

Hausler

CONSOLIDATED ANNUAL REPORT
on
State and Territorial
Public Health Laboratories
Fiscal Year 1965



U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta, Georgia 30333

SUPPLEMENTARY INFORMATION

TO

SECTION III: FINANCES

OF

CONSOLIDATED ANNUAL REPORT

ON

STATE AND TERRITORIAL

PUBLIC HEALTH LABORATORIES

FISCAL YEAR 1965

Source of Data: All Information was Furnished by State and
Territorial Laboratory Directors on Annual Questionnaire

TABLE 3-4. SOURCES OF LABORATORY FUNDS

	Expenditures	State Contribution	Percent Contributed By State	Federal and Other Contributions (a)
Ala.	\$ 600,000	\$ 462,000	77	\$ 138,000
Alaska	224,005	201,830	90	22,175
Ariz.	218,527	218,527	100	0
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	266,667	209,300	78	57,367
Conn.	908,900	834,700	92	74,200
Del.	148,450	83,700	56	64,750
D. C.	*	*	*	*
Fla.	894,200	713,600	80	180,600
Ga.	787,508	*	*	*
Hawaii	240,514	215,100	89	25,414
Ida.	177,761	153,133	86	24,628
Ill.	1,446,519	1,349,700	93	96,819
Ind.	386,524 (b)	342,855	89	43,669
Ia.	551,195	431,975	78	119,220
Kans.	*	*	*	*
Ky.	431,217	341,781	79	89,436
La.	800,604	793,405 (c)	99	7,199
Me.	89,903	84,038	93	5,865
Md.	*	*	*	*
Mass.	1,351,800	1,044,000	77	307,800
Mich.	*	*	*	*
Minn.	393,400	310,706	79	82,694
Miss.	179,900	165,100	83	34,800
Mo.	129,800	125,500	63	74,300
Mont.		*	*	*
Nebr.	*	*	*	*
Nev.	123,551	101,373	82	22,178
N. H.	*	*	*	*
N. J.	947,922	774,296	82	173,626
N. M.	200,800	195,600	97	5,200
N. Y.	4,951,477	4,147,900	84	803,577
N. C.	710,665	481,322	68	229,343
N. D.	145,931	81,100	56	64,831

TABLE 3-4. SOURCES OF LABORATORY FUNDS

	Expenditures	State Contribution	Percent Contributed by State	Federal and Other Contributions (a)
Ohio	452,204	308,220	68	143,984
Okla.	217,635	143,000	66	74,635
Ore.	*	*	*	*
Pa.	518,334	*	*	*
R. I.	248,400	*	*	*
S. C.	191,403	108,792	57	82,611
S. D.	*	*	*	*
Tenn.	778,800	695,700	89	83,100
Tex.	1,160,400	754,500	65	405,900
Utah	222,058	187,501	84	34,557
Vt.	153,687	139,800	91	13,887
Va.	383,412	383,412	100	0
Wash.	*	*	*	*
W. Va.	194,074	142,962	74	51,112
Wisc.	781,900	781,900	100	0
Wyo.	26,685	21,605	81	5,080
P. R.	242,226	197,906	82	44,320
V. I.	*	*	*	*

(a) Obtained by deducting state contribution from total expenditures.

(b) Includes only salaries and travel. Other operating expenses are not broken down by programs.

(c) The state also provided \$36,814 for Polio.

TABLE 3-5. FEDERAL CONTRIBUTIONS TO LABORATORY FUNDS BY PRINCIPAL PURPOSE

	General Health	Heart	Radiological Monitoring	Tuberculosis	Maternal and Child Health	Cancer
Ala.	57,000	36,000	0	111,000	30,000	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	0	52,600	0	0	0	0
Conn.	3,100	28,300	6,100	1,900	10,100	0
Del.	0	5,800	0	3,200	0	6,400
D. C.	*	*	*	*	*	*
Fla.	35,500	9,400	5,000	0	3,600	0
Ga.	*	*	*	*	*	*
Hawaii	25,500	0	0	0	0	0
Ida.	8,866	6,896	4,925	3,940	0	0
Ill.	51,800	0	0	27,500	17,400	0
Ind.	26,475	0	0	10,950	0	0
Ia.	0	0	23,220	0	0	0
Kans.	*	*	*	*	*	*
Ky.	45,412	0	0	21,549	22,475	0
La.	0	0	10,245	663	0	18,818
Me.	1,542	0	0	629	3,694	0
Md.	*	*	*	*	*	*
Mass.	10,400	15,600	0	0	64,500	0
Mich.	*	*	*	*	*	*
Minn.	13,315	4,568	0	26,007	25,360	0
Miss.	7,600	5,600	0	14,300	0	0
Mo.	27,700	7,500	4,900	0	4,900	0
Mont.	*	*	*	*	*	*
Nebr.	*	*	*	*	*	*
Nev.	7,008	1,000	0	6,770	2,500	0
N. H.	*	*	*	*	*	*
N. J.	49,673	5,986	0	0	43,468	26,250
N. M.	*	3,100	0	0	0	0
N. Y.	108,400	3,000	161,800	0	95,900	54,700
N. C.	25,736	34,286	21,044	6,878	0	8,298
N. D.	11,400	22,600	7,500	3,300	2,900	0

TABLE 3-5. FEDERAL CONTRIBUTIONS TO LABORATORY FUNDS BY PRINCIPAL PURPOSE

	General Health	Heart	Radiological Monitoring	Tuberculosis	Maternal and Child Health	Cancer
Ohio	46,556	0	0	25,560	23,988	14,832
Okla.	60,000	5,280	0	6,420	2,935	0
Ore.	*	*	*	*	*	*
Pa.	*	*	*	*	*	*
R. I.	0	0	0	0	18,800	9,600
S. C.	88,396 (a)	*	*	*	*	*
S. D.	*	*	*	*	*	*
Tenn.	30,000	0	0	0	16,000	0
Tex.	101,000	21,200	5,200	28,500	0	0
Utah	0	7,658	0	6,208	0	0
Vt.	8,200	0	0	0	0	0
Va.	0	0	0	0	0	0
Wash.	*	*	*	*	*	*
W. Va.	28,672	10,740	0	0	11,700	0
Wisc.	0	0	0	0	0	0
Wyo.	0	2,560	0	2,520	0	0
P. R.	4,800	8,400	0	0	3,750	0
V. I.	*	*	*	*	*	*

(a) Total Federal contributions, not broken down by program.

TABLE 3-5. FEDERAL CONTRIBUTIONS TO LABORATORY FUNDS BY PRINCIPAL PURPOSE
(Continued)

	Chronic Diseases	Water Pollution	Other National Program Grants	Non-Federal, Non-State, Sources
Ala.	0	0	100,000 (a)	0
Alaska	0	0	0	0
Ariz.	0	0	0	0
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	0	3,600	0	0
Conn.	7,900	0	16,800 (b)	0
Del.	0	0	0	0
D. C.	*	*	*	*
Fla.	0	0	0	0
Ga.	*	*	*	*
Hawaii	0	0	0	0
Ida.	0	0	0	0
Ill.	0	0	0	0
Ind.	0	13,770	0	0
Ia.	0	0	0	96,000 (c)
Kans.	*	*	*	*
Ky.	0	0	0	0
La.	0	0	0	0
Me.	0	0	0	0
Md.	*	*	*	*
Mass.	14,600	0	2,169	0
Mich.	*	*	0	*
Minn.	0	0	14,270	0
Miss.	7,300	0	0	0
Mo.	0	0	7,600 (d)	0
Mont.	*	*	*	*
Nebr.	*	*	*	*
Nev.	0	0	4,500 (e)	0
N. H.	*	*	*	0
N. J.	8,000	40,249	126,024 (f)	0
N. M.	0	0	0	0
N. Y.	5,000	25,300	389,500 (g)	0
N. C.	15,401	0	28,600 (h)	89,100 (i)
N. D.	0	900	16,200 (j)	0

TABLE 3-5. FEDERAL CONTRIBUTIONS TO LABORATORY FUNDS BY PRINCIPAL PURPOSE
(Continued)

	Chronic Diseases	Water Pollution	Other National Program Grants	Non-Federal, Non-State, Sources
Ohio	10,356	14,456	0	0
Okla.	0	0	0	0
Ore.	*	*	*	*
Pa.	*	*	*	*
R. I.	0	0	0	0
S. C.	*	*	*	*
S. D.	*	*	*	*
Tenn.	0	0	36,800	0
Tex.	0	0	250,000	0
Utah	3,794	11,467	5,430	0
Vt.	5,700	0	0	0
Va.	0	0	0	0
Wash.	*	*	*	*
W. Va.	0	0	0	0
Wisc.	0	0	241,200	0
Wyo.	0	0	0	0
P. R.	0	0	18,400 (k)	0
V. I.	*	*	*	*

(a) Shellfish Lab.

(b) Includes NIH Family Survey Coronary Disease, NIH Twin Study Coronary Disease, Vaccination assistance, and Seminar - Lab. Aspects Streptococcus Typing.

(c) Fees, \$64,000; Grants, \$32,000.

(d) VD special project

(e) Crippled children, \$2,500; Indian Service, \$2,000.

(f) Grants: (1) Ecology of Eastern Encephalitis (\$80,748), and (2) study of illness and its relation to sewage viruses (\$45,276).

(g) Research grants.

(h) Special T.B. project

(i) Departmental receipts

(j) Indian Health, 3,400; Lagoon Research, 12,800.

(k) Vaccination Act

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on State and Territorial
Public Health Laboratories

Fiscal Year 1965

For Administrative Use Only

SEPTEMBER 1966

A Collaborative Compilation
by the
Association of State and Territorial
Public Health Laboratory Directors
and the
Laboratory Branch
Communicable Disease Center
Public Health Service
U. S. Department of Health, Education, and Welfare
Atlanta, Georgia

ASSOCIATION OF STATE AND TERRITORIAL
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TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
SECTION I WORKLOAD DATA	5
SECTION II STAFFING	239
SECTION III FINANCES	245
SECTION IV FACILITIES	255
SECTION V STAFF TRAINING	267
SECTION VI EMPLOYMENT AND SEPARATIONS	277
SECTION VII MISCELLANEOUS INFORMATION	283

LIST OF TABLES

Table	Title	Page
1 - 1	Summary of Laboratory Examinations	6
<u>Diagnostic Bacteriology</u>		
1 - 2	Diphtheria	12
1 - 3	Streptococcus	16
1 - 4	Staphylococcus	20
1 - 5	Vincent's Angina	24
1 - 6	Darkfield Preparations	26
1 - 7	Gonorrhoea	28
1 - 8	Tuberculosis	32
1 - 9	Enteric Examinations	38
1 - 10	Blood Specimens Examined	44
1 - 11	Spinal Fluid Specimens Examined	46
1 - 12	Wound Exudate Specimens Examined	48
1 - 13	Dental Caries Specimens Examined	50
1 - 14	Miscellaneous	52
<u>Sanitary Bacteriology</u>		
1 - 15	Water Samples	60
1 - 16	Milk and Cream Samples	64
1 - 17	Frozen Desserts	68
1 - 18	"Other" Dairy Products	70
1 - 19	Food Samples	72
1 - 20	Sea Food Samples	78
1 - 21	Utensil Bacterial Counts	80
<u>Mycology</u>		
1 - 22	Dermatophytes	82
1 - 23	Systemic Fungi	84
1 - 24	FA Examinations for Systemic Fungi	86
<u>Parasitology</u>		
1 - 25	Intestinal Parasites	88
1 - 26	Trichomonas	94
1 - 27	Blood Parasites	96
1 - 28	Parasites and Arthropods	98
<u>Virology</u>		
1 - 29	Virology	100
1 - 30	Human Source Specimens	102

LIST OF TABLES
(Continued)

Table	Title	Page
1 - 31	Isolation Attempts	104
1 - 32	Identifications by Method	108
1 - 33	Animal Source Specimens	110
1 - 34	Animal Source Examinations	112
1 - 35	Sewage	114
1 - 36	Total Positive Findings	116
1 - 37	Rabies	122

Serology

1 - 38	Examinations of Blood for Syphilis	124
1 - 39	Examinations of Spinal Fluids for Syphilis	132
1 - 40	Bacterial	136
1 - 41	Fungal	148
1 - 42	Parasitological	154
1 - 43	Viral and Rickettsial	158

Hematology, Cytology, Histopathology

1 - 44	Hematology	186
1 - 45	Exfoliative Cytology	194
1 - 46	Histopathology	196

Clinical Chemistry

1 - 47	Blood	198
1 - 48	Urine	204

Sanitary Chemistry

1 - 49	Water	208
1 - 50	Milk and Cream	222

Industrial Chemistry, Toxicology

1 - 51	Industrial Chemistry	226
1 - 52	Toxicology	232

Staffing

2 - 1	Laboratory Staffing	240
2 - 2	Personnel Distribution	242

Finances

3 - 1	Laboratory Expenditures by Major Purpose	246
3 - 2	Laboratory Expenditures	250
3 - 3	Ranking of States by Expenditures and by Expenditures per capita	252

LIST OF TABLES
(Continued)

Table	Title	Page
<u>Facilities</u>		
4 - 1	Net Space Assigned to Laboratories	256
4 - 2	Net Space Assigned to Laboratory Services	258
4 - 3	Net Space Assigned to Administrative and Clerical Uses	260
4 - 4	Summary of Net Space Assignments	262
4 - 5	Status of Planning for New Laboratory Facilities	264
<u>Staff Training</u>		
5 - 1	Training of Professional and Technical Staff in Formal Courses and Seminars	268
5 - 2	Bench Training Received by Professional and Technical Staff	270
5 - 3	Academic Training of Laboratory Staff During Year Reported	272
5 - 4	Staff Attendance at Scientific Meetings	274
<u>Employment and Separations</u>		
6 - 1	Employment and Separations in all Positions	278
6 - 2	Employment and Separations in Professional and Technical Positions	280
<u>Miscellaneous Information</u>		
7 - 1	Clinical and Hospital Laboratories	284
7 - 2	Laboratory Licensure and Approval - Hospital Laboratories	286
7 - 3	Laboratory Licensure and Approval - Clinical Laboratories (Non-Hospital)	288
7 - 4	Production of Biologics for Human Use	290
7 - 5	Availability and Location of Computer Equipment	292
7 - 6	Laboratory Data Processing Methods	294
7 - 7	Phenylketonuria Screening Program	296

INTRODUCTION

INTRODUCTION

The Association of State and Territorial Public Health Laboratory Directors (ASTPHLD) has long recognized the need for periodic reports containing comprehensive and current information on laboratory activities. This report is the second in a series of annual reports prepared from data submitted by the State and Territorial Laboratory Directors.

Following discussions with the ASTPHLD Committee on Current Operations of Constituent Laboratories, the Laboratory Consultation and Development Section, Laboratory Branch of the Communicable Disease Center (CDC) compiled the information and arranged for publication and distribution of the 1965 Consolidated Annual Report. Forty-seven states and Puerto Rico submitted data for inclusion in the report.

Data which change little from year to year have been omitted this year. New tables of data added this year include: PKU testing, facilities planning, laboratory licensure and approval, and data processing information.

Totals for the many columns of statistical data are not shown in order to avoid invalid conclusions where individual items were omitted by one or more states. While definitions of examinations and specimens were established, it was difficult to apply these definitions in some states. The reader should keep this in mind when making comparisons between states.

Where an asterisk (*) appears, it will indicate that information was not reported. States reporting less than 12 months of data have been shown as not reporting. Other footnotes are included with tables. Data from twenty-five states include branch or regional laboratory activities. (See Page 7).

The format used by the laboratories for reporting workload information varies widely. Consequently, a major effort and some ingenuity were required by many directors to complete the reporting forms. Therefore, this report may contain errors in interpretation as well as in transcribing and calculating quantities. Nevertheless, this publication should be regarded as another step toward making available to state public health laboratory personnel and others information needed for improved laboratory operation. As these operations become more and more complex and the responsibilities of the laboratory directors expand, statistical information will become an indispensable management tool for planning, budgeting, and control.

SECTION I

WORKLOAD DATA

TABLE 1-1. SUMMARY OF LABORATORY EXAMINATIONS

	Diagnostic Bacteriology	Sanitary Bacteriology	Mycology	Parasitology	Virology	Syphilis Serology
Ala.	x	x		x	x	
Alaska	x	x	x	x	x (a)	x
Ariz.	x	x	x	x	x (a)	x
Ark.	*	*	*	*	*	*
Cal.	x	x	x	x	*	x
Colo.	x	x	x	x	x	x
Conn.	x	x	x	x	x	x
Del.	x	x		x	x (a)	x
D. C.	*	*	*	*	*	*
Fla.	x	x	x	x	x	x
Ga.	x	x	x	x	x	x
Hawaii	x	x	x	x	x	x
Ida.	x	x	x	x	x	x
Ill.	x	x	x	x	x	x
Ind.	x	x	x	x	x (a)	x
Ia.	x	x	x	x	x	x
Kans.	x	x	x	x	x	x
Ky.	x	x	x	x	x	x
La.	x	x	x	x	x	x
Me.	x	x	x	x	x (a)	x
Md.	x	x		x	x	x
Mass.	x	x	x	x	x	x
Mich.	x		x	x	x	x
Minn.	x		x	x	x	x
Miss.	x	x	x	x	x (a)	x
Mo.	x	x	x	x	x	x
Mont.	*	*	*	*	*	*
Nebr.	x	x	x	x	x	x
Nev.	x	x	x	x		x
N. H.	x		x	x	x (a)	x
N. J.	x	x	x	x	x	x
N. M.	x	x	x	x	x	x
N. Y.	x	x	x	x	x	x
N. C.	x	x	x	x	x	x
N. D.	x	x	x	x	x	x

TABLE 1-1. SUMMARY OF LABORATORY EXAMINATIONS

	Diagnostic Bacteriology	Sanitary Bacteriology	Mycology	Parasitology	Virology	Syphilis Serology
Ohio	x	x	x	x	x	x
Okla.	*	*	*	*	*	*
Ore.	x	x	x	x	x	x
Pa.	x	x	x	x	x	x
R. I.	x	x	x	x	x (a)	x
S. C.	x	x	x	x	x	x
S. D.	*	*	*	*	*	*
Tenn.	x	x	x	x	x	x
Tex.	x	x	x	x	x	x
Utah	x	x	x	x	x	x
Vt.	x	x	x	x	x	x
Va.	x	x	x	x	x	x
Wash.	x	x	x	x	x	x
W. Va.	x	x	x	x	x	x
Wisc.	x	x	x	x	x	x
Wyo.	x	x	x	x		x
P. R.	x	x	x	x	x	x
V. I.	*	*	*	*	*	*

States reporting branch or regional laboratory activities:

Alabama	Kentucky	North Dakota
Alaska	Louisiana	Ohio
Arizona	Maryland	South Carolina
Florida	Michigan	Tennessee
Georgia	Mississippi	Texas
Hawaii	Nebraska	Utah
Idaho	Nevada	Virginia
Illinois	New Jersey	
Iowa	New Mexico	

TABLE 1-1. SUMMARY OF LABORATORY EXAMINATIONS
(Continued)

	Bacterial Serology	Fungal Serology	Parasitological Serology	Viral and Rickettsial Serology	Hematology
Ala.	x	x		x	
Alaska	x				x
Ariz.	x	x		x	x
Ark.	*	*	*	*	*
Cal.	x	x	x	*	x
Colo.	x			x	
Conn.	x		x	x	
Del.	x				x
D. C.	*	*	*	*	*
Fla.	x			x	x
Ga.	x	x		x	x
Hawaii	x			x	x
Ida.	x			x	x
Ill.	x	x	x	x	
Ind.	x	x	x	x	
Ia.	x	x	x	x	
Kans.	x	x		x	x
Ky.	x	x		x	
La.	x	x	x	x	x
Me.	x		x		x
Md.	x	x	x	x	x
Mass.	x			x	
Mich.	x	x		x	*
Minn.	x	x	x	x	
Miss.	x	x			
Mo.	x	x		x	
Mont.	*	*	*	*	*
Nebr.	x			x	x
Nev.	x				x
N. H.	x			x	x
N. J.	x		x	x	
N. M.	x			x	x
N. Y.	x	x	x	x	x
N. C.	x	x	x	x	
N. D.	x			x	x

TABLE 1-1. SUMMARY OF LABORATORY EXAMINATIONS
(Continued)

	Bacterial Serology	Fungal Serology	Parasitological Serology	Viral and Rickettsial Serology	Hematology
Ohio	x	x	x	x	x
Okla.	*	*	*	*	*
Ore.	x		x	x	
Pa.	x			x	
R. I.	x				x
S. C.					x
S. D.	*	*	*	*	*
Tenn.	x	x		x	x
Tex.	x	x	x	x	
Utah	x		x	x	x
Vt.	x	x		x	x
Va.	x	x	x	x	x
Wash.	x		x	x	
W. Va.	x			x	x
Wisc.	x	x	x	x	x
Wyo.	x				x
P. R.	x	x		x	x
V. I.	*	*	*	*	*

TABLE 1-1. SUMMARY OF LABORATORY EXAMINATIONS
(Continued)

	Pathologic Anatomy	Clinical Chemistry- Blood	Clinical Chemistry- Urine	Sanitary Chemistry	Industrial Chemistry	Toxicology
Ala.	x	x	x	x		
Alaska				x		
Ariz.		x	x	x	x	
Ark.	*	*	*	*	*	*
Cal.				x	x	*
Colo.		x		x	x	
Conn.		x	x	x	x	x
Del.	x	x	x	x (b)		
D. C.	*	*	*	*	*	*
Fla.		x	x	x	x (c)	x
Ga.		x		x		
Hawaii			x	x		x
Ida.		x	x	x	x	x
Ill.		x	x	x		x
Ind.				x		
Ia.		x		x	x	x
Kans.		x		x		x
Ky.				x	x	x
La.	x	x	x	x	x	x
Me.		x		x	x	x
Md.	x	x	x	x	x	
Mass.		x	x			
Mich.	*	*	*	*	*	*
Minn.		x				
Miss.		x		x		
Mo.				x	x	x
Mont.	*	*	*	*	*	*
Nebr.		x		x	x	
Nev.		x	x			
N. H.		x	x			
N. J.		x	x	x		
N. M.		x		x	x	x
N. Y.	x	x		x	x	
N. C.	x	x		x	x	
N. D.				x		

TABLE 1-1. SUMMARY OF LABORATORY EXAMINATIONS
(Continued)

	Pathologic Anatomy	Clinical Chemistry- Blood	Clinical Chemistry- Urine	Sanitary Chemistry	Industrial Chemistry	Toxicology
Ohio		x	x	x	x	x
Okla.	*	*	*	*	*	*
Ore.						
Pa.						
R. I.	x	x	x			x
S. C.		x	x	x		
S. D.	*	*	*	*	*	*
Tenn.		x		x		
Tex.				x	x	
Utah		x	x	x	x	
Vt.		x		x		x
Va.		x	x	x		
Wash.		x	x	x	x	
W. Va.		x	x			
Wisc.	x	x	x	x	x	x
Wyo.		x				
P. R.		x	x	x	x	x
V. I.	*	*	*	*	*	*

(a) Perform examinations for Rabies only.

(b) Phosphatase examinations of milk and cream only.

(c) Radiological chemistry only.

TABLE 1-2. DIAGNOSTIC BACTERIOLOGY: DIPHTHERIA

	Specimens	Examinations	Positives
Ala.	*	2,368	*
Alaska	9	9	0
Ariz.	0	0	0
Ark.	*	*	*
Cal.	55	62	32
Colo.	*	34	0
Conn.	818	818	0
Del.	344	344	*
D. C.	*	*	*
Fla.	6,961	6,961	64
Ga.	855	857	72
Hawaii	21	21	0
Ida.	31	31	*
Ill.	8,139	8,152	3
Ind.	38	38	0
Ia.	216	1,302	0
Kans.	192	194	0
Ky.	10,298	16,712	793
La.	*	1,180	43
Me.	50	78	3
Md.	59,418	52,504	12
Mass.	23,775	23,800	11
Mich.	65,555	131,112	9
Minn.	6,112	6,186	42
Miss.	66	66	2
Mo.	38	76	0
Mont.	*	*	*
Nebr.	214	234	2
Nev.	19	55	*
N. H.	220	220	6
N. J.	986	991	0
N. M.	139	139	1
N. Y.	63	63	4
N. C.	120	240	3
N. D.	782	783	2

TABLE 1-2. DIAGNOSTIC BACTERIOLOGY: DIPHTHERIA

	Specimens	Examinations	Positives
Ohio	2,383	2,391	0
Okla.	*	*	*
Ore.	*	90	0
Pa.	52	56	0
R. I.	*	1,687	2
S. C.	*	350	*
S. D.	*	*	*
Tenn.	32	32	2
Tex.	*	1,881	65
Utah	8	20	0
Vt.	4,400	4,410	0
Va.	3,535	3,535	0
Wash.	*	1,348	*
W. Va.	46	93	0
Wisc.	81	*	*
Wyo.	2	2	0
P. R.	*	38,935	*
V. I.	*	*	*

TABLE 1-2. DIAGNOSTIC BACTERIOLOGY: DIPHTHERIA
(Continued)

	Direct Smears	Cultures	Toxigenicity		Referred Cultures	FA	FA
			in vivo	in vitro		Primary Cultures	Referred Cultures
Ala.	0	1,982	45	41	300	0	0
Alaska	0	9	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*
Cal.	0	5	7	0	50	0	0
Colo.	0	34	0	0	0	0	0
Conn.	0	818	0	0	0	0	0
Del.	172	172	0	0	0	0	0
D. C.	*	*	*	*	*	*	*
Fla.	0	0	0	6,961	0	0	0
Ga.	0	857	0	0	0	0	0
Hawaii	7	14	0	0	0	0	0
Ida.	0	28	0	0	0	3	0
Ill.	0	8,139	3	3	7	0	0
Ind.	0	38	0	0	0	0	0
Ia.	0	1,296	4	0	0	0	2
Kans.	0	188	2	0	4	0	0
Ky.	8,588	8,032	0	0	92	0	0
La.	0	943	0	33	0	204	0
Me.	0	50	0	14	5	9	0
Md.	12,757	39,735	12	0	0	0	0
Mass.	0	23,775	11	0	3	11	0
Mich.	131,110	2	0	0	0	0	0
Minn.	0	6,112	74	0	0	0	0
Miss.	0	66	0	0	0	0	0
Mo.	38	38	0	0	0	0	0
Mont.	*	*	*	*	*	*	*
Nebr.	0	214	0	15	5	0	0
Nev.	18	18	0	0	1	18	0
N. H.	0	198	4	4	0	0	14
N. J.	0	986	0	0	5	0	0
N. M.	0	139	0	0	0	0	0
N. Y.	0	55	4	0	4	0	0
N. C.	120	120	0	0	0	0	0
N. D.	10	732	13	0	8	12	8

TABLE 1-2. DIAGNOSTIC BACTERIOLOGY: DIPHTHERIA
(Continued)

	Direct Smears	Cultures	Toxigenicity		Referred Cultures	FA	FA
			in vivo	in vitro		Primary Cultures	Referred Cultures
Ohio	0	2,383	1	0	7	0	0
Okla.	*	*	*	*	*	*	*
Ore.	45	45	0	0	0	0	0
Pa.	0	30	0	4	22	0	0
R. I.	0	1,682	2	2	1	0	0
S. C.	175	175	0	0	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	0	32	0	0	0	0	0
Tex.	0	1,856	0	25	0	0	0
Utah	8	8	0	0	4	0	0
Vt.	0	4,400	0	0	10	0	0
Va.	2	3,533	0	0	0	0	0
Wash.	0	1,315	*	*	0	33	0
W. Va.	46	46	1	0	0	0	0
Wisc.	*	*	*	*	*	*	*
Wyo.	0	2	0	0	0	0	0
P. R.	19,464	19,464	7	0	0	0	0
V. I.	*	*	*	*	*	*	*

TABLE 1-3. DIAGNOSTIC BACTERIOLOGY: STREPTOCOCCUS

	Specimens	Examinations	Positives
Ala.	*	21,378	*
Alaska	495	608	208
Ariz.	1,454	4,362	333
Ark.	*	*	*
Cal.	(a)	(a)	(a)
Colo.	137,235	175,326	35,259
Conn.	131,248	189,648	33,831
Del.	102	102	49
D. C.	*	*	*
Fla.	12,820	12,820	2,503
Ga.	5,189	5,189	754
Hawaii	16,149	18,451	2,321
Ida.	*	11,873	*
Ill.	32,099	32,149	5,663
Ind.	19	57	38
Ia.	12,475	17,055	4,244
Kans.	878	1,644	360
Ky.	2,727	8,254	1,221
La.	*	2,440	337
Me.	3,350	5,070	872
Md.	*	58,691	10,866
Mass.	25,779	41,867	6,256
Mich.	112,382	112,382	21,976
Minn.	(a)	(a)	(a)
Miss.	7,873	23,619	1,175
Mo.	*	8,572	1,932
Mont.	*	*	*
Nebr.	243	449	95
Nev.	*	38	1
N. H.	7,340	10,917	2,393
N. J.	10,600	21,867	2,159
N. M.	1,379	2,619	327
N. Y.	4,558	4,558	1,073
N. C.	26,428 (b)	26,428 (b)	6,215
N. D.	8,261	19,410	2,210

TABLE 1-3. DIAGNOSTIC BACTERIOLOGY: STREPTOCOCCUS

	Specimens	Examinations	Positives
Ohio	5,707	7,315	1,359
Okla.	*	*	*
Ore.	*	1,471	202
Pa.	159	155	119
R. I.	*	18,800	2,312
S. C.	*	768	*
S. D.	*	*	*
Tenn.	37,909	37,909	7,879
Tex.	*	1,239	137
Utah	5,487	7,084	268 (c)
Vt.	4,400	5,140	700
Va.	19,106	29,631	4,109
Wash.	*	7,943	480
W. Va.	6,830	15,762	2,626
Wisc.	31,951	43,207	*
Wyo.	2,317	2,811	398
P. R.	*	6,112	448
V. I.	*	*	*

(a) Reported with Miscellaneous Bacteriology and included in Table 1-14.

(b) Includes Staphylococcus.

(c) Branch Laboratory positives only. Central Laboratory total unknown.

TABLE 1-3. DIAGNOSTIC BACTERIOLOGY: STREPTOCOCCUS
(Continued)

	Culture	GROUP A		Other Group Positives	Method Used		Referred Cultures
		Method Used			FA	Precipitin	
		FA	Precipitin				
Ala.	17,332	3,429	50	*	567	0	0
Alaska	495	4	*	77	*	*	0
Ariz.	1,454	1,454	0	0	0	0	0
Ark.	*	*	*	*	*	*	*
Cal.	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colo.	137,235	36,394	870	8,901	0	0	827
Conn.	131,248	52,466	539	4,728	4,728	585	82
Del.	0	6	43	2	0	2	0
D. C.	*	*	*	*	*	*	*
Fla.	12,820	0	0	0	0	0	*
Ga.	5,189	0	0	0	0	0	0
Hawaii	16,149	2,302	0	0	0	0	0
Ida.	9,105	2,768	0	* (b)	*	*	*
Ill.	32,099	0	4	5	0	5	32
Ind.	0	0	7	12	0	12	19
Ia.	12,475	4,244	0	16	0	320	0
Kans.	776	264	142	*	0	82	102
Ky.	2,727	5,420	107	0	0	0	0
La.	2,135	72	69	*	0	82	0
Me.	3,350	904	0	0	0	0	24
Md.	46,613	*	*	0	0	0	0
Mass.	25,727	7,616	3	852	0	852	53
Mich.	112,382	0	0	0	0	0	0
Minn.	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Miss.	7,873	7,873	0	0	0	0	(u)
Mo.	1,733	3,196	1,733	*	0	10	0
Mont.	*	*	*	*	*	*	*
Nebr.	243	0	79	10	0	127	0
Nev.	18	18	1	0	0	0	0
N. H.	7,340	3,431	82	*	16	16	16
N. J.	10,600	10,600	388	239	0	276	3
N. M.	1,379	*	*	*	*	*	0
N. Y.	126	4,232	43	*	0	31	*
N. C.	26,428 (c)	*	*	*	*	*	*
N. D.	12,337	7,043	0	8	0	10	20

TABLE 1-3. DIAGNOSTIC BACTERIOLOGY: STREPTOCOCCUS
(Continued)

	Culture	GROUP A Method Used		Other Group Positives	Method Used		Referred Cultures
		FA	Precipitin		FA	Precipitin	
Ohio	5,707	854	0	79	0	113	3
Okla.	*	*	*	*	*	*	*
Ore.	631	631	0	0	0	0	7
Pa.	46	0	6	0	0	0	113
R. I.	16,441	1,966	6	*	346	8	33
S. C.	368	400	0	0	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	37,909	*	*	0	0	0	0
Tex.	802	250	0	8	0	25	0
Utah	5,487	1,597	0	0	0	0	0
Vt.	4,400	670	30	*	0	30	10
Va.	19,154 (d)	1,457	181	65	0	65	43
Wash.	3,189	1,565	*	*	*	*	*
W. Va.	6,830	6,830	634	58	0	58	0
Wisc.	43,207	0	0	0	0	0	0
Wyo.	2,317	405	39	50	0	50	0
P. R.	*	6,092	0	*	0	20	0
V. I.	*	*	*	*	*	*	*

(a) Reported with Miscellaneous Bacteriology and included in Table 1-14.

(b) Records not kept on number of cultures showing other streptococcus grouping.

(c) Includes Staphylococcus.

(d) Includes 352 isolates not grouped on request of physician.

TABLE 1-4. DIAGNOSTIC BACTERIOLOGY: STAPHYLOCOCCUS

	Specimens	Examinations	Positives
Ala.	*	436	*
Alaska	22	65	18
Ariz.	0	0	0
Ark.	*	*	*
Cal.	(a)	(a)	(a)
Colo.	72	300	60
Conn.	3,256	9,768	3,256
Del.	59	59	*
D. C.	*	*	*
Fla.	12,820	13,603	783
Ga.	1,075	2,999	46
Hawaii	6,121	10,454	402
Ida.	*	531	*
Ill.	3,445	5,462	2,308
Ind.	1,133	2,376	692
Ia.	13,556	19,051	3,182
Kans.	3,525	15,029	3,525
Ky.	1,009	2,886	*
La.	*	4,811	1,392
Me.	*	104	*
Md.	240	31,853	9,597
Mass.	5,268	7,100	1,832
Mich.	116,002	66,821	10,716
Minn.	382	1,528	382
Miss.	1,080 (b)	1,980	459
Mo.	164	239	164
Mont.	*	*	*
Nebr.	32	57	15
Nev.	61	172	*
N. H.	919	1,587	221
N. J.	837	2,493	199
N. M.	1,750	1,819	*
N. Y.	4,064	6,228	2,029
N. C.	(c)	(c)	978
N. D.	1,810	5,070	787

TABLE 1-4. DIAGNOSTIC BACTERIOLOGY: STAPHYLOCOCCUS

	Specimens	Examinations	Positives
Ohio	11,498	35,883	*
Okla.	*	*	*
Ore.	*	56	11
Pd.	767	794	*
R. I.	*	*	18
S. C.	*	60	*
S. D.	*	*	*
Tenn.	464	5,890	18
Tex.	*	3,069	*
Utah	915	1,556	356
Vt.	750	2,690	740
Va.	4,279	6,420	1,843
Wash.	*	3,189	*
W. Va.	63	173	47
Wisc.	4,089	4,921	*
Wyo.	138	202	16
P. R.	*	743	424
V. I.	*	*	*

- () Reported with Miscellaneous Bacteriology and included in Table 1-14.
- (b) Specimens for staphylococcus culture other than those from oral and respiratory tract are tabulated under Miscellaneous Bacteriology, Table 1-14.
- (c) Included with Streptococcus totals, Table 1-3.

TABLE 1-4. DIAGNOSTIC BACTERIOLOGY: STAPHYLOCOCCUS
(Continued)

	Culture	Coagulase Tube Tests	Clumping Factor Tests	Bacteriophage Typing	Antibiotic Sensitivity	Referred Cultures
Ala.	218	218	0	0	0	0
Alaska	22	21	0	0	22	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	(a)	(a)	(a)	(a)	(a)	(a)
Colo.	72	72	0	72	12	72
Conn.	0	3,256	0	3,256	0	3,256
Del.	42	16	0	0	1	0
D. C.	*	*	*	*	*	*
Fla.	12,820	783	0	0	0	*
Ga.	46	1,075	0	939	0	939
Hawaii	2,348	4,237	0	3,773	96	0
Ida.	*	*	*	531	*	*
Ill.	1,568	128	43	1,877	0	1,846
Ind.	0	110	0	1,133	0	1,133
Ia.	13,556	1,232	0	1,081	2,101	1,081
Kans.	3,525	1,628	0	6,479	266	3,131
Ky.	929	48	0	999	0	910
La.	2,154	2,154	0	503	0	0
Me.	38	28	38	0	0	0
Md.	13,454	402	11,204	1,608	5,185	0
Mass.	5,268	0	1,832	0	0	0
Mich.	62,795	416	0	3,194	0	416
Minn.	382	382	0	382	0	382
Miss.	1,080	100	800	0	0	(b)
Mo.	0	0	0	239	0	0
Mont.	*	*	*	*	*	*
Nebr.	32	25	0	0	0	0
Nev.	61	54	0	0	54	3
N. H.	919	42	426	0	200	0
N. J.	837	35	0	793	35	793
N. M.	69	69	0	1,681	0	0
N. Y.	2,164	2,164	0	1,855	45	*
N. C.	(c)	0	0	0	0	0
N. D.	2,010	1,250	0	0	1,810	0

TABLE 1-4. DIAGNOSTIC BACTERIOLOGY: STAPHYLOCOCCUS
(Continued)

	Culture	Coagulase Tube Tests	Clumping Factor Tests	Bacteriophage Typing	Antibiotic Sensitivity	Referred Cultures
Ohio	4,660 (d)	1,947	0	11,219	11,219	6,838
Okla.	*	*	*	*	*	*
Ore.	22	22	0	0	0	12
Pa.	39	27	0	724	2	2
R. I.	*	10	0	0	0	0
S. C.	60	0	0	0	0	0
S. C.	*	*	*	*	*	*
Tenn.	464	2,722	0	2,704	0	0
Tex.	0	630	0	1,239	0	1,200
Utah	915	595	0	0	32	14
Vt.	750	750	0	570	50	570
Va.	4,360	1,934	0	43	2	81
Wash.	3,189	*	0	0	*	*
W. Va.	63	63	0	(e)	0	47
Wisc.	0	2,089	0	0	2,832	0
Wyo.	138	32	0	0	32	0
P. R.	0	743	0	0	0	0
V. I.	*	*	*	*	*	*

(a) Staphylococcus examinations reported with Miscellaneous Bacteriology and included in Table 1-14.

(b) Tabulated under Miscellaneous Bacteriology.

(c) Included with Streptococcus totals, Table 1-3.

(d) Includes branch laboratory referred cultures.

(e) Referred to the Communicable Disease Center.

TABLE 1-5. DIAGNOSTIC BACTERIOLOGY: VINCENT'S ANGINA

	Specimens	Examinations	Positives
Ala.	0	0	0
Alaska	5	5	3
Ariz.	0	0	0
Ark.	*	*	*
Cal.	(a)	(a)	(a)
Colo.	*	6	1
Conn.	452	452	167
Del.	15	15	2
D. C.	*	*	*
Fla.	48,088	48,088	412
Ga.	41	41	32
Hawaii	3	3	0
Ida.	*	(b)	*
Ill.	665	665	239
Ind.	1	1	1
Ia.	186	372	75
Kans.	180	180	86
Ky.	0	0	0
La.	*	27	17
Me.	0	0	0
Md.	*	53	40
Mass.	34	32	12
Mich.	*	933	153
Minn.	(a)	(a)	(a)
Miss.	56	56	36
Mo.	0	0	0
Mont.	*	*	*
Nebr.	0	0	0
Nev.	3	3	*
N. H.	50	50	29
N. J.	4	4	0
N. M.	0	0	0
N. Y.	5	5	3
N. C.	*	99	12
N. D.	123	123	52

TABLE 1-5. DIAGNOSTIC BACTERIOLOGY: VINCENT'S ANGINA

	Specimens	Examinations	Positives
Ohio	62	62	5
Okla.	*	*	*
Ore.	*	44	19
Pa.	1	1	0
R. I.	*	18	*
S. C.	*	*	15
S. D.	*	*	*
Tenn.	*	14	9
Tex.	0	0	0
Utah	0	0	0
Vt.	60	120	*
Va.	*	72	12
Wash.	*	*	*
W. Va.	1,326	1,326	53
Wisc.	155	155	*
Wyo.	0	0	0
P. R.	0	0	0
V. I.	*	*	*

(a) Reported with Miscellaneous Bacteriology and included in Table 1-14.

(b) Recorded with smears under Miscellaneous Bacteriology, Table 1-14.

TABLE 1-6. DIAGNOSTIC BACTERIOLOGY: DARKFIELD PREPARATIONS

	Specimens	Examinations	Positives
Ala.	*	18	*
Alaska	10	10	1
Ariz.	(a)	(a)	(a)
Ark.	*	*	*
Cal.	16	16	1
Colo.	0	0	0
Conn.	0	0	0
Del.	22	22	3
D. C.	*	*	*
Fla.	319 (b)	319 (b)	84 (b)
Ga.	22	22	6
Hawaii	14	14	2
Ida.	17	17	0
Ill.	20	20	6
Ind.	0	0	0
Ia.	0	0	0
Kans.	0	0	0
Ky.	0	0	0
La.	*	9	3
Me.	2	2	1
Md.	25	25	4
Mass.	0	0	0
Mich.	0	0	0
Minn.	9	9	1
Miss.	0	0	0
Mo.	0	0	0
Mont.	*	*	*
Nebr.	30	30	8
Nev.	3	3	*
N. H.	6	6	2
N. J.	0	0	0
N. M.	68	52	16
N. Y.	3	3	0
N. C.	0	0	0
N. D.	9	9	0

TABLE 1-6. DIAGNOSTIC BACTERIOLOGY: DARKFIELD PREPARATIONS

	Specimens	Examinations	Positives
Ohio	2	2	0
Okla.	*	*	*
Ore.	*	21	1
Pa.	1	1	0
R. I.	*	5	2
S. C.	0	0	0
S. D.	*	*	*
Tenn.	0	0	0
Tex.	*	1,739	266
Utah	0	0	0
Vt.	10	10	0
Va.	85	85	31
Wash.	*	69	16
W. Va.	4	4	0
Wisc.	0	0	0
Wyo.	0	0	0
P. R.	0	0	0
V. I.	*	*	*

(a) Examinations shown under Neisseria gonorrhoeae.

(b) Darkfield examinations performed in local health department clinics not included.

