CONSOLIDATED ANNUAL REPORT
on
State and Territorial Public Health Laboratories
Fiscal Year 1973

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
CENTER FOR DISEASE CONTROL
ATLANTA, GEORGIA 30333

CONSOLIDATED ANNUAL REPORT

on State and Territorial

Public Health Laboratories

Fiscal Year 1973

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A Collaborative Compilation
by the
U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Center for Disease Control
Bureau of Laboratories
Atlanta, Georgia 30333
and the
Association of State and Territorial
Public Health Laboratory Directors

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PUBLIC HEALTH LABORATORY DIRECTORS

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INTRODUCTION

INTRODUCTION

Workload and other varied activities of the laboratories represented by the Association of State and Territorial Public Health Laboratory Directors (ASTPHLD) are described quantitatively in this tenth Consolidated Annual Report (CAR). If some type of activity is not reported herein for a given State, it may mean that a State agency other than the public health laboratory performs that service.

Fifty-two members of the ASTPHLD shared data with fellow members through this 1973 CAR. Forty-six States, Washington, D.C., Guam, Puerto Rico, and the Virgin Islands, reported data for the fiscal year July 1, 1972 - June 30, 1973. Florida and New York supplied data for the 1972 calendar year. All those who participated in this voluntary attempt to quantitatively describe this segment of the health field are to be commended.

Two States did not share their data: Colorado and Pennsylvania.

Except for minor format changes this CAR is similar to the last non-quadrennial CAR (1971). Two items do bear mentioning. In Section I, Summary Tables, States have been arranged by geographical regions. Hopefully, this will allow easier comparison with neighboring States. Several graphs and charts included in this CAR show what type data is contained herein and how it might be shown in a non-tabular format. It is hoped that these data displays of activity over time can be used to determine progress, or change.

Footnotes are placed either at the end of a section or after every few tables, as seems appropriate. The following table explains the use of symbols found in the report.

SYMBOL	MEANING
*	Information was not available for that entry.
-	A report with no activity for that particular item.
X	Represents a "yes" answer.

Definitions of "examinations" and "specimens" were provided in the questionnaire.[1] These definitions are helpful as a guide in collecting and reporting data for this Annual Report, but it may be difficult to apply them in some instances. Possible differences in definitions and in formats used by laboratories for recording and reporting data are problems which should be kept in mind when making comparisons between States.

The information contained in each Consolidated Annual Report has, nevertheless, been increasingly more accurate and complete. We will continue to use our experience with the Report, and the recommendations and experience of the laboratory directors, in making this document more meaningful and useful.

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[1] Since there are many users of the CAR who do not have access to the questionnaire, these definitions are repeated here:

