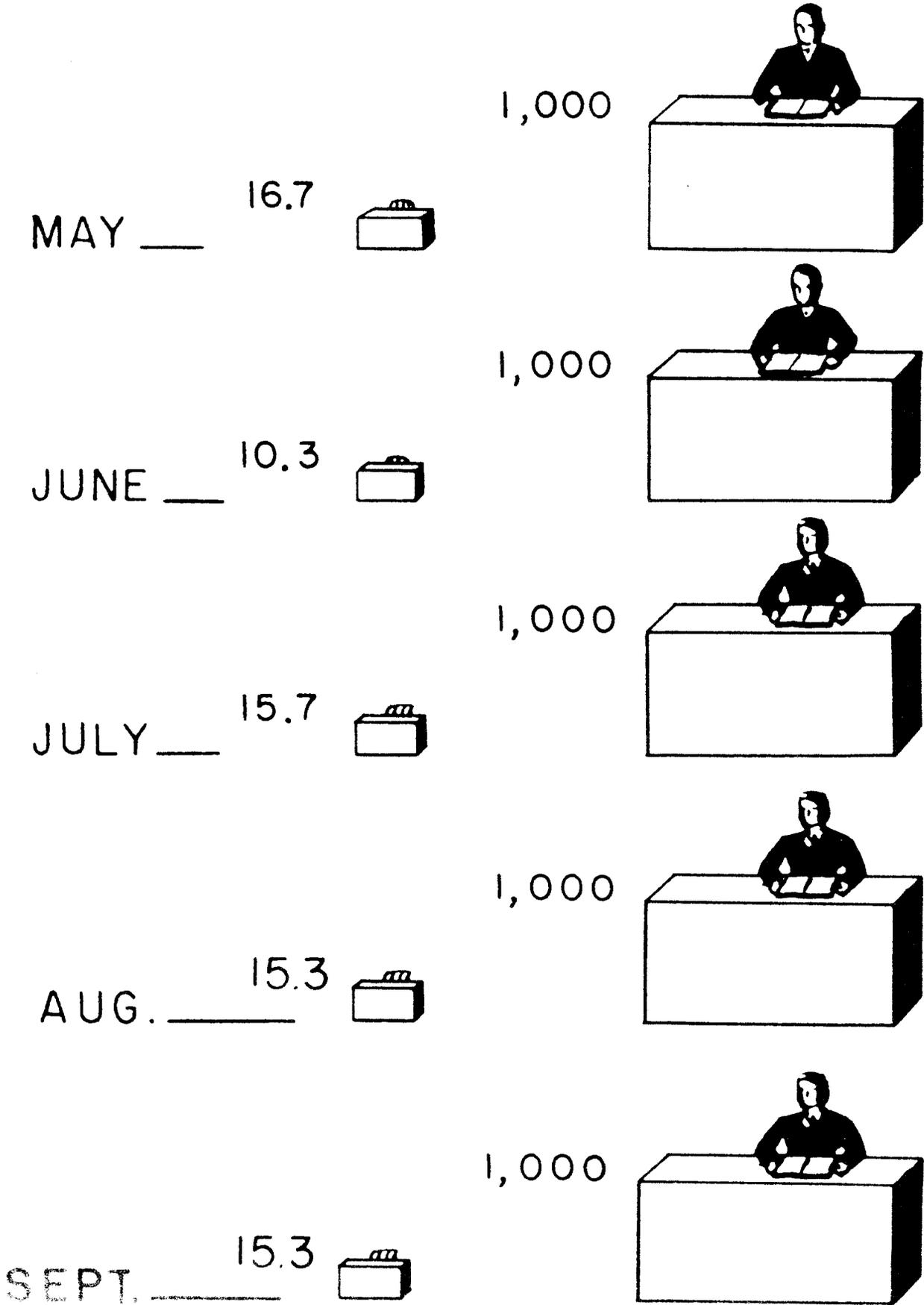
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DISABILITY RATE

Dwg. 8138
Unclassified

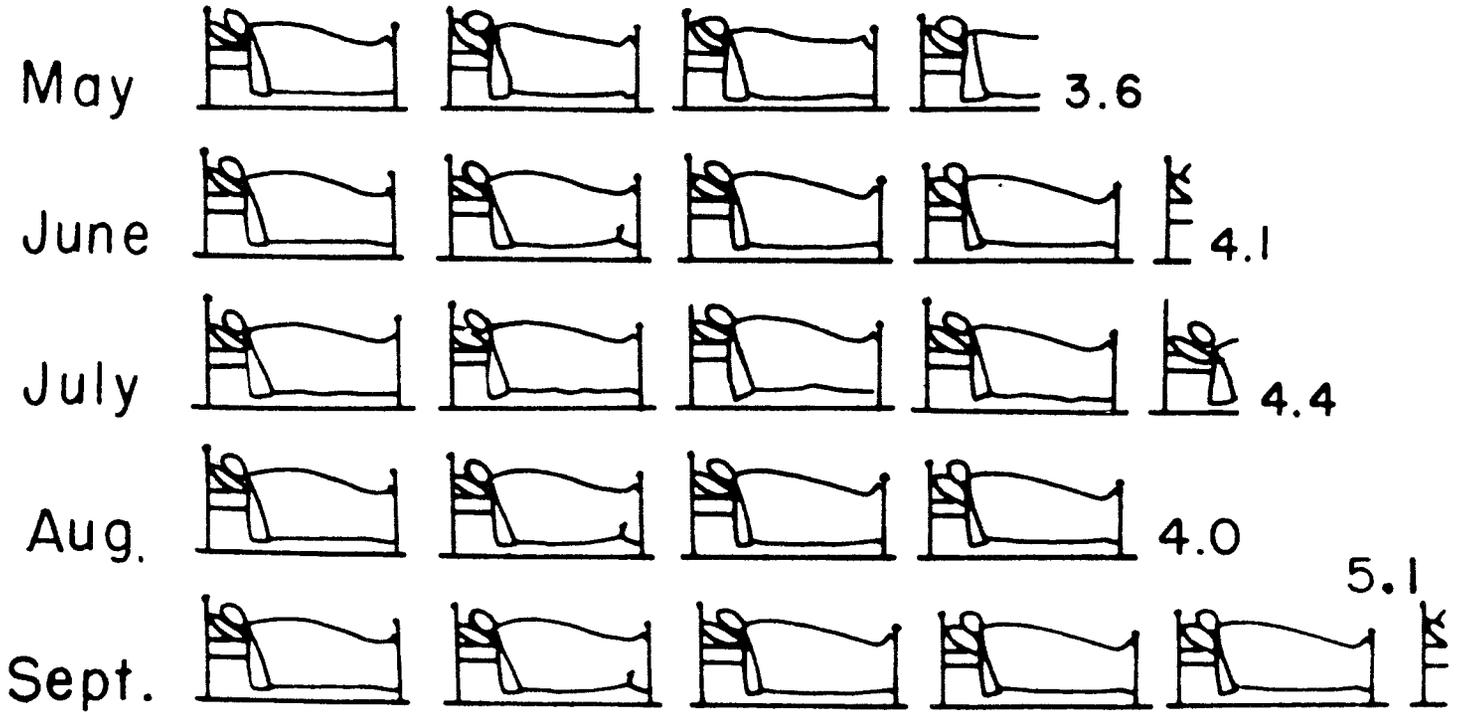
Days Lost Per 1,000 Days Scheduled



FREQUENCY RATE

Dwg. 8139
Unclassified

Illness Absences Per 1,000 Days Scheduled



PERCENT OF EMPLOYEES VISITING DISPENSARY

Dwg. 8140
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