TABLE 1-7. DIAGNOSTIC BACTERIOLOGY: GONORRHEA

	Specimens	Examinations	Positives
Ala.	*	23,284	*
Alaska	776	818	208
Ariz.	7,748	21,547	555
Ark.	*	*	*
Cal.	1,284	1,423	516
Colo.	1,495	1,507	212
Conn.	15,088	15,088	962
Del.	3,277	3,277	840
D. C.	*	*	*
Fla.	67,403	67,403	9,572
Ga.	15,751	15,751	1,955
Hawaii	2,617	3,624	388
Ida.	*	3,724	*
Ill.	38,601	38,612	5,436
Ind.	13,209	13,315	1,164
Ia.	1,862	3,798	393
Kans.	4,981	4,981	640
Ky.	*	4,219	0
La.	*	11,141	3,237
Me.	2,022	2,051	352
Md.	5,687	5,694	951
Mass.	4,457	997	991
Mich.	34,308	54,120	2,412
Minn.	6,132	6,528	687
Miss.	619	619	119
Mo.	4,800	3,892	708
Mont.	*	*	*
Nebr.	885	953	146
Nev.	5,038	5,038	712
N. H.	1,083	1,451	147
N. J.	4,129	4,122	790
N. M.	2,452	2,452	514
N. Y.	2,381	2,427	155
N. C.	3,412	3,412	558
N. D.	2,014	1,996	355

TABLE 1-7. DIAGNOSTIC BACTERIOLOGY: GONORRHEA

	Specimens	Examinations	Positives
Ohio	4,234	4,234	905
Okla.	*	*	*
Ore.	*	3,637	613
Pa.	1,816	1,818	*
R. I.	*	2,593	214
S. C.	16,188	16,188	2,395
S. D.	*	*	*
Tenn.	0	0	0
Tex.	*	26,293	3,785
Utah	1,773	1,780	*
Vt.	1,250	2,500	160
Va.	14,765	14,765	2,664
Wash.	*	533	78
W. Va.	1,353	1,353	199
Wisc.	5,091	5,156	*
Wyo.	531	535	*
P. R.	*	4,123	913
V. I.	*	*	*

TABLE 1-7. DIAGNOSTIC BACTERIOLOGY: GONORRHEA
(Continued)

	Smear	Culture and Oxidase	Fermentation	FA Direct	FA Delayed
Ala.	23,284	0	0	0	0
Alaska	575	201	42	0	0
Ariz.	2,218	19,251	0	0	78
Ark.	*	*	*	*	*
Cal.	491	788	144	0	0
Colo.	1,400	95	12	0	0
Conn.	15,088	0	0	0	0
Del.	3,277	0	0	0	0
D. C.	*	*	*	*	*
Fla.	48,058	17,895	0	0	1,450
Ga.	15,751	0	0	0	0
Hawaii	1,537	1,300	648	0	139
Ida.	1,453	1,210	0	0	1,061
Ill.	37,755	846	11	0	0
Ind.	13,109	100	4	98	4
Ia.	3,724	66	8	0	0
Kans.	4,980	1	0	0	0
Ky.	4,211	4	4	0	0
La.	8,429	1,002	0	1,710	0
Me.	1,986	36	15	14	0
Md.	5,598	96	0	0	0
Mass.	991	2	2	2	0
Mich.	53,390	730	0	0	0
Minn.	5,736	396	396	0	0
Miss.	619	0	0	0	0
Mo.	3,892	0	0	0	0
Mont.	*	*	*	*	*
Nebr.	885	61	7	0	0
Nev.	4,928	110	0	0	0
N. H.	1,083	11	0	357	0
N. J.	4,122	0	0	0	0
N. M.	1,493	959	0	0	0
N. Y.	2,381	23	23	0	0
N. C.	3,412	0	0	0	0
N. D.	1,887	109	0	0	0

TABLE 1-7. DIAGNOSTIC BACTERIOLOGY: GONORRHEA
(Continued)

	Smear	Culture and Oxidase	Fermentation	FA Direct	FA Delayed
Ohio	4,232	2	0	0	0
Okla.	*	*	*	*	*
Ore.	3,472	118	47	0	0
Pa.	1,808	8	2	0	0
R. I.	2,570	20	3	0	0
S. C.	16,188	0	0	0	0
S. D.	*	*	*	*	*
Tenn.	0	0	0	0	0
Tex.	10,622	15,636	35	0	0
Utah	1,761	19	0	0	0
Vt.	2,500	0	0	0	0
Va.	14,765	0	0	0	0
Wash.	205	0	0	0	328
W. Va.	1,353	0	0	0	0
Wisc.	3,885	1,271	0	0	0
Wyo.	531	4	0	0	0
P. R.	4,084	39	0	0	0
V. I.	*	*	*	*	*

TABLE 1-8. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS

	Specimens	Examinations	Positives	
			Mycobacterium Tuberculosis	Mycobacterium, Atypical
Ala.	*	248,591	*	300
Alaska	19,158	19,492	289	2
Ariz.	4,667	13,778	935	314
Ark.	*	*	*	*
Cal.	4,366	22,912	321	541
Colo.	2,085	3,529	*	*
Conn.	6,205	27,128	407	76
Del.	2,751	2,751	*	*
D. C.	*	*	*	*
Fla.	51,148	144,970	2,148	2,806
Ga.	43,775	224,249	1,474	682
Hawaii	4,842	14,305	79	121
Ida.	*	2,017	15	*
Ill.	14,449	61,592	969	327
Ind.	8,590	45,550	589	371
Ia.	1,811	12,773	70	10
Kans.	4,895	24,239	271	200
Ky.	10,298	19,964	552	70
La.	*	72,348	2,266	9,662
Me.	2,766	14,066	284	18
Md.	12,134	21,129	767	*
Mass.	4,250	22,574	316	124
Mich.	20,949	57,887	1,419	415
Minn.	14,706	27,661	473	223
Miss.	29,103	123,117	1,088	1,181
Mo.	0	0	0	0
Mont.	*	*	*	*
Nebr.	*	1,306	250	17
Nev.	3,728	7,657	187	8
N. H.	1,315	3,657	*	*
N. J.	21,895	62,051	1,675	678
N. M.	9,010	19,687	767	6
N. Y.	5,350	12,620	386	91
N. C.	13,235	27,723 (a)	581	271
N. D.	4,189	12,889	113	51

TABLE 1-8. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS

	Specimens	Examinations	Positives	
			Mycobacterium Tuberculosis	Mycobacterium, Atypical
Ohio	16,299	40,739	842	180
Okla.	*	*	*	*
Ore.	*	11,016	124	*
Pa.	13,978	60,070	1,237	156
R. I.	*	2,284	20	4
S. C.	*	25,123	*	693
S. D.	*	*	*	*
Tenn.	36,058	40,943	3,535	2,095
Tex.	*	92,033	1,954	844
Utah	975	1,960	16	24
Vt.	3,365	7,298	190	20
Va.	22,843	90,840	1,157	57
Wash.	*	11,553	123	22
W. Va.	13,524	27,377	540	363
Wisc.	6,845	14,867	*	*
Wyo.	195	471	7	0
P. R.	*	7,240	77	8
V. I.	*	*	*	*

(a) Includes 76 Saprophytes.

TABLE 1-8. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS
(Continued)

	Direct Smear	Concentration Smear	Culture	Subculture
Ala.	0	44,524	154,728	4,000
Alaska	0	2,612	16,541	162
Ariz.	1,622	4,294	4,294	1,249
Ark.	*	*	*	*
Cal.	0	3,180	11,508	4,025
Colo.	1,685	0	1,826	4
Conn.	0	5,868	18,615	484
Del.	559	1,096	1,096	0
D. C.	*	*	*	*
Fla.	0	28,114	104,156	3,768
Ga.	34,909	8,568	176,080	444
Hawaii	0	4,728	9,203	173
Ida.	959	0	1,058	0
Ill.	1	0	57,858	2,623
Ind.	0	8,590	34,360	1,920
Ia.	19	1,811	9,055	0
Kans.	0	3,004	19,580	504
Ky.	8,633	0	8,496	1,742
La.	21,044	21,044	24,966	0
Me.	2,766	0	10,852	69
Md.	198	9,979	10,275	0
Mass.	24	4,250	17,000	283
Mich.	0	20,050	16,902	0
Minn.	0	11,000	14,611	0
Miss.	29,103	0	87,309	1,896
Mo.	0	0	0	0
Mont.	*	*	*	*
Nebr.	422	422	417	25
Nev.	2	3,441	3,728	115
N. H.	1,345	290	1,315	0
N. J.	0	20,869	20,869	11,898
N. M.	0	8,276	9,010	7
N. Y.	0	4,766	5,161	477
N. C.	13,235	0	13,186	0
N. D.	0	4,189	8,378	60

TABLE 1-8. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS
(Continued)

	Direct Smear	Concentration Smear	Culture	Subculture
Ohio	50	15,980	15,568	8,401
Okla.	*	*	*	*
Ore.	31	4,882	5,432	0
Pa.	1,600	13,978	41,934	495
R. I.	974	974	221	40
S. C.	12,851	0	12,272	0
S. D.	*	*	*	*
Tenn.	0	9,861	26,197	0
Tex.	0	23,501	56,768	2,360
Utah	0	953	960	*
Vt.	0	3,200	3,365	330
Va.	0	21,809	67,167	692
Wash.	0	5,238	5,849	0
W. Va.	0	13,524	11,275	1,221
Wisc.	6,372	0	7,838	0
Wyo.	0	195	276	0
P. R.	0	2,558	4,235	94
V. I.	*	*	*	*

TABLE 1-8. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS
(Continued)

	Bio-chemical	Animal Inoculation	Referred Cultures	Drug Sensitivity	
				Direct	Indirect
Ala.	44,524	765	50	0	0
Alaska	162	2	8	5	0
Ariz.	935	0	373	(a)	(a)
Ark.	*	*	*	*	*
Cal.	4,121	0	(b)	0	78
Colo.	0	0	7	7	0
Conn.	1,758	1	146	0	256
Del.	0	0	0	0	0
D. C.	*	*	*	*	*
Fla.	7,952	0	434	0	546
Ga.	3,077	5	239	381	546
Hawaii	114	3	10	0	74
Ida.	0	0	0	0	0
Ill.	447	3	218	0	442
Ind.	580	5	95	0	0
Ia.	800	80	48	960	0
Kans.	471	81	95	0	504
Ky.	887	0	92	0	114
La.	4,125	178	0	0	991
Me.	193	0	17	92	77
Md.	0	224	70	*	*
Mass.	948	0	69	0	0
Mich.	0	15,892	551	(a)	(a)
Minn.	1,090	282	95	0	583
Miss.	4,538	0	(c)	0	271
Mo.	0	0	0	0	0
Mont.	*	*	*	*	*
Nebr.	20	0	0	0	0
Nev.	217	0	12	25	117
N. H.	0	467	0	0	240
N. J.	6,816	148	243	353	855
N. M.	2,100	5	19	0	270
N. Y.	1,200	622	196	173	25
N. C.	0	209	0	(a)	(a)
N. D.	131	131	0	0	0

TABLE 1-8. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS
(Continued)

	Bio-chemical	Animal Inoculation	Referred Cultures	Drug Sensitivity	
				Direct	Indirect
Ohio	271	30	269	26	144
Okla.	*	*	*	*	*
Ore.	395	5	0	0	271
Pa.	1,400	174	198	196	95
R. I.	46	24	5	0	0
S. C.	0	0	0	0	0
S. D.	*	*	*	*	*
Tenn.	4,885	0	0	0	0
Tex.	7,172	120	598	469	1,045
Utah	27	0	4	4	12
Vt.	210	43	20	0	130
Va.	674	0	89	0	409
Wash.	431	35	*	0	0
W. Va.	1,010	126	187	0	34
Wisc.	28	5	0	(a)	(a)
Wyo.	0	0	0	0	0
P. R.	332	0	0	21	0
V. I.	*	*	*	*	*

(a) These states did not show drug sensitivity examinations broken down by method and gave totals as follows: Arizona, 1,011; Michigan, 4,492; North Carolina, 1,017; Wisconsin, 624.

(b) Tests done on "Referred Cultures" are counted in appropriate test categories.

(c) Not tabulated separately; included under "Cultures".

TABLE 1-9. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS

	Specimens	Examinations	Positives
Ala.	3,065	11,352	448
Alaska	2,417	2,617	231
Ariz.	1,240	3,472	515
Ark.	*	*	*
Cal.	8,817	25,797	5,427
Colo.	3,397	29,678	665
Conn.	14,767	102,693	1,263
Del.	575	587	24
D. C.	*	*	*
Fla.	58,418	178,629	1,801
Ga.	26,162	52,396	2,051
Hawaii	8,644	18,510	1,333
Ida.	*	1,377	67
Ill.	10,634	32,225	2,742
Ind.	3,807	12,398	530
Ia.	1,627	21,269	297
Kans.	12,764	16,181	796
Ky.	708	980	666
La.	*	53,783	1,213
Me.	1,141	1,685	80
Md.	6,971	8,647	744
Mass.	9,277	41,438	2,769
Mich.	31,587	103,344	*
Minn.	6,538	8,800	1,048
Miss.	3,489	4,046	219
Mo.	1,223	1,868	257
Mont.	*	*	*
Nebr.	631	672	8
Nev.	241	287	33
N. H.	606	1,943	264
N. J.	10,631	53,451 (a)	1,335
N. M.	6,412	9,308	990
N. Y.	3,758	5,699	163
N. C.	10,110	565	336 (b)
N. D.	3,083	7,962	134

TABLE 1-9. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS

	Specimens	Examinations	Positives
Ohio	4,867	6,796	1,388
Okla.	*	*	*
Ore.	*	3,738	*
Pa.	12,095	12,191	*
R. I.	*	3,521	250
S. C.	*	18,345	48
S. D.	*	*	*
Tenn.	10,509	11,732	583
Tex.	*	17,676	1,826
Utah	1,679	1,928	428
Vt.	604	847	80
Va.	10,993	34,352	889
Wash.	*	5,105	*
W. Va.	515	609	40
Wisc.	4,248	8,465	*
Wyo.	69	90	4
P. R.	*	886	99
V. I.	*	*	*

(a) Number of Shigella Grouping examinations not available and not included in this total.

(b) Positive Shigella examinations only.

TABLE 1-9. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS
(Continued)

	Primary Cultures	Salmonella Grouping	Salmonella Typing	Referred Cultures	Bacteriophage Typing
Ala.	11,210	*	*	*	*
Alaska	2,417	40	0	40	0
Ariz.	1,240	930	558	0	0
Ark.	*	*	*	*	*
Cal.	14,036	4,449	4,449	(a)	199
Colo.	27,246	548	380	431	0
Conn.	100,569	752	752	358	4
Del.	531	27	0	17	0
D. C.	*	*	*	*	*
Fla.	175,254	1,414	1,439	*	0
Ga.	47,056	1,292	1,292	938	74
Hawaii	9,083	4,542	852	1,100	6
Ida.	975	331	(b)	0	0
Ill.	25,475	407	1,750	1,472	177
Ind.	11,175	450	450	239	17
Ia.	19,524	369	0	1,200	0
Kans.	12,764	1,055	1,055	501	0
Ky.	708	61	61	116	0
La.	50,440	1,166	1,166	0	0
Me.	1,068	480	0	73	0
Md.	5,668	0	995	1,286	0
Mass.	37,108	2,605	877	471	0
Mich.	99,310	862	1,675	813	0
Minn.	6,264	808	808	274	5
Miss.	3,489	98	98	(c)	0
Mo.	1,223	190	190	75	0
Mont.	*	*	*	*	*
Nebr.	631	20	0	0	0
Nev.	207	33	9	34	0
N. H.	1,212	475	0	0	0
N. J.	49,015	289	218	828	0
N. M.	6,144	303	0	38	54
N. Y.	1,891	0	1,090	1,727	24
N. C.	*	565	*	*	*
N. D.	7,824	41	0	0	0

TABLE 1-9. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS
(Continued)

	Primary Cultures	Salmonella Grouping	Salmonella Typing	Referred Cultures	Bacteriophage Typing
Ohio	3,927	766	766	766	0
Okla.	*	*	*	*	*
Ore.	2,161	317	317	142	0
Pa.	10,427	0	0	1,688	76
R. I.	2,914	280	250	25	0
S. C.	*	475	*	*	*
S. D.	*	*	*	*	*
Tenn.	9,625	252	252	884	32
Tex.	11,782	1,363	881	550	115
Utah.	1,679	0	0	0	0
Vt.	587	80	80	50	0
Va.	31,960	828	828	586	0
Wash.	3,450	540	540	*	*
W. Va.	515	40	40	10	0
Wisc.	505	0	3,348	0	0
Wyo.	69	3	3	0	0
P. R.	841	9	0	0	0
V. I.	*	*	*	*	*

- (a) Tests done on "Referred Cultures" are counted in appropriate test categories.
- (b) Typing not performed by these laboratories. All suspicious cultures forwarded to the Communicable Disease Center for species identification.
- (c) Not tabulated separately; included under "Primary Cultures".

TABLE 1-9. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS
(Continued)

	Shigella Grouping	Shigella Typing	Referred Cultures	Enteropathogenic <i>E. coli</i> :			
				Exams	Positives	Method Used:	
						FA	Agglutination
Ala.	*	*	*	142	16	0	142
Alaska	60	0	60	*	131	*	*
Ariz.	372	372	0	*	21	*	*
Ark.	*	*	*	*	*	*	*
Cal.	978	978	(a)	708	116	156	552
Colo.	427	380	211	55	*	0	55
Conn.	107	107	42	2	1	1	1
Del.	10	0	0	2	0	0	2
D. C.	*	*	*	*	*	*	*
Fla.	261	261	*	*	95	0	0
Ga.	760	760	178	46	23	23 (b)	23 (b)
Hawaii	2,271	0	528	128	64	0	128
Ida.	0	(c)	0	71	5	71	0
Ill.	151	741	658	1,394	169	333	1,061
Ind.	3	3	61	*	13	0	0
Ia.	50	14	112	0	0	0	0
Kans.	258	258	103	187	0	0	187
Ky.	12	12	10	0	0	0	0
La.	312	312	0	387	24	15	372
Me.	17	0	2	45	0	0	45
Md.	0	349	349	*	117	*	*
Mass.	64	1	211	101	101	0	101
Mich.	177	329	178	0	0	0	0
Minn.	236	236	15	154	142	0	154
Miss.	121	0	(d)	240	15	240	0
Mo.	72	72	40	6	1	0	6
Mont.	*	*	*	*	*	*	*
Nebr.	3	0	0	18	18	0	18
Nev.	2	0	2	*	1	*	*
N. H.	100	0	0	156	*	0	156
N. J.	*	0	28	3,073	204	2,186	887
N. M.	449	648	230	1,442	45	0	1,442
N. Y.	164	4	140	659	141	659	0
N. C.	*	*	*	*	*	*	*
N. D.	16	0	0	81	81	81	0

TABLE 1-9. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS
(Continued)

	Shigella Grouping	Shigella Typing	Referred Cultures	Exams	Enteropathogenic <i>E. coli</i> : Positives	Method Used:	
						FA	Agglutination
Ohio	174	174	174	49	49	0	49
Okla.	*	*	*	*	*	*	*
Ore.	333	333	117	18	6	12	6
Pa.	0	0	0	0	0	0	0
R. I.	8	1	25	18	*	0	18
S. C.	475	*	*	17,395	5	0	17,395
S. D.	*	*	*	*	*	*	*
Tenn.	286	286	115	*	3	*	*
Tex.	1,220	904	820	41	41	0	41
Utah	85	85	34	45	*	0	45
Vt.	10	10	10	20	*	10	10
Va.	144	0	3	3	3	0	3
Wash.	280	280	0	15	10	15	*
W. Va.	2	2	0	0	0	0	0
Wisc.	0	4,591	0	21	*	21	0
Wyo.	1	0	0	14	*	0	14
P. R.	36	0	0	*	99	*	*
V. I.	*	*	*	*	*	*	*

- (a) Tests done on "Referred Cultures" are counted in appropriate test categories.
- (b) Only record of positives is available.
- (c) Typing not performed by these Laboratories. All suspicious cultures forwarded to the Communicable Disease Center for species identification.
- (d) Not tabulated separately; included under "Primary Cultures."

TABLE 1-10. DIAGNOSTIC BACTERIOLOGY: BLOOD SPECIMENS EXAMINED

	Specimens	Examinations	Positives
Ala.	0	0	0
Alaska	3	3	1
Ariz.	17	17	0
Ark.	*	*	*
Cal.	56	56	1
Colo.	6	18	0
Conn.	70	70	13
Del.	42	42	*
D. C.	*	*	*
Fla.	143	143	33
Ga.	309	1,131	27
Hawaii	80	400	6
Ida.	*	118	*
Ill.	58	261	0
Ind.	0	0	0
Ia.	169	1,183	6
Kans.	235	235	60
Ky.	108	108	0
La.	*	329	3
Me.	6	6	2
Md.	270	270	80
Mass.	*	48	*
Mich.	*	336	36
Minn.	251	251	8
Miss.	803	803	1
Mo.	122	122	13
Mont.	*	*	*
Nebr.	7	7	0
Nev.	1	1	*
N. H.	14	14	0
N. J.	0	0	0
N. M.	903	903	9
N. Y.	17	17	1
N. C.	0	0	0
N. D.	448	1,344	*

TABLE 1-10. DIAGNOSTIC BACTERIOLOGY: BLOOD SPECIMENS EXAMINED

	Specimens	Examinations	Positives
Ohio	12	12	1
Okla.	*	*	*
Ore.	*	60	24
Pa.	4	32	0
R. I.	*	3	*
S. C.	0	0	0
S. D.	*	*	*
Tenn.	36	36	2
Tex.	*	74	*
Utah	14	14	*
Vt.	10	10	*
Va.	708	708	14
Wash.	*	3	*
W. Va.	72	72	4
Wisc.	*	460	*
Wyo.	0	0	0
P. R.	*	99	*
V. I.	*	*	*

TABLE 1-11. DIAGNOSTIC BACTERIOLOGY: SPINAL FLUID SPECIMENS EXAMINED

	Specimens	Examinations	Positives
Ala.	0	0	0
Alaska	0	0	0
Ariz.	0	0	0
Ark.	*	*	*
Cal.	*	*	*
Colo.	0	0	0
Conn.	1	1	0
Del.	5	5	*
D. C.	*	*	*
Fla.	2	2	0
Ga.	123	123	9
Hawaii	26	107	9
Ida.	*	*	*
Ill.	3	13	2
Ind.	0	0	0
Ia.	11	44	3
Kans.	20	20	10
Ky.	*	6	*
La.	0	0	0
Me.	1	1	1
Md.	60	60	*
Mass.	*	27	*
Mich.	0	0	0
Minn.	63	63	14
Miss.	0	0	0
Mo.	18	18	11
Mont.	*	*	*
Nebr.	10	10	0
Nev.	2	2	*
N. H.	0	0	0
N. J.	0	0	0
N. M.	*	*	*
N. Y.	81	81	16
N. C.	0	0	0
N. D.	147	291	5

TABLE 1-11. DIAGNOSTIC BACTERIOLOGY: SPINAL FLUID SPECIMENS EXAMINED

	Specimens	Examinations	Positives
Ohio	3	3	0
Okla.	*	*	*
Ore.	*	97	34
Pa.	0	0	0
R. I.	*	2	*
S. C.	0	0	0
S. D.	*	*	*
Tenn.	1	1	0
Tex.	*	5	*
Utah	26	26	2
Vt.	10	10	*
Va.	29	29	0
Wash.	*	*	*
W. Va.	12	12	2
Wisc.	*	298	*
Wyo.	0	0	0
P. R.	*	18	*
V. I.	*	*	*

TABLE 1-12. DIAGNOSTIC BACTERIOLOGY: WOUND EXUDATE SPECIMENS EXAMINED

	Specimens	Examinations	Positives
Ala.	0	0	0
Alaska	0	0	0
Ariz.	0	0	0
Ark.	*	*	*
Cal.	0	0	0
Colo.	0	0	0
Conn.	0	0	0
Del.	1	1	*
D. C.	*	*	*
Fla.	*	*	*
Ga.	0	0	0
Hawaii	30	72	21
Ida.	*	*	*
Ill.	15	30	26
Ind.	0	0	0
Ia.	401	1,203	386
Kans.	22	22	22
Ky.	0	0	0
La.	0	0	0
Me.	23	46	34
Md.	*	*	*
Mass.	*	30	*
Mich.	0	0	0
Minn.	(a)	(a)	(a)
Miss.	(a)	(a)	(a)
Mo.	4	4	2
Mont.	*	*	*
Nebr.	0	0	0
Nev.	0	0	0
N. H.	0	0	0
N. J.	20	20	13
N. M.	*	*	*
N. Y.	20	20	0
N. C.	0	0	0
N. D.	180	540	*

TABLE 1-12. DIAGNOSTIC BACTERIOLOGY: WOUND EXUDATE SPECIMENS EXAMINED

	Specimens	Examinations	Positives
Ohio	0	0	0
Okla.	*	*	*
Ore.	*	81	41
Pa.	0	0	0
R. I.	*	3	*
S. C.	0	0	0
S. D.	*	*	*
Tenn.	0	0	0
Tex.	0	0	0
Utah	56	56	27
Vt.	10	10	*
Va.	(a)	(a)	(a)
Wash.	*	*	*
W. Va.	0	0	0
Wisc.	0	0	0
Wyo.	0	0	0
P. R.	0	0	0
V. I.	*	*	*

(a) Reported with Miscellaneous Bacteriology and included in Table 1-14.

TABLE 1-13. DIAGNOSTIC BACTERIOLOGY: DENTAL CARIES SPECIMENS EXAMINED

	Specimens	Examinations	Positives
Ala.	0	0	0
Alaska	0	0	0
Ariz.	0	0	0
Ark.	*	*	*
Cal.	0	0	0
Colo.	318	318	200
Conn.	0	0	0
Del.	0	0	0
D. C.	*	*	*
Fla.	3,147	3,147	*
Ga.	0	0	0
Hawaii	0	0	0
Ida.	*	*	*
Ill.	318	621	341
Ind.	0	0	0
Ia.	5	15	0
Kans.	0	0	0
Ky.	0	0	0
La.	*	106	*
Me.	8	0	0
Md.	0	0	0
Mass.	0	0	0
Mich.	0	0	0
Minn.	(a)	(a)	(a)
Miss.	0	0	0
Mo.	0	0	0
Mont.	*	*	*
Nebr.	82	82	60
Nev.	0	0	0
N. H.	0	0	0
N. J.	0	0	0
N. M.	0	0	0
N. Y.	0	0	0
N. C.	0	0	0
N. D.	0	0	0

TABLE 1-13. DIAGNOSTIC BACTERIOLOGY: DENTAL CARIES SPECIMENS EXAMINED

	Specimens	Examinations	Positives
Ohio	0	0	0
Okla.	*	*	*
Ore.	0	0	0
Pa.	0	0	0
R. I.	0	0	0
S. C.	0	0	0
S. D.	*	*	*
Tenn.	1,909	1,909	1,423
Tex.	*	1,080	*
Utah	0	0	0
Vt.	0	0	0
Va.	225	225	212
Wash.	0	0	0
W. Va.	473	473	33
Wisc.	0	0	0
Wyo.	0	0	0
P. R.	0	0	0
V. I.	*	*	*

(a) Reported with Miscellaneous Bacteriology and included in Table 1-14.

TABLE 1-14. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS

	Specimens	Examinations	Positives
Ala.	*	370	124
Alaska	*	9,445	*
Ariz.	599	2,739	56
Ark.	*	*	*
Cal.	2,555 (a)	3,002	*
Colo.	434	1,168	121
Conn.	1,648	1,648	631
Del.	70	80	*
D. C.	*	*	*
Fla.	57,474	57,474	13,107
Ga.	5,539	5,539 (b)	*
Hawaii	3,163	6,611	2,783
Ida.	*	6,271	*
Ill.	803	1,229	930
Ind.	366	366	366
Ia.	218	1,689	200
Kans.	846	1,365	757
Ky.	148	127	*
La.	*	2,271	*
Me.	298	336	241
Md.	10,055	51,511	*
Mass.	718	308 (c)	*
Mich.	*	170,898	*
Minn.	1,333	1,333	*
Miss.	352	352	40
Mo.	57	243	57
Mont.	*	*	*
Nebr.	35	98	35
Nev.	*	102	*
N. H.	285	285	*
N. J.	285	573	91
N. M.	1,239	479	*
N. Y.	4,398	4,398	*
N. C.	3,699	*	2,579
N. D.	8,058	39,615	*

TABLE 1-14. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS

	Specimens	Examinations	Positives
Ohio	897	897	0
Okla.	*	*	*
Ore.	*	3,852	*
Pa.	317	1,367	208
R. I.	*	140	*
S. C.	*	3	*
S. D.	*	*	*
Tenn.	667	969	371
Tex.	*	898	*
Utah	587	768	*
Vt.	580	1,280	*
Va.	619	745	447
Wash.	*	2,958	*
W. Va.	385	960	9
Wisc.	48,479	54,418	*
Wyo.	106	174	6
P. R.	*	1,225	*
V. I.	*	*	*

- (a) Includes 1,030 meningococcal specimens from survey of State Hospital. Number positive not available.
- (b) Does not include anaerobic cultures.
- (c) Does not include number of smears and cultures, which were not counted.

TABLE 1-14. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS
(Continued)

	Smears	Cultures	Referred Cultures
Ala.	152	140	12
Alaska	0	7,703	0
Ariz.	985	983	347
Ark.	*	*	*
Cal.	0	1,211	1,347
Colo.	21	480	620
Conn.	2	64	585
Del.	13	50	3
D. C.	*	*	*
Fla.	48,714	5,634	2,677
Ga.	146	4,472	921
Hawaii	2,108	3,163	656
Ida.	345	3,389	446
Ill.	170	565	255
Ind.	0	0	323
Ia.	10	1,664	0
Kans.	3	632	181
Ky.	5	52	61
La.	99	468	310
Me.	0	203	95
Md.	293	9,380	391
Mass.	*	*	271
Mich.	0	13,397	755
Minn.	21	55	1,253
Miss.	0	352	0
Mo.	4	136	86
Mont.	*	*	*
Nebr.	47	41	0
Nev.	21	23	0
N. H.	0	0	0
N. J.	188	117	168
N. M.	*	*	*
N. Y.	1,754	1,754	576
N. C.	*	*	*
N. D.	0	32,232	46

TABLE 1-14. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS
(Continued)

	Smears	Cultures	Referred Cultures
Ohio	8	75	801
Okla.	*	*	*
Ore.	438	1,886	1,420
Pa.	0	850	216
R. I.	0	0	44
S. C.	3	0	0
S. D.	*	*	*
Tenn.	0	667	0
Tex.	0	426	0
Utah	13	340	247
Vt.	580	580	20
Va.	17	594	72
Wash.	0	2,308	*
W. Va.	285	285	100
Wisc.	10,214 (a)	(a)	0
Wyo.	0	106	0
P. R.	0	666	0
V. I.	*	*	*

(a) Smears and Cultures combined.

TABLE 1-14. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS
(Continued)

	Animal Inoculation	Anaerobic Culture	Antibiotic Sensitivity	Other
Ala.	25	31	10	0
Alaska	0	0	1,379	363 (a)
Ariz.	145	245	34	0
Ark.	*	*	*	*
Cal.	8	*	0	436 (b)
Colo.	0	31	16	0
Conn.	0	64	0	933 (c)
Del.	0	0	14	0
D. C.	*	*	*	*
Fla.	0	*	449	0
Ga.	0	*	0	0
Hawaii	4	525	155	0
Ida.	0	2,091	0	0
Ill.	0	50	0	189 (d)
Ind.	0	43	0	0
Ia.	0	15	0	0
Kans.	30	185	334	0
Ky.	4	5	0	0
La.	0	0	0	1,394 (e)
Me.	0	38	0	0
Md.	*	* (f)	41,447	0
Mass.	1	36	0	0
Mich.	0	20	156,726	0
Minn.	0	4	0	0
Miss.	0	0	0	0
Mo.	0	4	13	0
Mont.	*	*	*	*
Nebr.	0	10	0	0
Nev.	0	16	42	0
N. H.	0	0	285	0
N. J.	3	41	56	0
N. M.	*	*	479	0
N. Y.	10	77	47	180 (g)
N. C.	*	*	*	0
N. D.	0	147	7,190	0

TABLE 1-14. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS
(Continued)

	Animal Inoculation	Anaerobic Culture	Antibiotic Sensitivity	Other
Ohio	0	6	7	0
Okla.	*	*	*	*
Ore.	0	36	72	0
Pa.	0	2	81	218 (h)
R. I.	0	9	3	84 (i)
S. C.	0	0	0	0
S. D.	*	*	*	*
Tenn.	0	302	0	0
Tex.	452	0	20	0
Utah	5	107	56	0
Vt.	0	10	90	0
Va.	0	0	62	0
Wash.	*	53	597	0
W. Va.	12	50	228	0
Wisc.	0	0	976	43,228 (j)
Wyo.	0	0	68	0
P. R.	0	0	559	0
V. I.	*	*	*	*

- (a) This includes 11 Occult Blood exams (2 positives); 333 Colony Counts (8 positives); and 19 Urine Cultures (10 positives).
- (b) Serologic identification.
- (c) Includes 21 Blood Clots for Culture (Brucella), and 912 Experimental and Comparison Studies.
- (d) Includes 120 swabs from ear and 69 swabs from vagina.
- (e) Cultures for identification not reported elsewhere.
- (f) Anaerobic cultures (thioglycollate broth) are done on all specimens received for bacteriological examination with the exception of cultures from throat, nose, and feces.
- (g) Includes 90 examinations for N. meningitides and 90 sensitivities.

- (h) Includes 178 meningococcus Identifications and 40 meningococcus Sensitivity tests.
- (i) Tests of clinical thermometers for sterility.
- (j) Represents the following examinations: Latex Titre, 3,367; Phage Typing, 18,305; PPLO, 12,421; and 9,135 miscellaneous tests not broken down further.

TABLE 1-15. SANITARY BACTERIOLOGY: WATER SAMPLES

	Specimens	Examinations	Coliform MPN	Coliform Confirmed	Membrane Filter	Standard Plate Count
Ala.	*	50,389	29,989	400	0	20,000
Alaska	8,768	9,571	8,768	803	0	0
Ariz.	23,178	26,500	23,178	2,960	204	158
Ark.	*	*	*	*	*	*
Cal.	20,328	27,483 (a)	*	*	*	*
Colo.	20,312	28,982	19,462	8,121	1,260	139
Conn.	9,549	15,561 (b)	5,133	5,133	4,458	668
Del.	3,040	3,052 (c)	150	33	2,857	0
D. C.	*	*	*	*	*	*
Fla.	119,334	133,556	14,222	14,222	105,112	0
Ga.	0	0	0	0	0	0
Hawaii	8,689	19,373	8,689	1,998	26	8,660
Ida.	*	20,484	902	(d)	544	0
Ill.	*	95,137	8,200	0	73,893	13,044
Ind.	33,203	37,776 (e)	2,332	13,892	16,951	2,403
Ia.	34,822	90,966 (f)	67,988	22,662	256	0
Kans.	0 (g)	0	0	0	0	0
Ky.	19,895	64,602	32,076	450	32,076	0
La.	*	47,864	5,568	249	42,047	0
Me.	0 (g)	0	0	0	0	0
Md.	37,751 (h)	50,245 (i)	34,775	* (j)	2,963	949
Mass.	0	0	0	0	0	0
Mich.	0	0	0	0	0	0
Minn.	0 (k)	0 (l)	0	0	0	0
Miss.	17,500	23,850	17,500	5,795	(m)	0
Mo.	41,292	42,335	52	52	41,292	939
Mont.	*	*	*	*	*	*
Nebr.	630	630	70	70	480	10
Nev.	7,652	7,707	105	35	7,458	109
N. H.	0	0	0	0	0	0
N. J.	21,368 (n)	27,551 (o)	21,368	5,072	252	0
N. M.	16,557	2,313	57	2,256	0	0
N. Y.	*	34,746	17,373	(p)	0	17,373
N. C.	19,775 (q)	63,472 (r)	19,339	0	0	0
N. D.	4,879	5,729	0	0	5,500	229

TABLE 1-15. SANITARY BACTERIOLOGY: WATER SAMPLES

	Specimens	Examinations	Coliform MPN	Coliform Confirmed	Membrane Filter	Standard Plate Count
Ohio	45,114	45,487	277	44,773	64	373
Okla.	*	*	*	*	*	*
Ore.	*	11,925	2,894	8,929	102	0
Pa.	52,839	34,217	15,612	13,605	5,000	0
R. I.	(k)	0	0	0	0	0
S. C.	*	8,410	3,320	85	5,005	0
S. D.	*	*	*	*	*	*
Tenn.	18,111	18,111	0	0	18,111	0
Tex.	35,363	169,273 (s)	148,592	20,435	0	0
Utah	21,247	25,188	21,124	*	123	3,941
Vt.	9,400	9,400	0	0	9,400	0
Va.	39,845 (t)	8,497 (u)	559	6,031	0	0
Wash.	*	10,381 (v)	8,984	0	0	0
W. Va.	16,551	22,245 (w)	13,995	(p)	4,642	0
Wisc.	28,396	28,972 (x)	57	0	4,825	1
Wyo.	7,074	7,792	7,074	718	0	0
P. R.	*	5,036	5,036	0	0	0
V. I.	*	*	*	*	*	*

- (a) Examinations not broken down by type. Includes plankton examinations as well as the others listed in the table.
- (b) Includes one examination for algae and 168 Escherichia coli M. P. N. examinations. Connecticut also performed eight membrane filter tests and 141 coliform M. P. N. tests on 149 specimens of sewage, which are not included in the figures in this table.
- (c) Includes 10 Differential tests and two Distilled Water suitability tests.
- (d) Record not kept, but of 19,038 standard coliform examinations, 3,146 were recorded as being positive.
- (e) Includes 2,141 fecal strep examinations and 57 fecal coliform examinations not shown in further breakdown.
- (f) Includes 60 examinations of baby formulae water.
- (g) Handled by the Sanitary Engineering Laboratory.

- (h) Water includes drinking water, shellfish waters, river waters, and swimming waters.
- (i) Includes 11,558 E. coli examinations.
- (j) All positive presumptive lauryl sulfate tubes are subjected to the confirmed test.
- (k) Not done by these laboratories.
- (l) Includes 555 fecal coliform M. P. N. examinations not shown in further breakdown.
- (m) Not tabulated.
- (n) Of this total, the Branch Laboratories had 9,991 specimens of potable and shellfish-growing waters, and the Central Laboratory had 11,377 specimens of potable, streams, effluents, and waste waters.
- (o) Includes 859 coliform completed examinations (on potable water).
- (p) All samples yielding positive presumptive tests are confirmed.
- (q) In addition, the following examinations were made on sea water: 1,988 specimens; 1,988 coliform tests; five Plate counts; 46 E. coli confirmed.
- (r) Includes 102 microbiology tests and 44,026 physical tests not shown in further breakdown.
- (s) Includes 246 other tests not broken down further.
- (t) Includes 14,092 specimens from the Branch Laboratories for which no other data was available and which are not included in further breakdown in this table.
- (u) Includes 1,907 coliform completed examinations.
- (v) Includes 1,342 nitrate screening tests and 55 miscellaneous special tests.
- (w) Includes 3,608 completed, elevated temperature O. T. tests for Cl₂.
- (x) Includes tests for water contamination as follows: municipal waters, 6,046; private waters, 17,344; swimming pools, 456; beach waters, 243.

TABLE 1-16. SANITARY BACTERIOLOGY: MILK AND CREAM SAMPLES

	Specimens	Exams.	Standard Plate Count	Coliform Count	Bacterial Inhibitors	Direct Microscopic Count
Ala.	*	78,998	45,777	14,000	19,221	0
Alaska	1,003	1,793	1,003	790	0	0
Ariz.	3,010	6,713 (a)	2,883	2,439	168	0
Ark.	*	*	*	*	*	*
Cal.	1,447	1,430	1,430	0	0	0
Colo.	4,484	8,498	4,043	2,023	2,432	0
Conn.	19,261	46,224 (b)	19,393	4,381	7,433	7,629
Del.	3,040	3,040	1,539	1,063	438	0
D. C.	*	*	*	*	*	*
Fla.	25,607 (c)	52,494 (c)	25,607 (c)	19,205 (c)	6,402 (c)	1,280 (c)
Ga.	21,696	48,347	18,189	13,065	17,093	0
Hawaii	2,483	5,437 (d)	2,483	872	1,580	0
Ida.	*	17,796	6,773	6,702	4,321	0
Ill.	*	37,135	12,729	12,380	4,764	7,262
Ind.	5,905	13,060 (e)	5,709	5,428	1,848	0
Ia.	6,429	75,242 (f)	25,384	8,488	23,352	6,006
Kans.	23,352	32,381 (g)	9,284	10,482	0	0
Ky.	20,303	40,350	24,549	15,373	428	0
La.	*	116,103 (h)	13,602	15,417	22,152	0
Me.	0 (i)	0	0	0	0	0
Md.	9,875	23,269 (j)	9,674	4,899	8,670	0
Mass.	0	0	0	0	0	0
Mich.	0	0	0	0	0	0
Minn.	0 (k)	0	0	0	0	0
Miss.	79,421	128,252	79,421	20,053	28,778	0
Mo.	1,974	7,033	1,974	1,974	3,059	26
Mont.	*	*	*	*	*	*
Nebr.	*	10,146	3,382	3,382	3,382	0
Nev.	2,018	4,169	2,018	1,377	774	0
N. H.	0	0	0	0	0	0
N. J.	1,956	4,253	1,956	1,956	341	0
N. M.	7,244	17,416 (l)	6,836	4,944	5,257	14
N. Y.	*	10,313	4,889	4,382	535	507
N. C.	0	0	0	0	0	0
N. D.	8,457	23,007	17,114	5,173	720	0

TABLE 1-16. SANITARY BACTERIOLOGY: MILK AND CREAM SAMPLES

	Specimens	Exams.	Standard Plate Count	Coliform Count	Bacterial Inhibitors	Direct Microscopic Count
Ohio	363	1,042	362	342	338	0
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	0 (k)	0	0	0	0	0
S. C.	*	7,694	3,875	2,105	1,714	0
S. D.	*	*	*	*	*	*
Tenn.	37,951	54,210	37,951	13,353	2,906	0
Tex.	7,380 (m)	188,406 (m)	91,203 (m)	19,379 (m)	77,824 (m)	0 (m)
Utah	0	0	0	0	0	0
Vt.	0 (n)	0	0	0	0	0
Va.	7,334	20,009	7,320	7,322	5,367	0
Wash.	*	494	223	183	88	0
W. Va.	6,137	9,424 (o)	1,921	1,545	249	4,165
Wisc.	0	0	0	0	0	0
Wyo.	0	0	0	0	0	0
P. R.	*	3,850	1,848	190	1,812	0
V. I.	*	*	*	*	*	*

- (a) Includes 1,223 examinations by direct physical count.
- (b) Includes 146 Q Fever CAT and 7,242 Brucella ring tests.
- (c) Includes frozen desserts and other dairy products.
- (d) Includes 502 Isolation and phage type Staphylococcus examinations.
- (e) Includes 75 coliform confirmations not shown in further breakdown.
- (f) Includes 12,012 Thermodurics.
- (g) Includes 12,615 plate loop counts.
- (h) Examinations for milk and milk products. Includes 33,154 oval tube tests; 12,229 mastitis tests, 9,461 butterfat tests, and 10,088 phosphatase tests not shown in further breakdown.

- (i) Handled by the Sanitary Engineering Laboratory.
- (j) Includes 26 yeast and mold plate counts.
- (k) Not done by these laboratories.
- (l) Includes 365 Brucella ring tests.
- (m) Includes frozen desserts.
- (n) Performed at the State Agriculture Department Laboratory.
- (o) Includes 1,544 phosphatase tests.