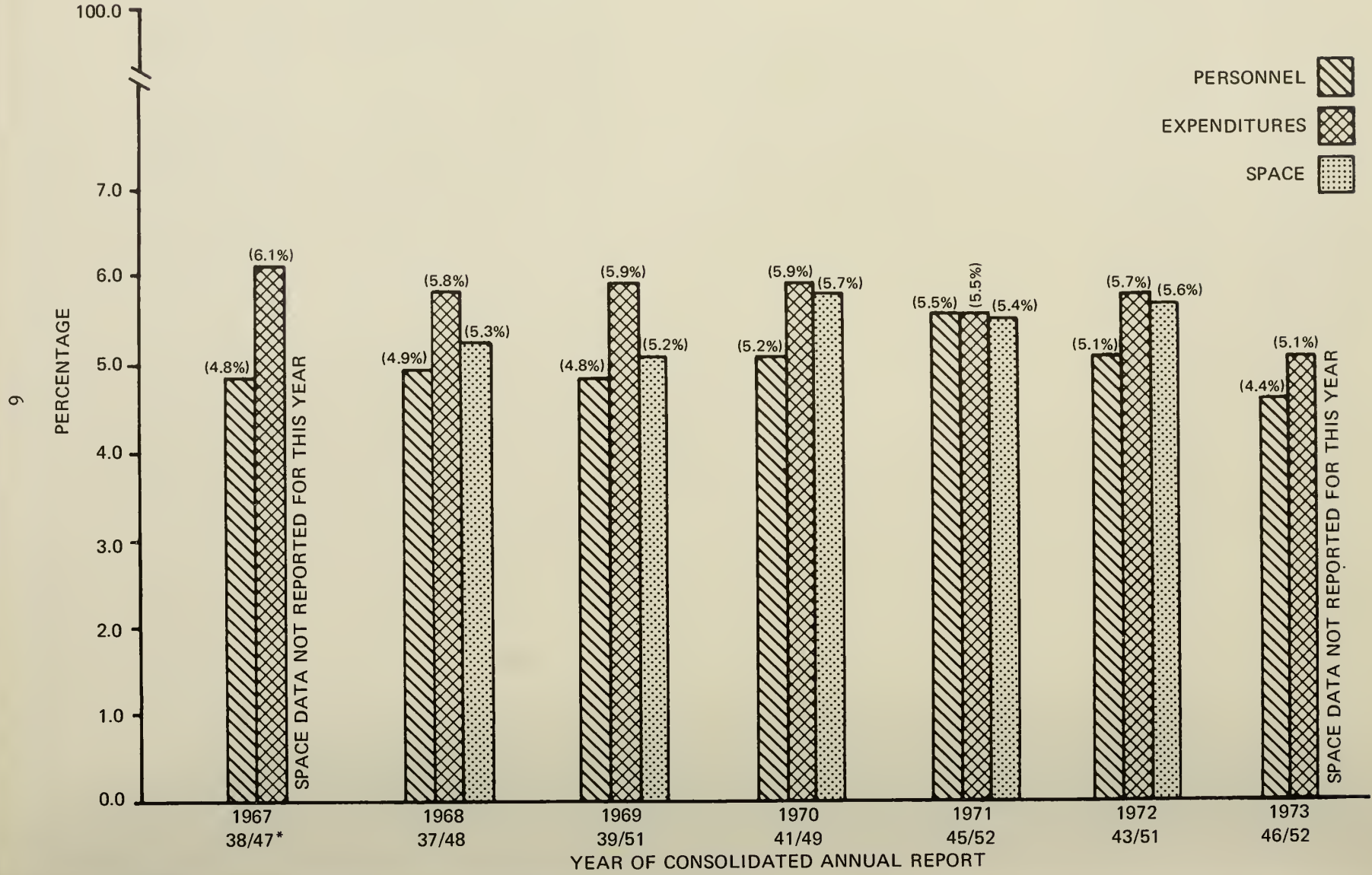
Specimen - A specimen is the material received in the laboratory; for example, this may be a throat swab, tube of blood, bottle of milk, smear on a slide, or a culture for identification. It should be reported in the category for which it was primarily submitted, i.e., "Streptococcus" specimen. If such a specimen is also subjected to testing for diphtheria, it should also be counted as an examination under diphtheria. However, such examination should be footnoted and referenced to streptococcus specimens.

Examination - This is the study of the specimen. What is done may be a very simple procedure, such as the examination of a bacterial smear which would constitute one complete examination. On the other hand, an examination may be rather complex and involve several cultural procedures followed by serological identification of an organism. The extent of the detail in which examinations will be reported will be indicated by the structure of this report form and accompanying definitions.