TABLE 1-17. SANITARY BACTERIOLOGY: FROZEN DESSERTS

	Specimens	Examinations	Plate Counts	Coliform Counts	Bacterial Inhibitors
Ala.	*	9,454	4,727	4,727	0
Alaska	142	283	142	141	0
Ariz.	0	0	0	0	0
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	212	424	212	212	0
Conn.	964	2,196	1,098	1,098	0
Del.	0	0	0	0	0
D. C.	*	*	*	*	*
Fla.	(a)	(a)	(a)	(a)	(a)
Ga.	0	0	0	0	0
Hawaii	1,085	1,987	1,085	902	0
Ida.	(b)	0	0	0	0
Ill.	0	0	0	0	0
Ind.	1,473	3,280 (c)	1,432	1,427	0
Ia.	258	2,580	2,064	516	0
Kans.	1,787	3,572	1,786	1,786	0
Ky.	0	0	0	0	0
La.	*	(a)	(a)	(a)	(a)
Me.	0 (d)	0	0	0	0
Md.	1,624	3,254	1,641	1,601	12
Mass.	0	0	0	0	0
Mich.	0	0	0	0	0
Minn.	0 (d)	0	0	0	0
Miss.	0	0	0	0	0
Mo.	123	246	123	123	0
Mont.	*	*	*	*	*
Nebr.	0	0	0	0	0
Nev.	324	516	192	324	0
N. H.	0	0	0	0	0
N. J.	1	2	1	1	0
N. M.	*	*	*	*	*
N. Y.	0	0	0	0	0
N. C.	0	0	0	0	0
N. D.	1,969	5,907	3,938	1,969	0

TABLE 1-17. SANITARY BACTERIOLOGY: FROZEN DESSERTS

	Specimens	Examinations	Plate Counts	Coliform Counts	Bacterial Inhibitors
Ohio	0	0	0	0	0
Okla.	*	*	*	*	*
Ore.	0	0	0	0	0
Pa.	0	0	0	0	0
R. I.	0 (d)	0	0	0	0
S. C.	*	180	87	93	0
S. D.	*	*	*	*	*
Tenn.	792	792	792	0	0
Tex.	(a)	(a)	(a)	(a)	(a)
Utah	0	0	0	0	0
Vt.	0	0	0	0	0
Va.	4,195	12,403	4,195	4,189	4,019
Wash.	0	0	0	0	0
W. Va.	0	0	0	0	0
Wisc.	0	0	0	0	0
Wyo.	0	0	0	0	0
P. R.	*	794	397	397	0
V. I.	*	*	*	*	*

(a) Included with milk and cream, Table 1-16.

(b) Frozen desserts handled by the Department of Agriculture in Idaho.

(c) Includes 421 coliform confirmations not shown in further breakdown.

(d) Not done by these Laboratories.

TABLE 1-18. SANITARY BACTERIOLOGY: "OTHER" DAIRY PRODUCTS

	Specimens	Examinations	Standard Plate Count	Coliform Count
Ala.	*	332	*	*
Alaska	229	453	229	224
Ariz.	0	0	0	0
Ark.	*	*	*	*
Cal.	0	0	0	0
Colo.	1,842	1,842 (a)	0	0
Conn.	1,040	1,836	912	924
Del.	0	0	0	0
D. C.	*	*	*	*
Fla.	(b)	(b)	(b)	(b)
Ga.	0	0	0	0
Hawaii	0	0	0	0
Ida.	0	0	0	0
Ill.	0	0	0	0
Ind.	466	594 (c)	235	177
Ia.	354 (d)	2,124	1,416	708
Kans.	701	796	305	491
Ky.	0	0	0	0
La.	*	(b)	(b)	(b)
Me.	0 (e)	0	0	0
Md.	140	277 (f)	0	139
Mass.	0	0	0	0
Mich.	0	0	0	0
Minn.	0 (e)	0	0	0
Miss.	0	0	0	0
Mo.	0	0	0	0
Mont.	*	*	*	*
Nebr.	0	0	0	0
Nev.	0	0	0	0
N. H.	0	0	0	0
N. J.	42	84 (g)	0	0
N. M.	0	0	0	0
N. Y.	0	0	0	0
N. C.	0	0	0	0
N. D.	0	0	0	0

TABLE 1-18. SANITARY BACTERIOLOGY: "OTHER" DAIRY PRODUCTS

	Specimens	Examinations	Standard Plate Count	Coliform Count
Ohio	0	0	0	0
Okla.	*	*	*	*
Ore.	0	0	0	0
Pa.	0	0	0	0
R. I.	0 (e)	0	0	0
S. C.	0	0	0	0
S. D.	*	*	*	*
Tenn.	140 (h)	140	0	0
Tex.	0	0	0	0
Utah	0	0	0	0
Vt.	0	0	0	0
Va.	0	0	0	0
Wash.	0	0	0	0
W. Va.	0	0	0	0
Wisc.	0	0	0	0
Wyo.	0	0	0	0
P. R.	0	0	0	0
V. I.	*	*	*	*

(a) MQ tests - 141. Ring tests - 1,701.

(b) Included with milk and cream, Table 1-16.

(c) Includes 182 yeast and mold counts not shown in further breakdown.

(d) Baby formula.

(e) Not done by these laboratories.

(f) Includes 138 yeast and mold counts not shown in further breakdown.

(g) This includes 38 examinations of frozen eggs; 32 examinations of baby formula; 10 of beverages, and 4 of filling and mix.

(h) Cottage cheese.

TABLE 1-19. SANITARY BACTERIOLOGY: FOOD SAMPLES

	Specimens	Examinations	Standard Plate Count	Coliform Count
Ala.	*	240	48	0
Alaska	107	219	107	107
Ariz.	55	348	174	154
Ark.	*	*	*	*
Cal.	112 (a)	159	19	0
Colo.	160	1,516	311	280
Conn.	324	749 (b)	0	0
Del.	56	56	0	0
D. C.	*	*	*	*
Fla.	2,099	8,121	2,099	2,099
Ga.	1,782	8,588 (c)	(d)	(d)
Hawaii	252	649 (e)	22	22
Ida.	*	444 (f)	146	141
Ill.	84	288	0	0
Ind.	2,000	2,180	96	66
Ia.	69	691 (g)	24	12
Kans.	130	377 (h)	88	74
Ky.	1,334	1,334	450	310
La.	*	2,988	651	651
Me.	36	144	0	0
Md.	341	1,696	271	271
Mass.	(i)	185	0	0
Mich.	0	0	0	0
Minn.	0 (j)	0	0	0
Miss.	12	24	0	0
Mo.	*	203	82	82
Mont.	*	*	*	*
Nebr.	*	54	17	11
Nev.	77	164	7	77
N. H.	0	0	0	0
N. J.	393	616	30	34
N. M.	246	1,234	246	246
N. Y.	0	0	0	0
N. C.	0	0	0	0
N. D.	4,879	*	*	*

TABLE 1-19. SANITARY BACTERIOLOGY: FOOD SAMPLES

	Specimens	Examinations	Standard Plate Count	Coliform Count
Ohio	127	314 (k)	77	75
Okla.	*	*	*	*
Ore.	*	292	73	0
Pa.	0	0	0	0
R. I.	*	1,210	46	0
S. C.	*	1,162	308	281
S. D.	*	*	*	*
Tenn.	0	0	0	0
Tex.	*	412	102	102
Utah	1,191	1,294	0	0
Vt.	*	90	10	10
Va.	72	140	0	0
Wash.	*	529	0	0
W. Va.	24	144	24	24
Wisc.	330	330	0	0
Wyo.	3	0	0	3
P. R.	*	3,672	612	612
V. I.	*	*	*	*

- (a) Includes only specimens for microbiological examinations. Does not include specimens for filth examinations.
- (b) Includes 26 examinations for yeast and mold; four examinations of specimens for sterility; and 89 Salmonella surveillance examinations. In addition, Connecticut performed 28 identification of species examinations on seven specimens of meat serology, which are not recorded elsewhere in this table.
- (c) Includes investigation of 1,694 specimens of wrapped sandwiches, involving 8,377 examinations broken down as follows: Salmonella survival, 2,950; Staphylococcus survival, 2,950; and coliform organisms survival, 1,477.
- (d) There were 211 examinations excluding the sandwich examinations, which were not broken down further by type.
- (e) Includes 14 organoleptic tests.

- (f) Includes nine tests for *Bacillus cereus*.
- (g) Includes 430 examinations of 43 specimens of Plastic Ice Kools.
- (h) Includes 53 tests for yeast and mold; and 54 other tests not broken down further by type.
- (i) Total of 46 specimens accounted for under Miscellaneous Bacteriology.
- (j) Except in cases of food poisoning, foods are examined by the Department of Agriculture. Department of Health count included with Miscellaneous Bacteriology, Table 1-14.
- (k) Includes eight tests of animal feedings not shown in further breakdown.

TABLE 1-19. SANITARY BACTERIOLOGY: FOOD SAMPLES
(Continued)

	Staphylococcal Culture	Enteric Culture	Enterococcus Culture	Anaerobic Culture	Animal Inoculation	Filth
Ala.	48	48	48	48	0	0
Alaska	3	0	0	2	0	0
Ariz.	10	0	0	5	5	0
Ark.	*	*	*	*	*	*
Cal.	19	51	19	24	27	*
Colo.	236	605	21	16	0	47
Conn.	210	210	0	210	0	0
Del.	17	22	17	0	0	0
D. C.	*	*	*	*	*	*
Fla.	2,099	1,406	210	105	52	51
Ga.	(a)	(a)	(a)	(a)	0	0
Hawaii	250	250	32	41	0	18
Ida.	131	0	0	0	0	17
Ill.	84	68	49	84	3	0
Ind.	63	326	0	51	7	1,571
Ia.	50	64	32	75	2	2
Kans.	54	54	0	0	0	0
Ky.	146	124	103	45	50	106
La.	62	62	62	62	0	1,438
Me.	36	36	36	36	0	0
Md.	271	582	0	271	30	0
Mass.	46	46	46	46	1	0
Mich.	0	0	0	0	0	0
Minn.	0	0	0	0	0	0
Miss.	12	12	0	0	0	0
Mo.	13	13	13	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	2	6	3	12	3	0
Nev.	13	7	46	7	0	7
N. H.	0	0	0	0	0	0
N. J.	123	228	16	112	3	70
N. M.	246	246	0	246	4	0
N. Y.	0	0	0	0	0	0
N. C.	0	0	0	0	0	0
N. D.	*	*	*	*	*	*

TABLE 1-19. SANITARY BACTERIOLOGY: FOOD SAMPLES
(Continued)

	Staphylococcal Culture	Enteric Culture	Enterococcus Culture	Anaerobic Culture	Animal Inoculation	Filth
Ohio	79	29	5	32	9	0
Okla.	*	*	*	*	*	*
Ore.	73	73	0	73	0	0
Pa.	0	0	0	0	0	0
R. I.	358	358	358	78	12	0
S. C.	310	0	227	36	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0
Tex.	102	102	1	0	3	0
Utah	89	1,102	89	14	0	0
Vt.	10	10	10	10	10	20
Va.	47	36	28	28	1	0
Wash.	2	525	0	0	2	0
W. Va.	24	24	24	24	0	0
Wisc.	0	330	0	0	0	0
Wyo.	3	3	0	0	0	0
P. R.	612	612	612	612	0	0
V. I.	*	*	*	*	*	*

(a) There were 211 total examinations, not broken down further by type.

TABLE 1-20. SANITARY BACTERIOLOGY: SEA FOOD SAMPLES

	Specimens	Examinations	Standard Plate Count	Coliform MPN	Coliform Count	Fecal Coliform MPN
Ala.	*	12,650	550	5,500	1,100	5,500
Alaska	232	232	122	0	110	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	0	0	0	0	0	0
Conn.	16	42	14	14	0	14
Del.	123	123	41	41	0	41
D. C.	*	*	*	*	*	131
Fla.	183 (a)	445 (b)	131	131	0	
Ga.	0	0	0	0	0	0
Hawaii	7	15 (c)	4	0	4	4
Ida.	0	0	0	0	0	0
Ill.	0	0	0	0	0	0
Ind.	78	144	72	0	0	72
Ia.	0	0	0	0	0	0
Kans.	0	0	0	0	0	0
Ky.	192	192	48	48	48	48
La.	*	3,608 (d)	899	899	899	899
Me.	0	0	0	0	0	0
Md.	2,050	5,114	1,954	1,123	0	2,037
Mass.	0	0	0	0	0	0
Mich.	0	0	0	0	0	0
Minn.	0 (e)	0	0	0	0	0
Miss.	404	1,191	387	402	0	402
Mo.	0	0	0	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	805	2,225	805	805	0	615
N. M.	0	0	0	0	0	0
N. Y.	0	0	0	0	0	0
N. C.	80	520 (f)	78	45	0	0
N. D.	0	0	0	0	0	0

TABLE 1-20. SANITARY BACTERIOLOGY: SEA FOOD SAMPLES

	Specimens	Examinations	Standard Plate Count	Coliform MPN	Coliform Count	Fecal Coliform MPN
Ohio	0	0	0	0	0	0
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	*	294	0	294	0	0
S. C.	*	352	352	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0
Tex.	*	84 (g)	21	21	0	21
Utah	0	0	0	0	0	0
Vt.	0	0	0	0	0	0
Va.	0	0	0	0	0	0
Wash.	*	370 (h)	94	94	0	94
W. Va.	0	0	0	0	0	0
Wisc.	0	0	0	0	0	0
Wyo.	0	0	0	0	0	0
P. R.	0	0	0	0	0	0
V. I.	*	*	*	*	*	*

- (a) Examinations of shellfish in marine laboratory (Bureau of Sanitary Engineering) not included.
- (b) Includes 52 examinations of shellfish for chemical toxin not shown in further breakdown.
- (c) Includes three Enteric culture examinations.
- (d) Includes 12 examinations for Ciguatera Poisoning.
- (e) Not done by these laboratories.
- (f) Includes the following tests not shown in further breakdown: E. C. confirmed, 77; Ph test, 61; organoleptic, 203; EMB Plate, 6; Citrate Tubes, 18; Nessler's, 32.
- (g) Includes 21 pH tests not shown in further breakdown.
- (h) Includes 88 shellfish paralytic poison bioassays not shown in further breakdown.

TABLE 1-21. SANITARY BACTERIOLOGY: UTENSIL BACTERIAL COUNTS

	Specimens	Examinations
Ala.	0	0
Alaska	0	0
Ariz.	206	389
Ark.	*	*
Cal.	0	0
Colo.	139	139
Conn.	755	772 (a)
Del.	0	0
D. C.	*	*
Fla.	1,546	1,546
Ga.	0	0
Hawaii	1,159	1,559 (b)
Ida.	*	5,365 (c)
Ill.	0	0
Ind.	0	0
Ia.	1,794	1,794
Kans.	0	0
Ky.	0	0
La.	*	829
Me.	712	712
Md.	90	96 (d)
Mass.	0	0
Mich.	0	0
Minn.	0 (e)	0
Miss.	0	0
Mo.	0	0
Mont.	*	*
Nebr.	0	0
Nev.	0	0
N. H.	0	0
N. J.	0	0
N. M.	615	*
N. Y.	0	0
N. C.	0	0
N. D.	3,264	3,264

TABLE 1-21. SANITARY BACTERIOLOGY: UTENSIL BACTERIAL COUNTS

	Specimens	Examinations
Ohio	0	0
Okla.	*	*
Ore.	0	0
Pa.	0	0
R. I.	0	0
S. C.	*	491
S. D.	*	*
Tenn.	0	0
Tex.	*	120 (f)
Utah	213	213
Vt.	0	0
Va.	0	0
Wash.	0	0
W. Va.	0	0
Wisc.	0	0
Wyo.	0	0
P. R.	*	3,791
V. I.	*	*

- (a) 484 swab plate counts and 288 sterility tests on dairy utensils.
- (b) 1,158 standard plate counts; 329 coliform; and 72 blood agar culture examinations.
- (c) 2,683 plate counts; 2,618 coliform counts; and 64 Staphylococcus counts.
- (d) 34 standard plate counts; 56 sterility testing of bottles and cartons (SPC), and 6 coliform plate counts.
- (e) Not done by these laboratories.
- (f) Standard plate counts.

TABLE 1-22. MYCOLOGY: DERMATOPHYTES

	Specimens	Examinations	Total Positives	Microscopic Exams.	Cultures
Ala.	0	0	0	0	0
Alaska	53	53	15	3	50
Ariz.	0	0	0	0	0
Ark.	*	*	*	*	*
Cal.	1,147 (a)	2,326 (b)	569 (a)	1,127 (a)	1,014 (a)
Colo.	18	36	11	18	18
Conn.	418	418	96	0	418
Del.	0	0	0	0	0
D. C.	*	*	*	*	*
Fla.	3,398 (a)	6,796 (a)	1,248 (a)	3,398 (a)	3,398 (a)
Ga.	528	525	236	0	525
Hawaii	988	2,469	142	796	1,673
Ida.	*	544 (c)	*	*	445 (c)
Ill.	339	339	167	0	339
Ind.	797	1,594	270	797	797
Ia.	0	0	0	0	0
Kans.	80	160	48	80	80
Ky.	58	116	21	58	58
La.	*	112	56	56	56
Me.	11	22	2	11	11
Md.	0	0	0	0	0
Mass.	303 (a)	*	12	*	*
Mich.	15,636 (a)	*	3,458 (a)	*	*
Minn.	1,777 (a)	*	21	*	*
Miss.	942 (a)	*	258 (a)	*	*
Mo.	36	68	2	34	34
Mont.	*	*	*	*	*
Nebr.	7	14	0	7	7
Nev.	0	0	0	0	0
N. H.	52	104	4	52	52
N. J.	23	46	*	23	23
N. M.	18	28	3	10	18
N. Y.	1,578	3,156	279	1,578	1,578
N. C.	227	*	21	*	*
N. D.	135	518	8	113	405

TABLE 1-22. MYCOLOGY: DERMATOPHYTES

	Specimens	Examinations	Total Positives	Microscopic Exams.	Cultures
Ohio	42	73	3	31	42
Okla.	*	*	*	*	*
Ore.	*	56	28	28	28
Pa.	38	22	7	11	11
R. I.	*	6	*	0	6
S. C.	*	320	*	159	161
S. D.	*	*	*	*	*
Tenn.	518	*	164	*	*
Tex.	*	4,688	563	2,344	2,344
Utah	45	82	13	37	45
Vt.	20	50	6	20	30
Va.	33	66	5	33	33
Wash.	224 (a)	*	34	*	*
W. Va.	0	0	0	0	0
Wisc.	0 (d)	0	0	0	0
Wyo.	0	0	0	0	0
P. R.	*	76	6	38	38
V. I.	*	*	*	*	*

(a) Includes Systemic Fungi.

(b) Includes examinations of Systemic Fungi, and includes 185 animal inoculations not shown in further breakdown.

(c) Includes all mycology examinations, 99 of which were smears.

(d) 3,093 specimens and 2,229 examinations reported as miscellaneous-mycology.

TABLE 1-23. MYCOLOGY: SYSTEMIC FUNGI

	Specimens	Examinations	Positives	Microscopic Examinations	Cultures	Referred Cultures
Ala.	0	0	0	0	0	0
Alaska	*	15	*	0	4	11
Ariz.	666	5,645	71	1,095	4,393 (a)	0
Ark.	*	*	*	*	*	*
Cal.	(b)	(b)	(b)	(b)	(b)	(b)
Colo.	190	581	*	190	391	0
Conn.	285	15,454	133	15,127 (c)	285	42
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	(b)	(b)	(b)	(b)	(b)	0
Ga.	235	238	81	0	207	31
Hawaii	302	1,473	152	119	553	801
Ida.	*	*	*	*	*	*
Ill.	521	660	154	239	239	182
Ind.	173	663	555	173	173	317
Ia.	903	5,487	441	1,806	3,612	0
Kans.	50	131	32	50	50	31
Ky.	190	717	37	130	190	397
La.	*	352	177	176	176	0
Me.	316	672	102	316	316	38
Md.	0	0	0	0	0	0
Mass.	(b)	*	135	*	*	*
Mich.	(b)	*	(b)	*	*	*
Minn.	(b)	*	459	*	*	*
Miss.	(b)	*	(b)	*	*	*
Mo.	15	26	2	13	13	0
Mont.	*	*	*	*	*	*
Nebr.	20	40	1	20	20	0
Nev.	50	198	*	50	37	0
N. H.	0	0	0	0	0	0
N. J.	72	156	11	104	52	0
N. M.	155	269	76	20	155	94
N. Y.	236	890	294	236	236	418 (d)
N. C.	*	*	50	*	*	*
N. D.	230	920	16	230	690	0

TABLE 1-23. MYCOLOGY: SYSTEMIC FUNGI

	Specimens	Examinations	Positives	Microscopic Examinations	Cultures	Referred Cultures
Ohio	278	278	7	0	50	228
Okla.	*	*	*	*	*	*
Ore.	*	75	*	21	21	33
Pa.	*	29	*	0	6	23
R. I.	*	2,578	*	2,570 (e)	6	2
S. C.	*	*	*	*	*	*
S. D.	*	*	*	*	*	*
Tenn.	*	*	19	*	*	*
Tex.	*	1,568	235	598	598	342
Utah	67	134	13	67	67	0
Vt.	10	30	10	10	10	10
Va.	481	532	223	45	481	6
Wash.	(b)	*	53	*	*	*
W. Va.	146	292	38	146	146	0
Wisc.	4,443	13,250	*	0	0	8,046
Wyo.	2	4	0	2	2	0
P. R.	*	220	37	110	110	0
V. I.	*	*	*	*	*	*

(a) Includes 157 animal inoculations (32 positives).

(b) Included with Dermatophytes, Table 1-22.

(c) Genital smears primarily for gonorrhea.

(d) Includes Dermatophytes and Systemic Fungi.

(e) From urogenital smears (candida found in 210).

TABLE 1-24. MYCOLOGY: FA EXAMINATIONS FOR SYSTEMIC FUNGI

	Blastomyces dermatitidis		Coccidioides immitis		Histoplasma capsulatum		Sporotrichum schenckii	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	0	0	0	0	0	0	0	0
Conn.	0	0	0	0	0	0	0	0
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	0	0	0	0	0	0	0	0
Ga.	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0
Ida.	0	0	0	0	0	0	0	0
Ill.	0	0	0	0	0	0	0	0
Ind.	0	0	0	0	0	0	0	0
Ia.	0	0	0	0	57	1	12	3
Kans.	0	0	0	0	0	0	0	0
Ky.	0	0	0	0	0	0	0	0
La.	0	0	0	0	0	0	0	0
Me.	0	0	0	1	0	0	2	0
Md.	0	0	0	0	0	0	0	0
Mass.	*	1	0	0	0	0	0	0
Mich.	0	0	0	0	0	0	0	0
Minn.	0	0	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0	0
Mo.	0	0	0	0	0	0	0	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0	0
Nev.	37	*	37	*	37	*	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	0	0	0	0	0	0	0	0
N. M.	0	0	0	0	0	0	0	0
N. Y.	0	0	0	0	0	0	0	0
N. C.	0	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0	0

TABLE 1-24. MYCOLOGY: FA EXAMINATIONS FOR SYSTEMIC FUNGI

	Blastomyces dermatitidis		Coccidioides immitis		Histoplasma capsulatum		Sporotrichum schenckii	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	0	0	0	0	0	0	0	0
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0	0
Tex.	2	2	24	24	2	2	2	2
Utah	0	0	0	0	0	0	0	0
Vt.	0	0	0	0	0	0	0	0
Va.	0	0	0	0	0	0	0	0
Wash.	0	0	0	0	0	0	0	0
W. Va.	0	0	0	0	0	0	0	0
Wisc.	680	*	705	*	3,819	*	0	0
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

TABLE 1-25. PARASITOLOGY: INTESTINAL PARASITES

	Specimens	Examinations	Positives
Ala.	*	18,373	1,428
Alaska	474	639	27
Ariz.	285	857	21
Ark.	*	*	*
Cal.	1,245	3,450	*
Colo.	161	322	3
Conn.	13,240	16,728	2,859
Del.	539	539	25
D. C.	*	*	*
Fla.	118,289	119,492	19,019
Ga.	82,302	81,935	11,520
Hawaii	3,255	6,523	293
Ida.	*	490	*
Ill.	3,779	6,779	837
Ind.	2,313	3,744	1,015
Ia.	241	432	25
Kans.	6,497	6,501	1,242
Ky.	4,047	3,963	1,524
La.	*	94,215	13,411
Me.	76	181	0
Md.	9,954	12,339	2,931
Mass.	20	20	6
Mich.	2,033	*	*
Minn.	2,370	4,406	149
Miss.	12,082	12,082	3,396
Mo.	125	309	22
Mont.	*	*	*
Nebr.	153	311	21
Nev.	154	98	16
N. H.	153	314	12
N. J.	964	968	79
N. M.	298	596	4
N. Y.	245	280	29
N. C.	19,088	19,158	1,965
N. D.	761	1,611	34

TABLE 1-25. PARASITOLOGY: INTESTINAL PARASITES

	Specimens	Examinations	Positives
Ohio	747	1,335	129
Okla.	*	*	*
Ore.	*	898	56
Pa.	372	689	121
R. I.	*	430	*
S. C.	*	7,875	1,432
S. D.	*	*	*
Tenn.	5,951	5,946	434
Tex.	*	7,097	1,820
Utah	1,757	3,522	*
Vt.	190	201	13
Va.	23,441	22,761	2,474
Wash.	1,218	*	213
W. Va.	605	1,238	93
Wisc.	1,705	1,410	*
Wyo.	42	42	2
P. R.	*	31,591	28,084
V. I.	*	*	*

TABLE 1-25. PARASITOLOGY: INTESTINAL PARASITES
(Continued)

	Examinations				
	Direct Wet Mount	Concentration Wet Mount	Stained Smear	Pinworm Slide	Culture amebae
Ala.	0	18,373	0	*	0
Alaska	165	409	0	65	0
Ariz.	285	286	286	0	0
Ark.	*	*	*	*	*
Cal.	0	2,271	1,174	5	0
Colo.	0	161	161	0	0
Conn.	0	4,391	3,488	8,849	0
Del.	71	71	0	397	0
D. C.	*	*	*	*	*
Fla.	1,183	106,460	20	11,829	0
Ga.	0	60,905	0	21,030	0
Hawaii	3,255	3,207	13	48	0
Ida.	252	212	0	26	0
Ill.	3,462	1,735	603	317	662 (a)
Ind.	13	1,479	1,438	814	0
Ia.	219	190	4	19	0
Kans.	4	6,114	0	383	0
Ky.	0	3,842	97	24	0
La.	46,941	46,941	0	333	0
Me.	76	76	28	1	0
Md.	2,759	2,763	0	6,817	0
Mass.	0	10	0	10	0
Mich.	*	*	*	*	*
Minn.	2,036	2,036	0	334	0
Miss.	0	12,082	0	*	0
Mo.	103	103	103	0	0
Mont.	*	*	*	*	*
Nebr.	120	120	38	33	0
Nev.	46	46	2	4	0
N. H.	153	153	0	8	0
N. J.	0	705	87	176	0
N. M.	298	298	0	*	0
N. Y.	128	128	0	24	0
N. C.	19,158	0	0	0	0
N. D.	761	761	0	89	0

TABLE 1-25. PARASITOLOGY: INTESTINAL PARASITES
(Continued)

	Examinations				
	Direct Wet Mount	Concentration Wet Mount	Stained Smear	Pinworm Slide	Culture amebae
Ohio	589	589	30	127	0
Okla.	*	*	*	*	*
Ore.	449	449	0	0	0
Pa.	132	278	212	67	0
R. I.	215	215	0	0	0
S. C.	0	7,640	0	235	0
S. D.	*	*	*	*	*
Tenn.	0	5,760	0	186	0
Tex.	91	6,670	25	290	21 (b)
Utah	1,753	1,753	12	4	0
Vt.	0	190	10	1	0
Va.	0	12,418	16	10,327	0
Wash.	*	*	*	*	*
W. Va.	605	605	12	16	0
Wisc.	250	0	0	633	527
Wyo.	0	42	0	0	0
P. R.	0	31,591	0	0	0
V. I.	*	*	*	*	*

(a) Reported 39 positives.

(b) Reported 4 positives.

TABLE 1-25. PARASITOLOGY: INTESTINAL PARASITES
(Continued)

	Entamoeba histolytica	Other Protozoa	Helminths
Ala.	30	1,398	0
Alaska	0	0	2
Ariz.	0	0	0
Ark.	*	*	*
Cal.	32	79	81
Colo.	0	0	0
Conn.	20	440	570
Del.	0	0	0
D. C.	*	*	*
Fla.	122	7,470	11,427
Ga.	11	454	11,055
Hawaii	3	29	261
Ida.	0	0	0
Ill.	20	105	274
Ind.	37	604	374
Ia.	3	18	4
Kans.	12	1,078	152
Ky.	6	360	1,158
La.	154	1,564	8,122
Me.	0	0	0
Md.	118	1,307	0
Mass.	0	0	0
Mich.	*	*	*
Minn.	6	0	144
Miss.	5	653	2,738
Mo.	0	22	0
Mont.	*	*	*
Nebr.	0	13	0
Nev.	0	15	1
N. H.	0	0	0
N. J.	0	22	57
N. M.	*	*	*
N. Y.	20	0	9
N. C.	*	*	*
N. D.	0	5	18

TABLE 1-25. PARASITOLOGY: INTESTINAL PARASITES
(Continued)

	Entamoeba histolytica	Other Protozoa	Helminths
Ohio	2	111	16
Okla.	*	*	*
Ore.	1	50	6
Pa.	7	76	0
R. I.	*	*	*
S. C.	0	0	1,380
S. D.	*	*	*
Tenn.	11	87	336
Tex.	68	1,453	295
Utah	0	0	0
Vt.	2	9	1
Va.	56	231	1,752
Wash.	77	39	35
W. Va.	1	57	35
Wisc.	*	*	*
Wyo.	0	0	2
P. R.	776	6,414	20,894
V. I.	*	*	*

TABLE 1-26. PARASITOLOGY: TRICHOMONAS

	Examinations of Genital Smears:		
	Specimens	Examinations	Positives
Ala.	*	580	225
Alaska	16	16	5
Ariz.	7,748	7,748	140
Ark.	*	*	*
Cal.	0	0	0
Colo.	0	0	0
Conn.	15,068	15,068	1,753
Del.	0	0	0
D. C.	*	*	*
Fla.	48,058	48,058	5,068
Ga.	(a)	15,747	3,265
Hawaii	0	0	0
Ida.	0	0	0
Ill.	27,297	27,297	4,665
Ind.	(a)	13,109	1,775
Ia.	*	*	116
Kans.	2,452	2,452	417
Ky.	0	0	0
La.	0	0	0
Me.	0	0	0
Md.	*	*	742
Mass.	0	0	0
Mich.	*	13,474	1,622
Minn.	1,046	1,046	712
Miss.	0	0	0
Mo.	3,892	3,892	350
Mont.	*	*	*
Nebr.	0	0	0
Nev.	*	104	42
N. H.	26	26	10
N. J.	0	0	0
N. M.	0	0	0
N. Y.	0	0	0
N. C.	0	0	0
N. D.	*	100	28

TABLE 1-26. PARASITOLOGY: TRICHOMONAS

	Examinations of Genital Smears:		
	Specimens	Examinations	Positives
Ohio	(a)	(a)	329
Okla.	*	*	*
Ore.	0	0	0
Pa.	0	0	0
R. I.	(a)	2,570	271
S. C.	*	*	709
S. D.	*	*	*
Tenn.	103	103	12
Tex.	0	0	0
Utah	0	0	0
Vt.	0	0	0
Va.	19	19	8
Wash.	*	*	39
W. Va.	1,326	1,326	199
Wisc.	235	694	*
Wyo.	0	0	0
P. R.	0	0	0
V. I.	*	*	*

(a) Examination for trichomonas made on each smear submitted for Neisseria gonorrhoeae.

TABLE 1-27. PARASITOLOGY: BLOOD PARASITES

	Microscopic		
	Specimens	Examinations	Positives
Ala.	0	0	0
Alaska	1	1	0
Ariz.	0	0	0
Ark.	*	*	*
Cal.	10	10	8 (a)
Colo.	10	10	2 (a)
Conn.	6	6	4 (a)
Del.	0	0	0
D. C.	*	*	*
Fla.	38	*	0
Ga.	141	141	1 (a)
Hawaii	8	8	2 (b)
Ida.	*	5	*
Ill.	31	31	0
Ind.	2	2	2 (a)
Ia.	22	44	0
Kans.	5	5	0
Ky.	0	0	0
La.	*	17	0
Me.	2	2	0
Md.	*	*	1 (c)
Mass.	3	3	0
Mich.	0	0	0
Minn.	11	11	0
Miss.	71	71	0
Mo.	9	9	0
Mont.	*	*	*
Nebr.	0	0	0
Nev.	0	0	0
N. H.	0	0	0
N. J.	0	0	0
N. M.	1	1	0
N. Y.	5	5	3 (d)
N. C.	111	422	33 (a)
N. D.	0	0	0

TABLE 1-27. PARASITOLOGY: BLOOD PARASITES

	Microscopic		
	Specimens	Examinations	Positives
Ohio	2	2	2 (d)
Okla.	*	*	*
Ore.	*	5	0
Pa.	0	0	0
R. I.	0	0	0
S. C.	*	10	*
S. D.	*	*	*
Tenn.	16	16	0
Tex.	*	77	5 (e)
Utah	0	0	0
Vt.	0	0	0
Va.	16	16	0
Wash.	0	0	0
W. Va.	0	0	0
Wisc.	4	5	*
Wyo.	0	0	0
P. R.	*	5	0
V. I.	*	*	*

(a) Malaria.

(b) Filaria.

(c) Trypanosomes.

(d) Breakdown not reported.

(e) Reported one malaria positive, one positive of relapsing fever spirochetes, and three positives not broken down by type.

TABLE 1-28. PARASITOLOGY: PARASITES AND ARTHROPODS

	Parasites for Identification		Arthropods for Identification	
	Specimens	Examinations	Specimens	Examinations
Ala.	0	0	0	0
Alaska	0	0	3	3
Ariz.	0	0	0	0
Ark.	*	*	*	*
Cal.	7	7	0	0
Colo.	0	0	0	0
Conn.	12	12	5	5
Del.	3	3	0	0
D. C.	*	*	*	*
Fla.	55	55	0	0
Ga.	137 (a)	137 (a)	0	0
Hawaii	9	9	0	0
Ida.	0	0	12	12
Ill.	0	0	2	2
Ind.	0	0	10	10
Ia.	3	3	0	0
Kans.	6	6	2	2
Ky.	12	12	6	6
La.	14	14	0	0
Me.	0	0	0	0
Md.	708	714	1	1
Mass.	0	0	0	0
Mich.	0	0	0	0
Minn.	0	0	9	9
Miss.	*	*	0	0
Mo.	0	0	0	0
Mont.	*	*	*	*
Nebr.	5	5	3	3
Nev.	0	0	0	0
N. H.	0	0	0	0
N. J.	1	1	3	3
N. M.	*	*	*	*
N. Y.	0	0	0	0
N. C.	0	0	0	0
N. D.	0	0	1	1

TABLE 1-28. PARASITOLOGY: PARASITES AND ARTHROPODS

	<u>Parasites for Identification</u>		<u>Arthropods for Identification</u>	
	Specimens	Examinations	Specimens	Examinations
Ohio	0	0	5	5
Okla.	*	*	*	*
Ore.	0	0	0	0
Pa.	3	3	3	3
R. I.	0	0	0	0
S. C.	0	0	0	0
S. D.	*	*	*	*
Tenn.	0	0	0	0
Tex.	60	60	0	0
Utah	7	7	4	4
Vt.	10	10	10	10
Va.	4	4	0	0
Wash.	2	2	0	0
W. Va.	0	0	0	0
Wisc.	2,355	2,355	0	0
Wyo.	0	0	0	0
P. R.	0	0	0	0
V. I.	*	*	*	*

(a) Includes 40 Helminth egg counts of 40 specimens.

TABLE 1-29. VIROLOGY

	Total Specimens	Total Examinations	Total Positives
Ala.	*	160	*
Alaska	0	0	0
Ariz.	0	0	0
Ark.	*	*	*
Cal.	*	*	*
Colo.	285	67	*
Conn.	684	1,499	45
Del.	0	0	0
D. C.	*	*	*
Fla.	20,810	21,712	73
Ga.	532	2,495	18
Hawaii	820	2,532	50
Ida.	919	1,012	*
Ill.	1,477	5,422	128
Ind.	0	0	0
Ia.	257	4,583	41
Kans.	871	1,931	*
Ky.	426	1,126	26
La.	*	398	23
Me.	0	0	0
Md.	*	807	29
Mass.	368	534	14
Mich.	780	7,511	57
Minn.	6,312	6,770	*
Miss.	0	0	0
Mo.	123	463	6
Mont.	*	*	*
Nebr.	65	65	*
Nev.	0	0	0
N. H.	0	0	0
N. J.	26,543	113,680	170
N. M.	792	2,057	9
N. Y.	1,025	24,223	86
N. C.	1,043	4,698	*
N. D.	906	1,510	*

TABLE 1-29. VIROLOGY

	Total Specimens	Total Examinations	Total Positives
Ohio	689	813	18
Okla.	*	*	*
Ore.	*	368	*
Pa.	2,095	4,360	*
R. I.	0	0	0
S. C.	405	967	22
S. D.	*	*	*
Tenn.	466	593	*
Tex.	*	44,915	192
Utah	2,626	1,203	54
Vt.	15	19	0
Va.	154	337	18
Wash.	737	8,927	85
W. Va.	98	257	11
Wisc.	5,643	2,751	*
Wyo.	0	0	0
P. R.	4,792	4,956	*
V. I.	*	*	*

TABLE 1-30. VIROLOGY: HUMAN SOURCE SPECIMENS

	Throat Washings	Fecal	CSF	Blood	Tissue	Miscellaneous
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	59	205	10	8	3	0
Conn.	190	392	42	3	56	0
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	95	1,783	49	6,042	47	0
Ga.	70	89	(a)	20	(a)	95
Hawaii	275	216	72	212	36	9
Ida.	218	621	80	0	0	0
Ill.	239	609	224	39	208	158 (b)
Ind.	0	0	0	0	0	0
Ia.	92	114	37	4	1	3
Kans.	24	694	82	0	7	11
Ky.	55	215	135	0	14	7
La.	0	0	0	0	0	0
Me.	0	0	0	0	0	0
Md.	*	*	*	*	*	*
Mass.	85	166	61	13	29	14 (c)
Mich.	120 (d)	660	(d)	0	0	0
Minn.	94	1,393	336	4,173	0	221
Miss.	0	0	0	0	0	0
Mo.	22	67	22	0	4	8
Mont.	*	*	*	*	*	*
Nebr.	(e)	(e)	(e)	(e)	(e)	(e)
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	804	3,158	312	9,634	62	35 (f)
N. M.	25	44	59	333	7	0
N. Y.	176	556	176	16	58	43 (c)
N. C.	121	153	99	644	0	26
N. D.	*	*	*	597	*	309 (g)

TABLE 1-30. VIROLOGY: HUMAN SOURCE SPECIMENS

	Throat Washings	Fecal	CSF	Blood	Tissue	Miscellaneous
Ohio	183	270	131	15	52	21
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	639	878	453	0	125	0
R. I.	0	0	0	0	0	0
S. C.	0	87	15	296	1	0
S. D.	*	*	*	*	*	*
Tenn.	32	269	154	0	11	0
Tex.	0	0	0	0	0	0
Utah	58	380	27	2,153	8	0
Vt.	11	0	0	2	0	2
Va.	46	69	12	1	8	6
Wash.	128	455	20	0	11	0
W. Va.	7	50	37	2	2	0
Wisc.	(h)	(h)	(h)	(h)	(h)	(h)
Wyo.	0	0	0	0	0	0
P. R.	246	4,546	0	0	0	0
V. I.	*	*	*	*	*	*

- (a) Included under "Miscellaneous".
- (b) 27 urine, 131 TC fluid.
- (c) Body fluids.
- (d) Total includes throat washings and CSF.
- (e) Reported 65 specimens, human source, not broken down by type.
- (f) Brains.
- (g) Cultures, not broken down by type.
- (h) Reported 5,643 specimens, human source, not broken down by type.

TABLE 1-31. VIROLOGY: ISOLATION ATTEMPTS

	Embryonated Eggs	Monkey Kidney	HEP Cells	HeLa TC	Mice	Other
Ala.	20	40	0	40	0	60
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	11	19	0	0	0	0
Conn.	30	711	711	0	0	0
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	0	1,974	236	0	434 (a)	1,974
Ga.	34	844	0	0	0	2,495 (b)
Hawaii	29	820	0	820	808 (c)	0
Ida.	919	0	0	0	0	93
Ill.	43	2,142	482	0	15	1,696 (d)
Ind.	0	0	0	0	0	0
Ia.	80	1,039	0	891	387	1,105 (e)
Kans.	25	871	0	871	69 (f)	0
Ky.	44	579	0	473	4	0
La.	34	341	0	0	0	0
Me.	0	0	0	0	0	0
Md.	53	640	0	0	0	0
Mass.	80	291	0	0	56 (g)	93 (h)
Mich.	0	0	0	0	0	0
Minn.	43	2,040	0	2,043	316	2,043 (e)
Miss.	0	0	0	0	0	0
Mo.	133	123	0	0	2	148
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	2,175	22,072	0	22,072	400 (i)	420 (j)
N. M.	3	128	0	0	0	66 (k)
N. Y.	*	*	*	*	*	8,851 (l)
N. C.	77	1,005	0	234	521	0
N. D.	100	1,200	0	0	0	0

TABLE 1-31. VIROLOGY: ISOLATION ATTEMPTS

	Embryonated Eggs	Monkey Kidney	HEP Cells	HeLa TC	Mice	Other
Ohio	71	680	0	0	29	0
Okla.	*	*	*	*	*	*
Ore.	143	225	0	0	0	0
Pa.	639	2,167	0	1,200	83 (g)	0
R. I.	0	0	0	0	0	0
S. C.	0	103	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	83	474	0	0	0	0
Tex.	41	1,012	0	0	953	0
Utah	58	438	0	0	261	0
Vt.	15	0	0	0	4	0
Va.	13	133	0	0	0	151 (m)
Wash.	520	4,442	0	0	0	0
W. Va.	24	166	0	0	63 (n)	4 (o)
Wisc.	48	412	0	0	0	0
Wyo.	0	0	0	0	0	0
P. R.	246	2,364	0	1,846	12 (g)	0
V. I.	*	*	*	*	*	*

(a) Suckling mice, 395; adult mice, 39.

(b) Includes 651 cell lines; 565 animal; and 274 Plaque examinations.

(c) 0 - 1 day suckling mice, 784; three week mice, 24.

(d) H. E. Fibroblast (IDH), 928; 1-132 (Embryonic lung), 135; T-35, 41; McCoy, 76; HuA, 162; Monkey Kidney (AG), 48, and KB, 306.

(e) Human amnion.

(f) Suckling mice, 55; adult mice, 14.

(g) Suckling mice.

(h) Represents 36 p. HEK; 44 HAM TC; and 13 AH-1 examinations.

(i) Includes mouse and chick isolations without further breakdown.

- (j) DETC.
- (k) Animal inoculations.
- (l) Total isolations; not broken down by type.
- (m) 133 Wistar and 18 animal isolation attempts.
- (n) Suckling mice, 26; three week old mice, 37.
- (o) Human embryonic kidney.

TABLE 1-32. VIROLOGY: IDENTIFICATIONS BY METHOD

	Hemagglutination Inhibition	Hemadsorption Inhibition	Complement Fixation	Tissue Culture Neutralization	Animal Neutralization	FA	Other
Ala.	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	11	0	0	19	7	0	0
Conn.	0	0	11	34	0	0	0
Del.	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*
Fla.	4	4	6	10	0	0	15
Ga.	0	0	0	91	15	0	0
Hawaii	0	0	14	36	5	0	0
Ida.	0	0	0	0	0	0	0
Ill.	0	67	54	923	0	0	0
Ind.	0	0	0	0	0	0	0
Ia.	0	0	0	796	104	0	0
Kans.	0	0	2	93	0	0	0
Ky.	0	0	0	26	0	0	0
La.	0	0	0	23	0	0	0
Me.	0	0	0	0	0	0	0
Md.	0	0	0	0	144 (a)	0	0
Mass.	0	0	0	14	0	0	0
Mich.	0	0	7,511	0	0	0	0
Minn.	*	*	*	*	*	0	0
Miss.	0	0	0	0	0	0	0
Mo.	12	9	0	36	0	0	0
Mont.	*	*	*	*	*	*	*
Nebr.	27	0	38	0	0	0	0
Nev.	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0
N. J.	10	3	0	1,020	0	0	0
N. M.	109	0	761	0	0	0	0
N. Y.	4,948	45	7,900	2,247	0	232	0
N. C.	12	0	0	989	87	883	890 (b)
N. D.	110	0	0	100	0	0	0

TABLE 1-32. VIROLOGY: IDENTIFICATIONS BY METHOD

	Hemagglutination Inhibition	Hemadsorption Inhibition	Complement Fixation	Tissue Culture Neutralization	Animal Neutralization	FA	Other
Ohio	2	0	2	12	0	0	0
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	31	4	0	236	0	0	0
R. I.	0	0	0	0	0	0	0
S. C.	0	0	855	3	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	21	15	0	0
Tex.	0	25	12	130	0	0	0
Utah	370	14	0	35	27	0	0
Vt.	0	0	0	0	0	0	0
Va.	1	1	8	8	0	0	0
Wash.	140	27	3,305	478	11	0	0
W. Va.	2	0	0	9	0	1	0
Wisc.	18	19	1,340	186	39	689	0
Wyo.	0	0	0	0	0	0	0
P. R.	98	0	0	390	0	0	0
V. I.	*	*	*	*	*	*	*

(a) Animal inoculation.

(b) Microscopic.

TABLE 1-33. VIROLOGY: ANIMAL SOURCE SPECIMENS

	Total Specimens	Total Examinations
Ala.	0	0
Alaska	0	0
Ariz.	0	0
Ark.	*	*
Cal.	*	*
Colo.	0	0
Conn.	1	2
Del.	0	0
D. C.	*	*
Fla.	12,794	17,055
Ga.	258	(a)
Hawaii	0	0
Ida.	0	0
Ill.	0	0
Ind.	0	0
Ia.	1	6
Kans.	19	*
Ky.	0	0
La.	0	0
Me.	0	0
Md.	0	0
Mass.	0	0
Mich.	0	0
Minn.	5	15
Miss.	0	0
Mo.	0	0
Mont.	*	*
Nebr.	0	0
Nev.	0	0
N. H.	0	0
N. J.	12,407	63,412
N. M.	324	990
N. Y.	0	0
N. C.	0	0
N. D.	0	0

TABLE 1-33. VIROLOGY: ANIMAL SOURCE SPECIMENS

	Total Specimens	Total Examinations
Ohio	16	16
Okla.	*	*
Ore.	0	0
Pa.	0	0
R. I.	0	0
S. C.	6	6
S. D.	*	*
Tenn.	0	0
Tex.	*	42,742
Utah	0	0
Vt.	0	0
Va.	12	22
Wash.	4	4
W. Va.	0	0
Wisc.	0	0
Wyo.	0	0
P. R.	0	0
V. I.	*	*

(a) Included with "Isolation Attempts", Table 1-31.

TABLE 1-34. VIROLOGY: ANIMAL SOURCE EXAMINATIONS

	Specimens	Animal Source	No. Examinations
Florida	*	Animal tissues, Mosquitoes	2,115
	*	Animal and bird blood	10,676
	*	Isolation attempts	2,115
	*	Suckling mice	2,115
	*	Monkey kidney	31
Iowa	1	Cow brain	6
Kansas	4	Horse autopsy	*
	7	Birds	*
	8	Mosquitoes	*
New Jersey	3,912	Non-avian	19,560
	5,697	Avian	28,485
	1,377	Mosquito pools	8,262
	225	Ectoparasite pools	1,125
	892	Amehib and reptiles	4,460
	304	Referral from rabies	1,520
New Mexico	*	Psittacosis	4
	*	Q fever	6
	*	WEE	411
	*	EEE	256
	*	St. Louis	313
Ohio	16	Birds	16
South Carolina	6	Blood - CF	6
Texas	*	Ticks	3
	*	Horse	8
	*	Mosquitoes	42,710
	*	Avian	21

TABLE 1-34. VIROLOGY: ANIMAL SOURCE EXAMINATIONS

	Specimens	Animal Source	No. Examinations
Virginia	10	Horse brain	20
	2	Avian	2
Washington	4	Birds	4

TABLE 1-35. VIROLOGY: SEWAGE

	Specimens	Examinations
Ala.	0	0
Alaska	0	0
Ariz.	0	0
Ark.	*	*
Cal.	*	*
Colo.	0	0
Conn.	0	0
Del.	0	0
D. C.	*	*
Fla.	0	0
Ga.	0	0
Hawaii	0	0
Ida.	0	0
Ill.	0	0
Ind.	0	0
Ia.	5	175
Kans.	34	*
Ky.	0	0
La.	0	0
Me.	0	0
Md.	0	0
Mass.	0	0
Mich.	0	0
Minn.	90	270
Miss.	0	0
Mo.	0	0
Mont.	*	*
Nebr.	0	0
Nev.	0	0
N. H.	0	0
N. J.	131	2,096
N. M.	0	0
N. Y.	0	0
N. C.	0	0
N. D.	0	0

TABLE 1-35. VIROLOGY: SEWAGE

	Specimens	Examinations
Ohio	0	0
Okla.	*	*
Ore.	0	0
Pa.	0	0
R. I.	0	0
S. C.	0	0
S. D.	*	*
Tenn.	0	0
Tex.	0	0
Utah	0	0
Vt.	0	0
Va.	0	0
Wash.	119	*
W. Va.	0	0
Wisc.	0	0
Wyo.	0	0
P. R.	0	0
V. I.	*	*

TABLE 1-36. VIROLOGY: TOTAL POSITIVE FINDINGS

	Total Positives	Adenovirus	Bunyamwera	California Complex	Colorado Tick Fever	Coxsackie	Coxsackie A	Coxsackie A 9	Coxsackie B	Cytomegalic Inclusion Bodies	EEE	Echo	Echo 4
Ala.	*												
Alaska	0												
Ariz.	0												
Ark.	*												
Cal.	*												
Colo.	*												
Conn.	45	8						2	17			5	
Del.	0												
D. C.	*												
Fla.	73		18	26				1	3		6	5	
Ga.	18	2						1	3		2	1	6
Hawaii	50	9						5	5			15	
Ida.	*												
Ill.	128	46						1	9			28	
Ind.	0												
Ia.	41	3						1	4	1			
Kans.	*												
Ky.	26							2	3			2	16
La.	23								2				
Me.	0												
Md.	29	8						2	10				
Mass.	14								7			6	
Mich.	57 (a)												
Minn.	*												
Miss.	0												
Mo.	6								5				
Mont.	*												
Nebr.	*												
Nev.	0												
N. H.	0												
N. J.	170	18				52					59	7	
N. M.	9												
N. Y.	86	11						15	1	18		5	3
N. C.	*												
N. D.	*												

TABLE 1-36. VIROLOGY: TOTAL POSITIVE FINDINGS

	Total Positives	Adenovirus	Bunyamwera	California Complex	Colorado Tick Fever	Coxsackie	Coxsackie A	Coxsackie A 9	Coxsackie B	Cytomegalic Inclusion Bodies	EEE	Echo	Echo 4
Ohio	18						1	2				2	1
Okla.	*												
Ore.	*												
Pa.	*												
R. I.	0												
S. C.	22	1					1					1	
S. D.	*												
Tenn.	*												
Tex.	192		1				2	16				5	
Utah	54	3			28	2				4		10	
Vt.	0												
Va.	18								1		6		
Wash.	85	2						19				3	
W. Va.	11							3				4	1
Wisc.	*												
Wyo.	0												
P. R.	*												
V. I.	*												
Totals	1,175	111	18	27	28	54	23	17	124	4	73	99	27

(a) Virus isolations, not broken down further by type and included in total.

TABLE 1-36. VIROLOGY: TOTAL POSITIVE FINDINGS
(Continued)

	Echo 6	Echo 9	Hart-Park	Herpes Simplex	Influenza	LCM	Measles	Mumps	Parainfluenza	Polio I	Polio II	Polio III	Psittacosis	REO	Respiratory Syncytial
Ala.															
Alaska															
Ariz.															
Ark.															
Cal.															
Colo.															
Conn.	2			1						2	2	4			2
Del.															
D. C.															
Fla.			7		4							1			
Ga.				1									1		
Hawaii				1			1	1				1			
Ida.															
Ill.	8	5		2	2			1	2	1	3	3		1	8
Ind.															
Ia.		23								5	1	1			
Kans.															
Ky.	3														
La.	6	9									6				
Me.															
Md.	2	3		1						2	1				
Mass.				1											
Mich.															
Minn.															
Miss.															
Mo.												1			
Mont.															
Nebr.															
Nev.															
N. H.															
N. J.				1	5				3	17					
N. M.		5										4			
N. Y.	6			10	3			1	1	2	2	6			
N. C.															
N. D.															

TABLE 1-36. VIROLOGY: TOTAL POSITIVE FINDINGS
(Continued)

	Echo 6	Echo 9	Hart-Park	Herpes Simplex	Influenza	LCM	Measles	Mumps	Parainfluenza	Polio I	Polio II	Polio III	Psittacosis	REO	Respiratory Syncytial
Ohio	1	2			2						2	1	2		
Okla.															
Ore.															
Pa.															
R. I.															
S. C.					4			4	2		3				
S. D.															
Tenn.															
Tex.	5	60	41	1				1	3	26	4		1		
Utah				2	3	1				1					
Vt.															
Va.				1	2			8							
Wash.		35								9	4	13			
W. Va.					2							1			
Wisc.															
Wyo.															
P. R.															
V. I.															
Totals	33	142	48	22	27	1	1	16	11	65	28	36	4	1	10

TABLE 1-36. VIROLOGY: TOTAL POSITIVE FINDINGS
(Continued)

	Rhinovirus	Rocky Mt. Spotted Fever	Rubella	SLE	Turlock	Vaccinia	WEE	Unidentified
Ala.								
Alaska								
Ariz.								
Ark.								
Cal.								
Colo.								
Conn.								
Del.								
D. C.								
Fla.							2	
Ga.								
Hawaii						1		11
Ida.								
Ill.	3		4					1
Ind.								
Ia.								2
Kans.								
Ky.								
La.								
Me.								
Md.								
Mass.								
Mich.								
Minn.								
Miss.								
Mo.								
Mont.								
Nebr.								
Nev.								
N. H.								
N. J.				5			3	
N. M.								
N. Y.	1		1					
N. C.								
N. D.								

TABLE 1-36. VIROLOGY: TOTAL POSITIVE FINDINGS
(Continued)

	Rhinovirus	Rocky Mt. Spotted Fever	Rubella	SLE	Turlock	Vaccinia	WEE	Unidentified
Ohio				1		1		
Okla.								
Ore.								
Pa.								
R. I.								
S. C.		5		1				
S. D.								
Tenn.								
Tex.				6	4		10	6
Utah								
Vt.								
Va.								
Wash.								
W. Va.								
Wisc.								
Wyo.								
P. R.								
V. I.								
Totals	4	5	5	13	4	2	15	20

TABLE 1-37. VIROLOGY: RABIES

	Specimens	Exams	Direct Smears (Sellers)		FRA		Animal Inoculations	
			Exams	Positives	Exams	Positives	Exams	Positives
Ala.	*	4,303	1,348	17	1,400	18	1,555	110
Alaska	66	66	0	0	66	7	0	0
Ariz.	1,992	12,160	6,039	39	3,214	12 (a)	2,907	8 (b)
Ark.	*	*	*	*	*	*	*	*
Cal.	1,978	1,978	0	0	1,978	83	0	0
Colo.	341	18	7	*	9	*	2	*
Conn.	309	761	309	2	117	3	335	3
Del.	390	390	65	0	65	0	260	0
D. C.	*	*	*	*	*	*	*	*
Fla.	3,667	6,750	3,330	64	3,333	77	87	23
Ga.	1,726	3,225	1,401	86	1,730	95	94	10
Hawaii	0	0	0	0	0	0	0	0
Ida.	*	460	230	0	230	11	0	0
Ill.	2,106	2,106	0	0	1,949	30	157	30
Ind.	2,746	5,485	2,704	42	2,711	35	70	2
Ia.	1,023	2,982	0	0	1,014	98	1,968	1
Kans.	0 (c)	0	0	0	0	0	0	0
Ky.	827	2,156	745	59	747	80	664	25
La.	*	4,722	1,698	84	1,762	30	1,262	15
Me.	249	249	0	0	249	19	0	0
Md.	529	2,305 (d)	931	12	931	12	423	6
Mass.	*	1,261 (e)	426	0	(f)	3	409	2
Mich.	0	0	0	0	0	0	0	0
Minn.	1,298	2,666	647 (g)	5	721	38	1,298	38
Miss.	1,228	2,098	870	41 (h)	1,228	(h)	0	0
Mo.	926	2,282	573	48	926	82	783	12
Mont.	*	*	*	*	*	*	*	*
Nebr.	878	1,762	878	10	878	13	6	6
Nev.	0	0	0	0	0	0	0	0
N. H.	70	560	210	30 (h)	140	(h)	210	(h)
N. J.	1,554	10,913	1,506	7	1,931	19	7,476	13
N. M.	499	1,286	499	14	499	17	288	7
N. Y.	2,481	5,797	2,481	223 (h)	2,481	(h)	835	(h)
N. C.	885	1,759	877	3	877	3	5	*
N. D.	260	664 (i)	260	35 (h)	260	(h)	0	0

TABLE 1-37. VIROLOGY: RABIES

	Specimens	Exams	Direct Smears (Sellers)		FRA		Animal Inoculations	
			Exams	Positives	Exams	Positives	Exams	Positives
Ohio	3,273	5,187	2,775 (g)	268	2,300	159	112	24
Okla.	*	*	*	*	*	*	*	*
Ore.	*	761	378	11	378	11	5	0
Pa.	164	507	169	0	169	0	169	0
R. I.	*	126	126	*	0	0	0	0
S. C.	*	931	552	3	379	2	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	4,460	7,571	4,460	736	3,067	345	44	2
Tex.	*	12,878	6,740	182	6,104	400	34	3
Utah	131	389	131	4	129	4	129	4
Vt.	290	593	255	20	289	30	49	0
Va.	1,541	3,078	1,266	250	890	36	922	32
Wash.	*	488	13	*	248	10	227	*
W. Va.	*	1,150	389	24	389	32	372	29
Wisc.	1,294	7,548	2,573	*	1,137	*	3,838	*
Wyo.	0	0	0	0	0	0	0	0
P. R.	*	597	592	28	5	*	*	74
V. I.	*	*	*	*	*	*	*	*

- (a) Found positive on FA but not on Sellars.
- (b) Found positive on inoculation but not on FA nor Sellars.
- (c) Performed by Veterinary Diagnostic Laboratory, Kansas State University.
- (d) Includes 20 Referrals.
- (e) Includes 426 Direct Smear (Mann's) examinations, with no positives.
- (f) Reporting of FRA became routine July, 1965, but was performed on all specimens for one year prior. Therefore, only the positives are shown.
- (g) Direct Smears (Williams).
- (h) Total rabies positives; not broken down by type of examination.
- (i) Includes 144 Referred examinations.

TABLE 1-38. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS

	Specimens (Total)	Examinations (Total)	VDRL Qualitative		VDRL Quantitative	
			Examinations	Positives	Examinations	Positives
Ala.	0	0	0	0	0	0
Alaska	19,338	20,256	19,338	618	638	416
Ariz.	46,127	53,000	45,606	3,969	4,034	*
Ark.	*	*	*	*	*	*
Cal.	39,351	50,687	39,904	4,737	5,606	4,737
Colo.	128,045	133,611	117,494	6,982	3,962	3,962
Conn.	91,669	102,749	91,669	5,406	5,501	*
Del.	36,931	39,836	34,026	2,905	2,905	*
D. C.	*	*	*	*	*	*
Fla.	736,660	863,666	817,536	32,030	41,540	*
Ga.	452,591	472,909	449,191	20,326	20,280	9,780
Hawaii	27,638	32,729	27,608	1,355	1,135	1,135
Ida.	*	39,075	0	0	1,122	614
Ill.	446,162	492,319	223,772	7,808	19,351	14,913
Ind.	144,284	152,547 (a)	141,468 (a)	5,444 (a)	3,411 (a)	3,318 (a)
Ia.	191,975	218,243	188,550	2,702	2,702	2,702
Kans.	108,777	114,861	108,777	3,923	3,811	2,739
Ky.	141,078	146,172	139,402	5,348	5,804	5,348
La.	*	413,655	230,599	13,954	8,858	8,858
Me.	46,736	51,418	46,736	1,132	1,420	*
Md.	78,489	79,907	0	0	0	0
Mass.	*	434,263	0	0	0	0
Mich.	348,123	379,682	348,123	10,643	17,022	*
Minn.	148,906	195,047	12,606	3,469	3,810	984
Miss.	199,151	207,852	199,151	8,030	8,030	8,030
Mo.	50,465	73,926	50,465	4,022	8,280	2,497
Mont.	*	*	*	*	*	*
Nebr.	104,009	106,981	3,900	136	2,972	1,309
Nev.	26,564	29,613	26,564	1,296	1,351	204
N. H.	50,000	52,095	50,000	1,410	0	0
N. J.	*	227,584	209,987	12,064	14,267	12,064
N. M.	54,363	62,816	54,363	4,641	3,426	*
N. Y.	123,919	123,919	0	0	0	0
N. C.	315,085	333,053	313,744	11,665	13,168	11,665
N. D.	48,770	50,402	49,588	221	407	*

TABLE 1-38. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS

	Specimens (Total)	Examinations (Total)	VDRL Qualitative		VDRL Quantitative	
			Examinations	Positives	Examinations	Positives
Ohio	109,836	206,678	103,525	8,417	7,146	*
Okla.	*	*	*	*	*	*
Ore.	*	77,309	73,467	772	2,681	*
Pa.	*	50,440	41,892	*	4,599	3,328
R. I.	*	39,752	35,699	785	0	0
S. C.	*	294,563	275,983	12,721	17,765	*
S. D.	*	*	*	*	*	*
Tenn.	412,265	431,366	412,265	18,331	18,331	18,331
Tex.	*	459,158	422,741	29,177	29,123	18,440
Utah	81,035	87,099	81,035	1,807	1,807	*
Vt.	36,300	39,240	36,300	900	940	800
Va.	197,667	211,050	197,667	9,283	9,964	6,061
Wash.	31,742	38,550	31,007	2,908	2,908	2,908
W. Va.	34,757	39,055	34,757	2,714	2,833	2,712
Wisc.	200,985	238,478	0	0	109,732	*
Wyo.	12,953	13,319	12,953	351	366	351
P. R.	*	73,427	67,395	5,606	5,606	4,729
V. I.	*	*	*	*	*	*

(a) Mazzini rather than VDRL tests used.

TABLE 1-38. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS
(Continued)

	KRP(RPCF)		FTA-200		FTA-abs.		Other	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0	0	0
Alaska	0	0	200	85	0	0	80 (a)	31
Ariz.	1,881	949	1,150	490	0	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	0	0	365	93	1,896	1,184	1,631 (b)	670
Colo.	11,756	2,085	399	145	0	0	0	0
Conn.	0	0	5,468	3,227	111	62	0	0
Del.	2,905	2,441	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	3,053 (c)	*	945	*	27	*	0	0
Ga.	543	160	730	321	0	0	733 (d)	511
Hawaii	2,823	877	1,133	466	0	0	30 (e)	15
Ida.	0	0	1,384	349	246	14	0	0
Ill.	1,374	439	1,157	436	0	0	24,275 (f)	13,436
Ind.	858	316	0	0	0	0	0	0
Ia.	8,782	1,610	225	142	3	3	0	0
Kans.	526	204	969	406	0	0	391 (d)	258
Ky.	367	109	236	96	0	0	0	0
La.	1,155	585	0	0	0	0	0	0
Me.	135	101	430	24	0	0	0	0
Md.	2,449	933	1,118	544	0	0	0	0
Mass.	1,636	645	0	0	0	0	432,627 (g)	14,165
Mich.	0	0	90	35	0	0	14,447 (h)	7,532
Minn.	2,356	570	0	0	0	0	163,687 (i)	7,722
Miss.	664	232	0	0	7	3	0	0
Mo.	1,869	456	1,465	444	422	205	0	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0	0
Nev.	1,688	537	10	10	0	0	0	0
N. H.	0	0	0	0	0	0	1,477 (j)	425
N. J.	2,113	359	1,217	206	0	0	0	0
N. M.	0	0	4,827	1,912	0	0	0	0
N. Y.	0	0	0	0	0	0	123,919 (k)	8,580
N. C.	3,030	1,168	3,104	1,360	0	0	7 (l)	0
N. D.	0	0	407	*	0	0	0	0

TABLE 1-38. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS
(Continued)

	KRP(RPCF)		FTA-200		FTA-abs.		Other	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	9,723	5,579	1,583	543	0	0	81,471 (m)	6,966
Okla.	*	*	*	*	*	*	*	*
Ore.	672	190	489	99	0	0	0	0
Pa.	1,699	326	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	1,299 (j)	739
S. C.	687	261	0	0	128	84	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	770	448	0	0	0	0
Tex.	1,512 (n)	456	2,339 (n)	693	1,874 (o)	1,292	0	0
Utah	0	0	679	*	0	0	0	0
Vt.	1,400	370	340	160	0	0	0	0
Va.	1,316	560	2,103	1,050	0	0	0	0
Wash.	0	0	4,635	1,696	0	0	0	0
W. Va.	0	0	599	273	0	0	0	0
Wisc.	3,799	*	1,168	*	0	0	123,779 (p)	*
Wyo.	0	0	0	0	0	0	0	0
P. R.	280	118	146	61	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

(a) Sceroscreen examinations.

(b) Represents the following: Mazzini Qualitative, 4 exams, 4 positives; Mazzini Quantitative, 2 exams, 2 positives; TPI, 1,625 exams, 664 positives.

(c) Discontinued December 31, 1965.

(d) Kline Standard.

(e) Kahn qualitative.

(f) Kahn qualitative and quantitative.

(g) Represents the following: Hinton qualitative, 417,068 tests with 6,653 positives; Hinton quantitative, 11,443 tests with 7,490 positives; and Davies-Hinton Micro Floc., 4,116 tests with 22 positives.

(h) RPCF.

- (i) Represents the following examinations: Kline card, Gr. I, 148,906 tests with 3,462 positives; Kline card, Gr. II, 12,633 tests with 3,462 positives; and Hinton, 2,148 tests with 798 positives.
- (j) Hinton quantitative.
- (k) 123,787 Cardioliipin slide flocculation and RPCF with 8,524 positives, and 132 TPI examinations with 56 positives.
- (l) Darkfield microscopy.
- (m) Kline, 76,936 examinations, 4,977 positives; Mazzini, 4,465 examinations, 1,974 positives; Kahn, 70 examinations, 15 positives.
- (n) Tests discontinued July 21, 1965.
- (o) Tests started July 21, 1965.
- (p) Serology.

TABLE 1-38. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS
(Continued)

	Kolmer		Kolmer		Rapid Reagin			
	Qualitative		Quantitative		USR		RPR Circle Card	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	0	0	329	207	0	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	651	384	634	384	0	0	0	0
Colo.	0	0	0	0	0	0	0	0
Conn.	0	0	0	0	0	0	0	0
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	165 (a)	*	0	0	200	*	200	*
Ga.	726	259	0	0	706	528	0	0
Hawaii	0	0	0	0	0	0	0	0
Ida.	0	0	1,384	523	34,939	*	0	0
Ill.	0	0	0	0	222,390	11,443	0	0
Ind.	6,810	3,388	0	0	0	0	0	0
Ia.	15,137	2,844	2,844	2,844	0	0	0	0
Kans.	307	177	80	34	0	0	0	0
Ky.	363	193	0	0	0	0	0	0
La.	173,043	12,924	0	0	0	0	0	0
Me.	2,697	1,200	0	0	0	0	0	0
Md.	0	0	0	0	0	0	76,340	6,217
Mass.	0	0	0	0	0	0	0	0
Mich.	0	0	0	0	0	0	0	0
Minn.	12,588	2,800	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0	0
Mo.	8,711	1,869	0	0	0	0	2,714	9
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	0	0	100,109	1,706	0	0
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	618	160	0	0	0	0
N. J.	0	0	0	0	0	0	0	0
N. M.	0	0	0	0	0	0	200	132
N. Y.	0	0	0	0	0	0	0	0
N. C.	0	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0	0

TABLE 1-38. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS
(Continued)

	Kolmer Qualitative		Kolmer Quantitative		Rapid Reagin			
	Exams	Positives	Exams	Positives	USR		RPR Circle Card	
					Exams	Positives	Exams	Positives
Ohio	3,230	2,068	0	0	0	0	0	0
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0	0
Pa.	2,250	1,643	0	0	0	0	0	0
R. I.	1,879	812	875	*	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0	0
Tex.	1,256 (b)	632	313 (b)	157	0	0	0	0
Utah	3,578	*	0	0	0	0	0	0
Vt.	0	0	260 (c)	80	0	0	0	0
Va.	0	0	0	0	0	0	0	0
Wash.	0	0	0	0	0	0	0	0
W. Va.	186	74	280	163	0	0	400	182
Wisc.	0	0	0	0	0	0	0	0
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0
V. I.	*	*	0	*	*	*	*	*

(a) Discontinued Spring, 1965.

(b) Tests discontinued July 21, 1965.

(c) Discontinued Kolmer in November, 1964.

TABLE 1-39. SEROLOGY: EXAMINATIONS OF SPINAL FLUIDS FOR SYPHILIS

	Specimens	Examinations	VDRL Qualitative		VDRL Quantitative	
			Examinations	Positives	Examinations	Positives
Ala.	0	0	0	0	0	0
Alaska	79	149	79	0	0	0
Ariz.	22	21	20	1	1	0
Ark.	*	*	*	*	*	*
Cal.	253	655 (a)	278	18	21	1
Colo.	528	541	523	13	13	13
Conn.	1,090	2,248	1,090	29	28	*
Del.	128	128	127	0	0	0
D. C.	*	*	*	*	*	*
Fla.	1,170	1,875	1,170	22	22	22
Ga.	478	668	447	5	5	0
Hawaii	238	299 (b)	0	0	0	0
Ida.	*	727 (c)	0	0	0	0
Ill.	2,134	4,041 (d)	2,134	23	17	17
Ind.	1,282	2,538	0	0	0	0
Ia.	1,817	3,634	0	0	0	0
Kans.	479	964	479	12	6	2
Ky.	*	1,270	496	22	18	17
La.	*	1,881	0	0	0	0
Me.	*	2,381 (e)	620	6	5	5
Md.	1,093	1,078	0	0	0	0
Mass.	*	9,329 (f)	0	0	0	0
Mich.	0	0	0	0	0	0
Minn.	4,981	13,769	0	0	3,576	16
Miss.	14	14	14	0	0	0
Mo.	311	790	3	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	905	1,626	0	0	905	3
Nev.	130	149	45	19	19	19
N. H.	488	907	488	5	5	5
N. J.	*	2,963	2,025	23	23	23
N. M.	382	392	382	18	10	*
N. Y.	6,591	19,773 (g)	0	0	0	0
N. C.	1,058	2,081	1,183	32	32	32
N. D.	*	395	395	*	0	0

TABLE 1-39. SEROLOGY: EXAMINATIONS OF SPINAL FLUIDS FOR SYPHILIS

	Specimens	Examinations	VDRL Qualitative		VDRL Quantitative	
			Examinations	Positives	Examinations	Positives
Ohio	733	2,559 (h)	697	56	0	0
Okla.	*	*	*	*	*	*
Ore.	*	485	485	*	0	0
Pa.	*	135	0	0	0	0
R. I.	*	1,178	589	9	0	0
S. C.	*	872	693	13	0	0
S. D.	*	*	*	*	*	*
Tenn.	1,189	1,543	1,189	13	13	13
Tex.	*	3,702	3,447	117	117	117
Utah	*	498	0	0	0	0
Vt.	750	990	750	10	10	*
Va.	*	455	346	36	14	12
Wash.	*	1,014	423	13	13	13
W. Va.	157	314	157	8	0	0
Wisc.	1,645	2,519 (i)	0	0	898	*
Wyo.	15	25	9	0	0	0
P. R.	*	45	43	2	2	*
V. I.	*	*	*	*	*	*

- (a) Includes the following: FTA -200, 47 exams, 3 positives; FTA-ABS, 139 exams, 8 positives; TPI, 5 exams, 0 positives.
- (b) Includes 238 KRPCF quantitative, 16 positives and 43 Gum mastic examinations not shown in further breakdown of this table.
- (c) Includes 244 FTA-200 examinations with 6 positives.
- (d) Includes 176 Kahn qualitative and quantitative examinations with 5 positives.
- (e) Includes 620 Globulin tests, positives not shown.
- (f) Represents Hinton quantitative examinations, with 88 positives reported.
- (g) Includes 6,591 Cardiolipin CF examinations with 289 positives not shown in further breakdown in this table.
- (h) Includes 626 Kline examinations with 47 positives not shown in further breakdown.
- (i) Includes 833 serology tests and 787 gold solution tests not shown in further breakdown.

TABLE 1-39. SEROLOGY: EXAMINATIONS OF SPINAL FLUIDS FOR SYPHILIS
(Continued)

	Kolmer Qualitative		Kolmer Quantitative		Total Protein	Colloidal
	Exams	Positives	Exams	Positives	Exams	Tests
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	70
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	6	6	6	6	17	136
Colo.	0	0	0	0	5	0
Conn.	0	0	0	0	1,051	79
Del.	0	0	0	0	1	0
D. C.	*	*	*	*	*	*
Fla.	62	*	0	0	621	0
Ga.	0	0	0	0	216	0
Hawaii	0	0	0	0	18	0
Ida.	0	0	244	12	239	0
Ill.	0	0	0	0	622	1,092
Ind.	1,282	66	296	49	0	960
Ia.	1,817	38	1,817	38	0	0
Kans.	0	0	0	0	479	0
Ky.	495	54	26	54	235	0
La.	0	0	858	30	218	805
Me.	510	11	6	6	0	620
Md.	0	0	1,078	47	0	0
Mass.	0	0	0	0	0	0
Mich.	0	0	0	0	0	0
Minn.	4,981	34	0	0	2,165	3,056
Miss.	0	0	0	0	0	0
Mo.	0	0	311	13	303	173
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	411	310
Nev.	0	0	0	0	1	84
N. H.	0	0	0	0	38	376
N. J.	0	0	0	0	915	0
N. M.	0	0	0	0	0	0
N. Y.	0	0	0	0	6,591	6,591
N. C.	0	0	0	0	866	0
N. D.	0	0	0	0	0	0

TABLE 1-39. SEROLOGY: EXAMINATIONS OF SPINAL FLUIDS FOR SYPHILIS
(Continued)

	Kolmer Qualitative		Kolmer Quantitative		Total Protein	Colloidal
	Exams	Positives	Exams	Positives	Exams	Tests
Ohio	632	84	0	0	604	0
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	135	20	0	0
R. I.	589	9	0	0	0	0
S. C.	3	2	0	0	27	149
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	341	0
Tex.	0	0	138 (a)	14	0	0
Utah	198	*	242	*	58	0
Vt.	0	0	170	0	60	0
Va.	0	0	0	0	95	0
Wash.	0	0	0	0	578	0
W. Va.	0	0	0	0	157	0
Wisc.	0	0	1	*	0	0
Wyo.	0	0	0	0	6	10
P. R.	0	0	0	0	0	0
V. I.	*	*	*	*	*	*

(a) Tests discontinued July 21, 1965.

TABLE 1-40. SEROLOGY: BACTERIAL

Specimens	Examinations	Typhoid				
		H Antigens		O Antigens		
		Examinations	Positives	Examinations	Positives	
Ala.	*	840	0	0	0	0
Alaska	385	1,419	157	2	157	2
Ariz.	176	590	68	3	67	1
Ark.	*	*	*	*	*	*
Cal.	750	1,887 (a)	438	96 (b)	438	(b)
Colo.	592	977	55	18	54	12
Conn.	9,432	15,520	61	48	587	135
Del.	262	262	46	0	46	0
D. C.	*	*	*	*	*	*
Fla.	2,641	9,079	0	0	2,641	36
Ga.	8,056	15,234 (c)	0	0	2,157	21
Hawaii	928	821	87	2	87	2
Ida.	*	8,693	1,725	26	1,725	0
Ill.	*	30,695 (d)	3,570	90	3,570	89
Ind.	3,643	18,951	74	0	3,643	167
Ia.	19,171	34,601 (e)	4,246	534	4,246	534
Kans.	*	25,750	0	0	6,924	23
Ky.	1,360	5,793	909	32	909	29
La.	*	8,040 (f)	1,649	92	1,649	91
Me.	587	4,012	387	3	387	2
Md.	2,439	7,346	0	0	0	0
Mass.	4,730	9,152	1,200	0	0	0
Mich.	*	8,075	748	24	748	25
Minn.	20,795	27,530	1,811	562 (b)	1,811	(b)
Miss.	1,888	4,600	0	0	1,213	18
Mo.	553	3,395	552	2	552	2
Mont.	*	*	*	*	*	*
Nebr.	7,775	18,463	0	0	5,293	215
Nev.	372	2,124 (g)	219	*	219	*
N. H.	135	700	135	20	135	20
N. J.	*	4,730	19	0	19	0
N. M.	*	3,462	875	*	875	*
N. Y.	4,716	5,708 (h)	367	110	367	0
N. C.	4,695	7,213 (i)	159 (b)	3 (b)	(b)	(b)
N. D.	4,859	21,412	4,470	*	4,470	*

TABLE 1-40. SEROLOGY: BACTERIAL

	Specimens	Examinations	Typhoid			
			H Antigens		O Antigens	
			Examinations	Positives	Examinations	Positives
Ohio	2,063	5,109 (j)	112	0	956	14
Okla.	*	*	*	*	*	*
Ore.	*	6,282	432	63	432	0
Pa.	372	433	70	3	77	17
R. I.	*	362	15	0	15	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	2,061	10,075	0	0	2,061	336
Tex.	*	4,974 (k)	0	0	915	71
Utah	2,996	13,250	63	*	63	*
Vt.	1,560	17,520	1,560	18	1,560	58
Va.	7,920	21,417 (l)	0	0	3,393	29
Wash.	3,970	8,185	1,440	*	1,440	*
W. Va.	395	1,034	123	23	123	23
Wisc.	6,114	19,237 (m)	366	*	366	*
Wyo.	551	2,228	336	6	336	6
P. R.	*	1,496	0	0	90	*
V. I.	*	*	*	*	*	*

- (a) Includes 17 examinations for Streptobacillus moniliformis, with no positives.
- (b) Includes both H and O Antigens.
- (c) Includes 45 Streptococcus MG examinations not shown in further breakdown.
- (d) Guinea pig kidney absorption exams performed by Branch Laboratories not included in this total as figures were not available.
- (e) Includes 165 C-reactive protein tests with 31 positives.
- (f) Includes 27 CRP examinations performed in state maintained laboratory in crippled children's hospitals.
- (g) Includes 45 CRPA tests, positives not reported.
- (h) Includes 388 examinations for C-reactive protein with no positives reported, and 604 Rheumatoid arthritis examinations with 97 positives.

- (i) Includes 547 C-reactive protein tests with 117 positives, and 10 miscellaneous tests with 4 positives.
- (j) Includes 52 Typhoid Vi Hemagge tests with 27 positives; 9 Salmonella Group B tests with 0 positives; and 6 Salmonella Group C and E tests with 1 positive.
- (k) Includes 931 miscellaneous agglutinations with 199 positives.
- (l) Includes 47 mono tests with 15 positives.
- (m) Includes 833 experimental tests.

TABLE 1-40. SEROLOGY: BACTERIAL
(Continued)

	Paratyphoid A		Paratyphoid B		Brucella		P. tularensis	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	400	0	400	4
Alaska	157	0	157	0	157	1	157	0
Ariz.	67	1	67	4	176	0	67	1
Ark.	*	*	*	*	*	*	*	*
Cal.	40	0	40	0	438	26	35	0
Colo.	54	18	54	20	75	9	25	6
Conn.	53	18	57	32	255	29	8	1
Del.	46	0	46	0	2	0	40	0
D. C.	*	*	*	*	*	*	*	*
Fla.	0	0	0	0	2,641	12	264	4
Ga.	0	0	0	0	2,201	66	2,094	45
Hawaii	87	0	87	2	68	3	2	0
Ida.	0	0	1,775	9	1,775	10	51	12
Ill.	0	0	0	0	4,153	118	3,958	168
Ind.	66	0	66	0	3,634	29	3,632	48
Ia.	1,327	63	1,328	153	14,857	2,114	138	37
Kans.	0	0	16	3	6,924	80	6,924	136
Ky.	909	2	909	4	916	3	6	4
La.	13	3	13	2	1,788	16	206	16
Me.	387	0	387	0	573	4	1	0
Md.	0	0	0	0	624	15	557	64
Mass.	54	0	1,200	1	1,353	15	32	1
Mich.	739	0	739	19	1,356	13	117	2
Minn.	42	1	1,811	423	5,153	157	459	15
Miss.	0	0	0	0	1,213	17	1,213	7
Mo.	0	0	0	0	553	12	553	47
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	5,293	21	3,829	120	17	3
Nev.	219	*	219	*	219	*	219	*
N. H.	135	20	135	20	135	5	10	0
N. J.	5	0	5	0	11	0	3	0
N. M.	131	*	132	*	707	*	55	*
N. Y.	0	0	0	0	451	44	211	5
N. C.	0	0	0	0	861	4	730	14
N. D.	0	0	0	0	4,470	*	72	*

TABLE 1-40. SEROLOGY: BACTERIAL
(Continued)

	Paratyphoid A		Paratyphoid B		Brucella		P. tularensis	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	54	2	56	4	1,034	11	55	0
Okla.	*	*	*	*	*	*	*	*
Ore.	432	0	432	0	465	2	20	0
Pa.	64	0	63	3	58	1	18	3
R. I.	15	0	15	0	53	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	169	5	169	22	2,061	20	2,061	19
Tex.	0	0	0	0	871	28	877	32
Utah	0	0	63	*	2,996	*	2,996	*
Vt.	1,560	20	1,560	20	1,560	10	10	0
Va.	0	0	1,910	214	4,177	85	3,321	37
Wash.	0	0	0	0	1,441	*	40	*
W. Va.	123	2	123	2	157	1	21	0
Wisc.	412	*	567	*	4,870	*	1,460	*
Wyo.	0	0	312	3	466	1	404	37
P. R.	47	*	47	*	73	*	0	0
V. I.	*	*	*	*	*	*	*	*

TABLE 1-40. SEROLOGY: BACTERIAL
(Continued)

	OX-19		Weil Felix		OX-K	
	Examinations	Positives	OX-2		Examinations	Positives
			Examinations	Positives		
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Ariz.	46	2	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	0	0	0	0	0	0
Colo.	52	6	52	1	0	0
Conn.	0	0	0	0	0	0
Del.	5	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	264	2	0	0	0	0
Ga.	2,171	41	0	0	0	0
Hawaii	43	0	0	0	0	0
Ida.	0	0	0	0	0	0
Ill.	3,250	33	113	6	52	4
Ind.	2,023	58	30	7	29	1
Ia.	51	9	51	0	51	0
Kans.	25	2	0	0	0	0
Ky.	915	1	6	1	6	1
La.	1,668	11	0	0	0	0
Me.	1	0	1	0	1	0
Md.	927	348	71	38	0	0
Mass.	37	2	37	0	37	0
Mich.	0	0	0	0	0	0
Minn.	310	48	310	40	0	0
Miss.	37	4	0	0	0	0
Mo.	256	4	256	0	256	0
Mont.	*	*	*	*	*	*
Nebr.	5	0	0	0	0	0
Nev.	219	*	219	*	219	*
N. H.	5	2	5	2	5	2
N. J.	29	6	29	2	29	0
N. M.	87	*	87	*	87	*
N. Y.	247	28	5	0	4	2
N. C.	719	9	719	3	20	0
N. D.	10	*	10	*	10	*

TABLE 1-40. SEROLOGY: BACTERIAL
(Continued)

	OX-19		Weil Felix OX-2		OX-K	
	Examinations	Positives	Examinations	Positives	Examinations	Positives
Ohio	131	14	81	10	77	1
Okla.	*	*	*	*	*	*
Ore.	15	0	15	0	0	0
Pa.	22	16	0	0	0	0
R. I.	4	0	4	0	4	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	2,061	18	0	0	0	0
Tex.	933	22	0	0	0	0
Utah	1,784	*	0	0	0	0
Vt.	1,560	20	1,560	10	1,560	0
Va.	3,218	99	110	16	0	0
Wash.	26	*	0	0	0	0
W. Va.	137	14	6	0	4	0
Wisc.	46	*	46	*	46	*
Wyo.	39	0	0	0	0	0
P. R.	72	*	0	0	0	0
V. I.	*	*	*	*	*	*

TABLE 1-40. SEROLOGY: BACTERIAL
(Continued)

	INFECTIOUS MONONUCLEOSIS							
	Sheep Cell Agglutination		Absorption		Ox Cell Hemolysin		Beef cell Absorption	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0	0	0
Alaska	83	18	83	19	83	15	83	17
Ariz.	0	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	164	14 (a)	*	*	0	0	*	*
Colo.	121	120	121	71	0	0	0	0
Conn.	7,219	5,082	5,082	2,033	572	220	0	0
Del.	31	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	2,641	247	0	0	0	0	0	0
Ga.	5,332	732	1,064	0	0	0	0	0
Hawaii	344	54	6	3	0	0	6	0
Ida.	1,346	9	139 (b)	97 (b)	0	0	(b)	(b)
Ill.	11,302	600 (c)	600 (c)	1,204	0	0	0	0
Ind.	2,781	102	2,781	102	0	0	0	0
Ia.	4,149	799	799	799	0	0	799	799
Kans.	3,736	356	237	202	467	101	237	202
Ky.	228	40	40	37	0	0	40	0
La.	917	412	0	0	0	0	0	0
Me.	1,230	654	654	386	0	0	0	0
Md.	0	0	922	321	0	0	1,771	883
Mass.	4,730	1,188	13	13	0	0	13	0
Mich.	3,429	642	56	0	0	0	56	0
Minn.	13,329	3,525	0	0	0	0	0	0
Miss.	849	36	0	0	0	0	0	0
Mo.	349	46	32	27	0	0	0	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	3,816	715	191	191	0	0	0	0
Nev.	4	*	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	2,796	441	441	258	0	0	441	0
N. M.	0	0	0	0	195	*	0	0
N. Y.	1,803	555	555	0	0	0	0	0
N. C.	2,185	461	0	0	0	0	0	0
N. D.	4,859	*	288	*	0	0	0	0

TABLE 1-40. SEROLOGY: BACTERIAL
(Continued)

	Sheep Cell		INFECTIOUS MONONUCLEOSIS				Beef cell	
	Agglutination		Absorption		Ox Cell Hemolysin		Absorption	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	1,561	543	467	300	209	161	0	0
Okla.	*	*	*	*	*	*	*	*
Ore.	2,467	675	675	450	0	0	0	0
Pa.	53	4	4	0	0	0	4	0
R. I.	237	32	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	1,038	104	104	104	0	0	0	0
Tex.	100	26	26	20	0	0	26	20
Utah	4,234	*	284	*	0	0	284	0
Vt.	2,280	340	0	0	2,000	200	0	0
Va.	3,321	774	744	588	468	124	635	0
Wash.	1,063	*	0	0	0	0	0	0
W. Va.	105	20	20	20	0	0	0	0
Wisc.	3,098	*	786 (d)	*	(d)	*	(d)	*
Wyo.	323	6	12	0	0	0	0	0
P. R.	192	*	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

- (a) Positives from all tests for Infectious Mononucleosis.
- (b) Guinea pig kidney and beef cell absorption grouped together as heterophile confirmatory.
- (c) Central laboratory figures only. Figures for branch laboratories not available.
- (d) Guinea pig kidney absorption, beef cell absorption, and ox cell hemolysin combined into one total.