SECTION I

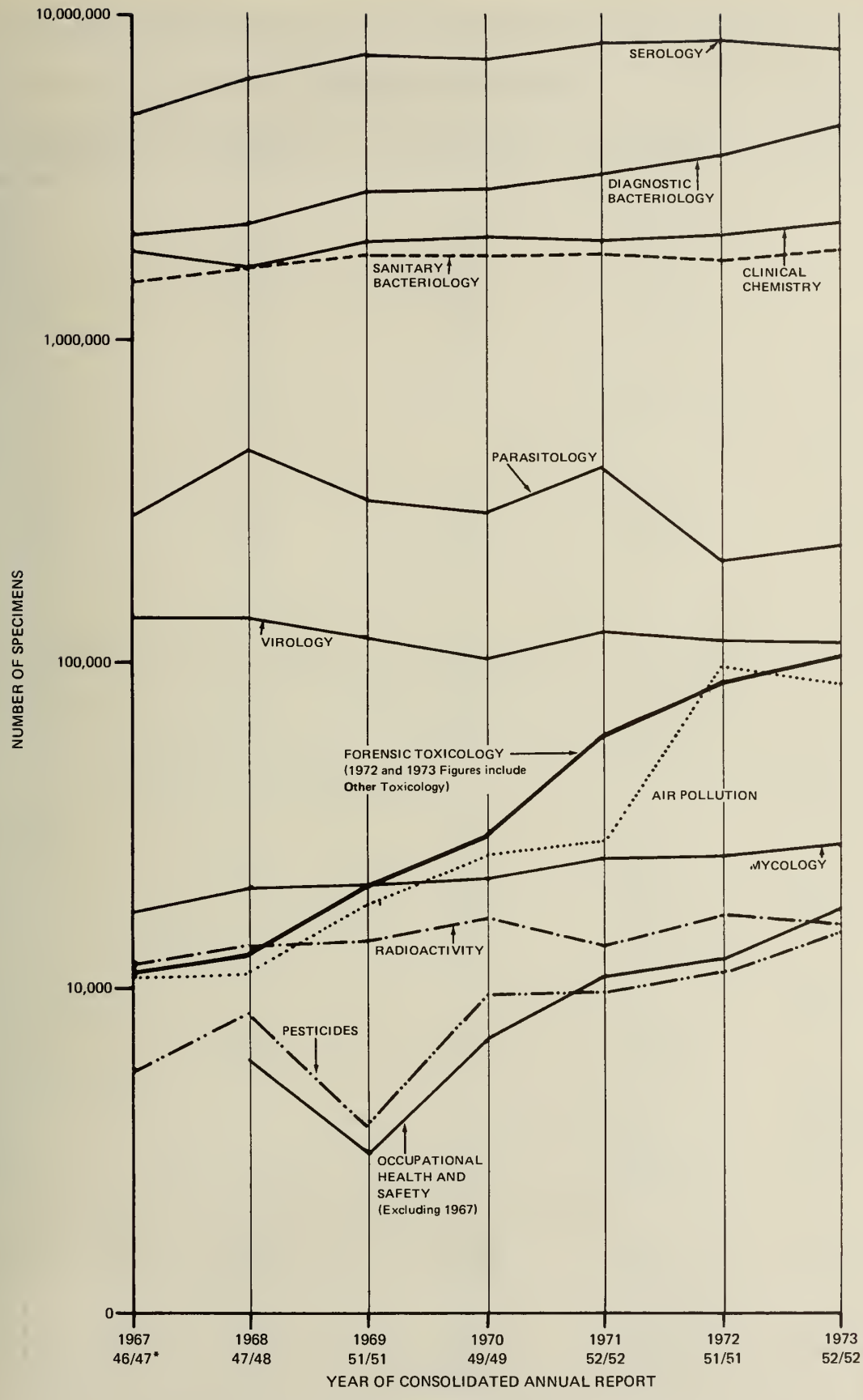
SUMMARY TABLES

Figure 1
PERCENTAGE OF PERSONNEL, EXPENDITURES, AND SPACE
ALLOTTED TO INTRA-STATE LABORATORY IMPROVEMENT PROGRAMS



*38/47 = INDICATES 38 STATES REPORTED THIS TYPE DATA OUT OF 47 STATES REPORTING

Figure 2
SPECIMENS RECEIVED



*46/47 = INDICATES 46 STATES REPORTED THIS TYPE DATA OUT OF 47 STATES REPORTING

TABLE 1-1. PERCENTAGE OF PERSONNEL AND EXPENDITURES ALLOTTED TO LABORATORY PROGRAM SERVICES (a)