TABLE 1-40. SEROLOGY: BACTERIAL
(Continued)

	Eaton Agent (Cold Agglutination)		Leptospiral		Antistreptolysin O	
	Examinations	Positives	Examinations	Positives	Examinations	Positives
Ala.	0	0	40	2	0	0
Alaska	0	0	0	0	145	44
Ariz.	0	0	0	0	32	0
Ark.	*	*	*	*	*	*
Cal.	0	0	277	7	0	0
Colo.	1	1	0	0	314	210
Conn.	1,626	366	0	0	0	0
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	0	0	628	18	0	0
Ga.	44	4	126	7	0	0
Hawaii	4	0	0	0	0	0
Ida.	0	0	157	5	0	0
Ill.	38	1	89	4	0	0
Ind.	0	0	192	0	0	0
Ia.	0	0	2,229	37	165	65
Kans.	0	0	71	2	189	*
Ky.	0	0	0	0	0	0
La.	0	0	88	6	22	*
Me.	0	0	3	1	0	0
Md.	54	0	148	10	2,272	0
Mass.	446	20	0	0	0	0
Mich.	0	0	87	0	0	0
Minn.	2,129	247	0	0	365	*
Miss.	0	0	75	4	0	0
Mo.	0	0	36	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	0	0	19	0	0	0
Nev.	0	0	0	0	104	18
N. H.	0	0	0	0	0	0
N. J.	107	9	435	2	361	0
N. M.	0	0	*	*	231	*
N. Y.	0	0	337	13	369	0
N. C.	10	4	150	4	1,103	804
N. D.	44	*	0	0	2,709	*

TABLE 1-40. SEROLOGY: BACTERIAL
(Continued)

	Eaton Agent (Cold Agglutination)		Leptospiral		Antistreptolysin O	
	Examinations	Positives	Examinations	Positives	Examinations	Positives
Ohio	50	20	199	14	0	0
Okla.	*	*	*	*	*	*
Ore.	0	0	897	4	0	0
Pa.	0	0	0	0	0	0
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	232	31	119	19	0	0
Tex.	0	0	199	50	96	58
Utah	118	*	23	*	342	*
Vt.	0	0	750	10	0	0
Va.	0	0	73	0	0	0
Wash.	0	0	383	*	2,352	*
W. Va.	0	0	0	0	92	50
Wisc.	750	*	1,023	*	4,568	*
Wyo.	0	0	0	0	0	0
P. R.	0	0	18	*	957	*
V. I.	*	*	*	*	*	*

TABLE 1-41. SEROLOGY: FUNGAL

	Total Specimens	Total Examinations	Total Positives
Ala.	*	3,248	59
Alaska	0	0	0
Ariz.	3,628	7,211	618
Ark.	*	*	*
Cal.	2,246	6,738	822
Colo.	0	0	0
Conn.	0	0	0
Del.	0	0	0
D. C.	*	*	*
Fla.	0	0	0
Ga.	572	2,288	58
Hawaii	0	0	0
Ida.	0	0	0
Ill.	2,584	7,372	700
Ind.	2,604	4,027	575
Ia.	991	3,964	571
Kans.	92	368	15
Ky.	2,618	6,368	575
La.	*	2,243	231
Me.	0	0	0
Md.	1,361	1,359	691
Mass.	(a)	0	0
Mich.	1,468	5,872	470
Minn.	5,849	4,861	988
Miss.	3,320	5,059	701
Mo.	2,106	4,212	485
Mont.	*	*	*
Nebr.	(a)	0	0
Nev.	0	0	0
N. H.	0	0	0
N. J.	0	0	0
N. M.	0	0	0
N. Y.	1,516	2,538	324
N. C.	209	836	6
N. D.	0	0	0

TABLE 1-41. SEROLOGY: FUNGAL

	Total Specimens	Total Examinations	Total Positives
Ohio	2,004	4,858	1,424
Okla.	*	*	*
Ore.	0	0	0
Pa.	0	0	0
R. I.	0	0	0
S. C.	0	0	0
S. D.	*	*	*
Tenn.	3,286	6,256	554
Tex.	*	11,210	802
Utah	0	0	0
Vt.	84	126	7
Va.	1,296	2,329	180
Wash.	0	0	0
W. Va.	0	0	0
Wisc.	676	733	*
Wyo.	0	0	0
P. R.	*	2	*
V. I.	*	*	*

(a) Fungal specimens referred to the Communicable Disease Center.

TABLE 1-41. SEROLOGY: FUNGAL
(Continued)

	BLASTOMYCOSIS (a)			
	CF Yeast		CF Blastomycin	
	Exams	Positives	Exams	Positives
Ala.	812	4	0	0
Alaska	0	0	0	0
Ariz.	0	0	0	0
Ark.	*	*	*	*
Cal.	0	0	0	0
Colo.	0	0	0	0
Conn.	0	0	0	0
Del.	0	0	0	0
D. C.	*	*	*	*
Fla.	0	0	0	0
Ga.	0	0	572	15
Hawaii	0	0	0	0
Ida.	0	0	0	0
Ill.	1,128	128	0	0
Ind.	1,302	70	0	0
Ia.	0	0	991	166
Kans.	92	7	0	0
Ky.	1,561	78	0	0
La.	446	72	446	72
Me.	0	0	0	0
Md.	0	0	0	0
Mass.	0	0	0	0
Mich.	0	0	1,468	93
Minn.	0	0	984	187
Miss.	0	0	1,660	244
Mo.	1,053	133	0	0
Mont.	*	*	*	*
Nebr.	0	0	0	0
Nev.	0	0	0	0
N. H.	0	0	0	0
N. J.	0	0	0	0
N. M.	0	0	0	0
N. Y.	1,022	0	0	0
N. C.	205	2	205	1
N. D.	0	0	0	0

TABLE 1-41. SEROLOGY: FUNGAL
(Continued)

	CF Yeast		BLASTOMYCOSIS (a)		CF Blastomycin	
	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	425	54			0	0
Okla.	*	*			*	*
Ore.	0	0			0	0
Pa.	0	0			0	0
R. I.	0	0			0	0
S. C.	0	0			0	0
S. D.	*	*			*	*
Tenn.	0	0			0	0
Tex.	2,802	397			0	0
Utah	0	0			0	0
Vt.	0	0			0	0
Va.	648	66			0	0
Wash:	0	0			0	0
W. Va.	0	0			0	0
Wisc.	301	*			0	0
Wyo.	0	0			0	0
P. R.	0	0			0	0
V. I.	*	*			*	*

(a) No state reported use of agargel precipitation examinations.

TABLE 1-41. SEROLOGY: FUNGAL
(Continued)

	COCCIDIOIDOMYCOSIS:		HISTOPLASMOSIS:			
	CF		CF Yeast		CF Histoplasmin	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	812	1	812	26	812	28
Alaska	0	0	0	0	0	0
Ariz.	3,658 (a)	469	10	0	10	0
Ark.	*	*	*	*	*	*
Cal.	2,246	356	2,246	187	2,246	279
Colo.	0	0	0	0	0	0
Conn.	0	0	0	0	0	0
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	0	0	0	0	0	0
Ga.	572	5	572	23	572	15
Hawaii	0	0	0	0	0	0
Ida.	0	0	0	0	0	0
Ill.	1,076	11	2,584	398	2,584	163
Ind.	121	0	1,302	486	1,302	19
Ia.	991	33	991	228	991	144
Kans.	92	0	92	2	92	6
Ky.	1,370	17	1,852	336	1,585	144
La.	451	7	450	40	450	40
Me.	0	0	0	0	0	0
Md.	0	0	954	672	405	19
Mass.	0	0	0	0	0	0
Mich.	1,468	19	1,468	242	1,468	116
Minn.	1,033	70	1,422	401	1,422	330
Miss.	79	2	1,660	455 (b)	1,660	(b)
Mo.	1,053	11	1,053	249	1,053	92
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	0	0	0	0	0	0
N. M.	0	0	0	0	0	0
N. Y.	0	0	1,022 (c)	314	0	0
N. C.	16	0	205	1	205	2
N. D.	0	0	0	0	0	0

TABLE 1-41. SEROLOGY: FUNGAL
(Continued)

	COCCIDIOIDOMYCOSIS:		HISTOPLASMOSIS:			
	CF		CF Yeast		CF Histoplasmin	
	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	425	54	2,004	885	2,004	431
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	3,286 (d)	554
Tex.	2,803	104	2,803	155	2,803	146
Utah	0	0	0	0	0	0
Vt.	42	0	42	4	42	3
Va.	629	1	527	70	525	43
Wash.	0	0	0	0	0	0
W. Va.	0	0	0	0	0	0
Wisc.	432	*	0	0	0	0
Wyo.	0	0	0	0	0	0
P. R.	0	0	0 (e)	0	0	0
V. I.	*	*	*	*	*	*

- (a) Arizona also used Tube Precipitation for 3,533 examinations, and reported 149 positives. No other state reported examinations by this method and none reported use of agargel precipitation.
- (b) Includes CF histoplasmin positives.
- (c) New York also reported 494 exams for cryptococcus with 10 positives.
- (d) In addition, Tennessee reported 2,970 FA Inhibition with no positives.
- (e) Reported two examinations by agglutination with positives not reported.

TABLE 1-42. SEROLOGY: PARASITOLOGICAL

	Specimens	Exams	Bentonite Flocculation		TRICHINOSIS Latex		Cholesterol Flocculation	
			Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	141 (a)	157	0	0	157	14	0	0
Colo.	0	0	0	0	0	0	0	0
Conn.	173	133	0	0	0	0	58	11
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	0	0	0	0	0	0	0	0
Ga.	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0
Ida.	0	0	0	0	0	0	0	0
Ill.	*	953	0	0	0	0	0	0
Ind.	31	65 (b)	0	0	0	0	31	4
Ia.	118	172	0	0	0	0	172	55
Kans.	0	0	0	0	0	0	0	0
Ky.	0	0	0	0	0	0	0	0
La.	*	52	0	0	0	0	0	0
Me.	2	2	0	0	2	1	0	0
Md.	*	260	0	0	98	12	0	0
Mass.	(c)	0	0	0	0	0	0	0
Mich.	0	0	0	0	0	0	0	0
Minn.	946	1,413	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0	0
Mo.	(c)	0	0	0	0	0	0	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	(c)	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	*	219	0	0	0	0	219	29
N. M.	0	0	0	0	0	0	0	0
N. Y.	*	727	0	0	272 (d)	49 (d)	(d)	(d)
N. C.	316	606	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0	0

TABLE 1-42. SEROLOGY: PARASITOLOGICAL

	Specimens	Exams	TRICHINOSIS					
			Bentonite Flocculation		Latex		Cholesterol Flocculation	
			Exams	Positives	Exams	Positives	Exams	Positives
Ohio	226	226	0	0	0	0	226 (e)	52 (e)
Okla.	*	*	*	*	*	*	*	*
Ore.	*	52	22	6	0	0	0	0
Pa.	0	0	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0	0
Tex.	*	888	0	0	61	7	0	0
Utah	67	67	0	0	0	0	0	0
Vt.	0	0	0	0	0	0	0	0
Va.	162	162	55	0	0	0	0	0
Wash.	*	54	0	0	0	0	31	*
W. Va.	0	0	0	0	0	0	0	0
Wisc.	2,595	2,344	0	0	0	0	0	0
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

- (a) Specimens forwarded to the Communicable Disease Center except Trichinosis tests.
- (b) Indiana reported one Bentonite flocculation examination with no positive for Echinococcosis; and four Cholesterol-lecithin flocculation examinations for Schistosomiasis with no positives. No other state reported examinations for Echinococcosis or Schistosomiasis.
- (c) Parasitological specimens sent to the Communicable Disease Center.
- (d) Latex and CF reported together.
- (e) Reported as SK.

TABLE 1-42. SEROLOGY: PARASITOLOGICAL
(Continued)

	Dye Test		TOXOPLASMOSIS	
	Examinations	Positives	Examinations	Positives
Ala.	0	0	0	0
Alaska	0	0	0	0
Ariz.	0	0	0	0
Ark.	*	*	*	*
Cal.	0	0	0	0
Colo.	0	0	0	0
Conn.	0	0	75	24
Del.	0	0	0	0
D. C.	*	*	*	*
Fla.	0	0	0	0
Ga.	0	0	0	0
Hawaii	0	0	0	0
Ida.	0	0	0	0
Ill.	953	399	0	0
Ind.	29	3	0	0
Ia.	0	0	0	0
Kans.	0	0	0	0
Ky.	0	0	0	0
La.	0	0	52	20
Me.	0	0	0	0
Md.	162	0	0	0
Mass.	0	0	0	0
Mich.	0	0	0	0
Minn.	946 (a)	259	0	0
Miss.	0	0	0	0
Mo.	0	0	0	0
Mont.	*	*	*	*
Nebr.	0	0	0	0
Nev.	0	0	0	0
N. H.	0	0	0	0
N. J.	0	0	0	0
N. M.	0	0	0	0
N. Y.	0	0	455	35
N. C.	0 (b)	0	0	0
N. D.	0	0	0	0

TABLE 1-42. SEROLOGY: PARASITOLOGICAL
(Continued)

	TOXOPLASMOSIS			
	Dye Test		FA Inhibitions	
	Examinations	Positives	Examinations	Positives
Ohio	0	0	0	0
Okla.	*	*	*	*
Ore.	30	2	0	0
Pa.	0	0	0	0
R. I.	0	0	0	0
S. C.	0	0	0	0
S. D.	*	*	*	*
Tenn.	0	0	0	0
Tex.	790	320	8 (c)	6
Utah	0	0	67	*
Vt.	0	0	0	0
Va.	0	0	107	18
Wash.	0	0	23	4
W. Va.	0	0	0	0
Wisc.	636	*	1,708	*
Wyo.	0	0	0	0
P. R.	0	0	0	0
V. I.	*	*	*	*

(a) In addition, there were 467 CF tests with 51 positives.

(b) Other examinations used: 305 CF, 53 positives, and 301 HA with 84 positives.

(c) In addition to these examinations, there were 29 CF tests, with 23 positives.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL

	Specimens	Exams	COMPLEMENT FIXATION			
			Influenza A		Influenza B	
			Exams	Positives	Exams	Positives
Ala.	*	2,668	50	0	50	5
Alaska	0	0	0	0	0	0
Ariz.	1,673	4,805	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	850	1,734	101	10	101	12
Conn.	1,702	24,813	1,626	1,404	1,626	1,349
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	1,519	*	*	48	*	3
Ga.	1,711	2,798	179	20	179	13
Hawaiif	*	1,870	53	0	53	1
Ida.	*	4,638	594	4	594	0
Ill.	3,926	22,107	628	24	598	0
Ind.	619	2,869	81	3	81	0
Ia.	758	5,669	25	15	28	22
Kans.	1,596	3,143	108	55	106	20
Ky.	1,917	3,389	204	1	205	2
La.	*	498	34 (a)	12 (a)	(a)	(a)
Me.	0	0	0	0	0	0
Md.	23,120	5,473	175	*	59	*
Mass.	846	5,352	450	23	450	0
Mich.	*	7,453	592	1	590	0
Minn.	4,173	12,552	1,070	7	1,067	1
Miss.	0	0	0	0	0	0
Mo.	*	1,444	2	0	2	0
Mont.	*	*	*	*	*	*
Nebr.	16	63	16	1	16	3
Nev.	0	0	0	0	0	0
N. H.	3,097	9,291	0	0	0	0
N. J.	*	58,870	535	111	535	2
N. M.	*	887	2	0	2	0
N. Y.	34,798	*	*	29	*	7
N. C.	699	1,417 (b)	85	1	82	0
N. D.	390	2,500	260	*	260	*

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL

	Specimens	Exams	COMPLEMENT FIXATION			
			Influenza A		Influenza B	
			Exams	Positives	Exams	Positives
Ohio	2,437	8,672 (c)	721	302	708	0
Okla.	*	*	*	*	*	*
Ore.	*	4,903	453	17	419	7
Pa.	*	59,285	5,303	15	4,317	12
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	2,500	4,185	301	2	301	2
Tex.	*	5,993	218	25	218	8
Utah	*	6,532	42	*	42	*
Vt.	*	983	0	0	0	0
Va.	*	1,184	105	63	105	24
Wash.	*	3,482 (d)	570	415	560	314
W. Va.	520	520	0	0	0	0
Wisc.	12,235	2,394	107	*	115	*
Wyo.	0	0	0	0	0	0
P. R.	0	10,656	0	0	0	0
V. I.	*	*	*	*	*	*

(a) Influenza A and B combined.

(b) Includes 49 other complement fixations not broken down further.

(c) Includes 53 LGV examinations with 16 positives not shown in further breakdown.

(d) Includes 48 Parainfluenza II examinations with no positives not shown in further breakdown.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION							
	Respiratory Syncytial		Adenoviruses		Psittacosis		Mycoplasma Pneumoniae	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	50	0	50	0	50	0	50	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	0	0	0	0	155	4	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	0	0	70	4	45	6	0	0
Conn.	1,626	1,169	1,626	1,253	1,640	33	0	0
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	*	0	*	0	*	3	*	4
Ga.	152	4	167	20	362	77	22	1
Hawaii	0	0	152	3	7	0	0	0
Ida.	194	1	594	51	63	1	0	0
Ill.	610	8	2,316	46	2,592	49	608	4
Ind.	0	0	92	0	94	0	0	0
Ia.	5	1	4	2	426 (a)	39 (a)	0	0
Kans.	0	0	34	17	26	4	0	0
Ky.	0	0	216	3	214	0	0	0
La.	0	0	4	2	5	0	0	0
Me.	0	0	0	0	0	0	0	0
Md.	57	*	58	*	106	*	55	*
Mass.	20	3	460	7	430	6	0	0
Mich.	229	9	750	19	133	3	243	5
Minn.	8	0	1,067	314	2,136	172	6	0
Miss.	0	0	0	0	0	0	0	0
Mo.	0	0	4	0	22	3	0	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	7	1	2	2	113	14	0	0
N. M.	0	0	0	0	28	0	0	0
N. Y.	*	5	*	12	*	7	0	0
N. C.	0	0	42	0	126	1	0	0
N. D.	0	0	0	0	0	0	130	*

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION							
	Respiratory Syncytial		Adenoviruses		Psittacosis		Mycoplasma Pneumoniae	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	508	62	567	210	561	36	91	5
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	378	21	387	9	0	0
Pa.	2,389	4	4,796	18	491	6	915	10
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	82	0	182	0	299	7	0	0
Tex.	0	0	141	5	271	74	0	0
Utah	0	0	52	*	58	*	0	0
Vt.	0	0	10	0	10	0	0	0
Va.	12	4	108	31	71	23	0	0
Wash.	0	0	567	423	68	4	76	21
W. Va.	0	0	0	0	7	0	0	0
Wisc.	177	*	109	*	35	*	1	*
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

(a) Includes Q fever.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Polio I		COMPLEMENT FIXATION Polio II		Polio III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	100	1	100	0	100	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	20	1	20	1	20	2
Conn.	22	16	22	10	22	16
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	*	0	*	0	*	1
Ga.	73	2	73	2	73	9
Hawaii	82	0	82	0	72	0
Ida.	85	3	85	0	85	0
Ill.	1,038	5	987	2	1,006	2
Ind.	237	0	237	0	238	2
Ia.	0	0	0	0	0	0
Kans.	22	9	22	11	22	16
Ky.	159	0	159	0	159	3
La.	29 (a)	0 (a)	(a)	0	(a)	0
Me.	0	0	0	0	0	0
Md.	13	*	13	*	11	*
Mass.	76	0	76	0	76	0
Mich.	475	5	473	0	473	0
Minn.	0	0	0	0	0	0
Miss.	0	0	0	0	0	0
Mo.	74	0	74	0	74	0
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	3,097	476	3,097	704	3,097	827
N. J.	590	4	590	6	590	4
N. M.	10	0	20	0	20	0
N. Y.	*	1	*	1	0	0
N. C.	121	0	121	0	121	0
N. D.	30	*	30	*	30	*

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Polio I		COMPLEMENT FIXATION Polio II		Polio III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	252	24	252	14	257	35
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0
Tex.	88	7	88	0	88	3
Utah	0	0	0	0	0	0
Vt.	13	0	13	0	13	0
Va.	51	0	51	0	51	0
Wash.	2	0	2	0	2	0
W. Va.	23	1	23	1	23	1
Wisc.	0	0	0	0	0	0
Wyo.	0	0	0	0	0	0
P. R.	0	0	0	0	0	0
V. I.	*	*	*	*	*	*

(a) Polio I, II, and III were combined.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION							
	ECHO		LCM		WEE		EEE	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	100	0	100	0	200	0	200	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	0	0	0	0	12	0	12	0
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	0	0	28	0	387	106	11	0
Conn.	0	0	1,521	2	1,521	5	1,521	5
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	0	0	*	0	*	1	*	3
Ga.	0	0	126	2	158	2	158	7
Hawaii	54	0	3	0	102	0	0	0
Ida.	140	0	2	0	52	0	0	0
Ill.	0	0	499	0	542	0	537	0
Ind.	0	0	153	0	191	1	189	0
Ia.	0	0	227	8	658	0	658	79
Kans.	0	0	103	8	1,158	177	0	0
Ky.	280	0	8	0	272	0	285	0
La.	0	0	0	0	153 (a)	6 (a)	(a)	(a)
Me.	0	0	0	0	0	0	0	0
Md.	48	*	54	*	54	*	54	*
Mass.	0	0	320	0	246	0	246	0
Mich.	972	3	113	3	37	0	32	0
Minn.	0	0	902	25	1,088	4	0	0
Miss.	0	0	0	0	0	0	0	0
Mo.	0	0	40	0	261	39	262	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	14	0	14	3	14	0
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	2	1	9	0	359	0	295	37
N. M.	0	0	2	0	139	4	128	0
N. Y.	*	2	0	0	0	0	0	0
N. C.	0	0	26	0	58	0	60	0
N. D.	0	0	250	0	250	0	250	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION							
	ECHO		LCM		WEE		EEE	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	0	0	306	2	364	0	357	0
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	313	1	329	11	0	0
Pa.	0	0	1,013	0	1,110	0	1,136	0
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	192	0	290	0	290	1
Tex.	0	0	8	0	290	33	290	0
Utah	0	0	6	*	58	*	0	0
Vt.	0	0	13	0	0	0	13	0
Va.	0	0	40	0	26	0	44	2
Wash.	0	0	8	1	52	5	0	0
W. Va.	0	0	62	0	62	0	62	0
Wisc.	0	0	140	*	147	*	147	*
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

(a) WEE, EEE, and St. Louis combined.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION									
	St. Louis		Other Encephalitis		Mumps		Rubeola		Rubella	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	200	0	0	0	400	15	0	0	0	0
Alaska	0	0	0	0	0	0	0	0	0	0
Ariz.	12	0	0	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*	*
Colo.	387	20	74	19	31	5	0	0	0	0
Conn.	1,521	0	0	0	1,530	1,419	36	21	0	0
Del.	0	0	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*	*	*
Fla.	*	0	*	0	*	34	*	1	0	0
Ga.	155	0	0	0	236	18	17	0	0	0
Hawaii	102	0	0	0	166	7	225	19	0	0
Ida.	52	0	0	0	69	4	32	1	0	0
Ill.	572	1	0	0	1,759	38	139	9	0	0
Ind.	193	0	46	5	247	4	4	4	8	0
Ia.	658	0	18	3	441	161	0	0	0	0
Kans.	1,120	40	0	0	156	70	0	0	0	0
Ky.	421	10	0	0	440	23	14	0	0	0
La.	(a)	(a)	0	0	46	20	0	0	0	0
Me.	0	0	0	0	0	0	0	0	0	0
Md.	52	*	0	0	91	*	32	*	0	0
Mass.	200	0	0	0	386	9	0	0	0	0
Mich.	34	0	0	0	703	61	199	0	0	0
Minn.	0	0	0	0	998	64	0	0	0	0
Miss.	0	0	0	0	0	0	0	0	0	0
Mo.	75	1	0	0	44	4	9	2	0	0
Mont.	*	*	*	*	*	*	*	*	*	*
Nebr.	14	1	0	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0	0	0
N. J.	9,497	396	0	0	683	70	13	0	0	0
N. M.	126	0	0	0	55	12	55	3	0	0
N. Y.	*	1	0	0	*	15	*	10	0	0
N. C.	46	0	0	0	94	5	19	0	0	0
N. D.	250	0	0	0	250	0	0	0	0	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION									
	St. Louis		Other Encephalitis		Mumps		Rubeola		Rubella	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	365	0	0	0	468(b)	360(b)	54	23	0	0
Okla.	*	*	*	*	*	*	*	*	*	*
Ore.	332	5	0	0	313	48	117	1	0	0
Pa.	12,405	6	161	0	1,990	9	459	1	0	0
R. I.	0	0	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*	*	*
Tenn.	290	0	0	0	739	29	0	0	0	0
Tex.	290	44	1	0	392	52	0	0	24	2
Utah	13	*	0	0	37	*	0	0	81	*
Vt.	0	0	0	0	15	0	0	0	0	0
Va.	47	0	0	0	123	39	38	12	0	0
Wash.	57	2	0	0	280	187	186	1	0	0
W. Va.	62	0	0	0	71	4	0	0	0	0
Wisc.	147	*	77	*	159	*	0	0	0	0
Wyo.	0	0	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*	*	*

(a) WEE, EEE, and St. Louis combined and shown under WEE.

(b) Viral and soluble.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION							
	Herpes Simplex		Vaccinia		RMSF		Rickettsialpox	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	400	0	0	0	0	0	112	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	23	5	0	0	71	1	5	0
Conn.	1,521	1,124	0	0	1,337	0	1,337	0
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	*	1	0	0	*	1	*	0
Ga.	283	100	0	0	0	0	128	12
Hawaii	98	2	2	0	0	0	26	0
Ida.	411	19	2	0	99	2	10	0
Ill.	1,489	39	0	0	75	10	75	10
Ind.	207	2	8	0	7	1	7	0
Ia.	3	1	0	0	55	6	34	2
Kans.	6	2	0	0	12	1	0	0
Ky.	72	2	0	0	40	0	24	1
La.	2	0	0	0	0	0	0	0
Me.	0	0	0	0	0	0	0	0
Md.	43	*	23	*	77	*	14	*
Mass.	338	4	4	0	0	0	0	0
Mich.	640	26	0	0	29	1	40	2
Minn.	954	193	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0	0
Mo.	6	0	0	0	0	0	0	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	579	62	0	0	80	10	66	0
N. M.	47	0	0	0	29	1	25	1
N. Y.	*	15	*	1	*	3	0	0
N. C.	33	0	0	0	170	9	0	0
N. D.	0	0	0	0	20	*	20	*

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION							
	Herpes Simplex		Vaccinia		RMSF		Rickettsialpox	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	355	148	7	1	88	18	81	15
Okla.	*	*	*	*	*	*	*	*
Ore.	98	6	0	0	0	0	0	0
Pa.	2,523	3	44	0	741	0	468	0
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	56	0	0	0	221	15	0	0
Tex.	55	5	0	0	117	9	101	0
Utah	0	0	0	0	2	*	2	*
Vt.	13	0	0	0	0	0	0	0
Va.	52	25	3	2	87	11	5	0
Wash.	31	12	0	0	18	2	6	0
W. Va.	0	0	0	0	0	0	0	0
Wisc.	26	*	0	0	12	*	29	*
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION					
	Epidemic Typhus		Murine Typhus		Q Fever	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	112	0	112	0	112	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	60	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	0	0	0	0	26	1
Conn.	1,337	11	8	6	1,626	20
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	*	0	*	0	*	1
Ga.	0	0	122	2	6	0
Hawaii	0	0	264	24	45	1
Ida.	0	0	4	0	594	15
Ill.	72	1	72	1	971	0
Ind.	8	0	5	0	66	0
Ia.	12	0	11	0	(a)	(a)
Kans.	8	0	0	0	211	14
Ky.	0	0	34	0	183	0
La.	0	0	219	8	2	0
Me.	0	0	0	0	0	0
Md.	15	*	0	0	2,513	*
Mass.	0	0	0	0	448	1
Mich.	0	0	0	0	43	0
Minn.	0	0	0	0	96	6
Miss.	0	0	0	0	0	0
Mo.	2	0	0	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	2	0	2	0	3	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	0	0	0	0	60	0
N. M.	0	0	0	0	58	1
N. Y.	0	0	0	0	0	0
N. C.	0	0	35	0	5	0
N. D.	10	*	10	*	10	*

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION					
	Epidemic Typhus		Murine Typhus		Q Fever	
	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	0	0	76	0	555	14
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	11	0
Pa.	0	0	41	0	184	1
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	206	1	232	0
Tex.	0	0	234	39	144	15
Utah	0	0	0	0	74	*
Vt.	0	0	0	0	750	10
Va.	0	0	12	0	4	0
Wash.	0	0	0	0	55	0
W. Va.	0	0	0	0	0	0
Wisc.	0	0	0	0	0	0
Wyo.	0	0	0	0	0	0
P. R.	0	0	0	0	0	0
V. I.	*	*	*	*	*	*

(a) Included with Psittacosis--LGV.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutination and/or Hemadsorption Inhibitions					
	Influenza A		Influenza B		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	101	14	101	17	0	0
Conn.	352	153	176	172	29 (a)	24
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	*	48	*	0	0	0
Ga.	0	0	0	0	0	0
Hawaii	37	0	53	6	0	0
Ida.	0	0	0	0	0	0
Ill.	0	0	0	0	0	0
Ind.	8	0	8	0	0	0
Ia.	50	14	50	23	0	0
Kans.	0	0	0	0	0	0
Ky.	0	0	0	0	0	0
La.	0	0	0	0	0	0
Me.	0	0	0	0	0	0
Md.	9	*	6	*	0	0
Mass.	0	0	0	0	0	0
Mich.	0	0	0	0	0	0
Minn.	0	0	0	0	0	0
Miss.	0	0	0	0	0	0
Mo.	90	38	90	0	43 (b)	1
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	708	157	708	2	0	0
N. M.	39	3	39	0	0	0
N. Y.	*	*	*	*	*	*
N. C.	62	0	62	1	0	0
N. D.	220	*	220	*	0	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutination and/or Hemadsorption Inhibitions					
	Influenza A		Influenza B		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	0	0	0	0	0	0
Okla.	*	*	*	*	*	*
Ore.	720	22	451	5	0	0
Pa.	0	0	100	0	0	0
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	123	40	123	2	0	0
Tex.	0	0	0	0	0	0
Utah	358	*	358	*	0	0
Vt.	60	9	60	0	0	0
Va.	34	25	34	32	0	0
Wash	52	0	52	0	0	0
W. Va.	0	0	0	0	0	0
Wisc.	8	*	8	*	0	0
Wyo.	0	0	0	0	0	0
P. R.	0	0	0	0	0	0
V. I.	*	*	*	*	*	*

(a) Psittacosis Group.

(b) Mumps.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutination and/or Hemadsorption Inhibitions					
	Parainfluenza I		Parainfluenza II		Parainfluenza III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	0	0	0	0	0	0
Conn.	0	0	0	0	0	0
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	*	1	*	0	*	2
Ga.	0	0	0	0	0	0
Hawaii	23	0	23	0	23	0
Ida.	194	0	194	0	351	23
Ill.	290	0	296	2	304	0
Ind.	0	0	0	0	0	0
Ia.	0	0	0	0	0	0
Kans.	0	0	0	0	0	0
Ky.	0	0	0	0	0	0
La.	0	0	0	0	0	0
Me.	0	0	0	0	0	0
Md.	0	0	0	0	0	0
Mass.	20	0	20	0	20	0
Mich.	223 (a)	0 (a)	186 (a)	1 (a)	244 (a)	2 (a)
Minn.	0	0	0	0	0	0
Miss.	0	0	0	0	0	0
Mo.	0	0	0	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	0	0	0	0	0	0
N. M.	0	0	0	0	0	0
N. Y.	*	*	*	*	*	*
N. C.	0	0	0	0	0	0
N. D.	0	0	0	0	0	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutination and/or Hemadsorption Inhibitions					
	Parainfluenza I		Parainfluenza II		Parainfluenza III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	542 (a)	18 (a)	542 (a)	97 (a)	542 (a)	165 (a)
Okla.	*	*	*	*	*	*
Ore.	264	0	0	0	318	5
Pa.	2,489 (a)	0 (a)	2,563 (a)	7 (a)	2,649 (a)	6 (a)
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0
Tex.	0	0	0	0	0	0
Utah	0	0	0	0	0	0
Vt.	0	0	0	0	0	0
Va.	14 (a)	0 (a)	14 (a)	1 (a)	14 (a)	1 (a)
Wash.	0	0	0	0	0	0
W. Va.	0	0	0	0	0	0
Wisc.	108	*	0	0	109	*
Wyo.	0	0	0	0	0	0
P. R.	0	0	0	0	0	0
V. I.	*	*	*	*	*	*

(a) Reported as CF.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutininations and/or Hemadsorption Inhibitions							
	WEE		EEE		St. Louis		Other Encephalitis	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	1,518	0	1,518	0	1,518	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	0	0	0	0	0	0	0	0
Conn.	0	0	0	0	0	0	0	0
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	4,062	*	4,062	*	4,062	*	0	0
Ga.	20	0	26	0	20	0	0	0
Hawaii	0	0	0	0	0	0	0	0
Ida.	0	0	0	0	0	0	0	0
Ill.	887	3	887	0	888	25	0	0
Ind.	62	1	62	0	62	0	134	0
Ia.	0	0	16	5	0	0	0	0
Kans.	0	0	0	0	0	0	0	0
Ky.	0	0	0	0	0	0	0	0
La.	0	0	0	0	0	0	0	0
Me.	0	0	0	0	0	0	0	0
Md.	0	0	0	0	0	0	0	0
Mass.	0	0	0	0	0	0	0	0
Mich.	0	0	0	0	0	0	0	0
Minn.	0	0	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0	0
Mo.	86	2	90	0	88	3	0	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	14,277	65	14,277	300	14,277	2,143	0	0
N. M.	61	55	0	0	0	0	0	0
N. Y.	*	*	*	*	*	*	*	*
N. C.	0	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutinations and/or Hemadsorption Inhibitions							
	WEE		EEE		St. Louis		Other Encephalitis	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	0	0	0	0	0	0	0	0
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0	0
Pa.	3,298	0	3,175	0	4,525	0	0	0
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0	0
Tex.	976	51	976	0	976	54	6	0
Utah	0	0	0	0	0	0	0	0
Vt.	0	0	0	0	0	0	0	0
Va.	0	0	18	8	18	0	0	0
Wash.	115	11	0	0	115	7	0	0
W. Va.	0	0	0	0	0	0	0	0
Wisc.	0	0	0	0	0	0	249	*
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutinations and/or Hemadsorption Inhibitions							
	California Group		Colorado		ECHO Virus		Adenovirus	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	0	0	74	19	0	0	0	0
Conn.	0	0	0	0	0	0	0	0
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	*	0	0	0	*	0	*	0
Ga.	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0
Ida.	0	0	99	1	0	0	0	0
Ill.	0	0	0	0	0	0	0	0
Ind.	42	5	0	0	0	0	92	0
Ia.	6	0	0	0	0	0	0	0
Kans.	0	0	0	0	0	0	0	0
Ky.	0	0	0	0	0	0	0	0
La.	0	0	0	0	0	0	4	2
Me.	0	0	0	0	0	0	0	0
Md.	0	0	0	0	0	0	0	0
Mass.	0	0	0	0	0	0	460	7
Mich.	0	0	0	0	0	0	0	0
Minn.	0	0	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0	0
Mo.	0	0	0	0	0	0	4	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	0	0	0	0	0	0	0	0
N. M.	0	0	0	0	2	1	0	0
N. Y.	*	*	*	*	*	*	*	*
N. C.	0	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutinations and/or Hemadsorption Inhibitions							
	California Group		Colorado		ECHO Virus		Adenovirus	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	0	0	0	0	0	0	0	0
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0	0
Tex.	0	0	1	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0
Vt.	0	0	0	0	0	0	0	0
Va.	0	0	0	0	0	0	0	0
Wash.	0	0	0	0	0	0	0	0
W. Va.	0	0	0	0	0	0	0	0
Wisc.	0	0	0	0	2	*	0	0
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*	*

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Neutralization: TC-Tube					
	Polio I		Polio II		Polio III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	0	0	0	0	0	0
Conn.	17	13	17	8	19	8
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	0	0	0	0	0	0
Ga.	6	0	6	0	6	0
Hawaii	2	0	2	0	2	0
Ida.	11	2	11	0	11	1
Ill.	0	0	0	0	0	0
Ind.	0	0	0	0	0	0
Ia.	20	2	20	2	98	4
Kans.	3	2	3	2	5	5
Ky.	0	0	0	0	0	0
La.	0	0	0	0	0	0
Me.	0	0	0	0	0	0
Md.	10	*	10	*	10	*
Mass.	0	0	0	0	0	0
Mich.	0	0	0	0	0	0
Minn.	10	*	9	*	8	*
Miss.	0	0	0	0	0	0
Mo.	0	0	0	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	6	6	6	6	6	6
N. M.	0	0	0	0	0	0
N. Y.	*	*	*	*	*	*
N. C.	0	0	0	0	0	0
N. D.	0	0	0	0	0	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Neutralization: TC-Tube					
	Polio I		Polio II		Polio III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	0	0	0	0	0	0
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	86	0	86	2	86	0
Tex.	0	0	0	0	0	0
Utah	1,783	*	1,783	*	1,783	*
Vt.	0	0	0	0	0	0
Va.	1	1	1	1	1	1
Wash.	112	9	112	4	112	13
W. Va.	20	0	20	0	20	1
Wisc.	283 (a)	* (a)	(a)	(a)	(a)	(a)
Wyo.	0	0	0	0	0	0
P. R.	3,552	*	3,552	*	3,552	*
V. I.	*	*	*	*	*	*

(a) Polio I, II, and III combined and reported as one total.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	ECHO		Neutralization: TC-Tube Coxsackie		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	0	0	20	2	0	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	17	4	21	3	0	0
Conn.	160	10	1,017	269	0	0
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	5	5	4	4	0	0
Ga.	6	1	35	4	4 (a)	0
Hawaii	70	10	47	1	0	0
Ida.	3	0	3	0	0	0
Ill.	0	0	1,370	20	0	0
Ind.	0	0	0	0	0	0
Ia.	687	32	1,383	33	76 (b)	1
Kans.	10	7	8	3	0	0
Ky.	0	0	0	0	0	0
La.	0	0	0	0	0	0
Me.	0	0	0	0	0	0
Md.	436	*	988	*	387 (c)	*
Mass.	0	0	200	6	406 (d)	0
Mich.	0	0	0	0	0	0
Minn.	101	*	2,654	*	378 (e)	41
Miss.	0	0	0	0	0	0
Mo.	0	0	2	2	0	0
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	0	0	0	0	0	0
N. M.	0	0	0	0	0	0
N. Y.	*	*	*	*	*	*
N. C.	0	0	0	0	0	0
N. D.	0	0	0	0	0	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	ECHO		Neutralization: TC-Tube Coxsackie		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ohio	0	0	0	0	0	0
Okla.	*	*	*	*	0	0
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	0	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	0	0
Tenn.	0	0	0	0	0	0
Tex.	0	0	0	0	0	0
Utah	0	0	0	0	0	0
Vt.	0	0	0	0	0	0
Va.	0	0	0	0	0	0
Wash.	112	67	112	*	0	0
W. Va.	31	5	32	3	2	0
Wisc.	103	*	73	*	23	*
Wyo.	0	0	0	0	0	0
P. R.	0	0	0	0	0	0
V. I.	*	*	*	*	*	*

- (a) Vesicular stomatitis virus.
- (b) Vaccinia.
- (c) Mumps.
- (d) Represents the following plaque reductions: EEE, 176; WEE, 176; and SLE, 54.
- (e) California.

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	BLOOD FACTOR ANTIBODY EXAMINATIONS:	
	Rh Antibody	Others
Ala.	3,500	0
Alaska	0	0
Ariz.	0	0
Ark.	*	*
Cal.	883	21
Colo.	0	0
Conn.	0	0
Del.	0	0
D. C.	*	*
Fla.	18,237	0
Ga.	2,107	0
Hawaii	0	0
Ida.	0	0
Ill.	0	0
Ind.	0	0
Ia.	0	0
Kans.	0	0
Ky.	8,334	7,464
La.	0	0
Me.	0	0
Md.	0	0
Mass.	0	0
Mich.	0	0
Minn.	0	0
Miss.	0	0
Mo.	0	0
Mont.	*	*
Nebr.	0	0
Nev.	0	0
N. H.	0	0
N. J.	0	0
N. M.	0	0
N. Y.	0	0
N. C.	0	0
N. D.	1,754	0

TABLE 1-43. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	BLOOD FACTOR ANTIBODY EXAMINATIONS:	
	Rh Antibody	Others
Ohio	0	0
Okla.	*	*
Ore.	0	0
Pa.	0	0
R. I.	0	0
S. C.	0	0
S. D.	*	*
Tenn.	486	0
Tex.	0	0
Utah	6,736	5
Vt.	3,210	1,070
Va.	0	0
Wash.	0	0
W. Va.	0	0
Wisc.	38,154	6,381
Wyo.	0	0
P. R.	563	0
V. I.	*	*

TABLE 1-44. HEMATOLOGY

	Specimens	Exams	CELL COUNTS					
			rbc	wbc	diff	platelets	retics	eosin
Ala.	0	0	0	0	0	0	0	0
Alaska	8,935	15,085	0	0	0	0	0	0
Ariz.	568	1,158	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*	*
Cal.	3,476 (a)	11,230	0	0	0	0	0	0
Colo.	0	0	0	0	0	0	0	0
Conn.	0	0	0	0	0	0	0	0
Del.	264	264	8	13	11	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	32,796	32,796	(b)	(b)	(b)	(b)	(b)	(b)
Ga.	(c)	169,868	0	0	0	0	0	0
Hawaii	1,107	1,138	9	11	11	0	0	0
Ida.	*	2,494	0	0	0	0	0	0
Ill.	0	0	0	0	0	0	0	0
Ind.	0	0	0	0	0	0	0	0
Ia.	0	0	0	0	0	0	0	0
Kans.	*	13	0	0	0	0	0	0
Ky.	0	0	0	0	0	0	0	0
La.	*	1,820	250	252	270	0	0	1
Me.	10,448	11,610	0	0	0	0	0	0
Md.	45,859	102,069	226	17,090	11,688	119	597	0
Mass.	0	0	0	0	0	0	0	0
Mich.	*	28,220	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0	0
Mo.	0	0	0	0	0	0	0	0
Mont.	*	*	*	*	*	*	*	*
Nebr.	4,134	8,268	0	0	0	0	0	0
Nev.	*	5,315	0	765	891	0	0	93
N. H.	4,088	16,841	124	5,399	6,603	22	0	0
N. J.	0	0	0	0	0	0	0	0
N. M.	1,109	1,109	0	0	0	0	0	0
N. Y.	26,207	26,207	0	0	0	0	0	0
N. C.	0	0	0	0	0	0	0	0
N. D.	*	17,377	0	0	0	0	0	0

TABLE 1-44. HEMATOLOGY

	Specimens	Exams	CELL COUNTS					
			rbc	wbc	diff	platelets	retics	eosin
Ohio	2,172	4,294	0	0	0	0	0	0
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0	0
R. I.	*	1,648	0	0	0	0	0	0
S. C.	*	26,424	1,697	906	757	95	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	*	30,141	0	0	0	0	0	0
Tex.	0	0	0	0	0	0	0	0
Utah	24,829	55,375	1	370	369	1	0	0
Vt.	10,700	23,020	0	0	0	0	0	0
Va.	2,650	8,036	5	188	182	0	0	0
Wash.	0	0	0	0	0	0	0	0
W. Va.	160	641	160	160	160	0	0	0
Wisc.	8,793	8,793	0	0	0	0	0	0
Wyo.	122	122	0	0	0	0	0	0
P. R.	*	74,590	12,957	12,692	7,905	68	0	0
V. I.	*	*	*	*	*	*	*	*

- (a) 3,372 of these specimens were received for syphilis serology testing and are included also in that specimen count.
- (b) Breakdown by type of test not reported. Thirteen types of tests included in total of 2,071 examinations.
- (c) Entered under Serology.

TABLE 1-44. HEMATOLOGY
(Continued)

	Smears, "L-E" Cells	Smears, Sickled Cells	Erythrocyte Fragility	Erythrocyte Volume (hematocrit)	Erythrocyte Sedimentation Rate
Ala.	0	0	0	0	0
Alaska	0	0	0	0	0
Ariz.	0	0	0	0	0
Ark.	*	*	*	*	*
Cal.	0	0	0	0	0
Colo.	0	0	0	0	0
Conn.	0	0	0	0	0
Del.	0	0	0	116	0
D. C.	*	*	*	*	*
Fla.	(a)	(a)	(a)	(a)	(a)
Ga.	0	0	0	0	0
Hawaii	0	0	0	0	0
Ida.	0	0	0	1,627	834
Ill.	0	0	0	0	0
Ind.	0	0	0	0	0
Ia.	0	0	0	0	0
Kans.	0	0	0	0	0
Ky.	0	0	0	0	0
La.	0	4	0	287	212
Me.	0	0	0	0	0
Md.	2	239	0	18,122	2,871
Mass.	0	0	0	0	0
Mich.	*	*	*	*	880
Minn.	0	0	0	0	0
Miss.	0	0	0	0	0
Mo.	0	0	0	0	0
Mont.	*	*	*	*	*
Nebr.	0	0	0	0	0
Nev.	0	1	0	1,065	259
N. H.	17	0	0	3,904	0
N. J.	0	0	0	0	0
N. M.	0	0	0	0	0
N. Y.	0	0	0	0	0
N. C.	0	0	0	0	0
N. D.	0	0	0	0	0

TABLE 1-44. HEMATOLOGY
(Continued)

	Smears, "L-E" Cells	Smears, Sickled Cells	Erythrocyte Fragility	Erythrocyte Volume (hematocrit)	Erythrocyte Sedimentation Rate
Ohio	0	0	0	0	0
Okla.	*	*	*	*	*
Ore.	0	0	0	0	0
Pa.	0	0	0	0	0
R. I.	0	0	0	0	0
S. C.	0	129	0	0	0
S. D.	*	*	*	*	*
Tenn.	0	0	0	0	0
Tex.	0	0	0	0	0
Utah	0	0	0	332	538
Vt.	0	0	0	0	0
Va.	0	39	0	1,937	39
Wash.	0	0	0	0	0
W. Va.	0	0	0	0	1
Wisc.	0	0	0	0	0
Wyo.	0	0	0	0	0
P. R.	87	9	0	627	522
V. I.	*	*	*	*	*

(a) Breakdown by type of test was not reported; included in total of 2,071 examinations.

TABLE 1-44. HEMATOLOGY
(Continued)

	Bone Marrow Examination	Coagulation Time	Hemoglobin	Alkali Resistant Hemoglobin	Prothrombin Time	Electrophoresis
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	0	0	0	0	0	0
Colo.	0	0	0	0	0	0
Conn.	0	0	0	0	0	0
Del.	0	0	116	0	0	0
D. C.	*	*	*	*	*	*
Fla.	(a)	(a)	16,138	0	0	0
Ga.	0	0	0	0	0	0
Hawaii	0	0	11	0	0	0
Ida.	0	0	33	0	0	0
Ill.	0	0	0	0	0	0
Ind.	0	0	0	0	0	0
Ia.	0	0	0	0	0	0
Kans.	0	0	13	0	0	0
Ky.	0	0	0	0	0	0
La.	0	0	544	0	0	0
Me.	0	0	0	0	0	0
Md.	0	111	22,511	0	37	5
Mass.	0	0	0	0	0	0
Mich.	*	*	*	*	*	*
Minn.	0	0	0	0	0	0
Miss.	0	0	0	0	0	0
Mo.	0	0	0	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	1,067	0	0	0
N. H.	0	15	0	0	752	0
N. J.	0	0	0	0	0	0
N. M.	0	0	0	0	0	0
N. Y.	174	0	0	0	0	629
N. C.	0	0	0	0	0	0
N. D.	0	0	0	0	0	0

TABLE 1-44. HEMATOLOGY
(Continued)

	Bone Marrow Examination	Coagulation Time	Hemoglobin	Alkali Resistant Hemoglobin	Prothrombin Time	Electrophoresis
Ohio	0	0	0	0	0	0
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	0	0	1,648	0	0	0
S. C.	0	0	6,912	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0
Tex.	0	0	0	0	0	0
Utah	0	0	336	0	0	0
Vt.	0	0	550	0	0	0
Va.	0	4	19	0	0	0
Wash.	0	0	0	0	0	0
W. Va.	0	0	160	0	0	0
Wisc.	0	0	0	0	0	229
Wyo.	0	0	0	0	0	122
P. R.	0	46	25,251	0	55	0
V. I.	*	*	*	*	*	*

(a) Breakdown by type of test was not reported; included in total of 2,071 examinations.

TABLE 1-44. HEMATOLOGY
(Continued)

	Blood Group (ABO)	Blood Type (Rh)	Cross Matches	Paternity Studies	Other
Ala.	0	0	0	0	0
Alaska	6,150	8,935	0	0	0
Ariz.	559	599	0	0	0
Ark.	*	*	*	*	*
Cal.	4,154	7,076	0	0	0
Colo.	0	0	0	0	0
Conn.	0	0	0	0	0
Del.	0	0	0	0	0
D. C.	*	*	*	*	*
Fla.	0	14,587	0	0	0
Ga.	84,937	84,931	0	0	0
Hawaii	0	1,096	0	0	0
Ida.	0	0	0	0	0
Ill.	0	0	0	0	0
Ind.	0	0	0	0	0
Ia.	0	0	0	0	0
Kans.	0	0	0	0	0
Ky.	0	0	0	0	0
La.	0	0	0	0	0
Me.	1,162	10,448	0	0	0
Md.	6,245	22,206	0	0	0
Mass.	0	0	0	0	0
Mich.	*	*	*	*	*
Minn.	0	0	0	0	0
Miss.	0	0	0	0	0
Mo.	0	0	0	0	0
Mont.	*	*	*	*	*
Nebr.	4,134	4,134	0	0	0
Nev.	556	618	0	0	0
N. H.	0	0	5	0	0
N. J.	0	0	0	0	0
N. M.	0	1,109	0	0	0
N. Y.	10,448	10,448	0	0	4,508 (a)
N. C.	0	0	0	0	0
N. D.	3,722	13,655	0	0	0

TABLE 1-44. HEMATOLOGY
(Continued)

	Blood Group (ABO)	Blood Type (Rh)	Cross Matches	Paternity Studies	Other
Ohio	2,122	2,172	0	0	0
Okla.	*	*	*	*	*
Ore.	0	0	0	0	0
Pa.	0	0	0	0	0
R. I.	0	0	0	0	0
S. C.	254	15,664	0	0	10 (b)
S. D.	*	*	*	*	*
Tenn.	15,066	15,075	0	0	0
Tex.	0	0	0	0	0
Utah	24,829	28,599	0	0	0
Vt.	10,700	10,700	0	0	1,070 (c)
Va.	2,650	2,930	0	0	43 (b)
Wash.	0	0	0	0	0
W. Va.	0	0	0	0	0
Wisc.	8,564 (d)	(d)	(d)	(d)	0
Wyo.	0	0	0	0	0
P. R.	276	14,019	0	0	76
V. I.	*	*	*	*	*

(a) Rh sensitization.

(b) Occult blood.

(c) D^u.

(d) Blood group (ABO); blood type (Rh); cross matches, and paternity studies included in one total.

TABLE 1-45. EXFOLIATIVE CYTOLOGY

	Specimens	Examinations	Papanicolaou	Fluorescent Stain
Ala.	*	5,620	0	5,620
Alaska	0	0	0	0
Ariz.	0	0	0	0
Ark.	*	*	*	*
Cal.	0	0	0	0
Colo.	0	0	0	0
Conn.	0	0	0	0
Del.	25,426	25,426	25,426	0
D. C.	*	*	*	*
Fla.	0	0	0	0
Ga.	0	0	0	0
Hawaii	0	0	0	0
Ida.	0	0	0	0
Ill.	0	0	0	0
Ind.	0	0	0	0
Ia.	0	0	0	0
Kans.	0	0	0	0
Ky.	0	0	0	0
La.	*	11,648	0	0
Me.	0	0	0	0
Md.	50,909	52,266	0	0
Mass.	0	0	0	0
Mich.	*	*	*	*
Minn.	0	0	0	0
Miss.	0	0	0	0
Mo.	0	0	0	0
Mont.	*	*	*	*
Nebr.	0	0	0	0
Nev.	0	0	0	0
N. H.	0	0	0	0
N. J.	0	0	0	0
N. M.	0	0	0	0
N. Y.	13,520	13,520	9,004	0
N. C.	80,027	80,027	80,027	0
N. D.	0	0	0	0

TABLE 1-45. EXFOLIATIVE CYTOLOGY

	Specimens	Examinations	Papanicolaou	Fluorescent Stain
Ohio	0	0	0	0
Okla.	*	*	*	*
Ore.	0	0	0	0
Pa.	0	0	0	0
R. I.	3,232	3,232	0	0
S. C.	0	0	0	0
S. D.	*	*	*	*
Tenn.	0	0	0	0
Tex.	0	0	0	0
Utah	0	0	0	0
Vt.	0	0	0	0
Va.	0	0	0	0
Wash.	0	0	0	0
W. Va.	0	0	0	0
Wisc.	126,287	142,626 (a)	111,640	0
Wyo.	0	0	0	0
P. R.	0	0	0	0
V. I.	*	*	*	*

(a) Includes 549 blood smears.

TABLE 1-46. HISTOPATHOLOGY

	Tissue, Human, Micro		Tissue, Animal, Micro		Tissue, Gross	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	0	0	0	0	0	0
Colo.	0	0	0	0	0	0
Conn.	0	0	0	0	0	0
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	0	0	0	0	0	0
Ga.	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0
Ida.	0	0	0	0	0	0
Ill.	0	0	0	0	0	0
Ind.	0	0	0	0	0	0
Ia.	0	0	0	0	0	0
Kans.	0	0	0	0	0	0
Ky.	0	0	0	0	0	0
La.	*	5,824	0	0	*	5,824
Me.	0	0	0	0	0	0
Md.	0	0	0	0	0	0
Mass.	0	0	0	0	0	0
Mich.	*	*	*	*	*	*
Minn.	0	0	0	0	0	0
Miss.	0	0	0	0	0	0
Mo.	0	0	0	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	0	0	0	0	0	0
N. M.	0	0	0	0	0	0
N. Y.	4,116	4,116	400	400	0	0
N. C.	0	0	0	0	0	0
N. D.	0	0	0	0	0	0

TABLE 1-46. HISTOPATHOLOGY

	Tissue, Human, Micro		Tissue, Animal, Micro		Tissue, Gross	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ohio	0	0	0	0	0	0
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	1,616	1,616	0	0	1,616	1,616
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0
Tex.	0	0	0	0	0	0
Utah	0	0	0	0	0	0
Vt.	0	0	0	0	0	0
Va.	0	0	0	0	0	0
Wash.	0	0	0	0	0	0
W. Va.	0	0	0	0	0	0
Wisc.	*	12,239	*	2,556	*	15,642
Wyo.	0	0	0	0	0	0
P. R.	0	0	0	0	0	0
V. I.	*	*	*	*	*	*

TABLE 1-47. CLINICAL CHEMISTRY: BLOOD

	Specimens	Exams	Glucose Qualitative Examinations	Glucose Quantitative Examinations	Cholesterol, Total Examinations	Bilirubin, Quantitative Examinations
Ala.	*	206	0	206	0	0
Alaska	0	0	0	0	0	0
Ariz.	165	234	0	234	0	0
Ark.	*	*	*	*	*	*
Cal.	0	0	0	0	0	0
Colo.	21,065	21,065	0	0	0	0
Conn.	54,718	58,088 (a)	0	713	2,131	0
Del.	13,249	13,249	2,604	0	0	0
D. C.	*	*	*	*	*	*
Fla.	44,662	44,662	0	19,118	346	0
Ga.	14,976	14,976	0	618	0	0
Hawaii	0	0	0	0	0	0
Ida.	*	11,017 (b)	0	1,124	346	0
Ill.	24,812	24,812	0	0	0	0
Ind.	0	0	0	0	0	0
Ia.	3,819	3,819	0	0	0	0
Kans.	*	161	0	0	0	0
Ky.	0	0	0	0	0	0
La.	*	49,393	0	0	0	0
Me.	15,487	15,487	0	0	0	0
Md.	30,445	62,002	0	24,932	3,554	751
Mass.	186,199	186,199	0	0	0	0
Mich.	*	11,231	*	*	*	*
Minn.	57,412	57,412	0	0	0	0
Miss.	26,441	26,441	0	26,441	0	0
Mo.	0	0	0	0	0	0
Mont.	*	*	*	*	*	*
Nebr.	14	14	0	0	0	0
Nev.	7,421	7,421	1	0	0	0
N. H.	14,285	15,409	0	4,570	27	40
N. J.	*	75,172	0	18,374	211	0
N. M.	5,652	5,652	0	0	0	0
N. Y.	90,840	90,840	0	0	0	0
N. C.	1,208	1,208	0	1,208	0	0
N. D.	0	0	0	0	0	0

TABLE 1-47. CLINICAL CHEMISTRY: BLOOD

	Specimens	Exams	Glucose Qualitative Examinations	Glucose Quantitative Examinations	Cholesterol, Total Examinations	Bilirubin, Quantitative Examinations
Ohio	98,999	106,863	20,881	10,221	0	0
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	*	58,467	0	14,891	890	0
S. C.	*	11,774	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	*	7,606	0	0	0	0
Tex.	0	0	0	0	0	0
Utah	4,534	4,534	0	4,534	0	0
Vt.	*	5,720	0	3,770	10	0
Va.	27,192	33,632	7,629	478	0	0
Wash.	*	6,225	0	0	0	0
W. Va.	8,117	8,117	3,017	467	160	0
Wisc.	117,122	114,071	(c) 56,549	0	14,198	1,250
Wyo.	112	112	0	0	0	0
P. R.	*	21,702	0	13,244	1,041	1,071
V. I.	*	*	*	*	*	*

(a) Includes also the following examinations: Total Protein, 48; LDH, 612; Triglycerides, 967; and Lead, 618.

(b) Includes 60 micro-glucose examinations.

(c) Includes also the following examinations: Proteins, 1,290; Phosphatase-Alkaline, 1,073; Calcium, 618; Phosphorus, 321; Icterus Index, 95; AG Ratio, 228; and Gamma Globulin, 848.

TABLE 1-47. CLINICAL CHEMISTRY: BLOOD
(Continued)

	Bromsulfalein Examinations	Cephalin Flocculation Examinations	Chloride Examinations	Creatinine Examinations	Thymol Turbidity Examinations
Ala.	0	0	0	0	0
Alaska	0	0	0	0	0
Ariz.	0	0	0	0	0
Ark.	*	*	*	*	*
Cal.	0	0	0	0	0
Colo.	0	0	0	0	0
Conn.	0	0	0	0	0
Del.	0	0	0	0	0
D. C.	*	*	*	*	*
Fla.	0	0	0	0	0
Ga.	0	0	0	0	0
Hawaii	0	0	0	0	0
Ida.	0	0	0	0	0
Ill.	0	0	0	0	0
Ind.	0	0	0	0	0
Ia.	0	0	0	0	0
Kans.	0	0	2	0	0
Ky.	0	0	0	0	0
La.	0	0	0	0	0
Me.	0	0	0	0	0
Md.	0	420	261	0	508
Mass.	0	0	0	0	0
Mich.	*	*	*	*	*
Minn.	0	0	0	0	0
Miss.	0	0	0	0	0
Mo.	0	0	0	0	0
Mont.	*	*	*	*	*
Nebr.	0	14	0	0	0
Nev.	0	0	0	0	0
N. H.	0	21	0	0	8
N. J.	0	0	41	23	0
N. M.	0	0	0	0	0
N. Y.	0	0	0	0	0
N. C.	0	0	0	0	0
N. D.	0	0	0	0	0

TABLE 1-47. CLINICAL CHEMISTRY: BLOOD
(Continued)

	Bromsulfalein Examinations	Cephalin Flocculation Examinations	Chloride Examinations	Creatinine Examinations	Thymol Turbidity Examinations
Ohio	0	0	0	0	0
Okla.	*	*	*	*	*
Ore.	0	0	0	0	0
Pa.	0	0	0	0	0
R. I.	0	0	0	168	0
S. C.	0	0	0	0	0
S. D.	*	*	*	*	*
Tenn.	0	0	0	0	0
Tex.	0	0	0	0	0
Utah	0	0	0	0	0
Vt.	0	0	0	0	0
Va.	0	0	0	0	0
Wash.	0	0	0	0	0
W. Va.	0	0	0	0	0
Wisc.	0	0	198	111	0
Wyo.	0	0	0	0	0
P. R.	41	1,205	53	25	92
V. I.	*	*	*	*	*

TABLE 1-47. CLINICAL CHEMISTRY: BLOOD
(Continued)

	Urea Nitrogen Exams	Uric Acid Exams	Transaminase Examinations	Globulin Albumin	Phenylalanine Quantitative	Protein Bound Iodine	PKU Screening
Ala.	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*
Cal.	0	0	0	0	0	0	0
Colo.	0	0	0	0	0	0	21,065
Conn.	0	0	1,030	0	179	0	51,790
Del.	0	0	0	0	0	0	10,645
D. C.	*	*	*	*	*	*	*
Fla.	41	0	0	0	234	0	24,923
Ga.	0	0	0	0	0	0	14,358
Hawaii	0	0	0	0	0	0	0
Ida.	966	0	405	0	12	0	8,104
Ill.	0	0	0	0	0	0	24,812
Ind.	0	0	0	0	0	0	0
Ia.	0	0	0	0	0	0	3,819
Kans.	0	0	0	0	159	0	0
Ky.	0	0	0	0	0	0	0
La.	0	0	0	0	285	0	49,108
Me.	0	0	0	0	0	0	15,487
Md.	7,003	2,205	0	992	0	178	21,198
Mass.	0	0	0	0	0	0	186,199
Mich.	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	57,412
Miss.	0	0	0	0	0	0	0
Mo.	0	0	0	0	0	0	0
Mont.	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	7,420
N. H.	2,697	60	0	0	0	0	7,986
N. J.	70	9	0	88 (a)	200	0	56,156
N. M.	0	0	0	0	0	0	5,652
N. Y.	0	0	0	0	0	0	90,840
N. C.	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0

TABLE 1-47. CLINICAL CHEMISTRY: BLOOD
(Continued)

	Urea Nitrogen Exams	Uric Acid Exams	Transaminase Examinations	Globulin Albumin	Phenylalanine Quantitative	Protein Bound Iodine	PKU Screening
Ohio	0	0	0	0	0	0	75,761
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	9,636	122	0	0	1,200	0	31,560
S. C.	0	0	0	0	0	0	11,774
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	7,606
Tex.	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Vt.	1,940	0	0	0	0	0	0
Va.	0	0	0	0	0	0	25,525
Wash.	0	0	0	0	25	0	6,200
W. Va.	0	0	0	0	18	0	4,455
Wisc.	9,700	7,387	0	420	420	0	19,365
Wyo.	0	0	0	112	0	0	0
P. R.	2,973	90	1,441	426	0	0	0
V. I.	*	*	*	*	*	*	*

(a) Includes total protein examinations.

TABLE 1-48. CLINICAL CHEMISTRY: URINE

	Specimens	Exams	Microscopic	Glucose	Acetone	Diacetic Acid	Total Acidity
Ala.	*	*	0	0	0	0	0
Alaska	0	0	0	0	0	0	0
Ariz.	5,958	22,282 (a)	1,663	5,242	0	0	5,243
Ark.	*	*	*	*	*	*	*
Cal.	0	0	0	0	0	0	0
Colo.	0	0	0	0	0	0	0
Conn.	51,860	51,860 (b)	0	9,475	0	0	0
Del.	11,441	11,441	878	878	0	0	878
D. C.	*	*	*	*	*	*	*
Fla.	1,056	3,168	1,056	1,056	0	0	1,056
Ga.	0	0	0	0	0	0	0
Hawaii	116	191	65	116	10	0	0
Ida.	*	2	0	2	0	0	0
Ill.	5,385	5,385	0	0	0	0	0
Ind.	0	0	0	0	0	0	0
Ia.	0	0	0	0	0	0	0
Kans.	0	0	0	0	0	0	0
Ky.	0	0	0	0	0	0	0
La.	*	2,772	2,772	0	0	0	0
Me.	0	0	0	0	0	0	0
Md.	12,178	11,172	10,640	0	179	2	0
Mass.	13,028	13,028	0	0	0	0	0
Mich.	*	30,367	*	*	*	*	*
Minn.	0	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0
Mo.	0	0	0	0	0	0	0
Mont.	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0
Nev.	6,912	7,849	751	1,620	759	0	0
N. H.	7,064	10,773	344	3,360	3,360	0	0
N. J.	*	143	0	143	0	0	0
N. M.	0	0	0	0	0	0	0
N. Y.	0	0	0	0	0	0	0
N. C.	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0

TABLE 1-48. CLINICAL CHEMISTRY: URINE

	Specimens	Exams	Microscopic	Glucose	Acetone	Diacetic Acid	Total Acidity
Ohio	1,167	1,167	0	0	0	0	0
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	*	26,085	13,000	13,000	80	0	0
S. C.	*	9,733	1,561	8,139	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0
Tex.	0	0	0	0	0	0	0
Utah	288	723 (c)	288	288	0	0	0
Vt.	0	0	0	0	0	0	0
Va.	*	5,289	5,289	0	0	0	0
Wash.	*	2,906	0	0	0	0	0
W. Va.	3,785	3,785	0	0	0	0	0
Wisc.	*	439 (d)	0	0	0	0	41
Wyo.	0	0	0	0	0	0	0
P. R.	*	35,716	16,461	19,217	0	0	0
V. I.	*	*	*	*	*	*	*

(a) Includes 5,092 specific gravity tests and 5,042 albumen tests.

(b) Includes 576 tests for lead and 6 PKU quantitative examinations.

(c) Includes 110 phenylpyruvic acid examinations not shown in further breakdown in this table.

(d) Includes also the following tests: lead, 58; arsenic, 18; and other, 24.

TABLE 1-48. CLINICAL CHEMISTRY: URINE (a)
(Continued)

	Bile	17 Keto-steroids	Bence-Jones Protein	Urobilinogen	Amino-aciduria	5 hydroxyindole Acetic Acid	PKU Screening
Ala.	0	0	0	0	0	0	*
Alaska	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*
Cal.	0	0	0	0	0	0	0
Colo.	0	0	0	0	0	0	0
Conn.	0	0	0	0	0	0	41,803
Del.	0	0	0	0	0	0	8,807
D. C.	*	*	*	*	*	*	*
Fla.	0	0	0	0	0	0	0
Ga.	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
Ida.	0	0	0	0	0	0	0
Ill.	0	0	0	0	0	0	5,385
Ind.	0	0	0	0	0	0	0
Ia.	0	0	0	0	0	0	0
Kans.	0	0	0	0	0	0	0
Ky.	0	0	0	0	0	0	0
La.	0	0	0	0	0	0	0
Me.	0	0	0	0	0	0	0
Md.	28	0	1	0	0	0	322
Mass.	0	0	0	0	0	0	13,028
Mich.	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0
Mo.	0	0	0	0	0	0	0
Mont.	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	4,719
N. H.	4	0	1	0	0	0	3,704
N. J.	0	0	0	0	0	0	0
N. M.	0	0	0	0	0	0	0
N. Y.	0	0	0	0	0	0	0
N. C.	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0

TABLE 1-48. CLINICAL CHEMISTRY: URINE (a)
(Continued)

	Bile	17 Keto-steroids	Bence-Jones Protein	Urobinogen	Amino-aciduria	5 hydroxyindole Acetic Acid	PKU Screening
Ohio	0	0	0	0	0	0	1,167
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	3	0	0	2	0	0	0
S. C.	0	0	0	0	0	0	33
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0
Tex.	0	0	0	0	0	0	0
Utah	0	0	0	37	0	0	0
Vt.	0	0	0	0	0	0	0
Va.	0	0	0	0	0	0	0
Wash.	0	0	0	0	0	0	2,906
W. Va.	0	0	0	0	0	0	3,785
Wisc.	0	131	0	0	0	81	86
Wyo.	0	0	0	0	0	0	0
P. R.	0	38	0	0	0	0	0
V. I.	*	*	*	*	*	*	*

(a) There were no tests reported under the following categories, with exceptions as noted: kidney function test (Wisconsin reported 86, and Puerto Rico, 3); Gastric exams; free HCl tests; total acidity tests; or pregnancy tests. Connecticut reported 341 tests of miscellaneous material for lead and 193 other clinical chemistry tests not broken down further. Florida reported 1,574 cholinesterase examinations; Nevada, 132 EKG examinations, and Utah, 533 EKG examinations. New Jersey had the following other examinations: Phosphates, 28; Calcium, 76; Sodium, 62; and Potassium, 12. Virginia reported 110 uro screen examinations, and Wisconsin had 504 other examinations not broken down further by type.

TABLE 1-49. SANITARY CHEMISTRY: WATER

	Total Specimens	Total Exams	EXAMINATIONS FOR:				Biochemical Oxygen Demand
			Acidity	Alkalinity	Aluminum	Arsenic	
Ala.	*	500	0	0	0	0	0
Alaska	479	479	0	0	0	0	0
Ariz.	904	13,719	0	1,120	0	4	363
Ark.	*	*	*	*	*	*	*
Cal.	13,772 (a)	42,330 (b)	(c)	(c)	(c)	(c)	(c)
Colo.	1,319	12,239	404	405	0	303	0
Conn.	6,007	41,840 (d)	0	4,803	0	0	111
Del.	(e)	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*
Fla.	2,370	12,250	950	950	0	0	0
Ga.	0	0	0	0	0	0	0
Hawaii	4,298	6,977	0	84	84	84	109
Ida.	*	2,111	(c)	(c)	(c)	(c)	(c)
Ill.	*	86,101	0	3,542	0	0	2,995
Ind.	7,458	56,785	125	4,269	98	159	2,803
Ia.	15,193	352,531	521	1,406	3	380	17,304
Kans.	0 (f)	0	0	0	0	0	0
Ky.	1,832	10,744	465	548	7	6	0
La.	*	6,015	0	258	1	0	52
Me.	11,177	103,563	0	8	0	0	0
Md.	6,209	15,169	3	1,388	98	25	902
Mass.	0	0	0	0	0	0	0
Mich.	*	*	*	*	*	*	*
Minn.	0 (g)	0	0	0	0	0	0
Miss.	586	3,232	0	92	0	0	230
Mo.	*	11,971	0	487	363	255	0
Mont.	*	*	*	*	*	*	*
Nebr.	1,889	17,518	25	1,325	2	5	730
Nev.	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0
N. J.	*	29,098	4	640	2	4	2,116
N. M.	1,585	7,801	0	373	0	0	89
N. Y.	5,430	*	*	*	*	*	*
N. C.	4,868	18,061	19	1,080	38	83	0
N. D.	*	10,093	0	572	0	0	45

TABLE 1-49. SANITARY CHEMISTRY: WATER

	Total Specimens	Total Exams	EXAMINATIONS FOR:				Biochemical Oxygen Demand
			Acidity	Alkalinity	Aluminum	Arsenic	
Ohio	3,557	40,908	108	6,942	37	30	286
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	0 (h)	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	*	3	0	0	0	0	0
Tex.	*	139,122	89	8,567	5	31	6,603
Utah	2,690	23,557	601	543	0	530	885
Vt.	550	10,090	550	550	0	0	0
Va.	778	3,967	0	217	146	1	0
Wash.	611	13,542	6	118	3	16	0
W. Va.	0	0	0	0	0	0	0
Wisc.	5,214	27,222	0	0	0	0	5,463
Wyo.	0	0	0	0	0	0	0
P. R.	*	2,575	0	52	0	138	236
V. I.	*	*	*	*	*	*	*

(a) Includes 8,280 radiologic specimens examined.

(b) Includes 19,331 radiologic examinations.

(c) Included in total for examinations. Detailed breakdown not available.

(d) Also includes the following tests; examinations for nitrogen, albuminoid, 1,939; nitrogen, organic, 137; physical appearance, 138; solids suspended, 138; hydrocarbons, 55; and other metals, 67.

(e) Done by Water Pollution Commission Laboratory

(f) Handled by Sanitary Engineering Laboratory, Environmental Health Services.

(g) Tests done in Engineering Laboratories.

(h) Tests performed by the Division of Sanitary Engineering.

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Cadmium	Calcium	Carbon Dioxide	Chlorides	Chlorine (Residual)	Chlorine Demand	Chromium- Hexavalent
Ala.	0	0	0	0	0	0	0
Alaska	0	0	0	0	257	0	0
Ariz.	0	560	0	560	560	0	560
Ark.	*	*	*	*	*	*	*
Cal.	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colo.	302	404	0	683	0	0	307
Conn.	0	0	0	2,076	0	0	0
Del.	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*
Fla.	0	950	0	1,450	0	0	0
Ga.	0	0	0	0	0	0	0
Hawaii	0	84	0	114	0	0	0
Ida.	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Ill.	0	10	0	0	1,389	0	0
Ind.	577	1,148	0	3,396	2	1	118
Ia.	5	3,325	0	633	102	0	24
Kans.	0	0	0	0	0	0	0
Ky.	7	550	0	583	0	0	0
La.	1	256	255	662	0	100	0
Me.	0	6	1	10,733	423	1	0
Md.	0	111	0	2,282	487	4	1
Mass.	0	0	0	0	0	0	0
Mich.	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0
Miss.	0	92	92	92	0	230	0
Mo.	255 (b)	428	392	416	3	0	255 (b)
Mont.	*	*	*	*	*	*	*
Nebr.	0	845	0	1,030	66	8	35
Nev.	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0
N. J.	6	52	0	2,908	0	0	36
N. M.	0	374	0	370	0	0	0
N. Y.	*	*	*	*	*	*	*
N. C.	83	316	0	2,387	0	0	84
N. D.	0	309	0	354	154	90	0

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Cadmium	Calcium	Carbon Dioxide	Chlorides	Chlorine (Residual)	Chlorine Demand	Chromium- Hexavalent
Ohio	5	1,786	1,786	2,746	196	0	15
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	0	3	0	0
Tex.	2	4,967	135	11,570	370	6,603	96
Utah	525	535	0	529	360	0	528
Vt.	0	550	0	550	550	0	0
Va.	21	193	0	205	0	0	27
Wash.	0	127	100	82	6	0	1
W. Va.	0	0	0	0	0	0	0
Wisc.	0	0	0	0	0	0	0
Wyo.	0	0	0	0	0	0	0
P. R.	138	10	0	62	0	0	0
V. I.	*	*	*	*	*	*	*

(a) Included in total for examinations. Detailed breakdown not available.

(b) Based on six months' figures.

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Chromium- Total	Cobalt	Color	Conductance	Copper	Cyanide	Detergents (Surfactants)
Ala.	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	210
Ariz.	0	0	560	560	560	0	200
Ark.	*	*	*	*	*	*	*
Cal.	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colo.	307	0	338	396	375	0	808
Conn.	0	0	4,803	0	0	19	169
Del.	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*
Fla.	0	0	950	0	0	0	950
Ga.	0	0	0	0	0	0	0
Hawaii	0	0	84	0	84	0	0
Ida.	(a)	(a)	(a)	(a)	(a)	(a)	69
Ill.	0	0	0	0	0	0	1,369
Ind.	239	0	2,385	1,674	581	372	229
Ia.	110	0	0	1,971	225	0	895
Kans.	0	0	0	0	0	0	0
Ky.	26	0	533	0	22	4	167
La.	1	0	255	0	5	0	0
Me.	0	0	10,733	0	3,597	0	43
Md.	0	0	1,189	0	38	0	633
Mass.	0	0	0	0	0	0	0
Mich.	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0
Miss.	0	0	230	0	5	0	0
Mo.	0	0	0	0	255 (b)	255	274
Mont.	*	*	*	*	*	*	*
Nebr.	35	0	0	360	33	10	607
Nev.	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0
N. J.	40	0	1,640	0	84	8	1,416
N. M.	0	0	352	404	0	3	423
N. Y.	*	*	*	*	*	*	*
N. C.	0	0	648	0	124	0	311
N. D.	0	0	0	687	0	0	0

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Chromium- Total	Cobalt	Color	Conductance	Copper	Cyanide	Detergents (Surfactants)
Ohio	192	0	1,846	384	168	481	324
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0
Tex.	7	0	9	11,570	10	16	307
Utah	0	0	0	602	525	0	522
Vt.	0	0	550	0	550	0	0
Va.	1	0	0	0	60	13	142
Wash.	0	0	89	121	6	0	47
W. Va.	0	0	0	0	0	0	0
Wisc.	0	0	0	0	0	0	881
Wyo.	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*

(a) Included in total examinations. Detailed breakdown not available.

(b) Based on six months' figures.

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:							
	Fluoride	Grease	Hardness	Iron-Soluble	Iron-Total	Lead	Magnesium	Manganese
Ala.	500	0	0	0	0	0	0	0
Alaska	12	0	0	0	0	0	0	0
Ariz.	560	0	560	85	560	85	560	105
Ark.	*	*	*	*	*	*	*	*
Cal.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colo.	788	0	404	412	412	401	404	404
Conn.	792	0	2,076	0	2,114	0	0	419
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	1,300	0	950	0	950	0	950	0
Ga.	0	0	0	0	0	0	0	0
Hawaii	156	0	84	0	84	84	84	84
Ida.	292	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Ill.	1,420	0	5,315	0	5,139	0	0	0
Ind.	2,820	284	2,597	0	1,746	144	1,122	1,520
Ia.	6,690	520	3,464	117	28,030	0	954	2,260
Kans.	0	0	0	0	0	0	0	0
Ky.	1,697	0	536	0	555	14	535	557
La.	362	1	256	0	326	1	256	301
Me.	850	0	10,733	0	523	80	4	48
Md.	322	6	1,202	1,240	0	15	102	127
Mass.	0	0	0	0	0	0	0	0
Mich.	*	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0	0
Miss.	264	0	322	0	92	0	92	10
Mo.	1,590	0	537	0	714	255 (b)	381	539
Mont.	*	*	*	*	*	*	*	*
Nebr.	965	92	1,295	0	750	28	582	570
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	648	316	556	60	1,076	6	36	472
N. M.	1,003	0	411	0	371	0	375	336
N. Y.	*	*	*	*	*	*	*	*
N. C.	3,159	2	861	0	814	95	0	724
N. D.	705	0	572	0	450	0	309	228

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:							
	Fluoride	Grease	Hardness	Iron-Soluble	Iron-Total	Lead	Magnesium	Manganese
Ohio	1,402	21	1,786	120	1,906	3	1,786	1,786
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0	0
Tex.	4,967	0	4,967	3,453	237	246	4,967	3,453
Utah	538	0	543	540	540	527	531	527
Vt.	550	0	550	0	550	110	0	70
Va.	595	0	210	2	340	0	187	341
Wash.	457	2	144	169	1	21	114	125
W. Va.	0	0	0	0	0	0	0	0
Wisc.	1,950	0	4,261	0	0	0	0	36
Wyo.	0	0	0	0	0	0	0	0
P. R.	252	0	10	0	0	138	10	52
V. I.	*	*	*	*	*	*	*	*

(a) Included in total for examinations. Detailed breakdown not available.

(b) Based on six months figures.

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:							
	Nickel	Nitrogen- Ammonia	Nitrogen- Nitrate	Nitrogen- Nitrite	Odor	Oxygen, Dissolved	pH	Phenol
Ala.	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0
Ariz.	37	0	560	0	560	100	65	0
Ark.	*	*	*	*	*	*	*	*
Cal.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colo.	0	400	664	0	0	0	0	0
Conn.	0	2,076	2,076	2,076	4,803	0	4,803	(b)
Del.	0	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*	*
Fla.	0	0	0	0	0	0	950	0
Ga.	0	0	0	0	0	0	0	0
Hawaii	0	0	84	84	84	109	4,226	84
Ida.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Ill.	0	0	14,740	0	0	0	20,748	0
Ind.	576	344	3,047	0	1,862	0	4,344	186
Ia.	0	3,060	47,705	1,830	207	6,790	1,838	0
Kans.	0	0	0	0	0	0	0	0
Ky.	0	0	540	20	534	0	546	13
La.	0	52	52	52	225	52	685	0
Me.	0	10,733	10,733	10,733	10,733	0	11,177	0
Md.	0	0	207	44	42	11	2,034	0
Mass.	0	0	0	0	0	0	0	0
Mich.	*	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0	0
Miss.	0	5	5	5	92	230	322	0
Mo.	0	0	668	0	0	0	539	5
Mont.	*	*	*	*	*	*	*	*
Nebr.	0	325	1,196	35	0	1,374	747	2
Nev.	0	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0	0
N. J.	12	1,478	100	2,300	1,636	4,068	2,928	260
N. M.	0	0	441	0	349	0	392	0
N. Y.	*	*	*	*	*	*	*	*
N. C.	0	1	319	329	0	0	3,416	1
N. D.	0	0	572	0	0	45	745	0

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:							
	Nickel	Nitrogen- Ammonia	Nitrogen- Nitrate	Nitrogen- Nitrite	Odor	Oxygen, Dissolved	pH	Phenol
Ohio	144	276	1,272	276	96	387	3,246	111
Okla.	*	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0	0
Tex.	6	3,627	11,570	3,627	0	6,603	11,570	341
Utah	0	0	532	0	0	3,949	938	0
Vt.	0	550	550	550	550	0	550	0
Va.	0	0	187	0	0	0	212	0
Wash.	0	0	212	174	139	0	201	0
W. Va.	0	0	0	0	0	0	0	0
Wisc.	0	38	47	473	0	0	3,269	0
Wyo.	0	0	0	0	0	0	0	0
P. R.	0	0	52	0	138	290	148	0
V. I.	*	*	*	*	*	*	*	*

(a) Included in total examinations. Detailed breakdown not available.

(b) Included in cyanide tests.

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Phosphate	Radioactivity	Sand Analysis	Silicate	Sodium	Solids	Sulfate
Ala.	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0
Ariz.	560	465	0	0	560	560	560
Ark.	*	*	*	*	*	*	*
Cal.	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colo.	0	479	0	0	395	411	399
Conn.	0	463	0	0	300	154	53
Del.	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*
Fla.	0	0	0	0	0	0	950
Ga.	0	0	0	0	0	0	0
Hawaii	0	0	0	84	84	415	84
Ida.	(a)	2	(a)	(a)	(a)	(a)	(a)
Ill.	0	6,075	0	0	0	2,031	1,084
Ind.	2,358	(b)	10	1	1,385	7,341	1,533
Ia.	2,094	49,010	20	2,270	1,274	19,180	12,585
Kans.	0	0	0	0	0	0	0
Ky.	87	0	0	0	73	1,039	574
La.	52	235	19	4	266	256	52
Me.	0	918	0	0	0	4	2
Md.	0	0	0	103	34	1,191	119
Mass.	0	0	0	0	0	0	0
Mich.	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0
Miss.	230	0	0	20	0	0	250
Mo.	4	632	0	362	416 (c)	399	415
Mont.	*	*	*	*	*	*	*
Nebr.	495	0	0	76	730	1,810	815
Nev.	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0
N. J.	20	0	8	2	240	2,236	80
N. M.	0	0	0	0	343	347	356
N. Y.	*	*	*	*	*	*	*
N. C.	4	760	47	317	319	900	321
N. D.	0	749	5	0	505	687	354

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Phosphate	Radioactivity	Sand Analysis	Silicate	Sodium	Solids	Sulfate
Ohio	310	940	110	0	1,811	1,326	398
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	0	0	0	0	0	0	0
S. C.	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0
Tex.	676	350	0	2,347	4,967	4,967	11,570
Utah	538	1,259	0	530	545	1,082	549
Vt.	0	0	0	0	550	10	0
Va.	0	0	0	173	143	174	186
Wash.	178	0	1	117	101	324	116
W. Va.	0	0	0	0	0	0	0
Wisc.	0	0	0	0	0	10,502	0
Wyo.	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	52	0
V. I.	*	*	*	*	*	*	*

(a) Included in total examinations. Detailed breakdown not available.

(b) Total of 936 tests performed by Radiological Health Laboratory in Bureau of Environmental Sanitation.

(c) Based on six months' figures.

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:			
	Sulfide	Turbidity	Zinc	Other
Ala.	0	0	0	0
Alaska	0	0	0	0
Ariz.	150	560	100	760
Ark.	*	*	*	*
Cal.	(a)	(a)	(a)	(a)
Colo.	0	462	384	388
Conn.	0	4,803	0	377
Del.	0	0	0	0
D. C.	*	*	*	*
Fla.	0	0	0	0
Ga.	0	0	0	0
Hawaii	0	84	84	168
Ida.	(a)	(a)	(a)	(a)
Ill.	0	1,545	0	18,699
Ind.	37	2,595	577	2,180
Ia.	145	0	155	135,429 (b)
Kans.	0	0	0	0
Ky.	0	498	8	0
La.	3	644	1	16
Me.	0	10,733	0	14
Md.	5	1,204	0	0
Mass.	0	0	0	0
Mich.	*	*	*	*
Minn.	0	0	0	0
Miss.	0	230	0	0
Mo.	3	364	255	255
Mont.	*	*	*	*
Nebr.	12	493	10	0
Nev.	0	0	0	0
N. H.	0	0	0	0
N. J.	4	1,476	4	120
N. M.	0	355	0	334 (c)
N. Y.	*	*	*	*
N. C.	0	280	83	136
N. D.	0	70	0	1,886

TABLE 1-49. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:			
	Sulfide	Turbidity	Zinc	Other
Ohio	10	1,968	180	1,905 (d)
Okla.	*	*	*	*
Ore.	0	0	0	0
Pa.	0	0	0	0
R. I.	0	0	0	0
S. C.	0	0	0	0
S. D.	*	*	*	*
Tenn.	0	0	0	0
Tex.	0	16	47	3,591
Utah	0	578	525	2,101 (e)
Vt.	0	550	0	550 (f)
Va.	0	0	0	191
Wash.	16	89	2	117 (c)
W. Va.	0	0	0	0
Wisc.	0	0	0	302 (g)
Wyo.	0	0	0	0
P. R.	0	321	138	338
V. I.	*	*	*	*

(a) Included in total examinations. Detailed breakdown not available.

(b) Represents the following examinations: 2,500 iron bacteria; 21,400 pesticides; 12,410 actinomycetes; 4,452 COD; 654 temperature; 5,820 nitrogen, organic; 81,200 organic analysis; 215 acid, volatile; 247 Bicarbonate; 24 specific gravity; 35 polyphosphate; 388 potassium; 750 infrared spectograms; 1,500 emission spectographs; 1,450 gas chromatographs; 912 bacteriological inhibition; 1,340 bacteriological streams (MPN); and 132 settleable solids.

(c) Potassium.

(d) Includes 1,822 sediment examinations; 26 pesticides, and 57 miscellaneous tests not broken down further.

(e) Represents the following examinations; Barium, 526; Boron, 525; Potassium, 525; and Selenium, 525.

(f) Albumenoid nitrogen.

(g) Metal.