	Laboratory Program Service			
	Analytical Services		Research and Development	
	Personnel %	Expenditures %	Personnel %	Expenditures %
New England				
Me.	97.8	97.8	-	-
N.H.	100.0	100.0	-	-
Vt.	99.8	99.0	-	-
Mass.	36.3	*	-	*
R.I.	100.0	98.0	-	1.0
Conn.	88.0	80.0	5.0	5.0
Middle Atlantic				
N.Y.	47.0 (b)	51.0 (b)	29.0	27.0
N.J.	74.0	*	20.0	*
Pa.	*	*	*	*
East North Central				
Ohio	58.1	53.5	1.7	0.5
Ind.	94.0	94.0	2.0	1.0
Ill.	93.3	90.8	1.0	2.0
Mich.	57.4	52.6	15.2	16.0
Wisc.	70.0	80.0	10.0	10.0
West North Central				
Minn.	91.7	75.0	1.3	14.0
Ia.	62.0	60.0	-	2.0
Mo.	90.0	*	-	*
N.D.	90.0	100.0	-	-
S.D.	96.0	90.0	3.0	5.0
Nebr.	92.0	87.0	4.0	3.0
Kans.	96.0	91.0	-	5.0
South Atlantic				
Del.	*	*	*	*
Md.	77.9	77.0	-	0.5
D.C.	96.0	90.0	-	-
Va.	87.0	97.5	5.0	0.5
W.Va.	64.0	78.0	2.0	2.0
N.C.	57.3	58.5	-	-
S.C.	84.0	90.0	1.0	2.0
Ga.	96.0	96.0	<1.0	<1.0
Fla.	83.0	83.0	7.0	7.0
East South Central				
Ky.	90.0	80.0	5.0	10.0
Tenn.	96.0	96.0	0.3	0.2
Ala.	80.0	*	18.0	*
Miss.	98.0	98.0	1.0	1.0
West South Central				
Ark.	95.0	95.0	-	-
La.	46.2	*	-	*
Okla.	94.0	94.0	-	-
Tex.	85.0	85.0	1.0	3.0
Mountain				
Mont.	99.0	96.0	0.5	1.5
Ida.	95.0	95.7	3.0	2.5
Wyo.	90.9	76.0	-	-
Colo.	*	*	*	*
N.M.	>99.0	>99.0	-	-
Ariz.	63.0	65.0	2.0	1.0
Utah	85.0	80.0	5.0	5.0
Nev.	95.0	85.0	1.0	5.0

TABLE 1-1. PERCENTAGE OF PERSONNEL AND EXPENDITURES ALLOTTED TO LABORATORY PROGRAM SERVICES (a) (Continued)

	Laboratory Program Service			
	Analytical Services		Research and Development	
	Personnel %	Expenditures %	Personnel %	Expenditures %
Pacific				
Wash.	69.0	* (c)	-	* (c)
Ore.	94.0	99.1	-	-
Cal.	45.0	32.0	11.0	15.0
Alaska	90.0	80.0	-	-
Hawaii	100.0	100.0	-	- (d)
Guam	95.0	95.0	5.0	5.0
P.R.	*	50.0	*	2.0
V.I.	93.0	93.0	5.0	5.0

TABLE 1-1. PERCENTAGE OF PERSONNEL AND EXPENDITURES ALLOTTED TO LABORATORY PROGRAM SERVICES (a) (Continued)

	Laboratory Program Service					
	Production of Biologics		Intrastate Laboratory Improvement		Other	
	Personnel %	Expenditures %	Personnel %	Expenditures %	Personnel %	Expenditures %
New England						
Me.	-	-	2.2	2.2	-	-
N.H.	-	-	-	-	-	-
Vt.	-	-	0.2	1.0	-	-
Mass.	38.6	*	0.7	*	24.4	*
R.I.	-	-	- (e)	1.0	-	-
Conn.	1.0	5.0	6.0	10.0	-	-
Middle Atlantic						
N.Y.	-	5.0	1.0	5.0	23.0	12.0
N.J.	-	*	6.0	*	-	*
Pa.	*	*	*	*	*	*
East North Central						
Ohio	-	-	2.8	3.0	37.4	43.0
Ind.	-	-	2.0	5.0	2.0	-
Ill.	0.7	1.0	5.0	6.2	-	-
Mich.	24.3	28.1	3.1	3.3	-	-
Wisc.	-	-	-	10.0	20.0	-
West North Central						
Minn.	1.3	1.0	5.7	10.0	-	-
Ia.	-	-	5.0	6.0	33.0 (f)	32.0 (f)
Mo.	-	*	10.0	*	-	*
N.D.	-	-	10.0	-	-	-
S.D.	-	-	1.0	2.5	-	2.5
Nebr.	-	-	-	4.0	4.0	6.0
Kans.	-	-	4.0	4.0	-	-