TABLE 1-50. SANITARY CHEMISTRY: MILK AND CREAM

	Total Specimens	Total Examinations	Butterfat	Solids
Ala.	*	28,005	13,505	0
Alaska	534	718	534	0
Ariz.	42	468 (a)	2,240	36
Ark.	*	*	*	*
Cal.	1,447	2,779	866	600
Colo.	*	4,813	1,655	0
Conn.	13,434	22,315	10,530	607
Del.	1,071 (b)	1,071	0	0
D. C.	*	*	*	*
Fla.	25,607	60,819	25,607	25,607
Ga.	(c)	50,613	9,327	1,256
Hawaii	2,687 (d)	7,421	2,150	2,142
Ida.	*	5,397	1,803	783
Ill.	*	13,332	1,577	0
Ind.	5,905	12,467	5,309	0
Ia.	447	16,276	806	0
Kans.	11,722	12,492	1,558	103
Ky.	10,253	10,930	3,183	1,001
La.	*	6,837	2,495	1,486
Me.	0 (e)	0	0	0
Md.	11,292	30,694	8,708	0
Mass.	0	0	0	0
Mich.	*	*	*	*
Minn.	0 (f)	0	0	0
Miss.	(c)	110,220	66,184	19,855
Mo.	2,283	4,401	2,283	1,974
Mont.	*	*	*	*
Nebr.	*	1,603	0	0
Nev.	0	0	0	0
N. H.	0	0	0	0
N. J.	*	3,067	1,055	1,055
N. M.	4,290	4,290	0	0
N. Y.	*	4,647	0	0
N. C.	0	0	0	0
N. D.	*	5,376	0	0

TABLE 1-50. SANITARY CHEMISTRY: MILK AND CREAM

	Total Specimens	Total Examinations	Butterfat	Solids
Ohio	339	339	0	0
Okla.	*	*	*	*
Ore.	0	0	0	0
Pa.	0	0	0	0
R. I.	0 (g)	0	0	0
S. C.	*	4,462	1,724	336
S. D.	*	*	*	*
Tenn.	*	10,518	6,135	0
Tex.	*	2,745 (h)	1,091	383
Utah	0	0	0	0
Vt.	0 (f)	0	0	0
Va.	9,931	11,661	1,723	7
Wash.	0	0	0	0
W. Va.	0	0	0	0
Wisc.	0	0	0	0
Wyo.	0	0	0	0
P. R.	*	961	60	0
V. I.	*	*	*	*

- (a) The same specimens tested for other purposes were tested here.
- (b) Tests other than Phosphatase test done by Water Pollution Commission.
- (c) Specimens entered under "Sanitary Bacteriology".
- (d) Hawaii reported the following other sanitary chemistry: frozen desserts, 914 specimens, 914 butterfat examinations; food, 1,254 specimens, and 2,841 various examinations.
- (e) Handled by the Sanitary Engineering Laboratory.
- (f) Performed at the Agriculture Department Laboratories.
- (g) Tests performed by the Division of Animal and Dairy Industry.
- (h) Texas reported also under sanitary chemistry, 19,535 other food, drug, and cosmetic tests.

TABLE 1-50. SANITARY CHEMISTRY: MILK AND CREAM
(Continued)

	Phosphatase	Cryoscope	Sediment	Other
Ala.	13,694	806	0	0
Alaska	184	0	0	0
Ariz.	2,369	0	36	0
Ark.	*	*	*	*
Cal.	1,313	0	0	0
Colo.	1,871	1,287	0	0
Conn.	5,054	4,155	0	1,969 (a)
Del.	1,071	0	0	0
D. C.	*	*	*	*
Fla.	6,402	3,203	0	0
Ga.	11,721	14,755	6,931	6,623 (b)
Hawaii	991	0	2,138	0
Ida.	2,185	605	0	21 (c)
Ill.	11,755	0	0	0
Ind.	5,420	1,738	0	0
Ia.	870	0	0	14,600 (d)
Kans.	10,804	27	0	0
Ky.	4,711	1,472	0	563 (e)
La.	2,506	293	0	57
Me.	0	0	0	0
Md.	9,102	5,825	7,059	0
Mass.	0	0	0	0
Mich.	*	*	*	*
Minn.	0	0	0	0
Miss.	20,053	4,128	0	0
Mo.	0	144	0	0
Mont.	*	*	*	*
Nebr.	0	0	0	1,603 (f)
Nev.	0	0	0	0
N. H.	0	0	0	0
N. J.	951	6	0	0
N. M.	4,290	0	0	0
N. Y.	4,647	0	0	0
N. C.	0	0	0	0
N. D.	5,376	0	0	0

TABLE 1-50. SANITARY CHEMISTRY: MILK AND CREAM
(Continued)

	Phosphatase	Cryoscope	Sediment	Other
Ohio	339	0	0	0
Okla.	*	*	*	*
Ore.	0	0	0	0
Pa.	0	0	0	0
R. I.	0	0	0	0
S. C.	1,304	1,098	0	0
S. D.	*	*	*	*
Tenn.	1,468	2,915	0	0
Tex.	1,221	50	0	0
Utah	0	0	0	0
Vt.	0	0	0	0
Va.	9,931	0	0	0
Wash.	0	0	0	0
W. Va.	0	0	0	0
Wisc.	0	0	0	0
Wyo.	0	0	0	0
P. R.	74	827	0	0
V. I.	*	*	*	*

- (a) Includes the following tests: protein fat ratio, 88; homogenization, 1,781; flavor and odor, 15; neutralization, 24; and acidity, 61. In addition to totals shown in these tables, Connecticut had 532 specimens and 1,151 examinations of other determinations under Sanitary Chemistry.
- (b) Includes 4,964 examinations for specific gravity; 1,645 Q. A. C. examinations, and 14 percent acidity examinations.
- (c) Radioactivity.
- (d) Represents 5,200 examinations for pesticides, and 9,400 for radioactivity.
- (e) Includes 538 temperature tests; 22 dye tests, and 3 silver tests.
- (f) Represents the following examinations; protein, 225; chemical oxygen demand, 664; and potassium, 714.

TABLE 1-51. INDUSTRIAL CHEMISTRY

	Total Specimens	Total Examinations	Arsenic	Lead	Mercury	Gases
Ala.	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Ariz.	6,224	63,049	0	0	0	0
Ark.	*	*	*	*	*	*
Cal.	5,138	22,593 (a)	*	*	*	*
Colo.	20	20	4	6	0	0
Conn.	23,536	160,915	2	60	0	0
Del.	0	0	0	0	0	0
D. C.	*	*	*	*	*	*
Fla.	2,414	2,412 (b)	0	0	0	0
Ga.	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0
Ida.	*	421	0	0	0	0
Ill.	0	0	0	0	0	0
Ind.	0	0	0	0	0	0
Ia.	315	41,653	0	0	260	1,025
Kans.	0 (c)	0	0	0	0	0
Ky.	646	2,485	0	106	0	0
La.	*	3	0	0	0	0
Me.	126	126	0	0	0	0
Md.	1,702	35,834	0	280	0	8
Mass.	0	0	0	0	0	0
Mich.	*	*	*	*	*	*
Minn.	0 (d)	0	0	0	0	0
Miss.	0	0	0	0	0	0
Mo.	*	282	2	273	1	6
Mont.	*	*	*	*	*	*
Nebr.	*	9	0	9	0	0
Nev.	0	0	0	0	0	0
N. H.	0	0	0	0	0	0
N. J.	(e)	0	0	0	0	0
N. M.	21	26	3	10	0	0
N. Y.	*	7,459	0	0	0	0
N. C.	2,613	3,991	0	7	0	0
N. D.	0	0	0	0	0	0

TABLE 1-51. INDUSTRIAL CHEMISTRY

	Total Specimens	Total Examinations	Arsenic	Lead	Mercury	Gases
Ohio	2,017	2,293	0	24	4	17
Okla.	*	*	*	*	*	*
Ore.	0	0	0	0	0	0
Pa.	0	0	0	0	0	0
R. I.	0 (f)	0	0	0	0	0
S. C.	0	0	0	0	0	0
S. D.	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0
Tex.	*	12,641	450	142	2	20
Utah	437	437	48	318	56	5
Vt.	0 (g)	0	0	0	0	0
Va.	0	0	0	0	0	0
Wash.	*	9	0	0	1	0
W. Va.	0	0	0	0	0	0
Wisc.	1,355	1,804	36	38 (h)	(h)	47
Wyo.	0	0	0	0	0	0
P. R.	*	159	0	60	0	0
V. I.	*	*	*	*	*	*

- (a) Total examinations only. No further breakdown available.
- (b) Tests other than radiological chemistry performed by the Division of Radiological and Occupational Health.
- (c) Handled by Sanitary Engineering Laboratory, Environmental Health Services.
- (d) Tests done by the Engineering Laboratories.
- (e) These functions are performed in the Occupational Health Laboratory, Division of Environmental Health.
- (f) Tests performed by the Division of Occupational Health.
- (g) Performed at the Industrial Hygiene Laboratory of the Vermont State Health Department.
- (h) Lead and mercury combined.

TABLE 1-51. INDUSTRIAL CHEMISTRY
(Continued)

	Air	Carbon Monoxide	Radioactivity	Organic Chemical Analysis	Other
Ala.	0	0	0	0	0
Alaska	0	0	0	0	0
Ariz.	0	0	0	0	63,049 (a)
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	0	0	0	10	0
Conn.	0	0	669	389	159,795 (b)
Del.	0	0	0	0	0
D. C.	*	*	*	*	*
Fla.	0	0	2,412	0	0
Ga.	0	0	0	0	0
Hawaii	0	0	0	0	0
Ida.	0	0	421	0	0
Ill.	0	0	0	0	0
Ind.	0	0	0	0	0
Ia.	150	18	0	4,800	35,400 (c)
Kans.	0	0	0	0	0
Ky.	0	0	0	215	2,164 (d)
La.	0	0	0	0	3
Me.	2	0	99	25	0
Md.	0	0	0	489	35,057 (e)
Mass.	0	0	0	0	0
Mich.	*	*	*	*	*
Minn.	0	0	0	0	0
Miss.	0	0	0	0	0
Mo.	0	0	0	0	0
Mont.	*	*	*	*	*
Nebr.	0	0	0	0	0
Nev.	0	0	0	0	0
N. H.	0	0	0	0	0
N. J.	0	0	0	0	0
N. M.	13	0	0	0	0
N. Y.	4,927	0	2,532	0	0
N. C.	0	0	76	0	3,908 (f)
N. D.	0	0	0	0	0

TABLE 1-51. INDUSTRIAL CHEMISTRY
(Continued)

	Air	Carbon Monoxide	Radioactivity	Organic Chemical Analysis	Other
Ohio	69	0	0	12	2,167 (g)
Okla.	*	*	*	*	*
Ore.	0	0	0	0	0
Pa.	0	0	0	0	0
R. I.	0	0	0	0	0
S. C.	0	0	0	0	0
S. D.	*	*	*	*	*
Tenn.	0	0	0	0	0
Tex.	1,784	6	1,218	290	8,729
Utah	6	3	0	1	0
Vt.	0	0	0	0	0
Va.	0	0	0	0	0
Wash.	0	0	0	0	8
W. Va.	0	0	0	0	0
Wisc.	473	0	1,130	45	35
Wyo.	0	0	0	0	0
P. R.	0	0	0	11	88
V. I.	*	*	*	*	*

- (a) Includes 61,763 pesticide examinations, 97 air pollution examinations, and 1,189 miscellaneous examinations not broken down further by type.
- (b) Includes 20 silica examinations, 67 metals examinations, 95 atmospheric dust and 159,613 examinations of numerous types on sewage, sludge, laundry waste, trade waste, thermometers, pipettes and other miscellaneous samples.
- (c) Includes 6,400 atmospheric dust examinations; 9,400 noise level examinations; and 19,600 ventilation examinations.
- (d) Includes 811 pesticide exams; 176 metals exams; 951 silica examinations, and 226 other miscellaneous examinations not broken down further by type.
- (e) Represents the following examinations: dust fall, jars, 610; dust taper, 31,935; oxidents, 67; dust, atmospheric, 489; and metals, 1,956.
- (f) Includes 2,812 air pollution examinations; 953 formaldehyde examinations; and 143 examinations for silica dust, zinc, and miscellaneous

combined as one figure.

- (g) Represents the following: air pollution, 1,952; metals, 22; cyanides, air, 3; and 190 miscellaneous examinations of materials.

TABLE 1-52. TOXICOLOGY

	Total Specimens	Total Exams	Drug Exams	Food, Water and Milk Examinations	Examinations of Tissues and Body Fluids For:		
					Barbiturates	Bromide	Alcohol
Ala.	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	0	0	0	0	0	0	0
Conn.	6,988	10,440	1,646	0	1,146	7	3,491
Del.	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*
Fla.	3,951	4,476	11	65	364	0	746
Ga.	0	0	0	0	0	0	0
Hawaii	275	602	538	0	16	0	6
Ida.	*	28	28	0	0	0	0
Ill.	*	481 (a)	(a)	(a)	110	5	140
Ind.	0	0	0	0	0	0	0
Ia.	9 (b)	1,700	*	*	0	0	0
Kans.	2,632	5,334 (c)	31	1,544	121	8	1,519
Ky.	378	1,276	704	572	0	0	0
La.	*	50	2	19	3	0	2
Me.	398	621	57	120	48	0	242
Md.	0	0	0	0	0	0	0
Mass.	0	0	0	0	0	0	0
Mich.	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0
Mo.	*	11	0	0	2	0	0
Mont.	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0
N. J.	0	0	0	0	0	0	0
N. M.	103	103	0	0	0	0	0
N. Y.	0	0	0	0	0	0	0
N. C.	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0

TABLE 1-52. TOXICOLOGY

	Total Specimens	Total Exams	Drug Exams	Food, Water and Milk Examinations	Examinations of Tissues and Body Fluids For:		
					Barbiturates	Bromide	Alcohol
Ohio	461	461	0	17	0	0	0
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	*	3,403	0	0	195	7	197
S. C.	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0
Tex.	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Vt.	1,040	1,070	10	20	(d)	(d)	800
Va.	0	0	0	0	0	0	0
Wash.	0	0	0	0	0	0	0
W. Va.	0	0	0	0	0	0	0
Wisc.	*	165	0	0	5	7	3
Wyo.	0	0	0	0	0	0	0
P. R.	*	706	0	0	0	0	705
V. I.	*	*	*	*	*	*	*

- (a) The examinations listed may be done on any one of the three kinds of specimens and do not refer only to tissue or body fluids.
- (b) Number of specimens of tissues or body fluids not reported.
- (c) This total includes the following examinations not shown in the body of the table: physical evidence, crime, 95; alcoholic liquors, 70; preservatives, 529; adulteration, 304; filth and contamination, 186; added color, 35; vitamins, 25; minerals, 116; nutrients, 250; mercury in wheat, 3; pesticides, 38; other toxic materials, 7; drug analysis, 31; other, 51.
- (d) Included in "drug levels".

TABLE 1-52. TOXICOLOGY
(Continued)

	Examinations of Tissues and Body Fluids For:						
	Psychotropic Agents	Drug Levels, Miscellaneous	Transaminase	Lead	Arsenic	Mercury	Other Metals
Ala.	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0
Ariz.	0	0	0	0	0	0	0
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	0	0	0	0	0	0	0
Conn.	0	432	0	0	170	0	0
Del.	0	0	0	0	0	0	0
D. C.	*	*	*	*	*	*	*
Fla.	0	41	0	0	46	12	12
Ga.	0	0	0	0	0	0	0
Hawaii	0	0	0	8	4	4	10
Ida.	0	0	0	0	0	0	0
Ill.	5	30	2	27	41	1	20
Ind.	0	0	0	0	0	0	0
Ia.	0	0	0	0	0	0	0
Kans.	37	17	0	61	59	24	50
Ky.	0	0	0	0	0	0	0
La.	0	0	0	8	6	2	1
Me.	4	43	6	10	6	0	0
Md.	0	0	0	0	0	0	0
Mass.	0	0	0	0	0	0	0
Mich.	*	*	*	*	*	*	*
Minn.	0	0	0	0	0	0	0
Miss.	0	0	0	0	0	0	0
Mo.	0	0	0	0	2	1	0
Mont.	*	*	*	*	*	*	*
Nebr.	0	0	0	0	0	0	0
Nev.	0	0	0	0	0	0	0
N. H.	0	0	0	0	0	0	0
N. J.	0	0	0	0	0	0	0
N. M.	0	0	0	30	16	0	5
N. Y.	0	0	0	0	0	0	0
N. C.	0	0	0	0	0	0	0
N. D.	0	0	0	0	0	0	0

TABLE 1-52. TOXICOLOGY
(Continued)

	Examinations of Tissues and Body Fluids For:						
	Psychotropic Agents	Drug Levels, Miscellaneous	Transaminase	Lead	Arsenic	Mercury	Other Metals
Ohio	0	0	0	201	8	5	65
Okla.	*	*	*	*	*	*	*
Ore.	0	0	0	0	0	0	0
Pa.	0	0	0	0	0	0	0
R. I.	74	2,503 (a)	0	0	13	0	4
S. C.	0	0	0	0	0	0	0
S. D.	*	*	*	*	*	*	*
Tenn.	0	0	0	0	0	0	0
Tex.	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Vt.	(b)	140	0	10	10	10	0
Va.	0	0	0	0	0	0	0
Wash.	0	0	0	0	0	0	0
W. Va.	0	0	0	0	0	0	0
Wisc.	0	0	0	31	36	0	20
Wyo.	0	0	0	0	0	0	0
P. R.	0	0	0	0	0	0	0
V. I.	*	*	*	*	*	*	*

(a) Toxicology laboratory performs tests for the horse racing commission in Rhode Island and tests for race horses are included in this figure.

(b) Included in "drug levels".

TABLE 1-52. TOXICOLOGY
(Continued)

	Examinations of Tissues and Body Fluids For:				
	Carbon Monoxide	Poisons	Narcotics	Methemoglobin	Other
Ala.	0	0	0	0	0
Alaska	0	0	0	0	0
Ariz.	0	0	0	0	0
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	0	0	0	0	0
Conn.	194	0	1,580	10	1,764
Del.	0	0	0	0	0
D. C.	*	*	*	*	*
Fla.	86	90	760	7	2,236 (a)
Ga.	0	0	0	0	0
Hawaii	0	0	16	0	0
Ida.	0	0	0	0	0
Ill.	27	25	15	3	30
Ind.	0	0	0	0	0
Ia.	0	100	0	0	1,600 (b)
Kans.	10	79	34	0	0
Ky.	0	0	0	0	0
La.	0	0	0	0	7
Me.	42	41	0	0	2
Md.	0	0	0	0	0
Mass.	0	0	0	0	0
Mich.	*	*	*	*	*
Minn.	0	0	0	0	0
Miss.	0	0	0	0	0
Mo.	0	5	1	0	0
Mont.	*	*	*	*	*
Nebr.	0	0	0	0	0
Nev.	0	0	0	0	0
N. H.	0	0	0	0	0
N. J.	0	0	0	0	0
N. M.	0	37	0	0	15
N. Y.	0	0	0	0	0
N. C.	0	0	0	0	0
N. D.	0	0	0	0	0

TABLE 1-52. TOXICOLOGY
(Continued)

	Examinations of Tissues and Body Fluids For:				
	Carbon Monoxide	Poisons	Narcotics	Methemoglobin	Other
Ohio	0	79	0	0	86 (c)
Okla.	*	*	*	*	*
Ore.	0	0	0	0	0
Pa.	0	0	0	0	0
R. I.	30	0	127	0	253 (d)
S. C.	0	0	0	0	0
S. D.	*	*	*	*	*
Tenn.	0	0	0	0	0
Tex.	0	0	0	0	0
Utah	0	0	0	0	0
Vt.	40	0	0	0	30
Va.	0	0	0	0	0
Wash.	0	0	0	0	0
W. Va.	0	0	0	0	0
Wisc.	0	0	0	48	15
Wyo.	0	0	0	0	0
P. R.	1	0	0	0	0
V. I.	*	*	*	*	*

(a) Includes 2,196 paranitrophenol (urine) examinations.

(b) Pesticides.

(c) Includes 84 copper and 2 trichloroacetic acid examinations.

(d) Represents 212 blood typings and 41 miscellaneous examinations.

SECTION II

STAFFING

TABLE 2-1. LABORATORY STAFFING

	Total Budgeted Positions	Professional and Technical Positions (a)	Non-Technical Positions (b)	Administrative and Clerical Positions	Maintenance Positions (c)
Ala.	114 ¹¹	51	28	19	16
Alaska	24	12	3	9	0
Ariz.	39 ²	24	6	8	1
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	36 ² ⁽⁶⁾	28	3	5	0
Conn.	143 ⁷	81	32	30	0
Del.	18	15	0	3	0
D. C.	*	*	*	*	*
Fla.	175 ³	100	39	36	0
Ga.	127	65	33	28	1
Hawaii	31 ³	18	7	6	0
Ida.	24	15	5	4	0
Ill.	196 ⁴	101	45	50	0
Ind.	69 ¹⁹	41	12	16	0
Ia.	63 ²	41	10	12	0
Kans.	*	*	*	*	*
Ky.	68 ²⁰	36	19	12	1
La.	156 ⁵	77	30	49	0
Me.	15	7	4	4	0
Md.	166 ⁵	104	37	23	2
Mass.	173 ¹	96	44	28	5
Mich.	*	*	*	*	*
Minn.	70 ¹⁴	41	14	15	0
Miss.	43 ⁵	24	11	8	0
Mo.	34 ⁴⁷	20	7	7	0
Mont.	*	*	*	*	*
Nebr.	*	*	*	*	*
Nev.	14	11	0	3	0
N. H.	20	12	3	5	0
N. J.	135	90	28	17	0
N. M.	35 ²⁴	20	5	10	0
N. Y.	555 ¹	325	104	90	36
N. C.	97 ¹²	61	13	17	6
N. D.	23	11	4	6	2

TABLE 2-1. LABORATORY STAFFING

	Total Budgeted Positions	Professional and Technical Positions (a)	Non-Technical Positions (b)	Administrative and Clerical Positions	Maintenance Positions (c)
Ohio	84	51	19	11	3
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	86	50	17	18	1
R. I.	37	22	7	7	1
S. C.	55 (d)	33	5	10	7
S. D.	*	*	*	*	*
Tenn.	134	71	35	28	0
Tex.	89 (e)	60 (e)	15 (e)	14 (e)	0
Utah	32	19	4	6	3
Vt.	22	14	3	5	0
Va.	72	41	13	18	0
Wash.	*	*	*	*	*
W. Va.	36	21	2	9	4
Wisc.	122	71	17	34	0
Wyo.	4	2	0	2	0
P. R.	93	53	13	11	16
V. I.	*	*	*	*	*

- (a) Includes Laboratory Assistants and Laboratory Helpers who contribute directly to the performance of laboratory tests.
- (b) Includes personnel assigned to cleaning and sterilizing glassware, taking care of animals, and janitorial and messenger duties.
- (c) Includes those who perform installation, repair, and preventive maintenance on equipment.
- (d) Includes 2 part-time student clerical helpers, and 5 part-time student non-technical helpers and assistants.
- (e) Central Laboratory personnel only.

TABLE 2-2. PERSONNEL DISTRIBUTION

	PERCENT OF TOTAL			
	Professional and Technical Positions	Non-Technical Positions	Administrative and Clerical Positions	Maintenance Positions
Ala.	44.7	24.6	16.7	14.0
Alaska	50.0	12.5	37.5	0.0
Ariz.	61.5	15.4	20.5	2.5
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	77.8	8.3	13.9	0.0
Conn.	56.6	22.4	21.0	0.0
Del.	83.3	0.0	16.7	0.0
D. C.	*	*	*	*
Fla.	57.1	22.3	20.6	0.0
Ga.	51.2	26.0	22.0	0.8
Hawaii	58.1	22.6	19.6	0.0
Ida.	62.5	20.8	16.7	0.0
Ill.	51.5	23.0	25.5	0.0
Ind.	59.4	17.4	23.2	0.0
Ia.	65.1	15.9	19.0	0.0
Kans.	*	*	*	*
Ky.	52.9	27.9	17.6	1.5
La.	49.4	19.2	31.4	0.0
Me.	46.7	26.7	26.7	0.0
Md.	62.7	22.3	13.9	1.2
Mass.	55.5	25.4	16.2	2.9
Mich.	*	*	*	*
Minn.	58.6	20.0	21.4	0.0
Miss.	55.8	25.6	18.6	0.0
Mo.	58.8	20.6	20.6	0.0
Mont.	*	*	*	*
Nebr.	*	*	*	*
Nev.	78.6	0.0	21.4	0.0
N. H.	60.0	15.0	25.0	0.0
N. J.	66.7	20.7	12.6	0.0
N. M.	57.1	14.3	28.6	0.0
N. Y.	58.6	18.7	16.2	6.5
N. C.	62.9	13.4	17.5	6.2
N. D.	47.8	17.4	26.1	8.7

TABLE 2-2. PERSONNEL DISTRIBUTION

	PERCENT OF TOTAL			
	Professional and Technical Positions	Non-Technical Positions	Administrative and Clerical Positions	Maintenance Positions
Ohio	60.7	22.6	13.1	3.6
Okla.	*	*	*	*
Ore.	*	*	*	*
Pa.	58.1	19.8	20.9	1.2
R. I.	59.5	18.9	18.9	2.7
S. C.	60.0	9.1	18.2	12.7
S. D.	*	*	*	*
Tenn.	53.0	26.1	20.9	0.0
Tex.	67.4 (a)	16.9	15.7	0.0
Utah	59.4	12.5	18.8	9.4
Vt.	63.6	13.6	22.7	0.0
Va.	56.9	18.1	25.0	0.0
Wash.	*	*	*	*
W. Va.	58.3	5.6	25.0	11.1
Wisc.	58.2	13.9	27.9	0.0
Wyo.	50.0	0.0	50.0	0.0
P. R.	57.0	14.0	11.8	17.2
V. I.	*	*	*	*

(a) Central Laboratory only.

SECTION III

FINANCES

TABLE 3-1. LABORATORY EXPENDITURES BY MAJOR PURPOSE

	Total Expenditures	Expenditures For Salaries	% of Total Expenditures For Salaries	Expenditures For Supplies	% of Total Expenditures For Supplies
Ala.	\$ 600,000	\$ 500,000	83.3	\$ 57,000	9.5
Alaska	224,005	134,819	60.2	19,503	8.7
Ariz.	218,527	175,379	80.3	17,722	8.1
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	266,667	195,200	73.2	65,700	24.6
Conn.	908,900	789,500	86.9	94,100	10.4
Del.	148,450	99,100	66.8	31,700	21.4
D. C.	*	*	*	*	*
Fla.	894,200	599,100	67.0	95,900	10.7
Ga.	787,508	592,200	75.2	102,300 (a)	13.0 (a)
Hawaii	240,514	209,800	87.2	21,600	9.0
Ida.	177,761	132,000	74.3	32,521	18.3
Ill.	1,446,519	1,101,300	76.1	109,700	7.6
Ind.	386,524 (b)	383,599	99.2 (b)	(b)	(b)
Ia.	551,195	349,067	63.3	128,980 (c)	23.4
Kans.	*	*	*	*	*
Ky.	431,217	324,728	75.3	67,199	15.6
La.	800,604	627,046	78.3	91,288	11.4
Me.	89,903	70,367	78.3	10,159	11.3
Md.	*	*	*	*	*
Mass.	1,351,800	1,037,900	76.8	222,100	16.4
Mich.	*	*	*	*	*
Minn.	393,400	315,718	80.3	64,238	16.3
Miss.	199,900	152,200	76.1	45,800 (d)	22.9
Mo.	199,800	141,300	70.7	27,700	13.9
Mont.	*	*	*	*	*
Nebr.	*	*	*	*	*
Nev.	123,551	88,355	71.5	10,750	8.7
N. H.	*	*	*	*	*
N. J.	947,922	608,187	64.2	104,484	11.0
N. M.	200,800	150,900	75.1	20,800	10.4
N. Y.	4,951,477	2,447,600	49.4	313,900	6.3
N. C.	710,665	433,788	61.0	174,167	24.5
N. D.	145,931	110,900	76.0	18,900	12.9

TABLE 3-1. LABORATORY EXPENDITURES BY MAJOR PURPOSE

	Total Expenditures	Expenditures For Salaries	% of Total Expenditures For Salaries	Expenditures For Supplies	% of Total Expenditures For Supplies
Ohio	452,204	388,970	86.0	34,485	7.6
Okla.	217,635	204,755	94.1	11,680 (a)	5.4 (a)
Ore.	*	*	*	*	*
Pa.	518,334	392,000	75.6	101,200	19.5
R. I.	248,400	217,100	87.4	20,200	8.1
S. C.	191,403	164,215	85.8	29,914 (a)	15.6 (a)
S. D.	*	*	*	*	*
Tenn.	778,800	676,300	86.8	44,700	5.7
Tex.	1,160,400	947,300	81.6	71,000	6.1
Utah	222,058	171,960	77.4	21,500	9.7
Vt.	153,687	118,600	77.2	22,100	14.4
Va.	383,412	312,685	81.6	42,531	11.1
Wash.	*	*	*	*	*
W. Va.	194,074	159,500	82.2	15,524	8.0
Wisc.	781,900	636,700	81.4	99,300	12.7
Wyo.	26,685	23,248	87.1	2,223	8.3
P. R.	242,226	214,806	88.7	14,000	5.8
V. I.	*	*	*	*	*

- (a) Supplies and equipment are shown as one sum.
 (b) Includes only salaries and travel. Other operating expenses are not broken down by programs and are not available.
 (c) Reported as General Expense.
 (d) Includes supplies, equipment, maintenance of equipment, printing, postage, freight, and express.

TABLE 3-1. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

	Expenditures For Equipment	% of Total Expenditures For Equipment	Expenditures For Travel	% of Total Expenditures For Travel	Other Expenditures	% of Total For Other Expenses
Ala.	\$ 6,300	1.1	\$ 7,000	1.16	\$ 29,700	4.95
Alaska	23,352	10.4	635	0.28	45,696	20.39
Ariz.	0	0.0	1,649	0.75	23,777	10.88
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	12,800	4.8	3,000	1.12	0	0.00
Conn.	12,500	1.4	1,800	0.19	11,000	1.21
Del.	8,200	5.5	2,100	1.41	7,350	4.95
D. C.	*	*	*	*	*	*
Fla.	3,800	0.4	15,000	1.67	180,400	20.17
Ga.	(a)	(a)	5,500	0.69	87,508	11.11
Hawaii	4,900	2.0	700	0.29	3,514	1.46
Ida.	2,000	1.1	4,200	2.36	7,040	3.96
Ill.	26,000	1.8	4,800	0.33	204,719	14.15
Ind.	(b)	(b)	2,925	0.75	(b)	(b)
Ia.	37,161	6.7	*	*	35,987	6.52
Kans.	*	*	*	*	*	*
Ky.	0	0.0	3,453	0.80	35,837	8.31
La.	12,461	1.6	3,151	0.39	66,658	8.32
Me.	677	0.8	1,052	1.17	7,648	8.50
Md.	*	*	*	*	*	*
Mass.	15,600	1.2	6,800	0.50	69,400	5.13
Mich.	*	*	*	*	*	*
Minn.	2,392	0.6	787	0.20	10,265	2.60
Miss.	(c)	(c)	1,900	0.95	(c)	(c)
Mo.	5,700	2.9	3,200	1.60	21,900	10.96
Mont.	*	*	*	*	*	*
Nebr.	*	*	*	*	*	*
Nev.	9,088	7.4	1,333	1.07	14,025	11.35
N. H.	*	*	*	*	*	*
N. J.	191,168	20.2	7,926	0.83	36,157	3.81
N. M.	1,700	0.8	1,200	0.59	26,200	13.04
N. Y.	70,000	1.4	31,200	0.63	2,088,777	42.18
N. C.	50,063	7.0	3,498	0.49	49,149	6.91
N. D.	1,500	1.0	2,700	1.85	11,931	8.17

TABLE 3-1. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

	Expenditures For Equipment	% of Total Expenditures For Equipment	Expenditures For Travel	% of Total Expenditures For Travel	Other Expenditures	% of Total For Other Expenses
Ohio	19,542	4.3	2,205	0.48	7,002	1.54
Okla.	(a)	(a)	1,200	0.55	0	0.00
Ore.	*	*	*	*	*	*
Pa.	12,000	2.3	6,200	1.19	6,934	1.33
R. I.	5,600	2.3	1,200	0.48	4,300	1.73
S. C.	(a)	(a)	3,059	1.60	0	0.00
S. D.	*	*	*	*	*	*
Tenn.	0	0.0	4,500	0.57	53,300	6.84
Tex.	25,100	2.2	5,300	0.45	111,700	9.62
Utah	5,820	2.6	840	0.37	21,938	9.87
Vt.	800	0.5	1,500	0.97	10,687	6.95
Va.	1,889	0.5	2,186	0.57	24,121	6.29
Wash.	*	*	*	*	*	*
W. Va.	1,000	0.5	2,000	1.03	16,050	8.27
Wisc.	14,900	1.9	2,000	0.25	29,000	3.70
Wyo.	237	0.9	264	0.98	713	2.67
P. R.	8,000	3.3	2,970	1.23	2,450	1.01
V. I.	*	*	*	*	*	*

(a) Supplies and equipment are shown as one sum.

(b) Includes only salaries and travel. Other operating expenses are not broken down by programs and are not available.

(c) Included in figure shown under supplies.

TABLE 3-2. LABORATORY EXPENDITURES

	Estimated Population (a)	Laboratory Expenditures	Laboratory Expenditures Per Capita	Health Department Expenditures	Lab Expenditures As % of Health Dept. Expenditures
Ala.	3,407,000	\$ 600,000	\$ 0.176	\$ 4,000,000	15.0
Alaska	250,000	224,005	0.896	*	*
Ariz.	1,581,000	218,527	0.138	1,647,555	13.3
Ark.	1,933,000	*	*	*	*
Cal.	18,084,000	*	*	*	*
Colo.	1,966,000	266,667	0.136	6,956,641	3.8
Conn.	2,766,000	908,900	0.329	5,600,700	16.2
Del.	491,000	148,450	0.302	1,649,000	9.0
D. C.	808,000	*	*	*	*
Fla.	5,705,000	894,200	0.157	36,858,000	2.4
Ga.	4,294,000	787,508	0.183	8,716,606	9.0
Hawaii	701,000	240,514	0.343	20,236,514	1.2
Ida.	692,000	177,761	0.257	1,658,600	10.7
Ill.	10,489,000	1,446,519	0.138	8,034,989	18.0
Ind.	4,825,000	386,524 (b)	0.080 (b)	3,893,633	9.9 (b)
Ia.	2,756,000	551,195	0.200	*	*
Kans.	2,225,000	*	*	*	*
Ky.	3,159,000	431,217	0.137	4,602,844	9.4
La.	3,468,000	800,604	0.231	11,200,000	7.1
Me.	989,000	89,903	0.091	3,641,919	2.5
Md.	3,432,000	*	*	*	*
Mass.	5,338,000	1,351,800	0.253	12,202,370	11.1
Mich.	8,098,000	*	*	*	*
Minn.	3,521,000	393,400	0.112	*	*
Miss.	2,314,000	199,900	0.086	2,481,600	8.1
Mo.	4,409,000	199,800	0.045	3,510,948	5.7
Mont.	705,000	*	*	*	*
Nebr.	1,480,000	*	*	*	*
Nev.	408,000	123,551	0.303	1,826,716	6.8
N. H.	654,000	*	*	*	*
N. J.	6,682,000	947,922	0.142	9,036,000	10.5
N. M.	1,008,000	200,800	0.199	2,259,311	8.9
N. Y.	17,915,000	4,951,477	0.276	70,480,528	7.0
N. C.	4,852,000	710,665	0.146	7,598,285	9.4
N. D.	645,000	145,931	0.226	1,037,209	14.1

TABLE 3-2. LABORATORY EXPENDITURES

	Estimated Population (a)	Laboratory Expenditures	Laboratory Expenditures Per Capita	Health Department Expenditures	Lab Expenditures As % of Health Dept. Expenditures
Ohio	10,100,000	452,204	0.045	23,170,383	2.0
Okla.	2,465,000	217,635	0.088	2,789,073	7.8
Ore.	1,871,000	*	*	*	*
Pa.	11,459,000	518,334	0.045	15,987,778	3.2
R. I.	914,000	248,400	0.272	*	*
S. C.	2,555,000	191,403	0.075	5,482,155	3.5
S. D.	715,000	*	*	*	*
Tenn.	3,798,000	778,800	0.205	6,822,200	11.4
Tex.	10,397,000	1,160,400	0.112	14,000,000	8.3
Utah	992,000	222,058	0.224	1,986,452	11.2
Vt.	409,000	153,687	0.376	1,588,307	9.7
Va.	4,378,000	383,412	0.088	22,824,761	1.7
Wash.	2,984,000	*	*	*	*
W. Va.	1,797,000	194,074	0.108	2,258,658	8.6
Wisc.	4,107,000	781,900	0.190	*	*
Wyo.	343,000	26,685	0.078	1,066,115	2.5
P. R.	2,584,000	242,226	0.094	65,680,780	0.4
V. I.	40,600	*	*	*	*

(a) Estimated population as of July 1, 1964. Taken from Statistical Abstract of the United States: 1965. U. S. Bureau of the Census. (86th edition). p. 11.

(b) Includes only salaries and travel.

TABLE 3-3. RANKING OF STATES BY EXPENDITURES AND BY EXPENDITURES PER CAPITA (a)

Rank	State	Expenditures	State	Per Capita Expenditures
1	N. Y.	\$ 4,951,477	Alaska	0.896
2	Ill.	1,446,519	Vt.	0.376
3	Mass.	1,351,800	Hawaii	0.343
4	Tex.	1,160,400	Conn.	0.329
5	N. J.	947,922	Nev.	0.303
6	Conn.	908,900	Del.	0.302
7	Fla.	894,200	N. Y.	0.276
8	La.	800,604	R. I.	0.272
9	Ga.	787,508	Ida.	0.257
10	Wisc.	781,900	Mass.	0.253
11	Tenn.	778,800	La.	0.231
12	N. C.	710,665	N. D.	0.226
13	Ala.	600,000	Utah	0.224
14	Iowa	551,195	Tenn.	0.205
15	Pa.	518,334	Iowa	0.200
16	Ohio	452,204	N. M.	0.199
17	Ky.	431,217	Wisc.	0.190
18	Minn.	393,400	Ga.	0.183
19	Ind. (b)	386,524	Ala.	0.176
20	Va.	383,412	Fla.	0.157
21	Colo.	266,667	N. C.	0.146
22	R. I.	248,400	N. J.	0.142
23	P. R.	242,226	Ariz.	0.138
24	Hawaii	240,514	Ill.	0.138
25	Alaska	224,005	Ky.	0.137

TABLE 3-3. RANKING OF STATES BY EXPENDITURES AND BY EXPENDITURES PER CAPITA (a)

Rank	State	Expenditures	State	Per Capita Expenditures
26	Utah	222,058	Colo.	0.136
27	Ariz.	218,527	Minn.	0.112
28	Okla.	217,635	Tex.	0.112
29	N. M.	200,800	W. Va.	0.108
30	Miss.	199,900	P. R.	0.094
31	Mo.	199,800	Me.	0.091
32	W. Va.	194,074	Okla.	0.088
33	S. C.	191,403	Va.	0.088
34	Ida.	177,761	Miss.	0.086
35	Vt.	153,687	Ind.	0.080 (b)
36	Del.	148,450	Wyo.	0.078
37	N. D.	145,931	S. C.	0.075
38	Nev.	123,551	Mo.	0.045
39	Me.	89,903	Pa.	0.045
40	Wyo.	26,685	Ohio	0.045

(a) States not included in Table: Arkansas, California, D. C., Kansas, Maryland, Michigan, Montana, Nebraska, New Hampshire, Oregon, South Dakota, Washington, and the Virgin Islands.

(b) Includes salaries and travel only.

SECTION IV

FACILITIES

TABLE 4-1. NET SPACE ASSIGNED TO LABORATORIES

	Microbiology (a) (Sq. Ft.)	Serology (Sq. Ft.)	Virology (Sq. Ft.)	Chemistry (b) (Sq. Ft.)	Other Labs (c) (Sq. Ft.)	Total Space - Professional and Technical (Sq. Ft.)
Ala. (d)	4,396	3,426	286	176	0	8,284
Alaska (d)	3,900	2,100	200	212	0	6,412
Ariz. (d)	2,108	572	230	1,455	0	4,365
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	4,100	1,200	1,200	1,600	600	8,700
Conn.	3,640	1,800	4,000	7,420	1,930	18,790
Del.	1,163	458	0	473	977	3,071
D. C.	*	*	*	*	*	*
Fla. (d)	7,365	2,245	1,795	1,440	3,545	16,390
Ga. (d)	7,836	2,964	1,474	0	1,069	13,343
Hawaii (d)	4,341	276	579	1,428	1,594	8,218
Ida. (d)	1,655	420	447	1,082	2,219	5,823
Ill. (d)	9,488	3,896	850	4,300	2,860	21,394
Ind.	3,456	1,300	1,123	3,510	0	9,389
Ia. (d)	816	1,176	1,250	4,289	1,519	9,050
Kans.	*	*	*	*	*	*
Ky. (d)	4,880	1,833	1,880	5,187	6,187	19,967
La. (d)	12,813	2,844	1,503	4,608	1,110	22,878
Me.	950	345	0	0	0	1,295
Md.	*	*	*	*	*	*
Mass.	*	*	*	*	*	*
Mich.	*	*	*	*	*	*
Minn.	2,628	1,446	2,131	0	640	6,845
Miss.	*	*	*	*	*	*
Mo.	1,445	663	289	867	0	3,264
Mont.	*	*	*	*	*	*
Nebr.	*	*	*	*	*	*
Nev. (d)	1,451	254	250	0	749	2,704
N. H.	1,016	260	390	0	871	2,537
N. J. (d)	2,710	364	0	1,000	944	5,018
N. M. (d)	2,004	972	372	1,347	0	4,695
N. Y.	*	*	*	*	*	*
N. C.	3,000	1,364	2,031	2,063	1,081	9,539
N. D. (d)	1,666	741	450	643	2,220	5,720

TABLE 4-1. NET SPACE ASSIGNED TO LABORATORIES

	Microbiology (a) (Sq. Ft.)	Serology (Sq. Ft.)	Virology (Sq. Ft.)	Chemistry (b) (Sq. Ft.)	Other Labs (c) (Sq. Ft.)	Total Space - Professional and Technical (Sq. Ft.)
Ohio (d)	3,087	904	438	3,118	897	8,444
Okla.	*	*	*	*	*	*
Ore.	*	*	*	*	*	*
Pa.	2,300	800	1,000	0	1,000	5,100
R. I.	800	400	0	800	1,240	3,240
S. C.	*	*	*	*	*	*
S. D.	*	*	*	*	*	*
Tenn. (d)	17,611	5,800	755	0	6,010	30,176
Tex.	4,939	3,700	4,500	2,310	0	15,449
Utah	407	401	400	1,512	569	3,289
Vt.	590	515	475	810	480	2,870
Va.	*	*	*	*	*	*
Wash.	1,658	391	1,287	432	1,838	5,606
W. Va.	3,916	1,600	750	0	1,340	7,606
Wisc.	3,791	1,209	2,079	3,148	7,125	17,352
Wyo.	256	296	0	360	0	912
P. R.	2,240	989	579	1,576	2,555	7,939
V. I.	*	*	*	*	*	*

(a) Includes Diagnostic Bacteriology, Sanitary Bacteriology, Mycology, and Parasitology.

(b) Includes Sanitary Chemistry, Industrial Chemistry, and Toxicology.

(c) Includes Hematology, Pathology, Clinical Chemistry, Research, and Other.

(d) Includes branch laboratories.