TABLE 1-1. PERCENTAGE OF PERSONNEL AND EXPENDITURES ALLOTTED TO LABORATORY PROGRAM SERVICES (a) (Continued)

	Laboratory Program Service					
	Production of Biologics		Intrastate Laboratory Improvement		Other	
	Personnel %	Expenditures %	Personnel %	Expenditures %	Personnel %	Expenditures %
South Atlantic						
Del.	*	*	*	*	*	*
Md.	-	-	1.4	2.0	20.7 (g)	20.5
D.C.	-	-	4.0	10.0	-	-
Va.	-	-	8.0	2.0	-	-
W.Va.	-	-	4.0	20.0	30.0	-
N.C.	-	-	4.0	1.5	38.7	40.0
S.C.	-	-	5.0	5.0	10.0	3.0 (h)
Ga.	<1.0	<1.0	4.0	4.0	-	-
Fla.	-	-	10.0	10.0	-	-
East South Central						
Ky.	-	-	5.0	10.0	-	-
Tenn.	0.7	0.4	3.0	3.4	-	-
Ala.	-	*	2.0	*	-	*
Miss.	0.4	0.4	0.6	0.6	-	-
West South Central						
Ark.	-	-	5.0	5.0	-	-
La.	1.8	*	-	*	52.0	*
Okla.	-	-	6.0	6.0	-	-
Tex.	9.0	8.0	5.0	4.0	-	-
Mountain						
Mont.	-	-	0.5	1.5	-	1.0
Ida.	-	-	2.0	1.8	-	-
Wyo.	-	-	9.1	24.0	-	-
Colo.	*	*	*	*	*	*
N.M.	-	-	<1.0	<1.0	-	-
Ariz.	10.0	10.0	7.0	8.0	18.0	16.0
Utah	-	-	10.0	15.0	-	-
Nev.	-	-	4.0	10.0	-	-
Pacific						
Wash.	-	* (c)	13.0	* (c)	18.0 (h)	* (c)
Ore.	-	-	6.0	0.9	-	-
Cal.	5.0	3.0	12.0	12.0	27.0 (i)	38.0 (j)
Alaska	-	-	2.0	3.0	8.0	17.0 (k)
Hawaii	-	- (d)	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	5.0	*	-	*	43.0
V.I.	-	-	2.0	2.0	-	-

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS

	Total Specimens (1)	Total Examinations (1)	Diagnostic Bacteriology		Mycology	
			Specimens	Exams	Specimens	Exams
New England						
Me.	167,820	328,414	45,996	61,545	360	802
N.H.	144,748	175,247	59,642	73,329	26	39
Vt.	136,422	184,885	38,162	43,206	123	236
Mass.	749,797	* (m)	190,087	*	190	*
R.I.	182,479	424,009	50,013	97,991	12	24
Conn.	739,260	1,194,609	356,193	540,558	1,508	3,038
Middle Atlantic						
N.Y.	* (m)	* (m)	87,281	79,922 (n)	2,898 (n)	4,102
N.J.	668,539	1,886,045	170,554	440,258	225	563
Pa.	*	*	*	*	*	*
East North Central						
Ohio	819,702	1,325,078	256,421	406,947	748	3,749
Ind.	220,421	336,118	20,780	29,851	1,505	1,505
Ill.	342,923	552,362	138,737	209,528	892	3,982
Mich.	1,060,505	1,668,176	393,602	702,164	2,821	9,627
Wisc.	674,696	929,390	84,098	209,347	2,987	2,987
West North Central						
Minn.	308,682	457,612	97,573	118,011	2,754	6,248
Ia.	367,065	769,210	50,260	165,809	312	996
Mo.	294,725	707,485	72,291	243,654	139	2,629
N.D.	172,548	286,213	45,622	114,787	629	1,258
S.D.	98,090	154,973	26,999	63,777	144	447
Nebr.	136,410	209,592	14,531	38,018	38	190
Kans.	268,296	387,144	80,939	114,516	752	752
South Atlantic						
Del.	119,487	176,349	22,388	28,335	-	-
Md.	984,061	1,528,044	281,548	319,543	3,117	3,158
D.C.	348,468	452,197	41,289	56,114	5	5
Va.	614,445	854,012	168,656	347,098	430	1,130
W.Va.	213,385	453,101	67,600	133,274	409	2,000
N.C.	761,456	1,224,500	66,443	110,525	1,361	1,871
S.C.	666,347	988,986	99,903	175,889	2,202	16,119
Ga.	959,471	1,106,177	196,144	254,212	1,555	1,552
Fla.	1,938,372	2,520,845	353,976	605,285	3,759	4,687
East South Central						
Ky.	278,491	396,358	28,759	63,618	176	613
Tenn.	947,332	1,065,614	253,233	296,001	1,896	1,896
Ala.	1,135,498	1,844,612	263,044	681,586	2,204	20,732
Miss.	836,032	898,166	189,419	189,859	1,762	1,762
West South Central						
Ark.	312,081	422,714	85,461	146,924	1,821	7,471
La.	774,090	987,551	187,811	368,329	1,151	1,151
Okla.	369,156	389,448	92,450	90,538	277	273
Tex.	387,923	1,069,646	65,323	540,191	1,071	9,384
Mountain						
Mont.	102,171	139,164	13,414	31,943	146	146
Ida.	125,487	233,542	37,173	49,934	561	698
Wyo.	164,390	180,520	139,077	153,296	-	-
Colo.	*	*	*	*	*	*
N.M.	* (m)	259,587	80,966	86,254	277	277
Ariz.	148,552	233,675	24,853	46,471	2,250	4,483
Utah	176,962	317,950	59,738	80,959	39	215
Nev.	125,620	275,357	35,028	73,871	168	963

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Total Specimens (1)	Total Examinations (1)	Diagnostic Bacteriology		Mycology	
			Specimens	Exams	Specimens	Exams
Pacific						
Wash.	139,508	278,173	31,566	102,292	436	1,727
Ore.	330,381	724,444	74,534	110,850	521	1,538
Cal.	* (m)	* (m)	30,473	*	712	*
Alaska	135,943	170,267	71,686	83,118	197	197
Hawaii	240,409	360,880	155,001	231,365	559	875
Guam	32,245	52,467	4,076	10,165	16	57
P.R.	345,202	476,309	56,959	68,317	125	263
V.I.	35,091	50,172	8,001	9,657	261	518

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Parasitology		Virology		Syphilis Serology	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	4	4	980	3,348	33,656	36,687
N.H.	534	536	401 (o)	1,009	44,671	45,713
Vt.	540	540	513	644	36,116	37,825
Mass.	-	-	3,590	5,745	276,357	278,993
R.I.	1,021	1,996	112 (o)	336	46,805	57,094
Conn.	15,139	21,295	10,422	23,823	108,883	131,231
Middle Atlantic						
N.Y.	935	*	5,025	13,044	6,642 (n)	106,540
N.J.	5,029	14,987	18,826	193,701	254,444	297,235
Pa.	*	*	*	*	*	*
East North Central						
Ohio	819	1,745	7,303	14,898	103,823	126,735
Ind.	2,077	3,571	3,893	7,316	109,496	112,218
Ill.	1,178	2,593	4,396	6,618	85,733	105,956
Mich.	3,514	5,763	3,362	7,221	348,492	400,422
Wisc.	4,501	4,501	3,736	6,191	168,530	185,519
West North Central						
Minn.	4,019	7,849	5,630	13,973	195,518	232,947
Ia.	1,121	2,074	4,971	48,302	169,813	173,839
Mo.	1,008	2,805	1,926	11,418	73,731	83,163
N.D.	774	1,510	601	560	51,362	53,398
S.D.	94	607	112 (o)	145	30,527	31,883
Nebr.	117	457	877 (o)	2,643	84,278	90,096
Kans.	5,824	11,610	2,573	5,430	109,157	117,433