TABLE 4-2. NET SPACE ASSIGNED TO LABORATORY SERVICES

	Glassware and Media Prepa - ration (Sq. Ft.)	Container Preparation (a) (Sq. Ft.)	Animal Facilities (Sq. Ft.)	Mail Room And Specimen Receiving (Sq. Ft.)	Bulk Storage and Other Space (Sq. Ft.)	Total Central Lab Services (Sq. Ft.)
Ala. (b)	4,396	0	1,003	0	0	5,399
Alaska (b)	*	*	*	*	*	950
Ariz. (b)	1,631	0	406	350	1,533	3,920
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	900	300	200	220	1,500	3,120
Conn.	3,020	2,800	1,065	780	200	7,865
Del.	396	344	226	152	90	1,208
D. C.	*	*	*	*	*	*
Fla. (b)	4,415	2,440	1,065	755 (c)	2,815	11,490
Ga. (b)	3,085	3,650	1,454	432	1,591	10,212
Hawaii (b)	1,490	595	247	0	695	3,027
Ida. (b)	1,140	0	588 (d)	567 (e)	974	3,269
Ill. (b)	6,166	3,105	3,400	1,050	11,100	24,821
Ind.	2,290	640	0	100	0	3,030
Ia. (b)	1,092	1,011	1,076	210	1,439	4,828
Kans.	*	*	*	*	*	*
Ky. (b)	2,008	2,665	1,248	691 (c)	5,075	11,687
La. (b)	5,111	170	11,258	624	4,269	21,432
Me.	500	266	0	0	1,000	1,766
Md.	*	*	*	*	*	*
Mass.	*	*	*	*	*	*
Mich.	*	*	*	*	*	*
Minn.	2,425	* (f)	2,412	* (f)	7,825 (f)	12,662
Miss.	*	*	*	*	*	*
Mo.	636	352	320	0	0	1,308
Mont.	*	*	*	*	*	*
Nebr.	*	*	*	*	*	*
Nev. (b)	876	558	0	0	314	1,748
N. H.	572	0	1,230	0	0	1,802
N. J. (b)	392	432	413	353	0	1,590
N. M. (b)	1,214	1,590	1,450	462	186	4,902
N. Y.	*	*	*	*	*	*
N. C.	800	1,397	526	1,012	390	4,125
N. D. (b)	839	444	100	275	1,500	3,158

TABLE 4-2. NET SPACE ASSIGNED TO LABORATORY SERVICES

	Glassware and Media Prepa - ration (Sq. Ft.)	Container Preparation (a) (Sq. Ft.)	Animal Facilities (Sq. Ft.)	Mail Room And Specimen Receiving (Sq. Ft.)	Bulk Storage and Other Space (Sq. Ft.)	Total Central Lab Services (Sq. Ft.)
Ohio (b)	1,188	754 (e)	263	0	1,616	3,821
Okla.	*	*	*	*	*	*
Ore.	*	*	*	*	*	*
Pa.	1,100	1,900	600	0	1,500	5,100
R. I.	600	500	630	0	400	2,130
S. C.	*	*	*	*	*	*
S. D.	*	*	*	*	*	*
Tenn. (b)	5,412	11,247 (e)	1,122	165	0	17,946
Tex.	2,112	1,100 (c)	2,926	888 (c)	3,000 (c)	10,026
Utah	644	0	730	0	0	1,374
Vt.	495	235	600	0	600	1,930
Va.	*	*	*	*	*	*
Wash.	1,381	772	465	186 (g)	508	3,312
W. Va.	6,100	0	1,200	700	1,800	9,800
Wisc.	2,102	3,496	2,073	350	1,696	9,717
Wyo.	210 (e)	0	0	0	0	210
P. R.	1,124	160	1,960	80	2,871	6,195
V. I.	*	*	*	*	*	*

(a) Includes Supply Room and Container Storage.

(b) Includes branch laboratories.

(c) Space shared with other Bureaus and Divisions of the State Board of Health.

(d) Space shared with Department of Agriculture.

(e) This space is also used for other purposes.

(f) This figure includes all other space not broken down.

(g) "Specimen Receiving" combined with "Container Preparation".

TABLE 4-3. NET SPACE ASSIGNED TO ADMINISTRATIVE AND CLERICAL USES

	Clerical Offices (Sq. Ft.)	Other Administrative Purposes (Sq. Ft.)	Total Clerical and Administrative (Sq. Ft.)
Ala. (a)	1,102	1,564	2,666
Alaska (a)	950	0	950
Ariz. (a)	1,205	368	1,573
Ark.	*	*	*
Cal.	*	*	*
Colo.	1,000	0	1,000
Conn.	5,250	150	5,400
Del.	607	0	607
D. C.	*	*	*
Fla. (a)	3,778	855	4,633
Ga. (a)	4,900	645	5,545
Hawaii (a)	1,225	0	1,225
Ida. (a)	1,771	968 (b)	2,739
Ill. (a)	8,218	1,200	9,418
Ind.	2,065	0	2,065
Ia. (a)	2,087	0	2,087
Kans.	*	*	*
Ky. (a)	648	4,530 (c)	5,178
La. (a)	8,015	2,311	10,326
Me.	384	0	384
Md.	*	*	*
Mass.	*	*	*
Mich.	*	*	*
Minn.	*	*	*
Miss.	*	*	*
Mo.	1,036	237	1,273
Mont.	*	*	*
Nebr.	*	*	*
Nev.	456	200	656
N. H.	312	364	676
N. J. (a)	1,140	755	1,895
N. M. (a)	1,320	190	1,510
N. Y.	*	*	*
N. C.	1,684	3,519	5,203
N. D. (a)	1,312	0 (d)	1,312

TABLE 4-3. NET SPACE ASSIGNED TO ADMINISTRATIVE AND CLERICAL USES

	Clerical Offices (Sq. Ft.)	Other Administrative Purposes (Sq. Ft.)	Total Clerical and Administrative (Sq. Ft.)
Ohio (a)	1,702	0	1,702
Okla.	*	*	*
Ore.	*	*	*
Pa.	3,200	0	3,200
R. I.	570	0	570
S. C.	*	*	*
S. D.	*	*	*
Tenn. (a)	4,650	471	5,121
Tex. (a)	2,940	4,299 (e)	7,239
Utah	180	239	419
Vt.	540	170	710
Va.	*	*	*
Wash.	*	247	247 (f)
W. Va.	3,400	680	4,080
Wisc.	6,047	1,778	7,825
Wyo.	228	0	228
P. R.	1,091	891	1,982
V. I.	*	*	*

(a) Includes branch laboratories.

(b) Facilities shared with Department of Agriculture.

(c) Areas available to entire Health Department and used by Division of Laboratory Services as needed.

(d) 2,000 sq. ft. available in Medical Science Building.

(e) 1,300 sq. ft. of this is Health Department library used by entire Health Department including laboratory personnel.

(f) Library space only.

TABLE 4-4. SUMMARY OF NET SPACE ASSIGNMENTS

	Professional and Technical (Sq. Ft.)	Laboratory Services (Sq. Ft.)	Administrative and Clerical (Sq. Ft.)	Total Net Space (Sq. Ft.)
Ala. (a)	8,284	5,399	2,666	16,349
Alaska (a)	6,412	950	950	8,312
Ariz. (a)	4,365	3,920	1,573	9,858
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	8,700	3,120	1,000	12,820
Conn.	18,790	7,865	5,400	32,055
Del.	3,071	1,208	607	4,886
D. C.	*	*	*	*
Fla. (a)	16,390	11,490	4,633	32,513
Ga. (a)	13,343	10,211	5,545	29,099
Hawaii (a)	8,218	3,027	1,225	12,470
Ida. (a)	5,823	3,269	2,739	11,831
Ill. (a)	21,394	24,821	9,418	55,633
Ind.	9,389	3,030	2,065	14,484
Ia. (a)	9,050	4,828	2,087	15,965
Kans.	*	*	*	*
Ky. (a)	19,967	11,687	5,178	36,832
La. (a)	22,879	21,431	10,326	54,636
Me.	1,295	1,766	384	3,445
Md.	*	*	*	*
Mass.	*	*	*	*
Mich.	*	*	*	*
Minn.	6,845	12,662	*	19,507
Miss.	*	*	*	*
Mo.	3,264	1,308	1,273	5,845
Mont.	*	*	*	*
Nebr.	*	*	*	*
Nev.	2,704	1,748	656	5,108
N. H.	2,537	1,802	676	5,015
N. J. (a)	5,018	1,590	1,895	8,503
N. M. (a)	4,695	4,902	1,510	11,107
N. Y.	*	*	*	*
N. C.	9,539	4,125	5,203	18,867
N. D.	5,720	3,158	1,312	10,190

TABLE 4-4. SUMMARY OF NET SPACE ASSIGNMENTS

	Professional and Technical (Sq. Ft.)	Laboratory Services (Sq. Ft.)	Administrative and Clerical (Sq. Ft.)	Total Net Space (Sq. Ft.)
Ohio (a)	8,444	3,821	1,702	13,967
Okla.	*	*	*	*
Ore.	*	*	*	*
Pa.	5,100	5,100	3,200	13,400
R. I.	3,240	2,130	570	5,940
S. C.	*	*	*	*
S. D.	*	*	*	*
Tenn. (a)	30,176	17,946	5,121	53,243
Tex.	15,449	10,026	7,239	32,714
Utah	3,289	1,374	419	5,082
Vt.	2,870	1,930	710	5,510
Va.	*	*	*	*
Wash.	5,606	3,312	247	9,165
W. Va.	7,606	9,800	4,080	21,486
Wisc.	17,352	9,717	7,825	34,894
Wyo.	912	210	228	1,350
P. R.	7,939	6,195	1,982	16,116
V. I.	*	*	*	*

(a) Includes branch laboratory space.

TABLE 4-5. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES

	Planning Currently in Progress	Architect Has Been Selected	Construction Funds Appropriated	Plans Have Been Completed	Estimated Net Sq. Ft.	Estimated \$ Cost
Ala.	No (a)	No	No			
Alaska	No					
Ariz.	Yes (b)	No	No	No		
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	No					
Conn.	No	Yes	Yes	Yes (c)	33,000	2,000,000
Del.	No					
D. C.	*	*	*	*	*	*
Fla.	Yes	No	No	No (d)	6,000	250,000
Ga.	No					
Hawaii	No					
Ida.	No (e)					
Ill.	Yes	Yes	Yes	No (f)	97,500	7,000,000
Ind.	No					
Ia.	Yes	Yes	No	No (f)	1,800	20,500
Kans.	*	*	*	*	*	*
Ky.	No					
La.	Yes	Yes	No	No (f)	*	*
Me.	Yes	Yes	Yes	No (f)	12,000	420,000
Md.	Yes	Yes	No	No	81,900	6,000,000
Mass.	No					
Mich.	*	*	*	*	*	*
Minn.	Yes	Yes	Yes	No (f)	165,000 (g)	4,880,000
Miss.	No					
Mo.	No					
Mont.	*	*	*	*	*	*
Nebr.	*	*	*	*	*	*
Nev.	Yes	No	No	No	*	*
N. H.	*	*	*	*	*	*
N. J.	Yes (h)				46,100	4,500,000
N. M.	Yes	Yes	No	No (i)	31,644	2,107,307
N. Y.	Yes	Yes	Yes	No (f)	275,000	20,000,000
N. C.	Yes	No	No	No	*	*
N. D.	No (a)					

TABLE 4-5. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES

	Planning Currently In Progress	Architect Has Been Selected	Construction Funds Appropriated	Plans Have Been Completed	Estimated Net Sq. Ft.	Estimated \$ Cost
Ohio	Yes	No	Yes	No (j)	40,000	3,000,000
Okla.	Yes	No	Yes	No (j)	26,000 (g)	1,250,000
Ore.	*	*	*	*	*	*
Pa.	Yes	Yes	Yes	No (j)	*	3,700,000
R. I.	Yes	No	No	No	*	*
S. C.	No (e)				38,000	
S. D.	*	*	*	*	*	*
Tenn.	No					
Tex.	No					
Utah	Yes	No	(k)	No	12,500	627,000
Vt.	Yes	No	No	No	11,000 (g)	400,000
Va.	Yes	Yes	Yes	No (f)	90,000 (l)	4,500,000
Wash.	Yes	No	No	No	*	*
W. Va.	No					
Wisc.	No					
Wyo.	No					
P. R.	Yes	No	No	No	20,000 (g)	800,000
V. I.	*	*	*	*	*	*

(a) Planning anticipated in Fiscal Year 1967.

(b) Planning Committee has just begun meeting. Plans for lab are in conjunction with possible health department building, and a tentative target date of 5-10 years.

(c) Construction expected to be completed by June 1966.

(d) Plans should be completed by end of FY 68 for addition to central lab. A new building in Tampa (17,000 sq. ft.) is under construction.

(e) New building completed December 1965.

(f) Plans should be completed by the end of FY 66.

(g) Estimated gross square feet.

(h) New building almost ready for occupancy.

(i) Plans should be completed by September 1966 and construction should

begin by FY 68.

- (j) Plans should be completed by the end of FY 67 and construction should begin by FY 68.
- (k) Funds provided for planning and partially for construction.
- (l) Gross sq. ft. for building, in which laboratories for other state agencies will also be housed. The Public Health Laboratory will have approximately 16,500 sq. ft. net space.

SECTION V
STAFF TRAINING

TABLE 5-1. TRAINING OF PROFESSIONAL AND TECHNICAL STAFF IN FORMAL COURSES AND SEMINARS

	Number of Professional and Technical Employees	Number Attending a Formal Course or Seminar	Total Man-Days of Attendance	Average Man-Days of Attendance Per Employee
Ala.	50	4	30	0.60
Alaska	12	0	0	0.00
Ariz.	22	3	23	1.05
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	28	0	0	0.00
Conn.	77	3	23	0.30
Del.	14	3 (a)	(a)	(a)
D. C.	*	*	*	*
Fla.	100	5	39	0.39
Ga.	62	40 (b)	221	3.56
Hawaii	17	1	4	0.24
Ida.	15	1	10	0.67
Ill.	98	7 (c)	10	0.10
Ind.	41	0	0	0.00
Ia.	39	15	117	3.00
Kans.	*	*	*	*
Ky.	35	3	13	0.37
La.	75	10	*	*
Me.	7	1	3	0.43
Md.	96	*	*	*
Mass.	94	*	*	*
Mich.	*	*	*	*
Minn.	39	0	0	0.00
Miss.	24	2	7	0.29
Mo.	19	30	150	7.89
Mont.	*	*	*	*
Nebr.	*	*	*	*
Nev.	10	6	53	5.30
N. H.	12	4	38	3.17
N. J.	84	12	63	0.75
N. M.	20	33	215	10.75
N. Y.	280	28	120	0.43
N. C.	61	14	68	1.11
N. D.	11	1	10	0.91

TABLE 5-1. TRAINING OF PROFESSIONAL AND TECHNICAL STAFF IN FORMAL COURSES AND SEMINARS

	Number of Professional and Technical Employees	Number Attending a Formal Course or Seminar	Total Man-Days of Attendance	Average Man-Days of Attendance Per Employee
Ohio	51	7	60	1.18
Okla.	*	*	*	*
Ore.	*	*	*	*
Pa.	41	3	38	0.93
R. I.	21	6 (c)	19	0.90
S. C.	25	6	60	2.40
S. D.	*	*	*	*
Tenn.	67	6	45	0.67
Tex.	58	3	13	0.22
Utah	19	1	10	0.53
Vt.	14	0	0	0.00
Va.	39	13	108	2.77
Wash.	*	*	*	*
W. Va.	21	12	96	4.57
Wisc.	70	*	60	0.86
Wyo.	2	2	7	3.50
P. R.	53	4	27	0.51
V. I.	*	*	*	*

- (a) Correspondence course in Parasitology of one year's duration presented by the Communicable Disease Center.
- (b) Nine students took Parasitology correspondence course of one year's duration presented by the Communicable Disease Center. This is not included in "Total Man-Days of Attendance" column.
- (c) Three students took the Communicable Disease Center Parasitology correspondence course.

TABLE 5-2. BENCH TRAINING RECEIVED BY PROFESSIONAL AND TECHNICAL STAFF

	Number of Professional and Technical Employees	Number Receiving Bench Training	Total Man-days of Training	Average Man-days of Training per Employee
Ala.	50	0	0	0.00
Alaska	12	0	0	0.00
Ariz.	22	3	13	0.59
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	28	0	0	0.00
Conn.	77	0	0	0.00
Del.	14	10	30	2.14
D. C.	*	*	*	*
Fla.	100	6	22	0.22
Ga.	62	1	5	0.08
Hawaii	17	0	0	0.00
Ida.	15	3	10	0.67
Ill.	98	4	27	0.28
Ind.	41	2	10	0.24
Ia.	39	0	0	0.00
Kans.	*	*	*	*
Ky.	35	0	0	0.00
La.	75	0	0	0.00
Me.	7	1	5	0.71
Md.	96	*	*	*
Mass.	94	*	*	*
Mich.	*	*	*	*
Minn.	39	0	0	0.00
Miss.	24	1	5	0.21
Mo.	19	24	32	1.68
Mont.	*	*	*	*
Nebr.	*	*	*	*
Nev.	10	1	5	0.50
N. H.	12	1	10	0.83
N. J.	84	2	19	0.23
N. M.	20	0	0	0.00
N. Y.	280	0	0	0.00
N. C.	61	*	*	*
N. D.	11	0	0	0.00

TABLE 5-2. BENCH TRAINING RECEIVED BY PROFESSIONAL AND TECHNICAL STAFF

	Number of Professional and Technical Employees	Number Receiving Bench Training	Total Man-days of Training	Average Man-days of Training per Employee
Ohio	51	2	10	0.20
Okla.	*	*	*	*
Ore.	*	*	*	*
Pa.	41	0	0	0.00
R. I.	21	0	0	0.00
S. C.	25	0	0	0.00
S. D.	*	*	*	*
Tenn.	67	1	5	0.07
Tex.	58	16	33	0.57
Utah	19	0	0	0.00
Vt.	14	1	10	0.71
Va.	39	0	0	0.00
Wash.	*	*	*	0.00
W. Va.	21	15	75	3.57
Wisc.	70	0	0	0.00
Wyo.	2	0	0	0.00
P. R.	53	0	0	0.00
V. I.	*	*	*	*

TABLE 5-3. ACADEMIC TRAINING OF LABORATORY STAFFS DURING YEAR REPORTED

	Number of Staff Members Receiving Training	Number Receiving a Degree	Source of Financial Support		
			Personal	State	Federal
Ala.	0				
Alaska	2	2			2
Ariz.	0				
Ark.	*				
Cal.	*				
Colo.	0				
Conn.	10	0	10		
Del.	0				
D. C.	*				
Fla.	1	1			1
Ga.	2	2			2
Hawaii	1	1			1
Ida.	0				
Ill.	0				
Ind.	0				
Ia.	1	0	1		
Kans.	*				
Ky.	0				
La.	3	0		3	
Me.	0				
Md.	3	0	1	2	
Mass.	*				
Mich.	*				
Minn.	0				
Miss.	0				
Mo.	0				
Mont.	*				
Nebr.	*				
Nev.	1	0			1
N. H.	0				
N. J.	12	0	11	1	
N. M.	3	0		3	
N. Y.	41	0		41	
N. C.	2	0	1	1	
N. D.	0				

TABLE 5-3. ACADEMIC TRAINING OF LABORATORY STAFFS DURING YEAR REPORTED

	Number of Staff Members Receiving Training	Number Receiving a Degree	Source of Financial Support		
			Personal	State	Federal
Ohio	0				
Okla.	*				
Ore.	*				
Pa.	1	0			1
R. I.	1	0	1		
S. C.	0				
S. D.	*				
Tenn.	1	1			1
Tex.	0				
Utah	3	0	2		1
Vt.	1	0	*	*	*
Va.	1	1			1
Wash.	*				
W. Va.	0				
Wisc.	0				
Wyo.	0				
P. R.	0				
V. I.	*				

TABLE 5-4. STAFF ATTENDANCE AT SCIENTIFIC MEETINGS

	Number Attending	Number Attending at Personal Expense	Number Attending at State Expense	Number Attending at Expense of Federal Government	Not Indicated
Ala.	7		7		
Alaska	0				
Ariz.	6		4 (a)		1
Ark.	*				
Cal.	*				
Colo.	24		19	1	4
Conn.	33	10	22	1	
Del.	1			1	
D. C.	*				
Fla.	21		21		
Ga.	42		42		
Hawaii	8	7		1	
Ida.	21		5		16
Ill.	43 (b)	2	41		
Ind.	5		5		
Ia.	31		31		
Kans.	*				
Ky.	23				23
La.	28	6	22		
Me.	3		3		
Md.	12	1	11		
Mass.	*				
Mich.	*				
Minn.	3		3		
Miss.	0				
Mo.	2		2		
Mont.	*				
Nebr.	*				
Nev.	0				
N. H.	0				
N. J.	63	1	53	9	
N. M.	13	6	7		
N. Y.	89 (c)	(c)	(c)	(c)	(c)
N. C.	1				1
N. D.	3		1	2	

TABLE 5-4. STAFF ATTENDANCE AT SCIENTIFIC MEETINGS

	Number Attending	Number Attending at Personal Expense	Number Attending at State Expense	Number Attending at Expense of Federal Government	Not Indicated
Ohio	21	8	13		
Okla.	*				
Ore.	*				
Pa.	7		7		
R. I.	28	25	3		
S. C.	7		7		
S. D.	*				
Tenn.	14		14		
Tex.	38	32	6		
Utah	17	16		1	
Vt.	10		10		
Va.	0				
Wash.	*				
W. Va.	9		8	1	
Wisc.	0				
Wyo.	0				
P. R.	0				
V. I.	*				

- (a) In addition, one employee attended at V. D. expense.
- (b) In addition, many regularly attend ISM, Chicago Medical Mycology Society; and a few attend ASCP, ASMT, IMTA, and CMTA.
- (c) No record is available of in-state meetings attended by staff with blanket travel orders. No record is available of meetings attended at own expense and information on other sources is incomplete.

SECTION VI

EMPLOYMENT AND SEPARATIONS

TABLE 6-1. EMPLOYMENT AND SEPARATIONS IN ALL POSITIONS

	Positions Authorized	Positions Filled	Resignations and Other Separations	Employees Hired
Ala.	114	112	17	17
Alaska	24	24	1	4
Ariz.	39	35	10	9
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	36	36	4	9
Conn.	143	137	28	27
Del.	18	17	6	5
D. C.	*	*	*	*
Fla.	175	167	24	41
Ga.	127	122	22	25
Hawaii	31	30	2	2
Ida.	24	24	1	2
Ill.	196	188	32	18
Ind.	69	69	6	9
Ia.	63	61	11	17
Kans.	*	*	*	*
Ky.	68	48	4	8
La.	156	152	29	37
Me.	15	15	2	2
Md.	166	158	19	20
Mass.	173	171	8	9
Mich.	*	*	*	*
Minn.	70	65	14	12
Miss.	43	43	8	10
Mo.	34	33	7	9
Mont.	*	*	*	*
Nebr.	*	*	*	*
Nev.	14	13	7	6
N. H.	20	20	0	0
N. J.	135	127	13	14
N. M.	35	35	8	11
N. Y.	555	505	88	119
N. C.	97	*	18	*
N. D.	23	23	7	7

TABLE 6-1. EMPLOYMENT AND SEPARATIONS IN ALL POSITIONS

	Positions Authorized	Positions Filled	Resignations and Other Separations	Employees Hired
Ohio	84	84	31	33
Okla.	*	*	*	*
Ore.	*	*	*	*
Pa.	86	74	51	55
R. I.	37	35	5	4
S. C.	55 (a)	55	5	5
S. D.	*	*	*	*
Tenn.	134	130	17	11
Tex.	89 (b)	87	*	*
Utah	32	32	4	4
Vt.	22	22	3	3
Va.	72	70	*	*
Wash.	*	*	*	*
W. Va.	36	36	*	*
Wisc.	122	120	23	27
Wyo.	4	4	0	0
P. R.	93	93	*	*
V. I.	*	*	*	*

(a) Includes two part-time student clerical helpers, and five part-time student non-technical helpers and assistants.

(b) Central Laboratory personnel only.

TABLE 6-2. EMPLOYMENT AND SEPARATIONS IN PROFESSIONAL AND TECHNICAL POSITIONS

	Authorized Professional and Technical Positions	Number of Positions Filled	Number of Resignations and Other Separations	Number of Employees Hired
Ala.	51	50	10	10
Alaska	12	12	1	3
Ariz.	24	22	4	4
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	28	28	3	7
Conn.	81	77	20	19
Del.	15	14	5	4
D. C.	*	*	*	*
Fla.	100	92	15	21
Ga.	65	62	15	17
Hawaii	18	17	1	1
Ida.	15	15	0	0
Ill.	101	98	*	*
Ind.	41	41	1	5
Ia.	41	39	4	10
Kans.	*	*	*	*
Ky.	36	35	2	5
La.	77	75	10	16
Me.	7	7	1	1
Md.	104	96	12	13
Mass.	96	94	6	6
Mich.	*	*	*	*
Minn.	41	39	7	5
Miss.	24	24	7	8
Mo.	20	19	7	8
Mont.	*	*	*	*
Nebr.	*	*	*	*
Nev.	11	10	6	5
N. H.	12	12	0	0
N. J.	90	84	7	10
N. M.	20	20	4	8
N. Y.	325	280	47	71
N. C.	61	*	15	*
N. D.	11	11	4	4

TABLE 6-2. EMPLOYMENT AND SEPARATIONS IN PROFESSIONAL AND TECHNICAL POSITIONS

	Authorized Professional and Technical Positions	Number of Positions Filled	Number of Resignations and Other Separations	Number of Employees Hired
Ohio	51	51	15	16
Okla.	*	*	*	*
Ore.	*	*	*	*
Pa.	50	41	22	28
R. I.	22	21	2	2
S. C.	25	25	4	4
S. D.	*	*	*	*
Tenn.	71	67	11	5
Tex.	60 (a)	58	*	*
Utah	19	19	1	1
Vt.	14	14	1	1
Va.	41	39	*	*
Wash.	*	*	*	*
W. Va.	21	21	*	*
Wisc.	71	70	16	18
Wyo.	2	2	0	0
P. R.	53	53	*	*
V. I.	*	*	*	*

(a) Central Laboratory personnel only.

SECTION VII

MISCELLANEOUS INFORMATION

TABLE 7-1. CLINICAL AND HOSPITAL LABORATORIES (a)

	Estimated Population (b)	Clinical and Hospital Laboratories	Clinical and Hospital Laboratories per 100,000 Population
Ala.	3,407,000	*	*
Alaska	250,000	15	6.0
Ariz.	1,581,000	275	17.4
Ark.	1,933,000	*	*
Cal.	18,084,000	*	*
Colo.	1,966,000	135	6.9
Conn.	2,766,000	124	4.5
Del.	491,000	11	2.2
D. C.	808,000	*	*
Fla.	5,705,000	353	6.2
Ga.	4,294,000	215	5.0
Hawaii	701,000	40	5.7
Ida.	692,000	*	*
Ill.	10,489,000	663	6.3
Ind.	4,825,000	214	4.4
Ia.	2,756,000	197	7.1
Kans.	2,225,000	*	*
Ky.	3,159,000	191	6.0
La.	3,468,000	*	*
Me.	989,000	64	6.5
Md.	3,432,000	158	4.6
Mass.	5,338,000	*	*
Mich.	8,098,000	*	*
Minn.	3,521,000	207	5.9
Miss.	2,314,000	202	8.7
Mo.	4,409,000	215	4.9
Mont.	705,000	*	*
Nebr.	1,480,000	151	10.2
Nev.	408,000	*	*
N. H.	654,000	*	*
N. J.	6,682,000	303	4.5
N. M.	1,008,000	*	*
N. Y.	17,915,000	*	*
N. C.	4,852,000	250	5.2
N. D.	645,000	*	*

TABLE 7-1. CLINICAL AND HOSPITAL LABORATORIES (a)

	Estimated Population (b)	Clinical and Hospital Laboratories	Clinical and Hospital Laboratories per 100,000 Population
Ohio	10,100,000	472	4.7
Okla.	2,465,000	*	*
Ore.	1,871,000	*	*
Pa.	11,459,000	446	3.9
R. I.	914,000	53	5.8
S. C.	2,555,000	115	4.5
S. D.	715,000	*	*
Tenn.	3,798,000	156	4.1
Tex.	10,397,000	1,585	15.2
Utah	992,000	38	3.8
Vt.	409,000	16	3.9
Va.	4,378,000	170	3.9
Wash.	2,984,000	*	*
W. Va.	1,797,000	198	11.0
Wisc.	4,107,000	253	6.2
Wyo.	343,000	36	10.5
P.R.	2,584,000	205	7.9
V. I.	40,600	*	*

(a) Laboratories operated by a private physician for his own patients are not included.

(b) Estimated population as of July 1, 1964. Information taken from: Statistical Abstract of the United States: 1965. U. S. Bureau of the Census. (86th Edition). Washington, D. C., 1965, p.11.

TABLE 7-2. LABORATORY LICENSURE AND APPROVAL —
HOSPITAL LABORATORIES

	Registration			Approval			Certification			Licensure		
	Vol.	Req.	Neither	Vol.	Req.	Neither	Vol.	Req.	Neither	Vol.	Req.	Neither
Ala.			x			x			x			x
Alaska			x			x			x			x
Ariz.			x			x			x			x
Ark.	*			*			*			*		
Cal.	*			*			*			*		
Colo.			x			x	x					x
Conn.	x			x	x (a)				x			x
Del.			x		x (a)				x			x
D. C.	*			*			*			*		
Fla.			x		x (a)				x			x
Ga.			x		x				x			x
Hawaii			x			x			x			x
Ida.			x		x (a)				x			x
Ill.	x			x					x			x
Ind.			x	x	x (a)				x			x
Ia.			x	x (b)					x			x
Kans.	*			*			*			*		
Ky.			x			x		x (a)				x
La.			x		x				x			x
Me.			x		x (b)				x			x
Md.	x				x				x		x	
Mass.			x	x					x			x
Mich.	*			*			*			*		
Minn.			x			x			x			x
Miss.			x		x (b)				x			x
Mo.			x			x			x			x
Mont.	*			*			*			*		
Nebr.			x			x			x			x
Nev.			x			x			x			x
N. H.			x			x			x			x
N. J.	x (c)			x					x		x (d)	
N. M.			x	x					x			x
N. Y.			x		x				x			x
N. C.			x		x (b)				x			x
N. D.			x			x			x			x

TABLE 7-2. LABORATORY LICENSURE AND APPROVAL —
HOSPITAL LABORATORIES

	Registration			Approval			Certification			Licensure		
	Vol.	Req.	Neither	Vol.	Req.	Neither	Vol.	Req.	Neither	Vol.	Req.	Neither
Ohio			x	x (a)					x			x
Okla.	*			*			*			*		
Ore.	*			*			*			*		
Pa.			x	x	x (a)				x			x
R. I.			x		x (a)				x			x
S. C.			x			x			x			x
S. D.	*			*			*			*		
Tenn.			x			x			x			x
Tex.	x				x (a)			x (e)				x
Utah			x		x				x			x
Vt.			x	x					x			x
Va.			x			x			x			x
Wash.	*			*			*			*		
W. Va.			x		x (a)				x (a)			x
Wisc.			x	x			x					x
Wyo.			x		x (a)				x			x
P. R.			x			x		x				x
V. I.	*			*			*			*		

(a) Premarital and prenatal syphilis serology only.

(b) Restricted to laboratories performing premarital blood tests for syphilis.

(c) By Board of Medical Examiners if there is an outpatient department.

(d) As required by State Statute, all blood banks are required to obtain a blood banking license on a yearly basis.

(e) Under Medicare.

TABLE 7-3. LABORATORY LICENSURE AND APPROVAL —
CLINICAL LABORATORIES (NON-HOSPITAL)

	Registration			Approval			Certification			Licensure		
	Vol.	Req.	Neither	Vol.	Req.	Neither	Vol.	Req.	Neither	Vol.	Req.	Neither
Ala.			x			x			x			x
Alaska			x		x (a)	x			x			x
Ariz.			x			x			x			x
Ark.	*			*			*			*		
Cal.	*			*			*			*		
Colo.			x			x	x					x
Conn.		x			x (a)	x			x			x
Del.			x		x (a)				x			x
D. C.	*			*			*			*		
Fla.		x (b)			x (a)				x			x
Ga.			x		x				x			x
Hawaii			x			x			x			x
Ida.			x		x				x			x
Ill.		x		x					x		x	
Ind.			x	x	x (a)				x			x
Ia.			x	x (c)					x			x
Kans.	*			*			*			*		
Ky.			x			x		x (a)				x
La.			x			x			x			x
Me.			x		x (c)				x			x
Md.		x			x				x		x	
Mass.			x	x					x			x
Mich.	*			*			*			*		
Minn.			x			x			x			x
Miss.			x		x (c)				x			x
Mo.			x			x			x			x
Mont.	*			*			*			*		
Nebr.			x			x			x			x
Nev.			x			x			x			x
N. H.		x				x			x			x
N. J.		x		x					x		x (d)	
N. M.			x	x					x			x
N. Y.			x		x				x			x
N. C.			x		x (c)				x			x
N. D.			x			x			x			x

TABLE 7-3. LABORATORY LICENSURE AND APPROVAL —
CLINICAL LABORATORIES (NON-HOSPITAL)

	Registration			Approval			Certification			Licensure		
	Vol.	Req.	Neither	Vol.	Req.	Neither	Vol.	Req.	Neither	Vol.	Req.	Neither
Ohio			x	x (a)					x			x
Okla.	*			*			*			*		
Ore.	*			*			*			*		
Pa.		x		x	x (a)				x		x	
R. I.		x			x (a)				x		x	
S. C.			x			x			x			x
S. D.	*			*			*			*		
Tenn.			x			x			x			x
Tex.	x				x (a)			x (e)				x
Utah			x		x				x			x
Vt.			x	x (a)					x			x
Va.			x			x			x			x
Wash.	*			*			*			*		
W. Va.			x		x (a)			x (a)				x
Wisc.			x	x					x			x
Wyo.			x		x (a)				x			x
P. R.			x			x		x				x
V. I.	*			*			*			*		

(a) Premarital and Prenatal Syphilis Serology only.

(b) Non-medically supervised laboratories only.

(c) Restricted to laboratories performing premarital blood tests for syphilis.

(d) As required by State Statute, all blood banks are required to obtain a blood banking license on a yearly basis.

(e) Under Medicare.

TABLE 7-4. PRODUCTION OF BIOLOGICS FOR HUMAN USE

	Typhoid Vaccine	Smallpox Vaccine	Pertussis Vaccine	Diphtheria Toxoid	Diphtheria- Tetanus Toxoid	Diphtheria- Tetanus- Pertussis	Tetanus Toxoid	Old Tuberculin	Silver Nitrate	Fluoride	Other
Ala.											
Alaska											
Ariz.								x			
Ark.											
Cal.											
Colo.											
Conn.									x		
Del.											
D. C.											
Fla.											
Ga.	x										
Hawaii								x	x		
Ida.											
Ill.	x		x	x	x	x	x	x	x	x	x (a)
Ind.											
Ia.											
Kans.										x	
Ky.											
La.											
Me.											
Md.											
Mass.	x	x	x		x	x	x	x	x		x (b)
Mich.	x	x	x		x	x	x	x	x	x	x (c)
Minn.								x			
Miss.	x								x		
Mo.											
Mont.											
Nebr.											
Nev.											
N. H.											
N. J.											
N. M.											
N. Y.											
N. C.											x (d)
N. D.											

TABLE 7-4. PRODUCTION OF BIOLOGICS FOR HUMAN USE

	Typhoid Vaccine	Smallpox Vaccine	Pertussis Vaccine	Diphtheria Toxoid	Diphtheria-Tetanus Toxoid	Diphtheria-Tetanus-Pertussis	Tetanus Toxoid	Old Tuberculin	Silver Nitrate	Fluoride	Other
Ohio											
Okla.											
Ore.											
Pa.											
R. I.											
S. C.								x			
S. D.											
Tenn.	x					x	x	x	x		x (e)
Tex.	x	x	x	x	x	x	x	x	x		
Utah											
Vt.											
Va.								x			
Wash.											
W. Va.											
Wisc.									x		
Wyo.											
P. R.											
V. I.	*	*	*	*	*	*	*	*	*	*	*

- (a) Schick test material, Rabies Vaccine, P.P.D., Diphtheria-Toxoid-Pertussis.
- (b) Normal Horse Serum, Defibrinated horse blood, horse blood and serum blood.
- (c) Typhoid-Paratyphoid Vaccine, Histoplasmin, Diphtheria antitoxin, Tetanus antitoxin, H. influenza B antiserum, Immune serum globulin, normal serum albumin, Fibrinogen, antihemophilic globulin, Diphtheria-Tetanus-Pertussis-Polio, Diphtheria-Tetanus-Polio, Rabies, Diphtheria-Tetanus (Adult).
- (d) Rabbit anti-cryptococcus gamma globulin.
- (e) Schick test material, Penicillin Injectable, Penicillin Tablets, Triple Sulfa Tablets, Erythromycin Tablets, Penicillin V. D., Penicillin-Dental, Immune Globulin, Sterile Double Distilled Water.

TABLE 7-5. AVAILABILITY AND LOCATION OF COMPUTER EQUIPMENT

	Computer Used by Health Department	Computer Physically Located in a Health Department Building	Health Department Lab in Same Building as Computer
Ala.	yes	yes	no
Alaska	no		
Ariz.	no		
Ark.	no		
Cal.	yes	no	no
Colo.	no		
Conn.	yes	yes	no
Del.	yes	yes	yes
D. C.	*	*	*
Fla.	yes	yes	yes
Ga.	yes	yes	yes
Hawaii	yes	no	no
Ida.	yes	yes	no
Ill.	yes	yes	no
Ind.	yes	no	no
Ia.	no		
Kans.	no		
Ky.	yes	yes	yes
La.	no		
Me.	no		
Md.	yes	yes	no
Mass.	yes	yes	no
Mich.	yes	no	no
Minn.	yes	no	no
Miss.	no		
Mo.	no		
Mont.	yes	no	no
Nebr.	yes	yes	yes
Nev.	no		
N. H.	no		
N. J.	yes	yes	yes
N. M.	no		
N. Y.	yes	yes	no
N. C.	no		
N. D.	no		

TABLE 7-5. AVAILABILITY AND LOCATION OF COMPUTER EQUIPMENT

	Computer Used by Health Department	Computer Physically Located in a Health Department Building	Health Department Lab in Same Building as Computer
Ohio	yes	no	no
Okla.	no		
Ore.	no		
Pa.	no		
R. I.	no		
S. C.	no		
S. D.	yes	no	no
Tenn.	no		
Tex.	yes	yes	no
Utah	yes	yes	yes
Vt.	no		
Va.	yes	no	no
Wash.	yes	yes	no
W. Va.	no		
Wisc.	yes	yes	no
Wyo.	no		
P. R.	no		
V. I.	*	*	*

TABLE 7-6. LABORATORY DATA PROCESSING METHODS

	Laboratory Using Computer	Using Punch Card Equipment	Using Hand Methods	Using Combination Hand and Punch Card Methods
Ala.			x	
Alaska			x	
Ariz.			x	
Ark.			x	
Cal.			x	
Colo.			x	
Conn.			x	
Del.			x	
D. C.	*	*	*	*
Fla.	x (a)		x	
Ga.			x	
Hawaii			x	
Ida.			x	
Ill.			x	
Ind.			x	
Ia.			x	
Kans.				x
Ky.			x	
La.			x	
Me.			x	
Md.			x	
Mass.			x	
Mich.			x	
Minn.			x	
Miss.			x	
Mo.			x	
Mont.			x	
Nebr.			x	
Nev.			x	
N. H.			x	
N. J.			x	
N. M.			x	
N. Y.	x			
N. C.			x	
N. D.			x	

TABLE 7-6. LABORATORY DATA PROCESSING METHODS

Laboratory	Using Punch Card Equipment	Using Hand Methods	Using Combination Hand and Punch Card Methods
Ohio		x	
Okla.		x	
Ore.		x	
Pa.		x	
R. I.		x	
S. C.		x	
S. D.		x	
Tenn.			x (b)
Tex.		x	
Utah		x	
Vt.			x
Va.		x	
Wash.		x	
W. Va.		x	
Wisc.	x		
Wyo.		x	
P. R.			x
V. I.	*	*	*

(a) Computer used for calculations of radiochemical analyses and on summarizing data accumulated in the radiological chemistry section.

(b) Punch card equipment is only used to record results of rabies examinations.

TABLE 7-7. PHENYLKETONURIA SCREENING PROGRAM

State	Type	Program	Laboratory Performing Tests				Screening Test (See Key)	Confirmatory Test (See Key)
			Hospital	Clinical	State	Other		
Ala.		Mand.	X	X	X	G	F,FC,P	
Alaska		Mand.	X	X	X	G,FC	F	
Ariz.		Vol.	X	X	X	*	*	
Ark.	*		*			*	*	
Cal.	*		*			*	*	
Colo.		Mand.	X	X	X	G,F	F,P	
Conn.		Mand.	X		X	G	L,O	
Del.		Vol.			X	*	*	
D. C.	*		*			*	*	
Fla.		Vol.	X	X	X	G	F	
Ga.		Mand.	X	X	X	G	F	
Hawaii		Vol. (a)				X		
Ida.		Mand.	X		X	G	P	
Ill.		Vol. (b)	X	X	X	G,F	F,L	
Ind.		Vol.	X	X		G,F,FC,P,O	F	
Ia.		Vol.	X	X	X	G,F,A,FC	*	
Kans.	*		*			*	*	
Ky.		Vol.	X	X	X	G	*	
La.		Mand.	X	X	X	G,FC	F	
Me.		Vol. (c)			X	G	P,F	
Md.		Mand.			X	X	G	L
Mass.		Mand.			X		G	L
Mich.		Mand.	X	X	X	G	L	
Minn.		Mand.	X	X	X	G	P,O	
Miss.	None							
Mo.		Mand.	X	X	X	G,F,FC	F	
Mont.	*		*			*	*	
Nebr.	*		*			*	*	
Nev.		Vol.			X	G	P	
N. H.		Mand.			X	G	P	
N. J.		Mand.	X		X	G,F	P,L	
N. M.		Vol.			X	G	F,P	
N. Y.		Mand.			X	X	G	O
N. C.		Vol.			X		F	*
N. D.		Vol.			X		G	F,L

TABLE 7-7. PHENYLKETONURIA SCREENING PROGRAM

State	Type Program	Laboratory Performing Tests				Screening Test (See Key)	Confirmatory Test (See Key)
		Hospital	Clinical	State	Other		
Ohio	Vol. (d)	X	X	X	X	G	F,P
Okla.	Vol.	X	X	X		G,F	F,O
Ore.	*	*				*	*
Pa.	Mand.	X	X	X	X	G	F
R. I.	Mand.			X		G,P	F
S. C.	Mand.				X	G	*
S. D.	*	*				*	*
Tenn.	Vol.				X	G	FC
Tex.	Mand.	X	X	X	X	G,M	L
Utah	Mand.	X				G	*
Vt.	Vol.	X				G	*
Va.	Vol. (d)				X	G	P
Wash.	Vol.	X			X	G	F
W. Va.	Vol. (e)	X	X		X	G	P
Wisc.	Mand.	X				G,F,FC	O
Wyo.	None						
P. R.	None						
V. I.	*	*				*	*

KEY: G, Guthrie; F, Fluorometric; M, Manual; A, Automated;
FC, Ferric Chloride; P, Paper Chromotography; L, LaDu; O, Other.

- (a) Mandatory program will begin "soon" and Guthrie test will be used.
- (b) Mandatory program beginning January 1, 1966.
- (c) Mandatory program beginning September 1965.
- (d) Mandatory program beginning July 1, 1966.
- (e) Mandatory program beginning May 7, 1966.