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Parasitology		Virology		Syphilis Serology	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
South Atlantic						
Del.	124	196	324 (o)	934	29,659	33,359
Md.	8,814	8,819	910	1,814	197,397	239,736
D.C.	614	614	471	355	178,144	215,377
Va.	27,781	27,781	1,313	2,551	213,626	225,576
W.Va.	1,987	4,805	668	1,903	46,938	52,528
N.C.	8,320	11,429	2,451	16,460	319,778	357,729
S.C.	26,057	26,838	1,236	4,440	286,728	322,128
Ga.	67,756	84,045	3,628	13,929	556,711	584,125
Fla.	82,341	82,341	5,616	10,100	897,778	942,928
East South Central						
Ky.	4,401	7,572	2,206	5,766	128,434	144,965
Tenn.	5,241	9,834	3,616	6,462	504,981	515,186
Ala.	35,632	51,898	2,627	3,541	428,263	460,159
Miss.	11,029	11,029	751 (o)	751	325,476	334,055
West South Central						
Ark.	1,687	3,243	1,869	3,640	130,943	140,806
La.	50,809	50,809	10,877	10,877	193,746	193,748
Okla.	1,882	1,797	3,259	4,976	139,479	150,063
Tex.	5,580	8,837	5,284	21,188	76,447	134,944
Mountain						
Mont.	292	286	428	418	34,025	37,228
Ida.	161	299	158 (o)	638	21,240	24,102
Wyo.	75	125	-	-	12,057	12,845
Colo.	*	*	*	*	*	*
N.M.	137	137	*	638	68,948	68,996
Ariz.	787	2,109	3,540	8,347	52,737	63,579
Utah	1,882	1,918	687	7,206	67,083	76,983
Nev.	117	456	-	-	38,403	48,630
Pacific						
Wash.	1,493	1,532	955	6,868	38,341	49,943
Ore.	876	1,640	2,029	4,072	95,854	99,823
Cal.	1,090 (n)	*	6,505	9,606	25,700	33,378
Alaska	732	804	-	-	39,130	51,434
Hawaii	3,099	3,098	1,750	2,061	32,523	37,131
Guam	4,922	4,922	29 (o)	29	7,381	8,239
P.R.	8,098	8,098	206 (o)	206	133,351	144,872
V.I.	7,289	8,541	-	-	10,141	16,642

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Non-Syphilis Serology		Hematology or blood Bank		Pathologic Anatomy	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	20,866	23,564	1,427	1,427	-	-
N.H.	131	777	4,412	12,895	-	-
Vt.	3,623	19,987	-	-	-	-
Mass.	7,727	8,302 (n)	-	-	-	-
R.I.	18,250	18,276	-	8,137	-	-
Conn.	24,664	76,098	8,676	14,629	-	-
Middle Atlantic						
N.Y.	13,647 (n)	32,748	6,636	11,608	15,355	12,209 (n)
N.J.	95,151	640,004	104	208	-	-
Pa.	*	*	*	*	*	*
East North Central						
Ohio	14,105	56,469	1,395	2,258	-	-
Ind.	6,784	21,630	-	-	-	-
Ill.	12,566	57,088	11	22	-	-
Mich.	34,742	59,950	19,971	50,620	-	-
Wisc.	25,753	58,016	6,251	17,678	154,358	167,382
West North Central						
Minn.	2,723 (n)	76,663	-	-	214	1,195
Ia.	59,217	86,919	-	-	-	-
Mo.	20,970	178,807	-	-	-	-
N.D.	20,294	26,171	11,313	17,166	-	-
S.D.	13,025	15,679	5,599	5,599	-	-
Nebr.	7,261	16,304	-	-	-	-
Kans.	10,700	18,407	-	-	-	-
South Atlantic						
Del.	-	-	2,540	3,269	39,227	39,227
Md.	48,124	110,560	114,637	161,441	52,202	52,947
D.C.	989	982	23,250	55,835	55,530	55,546
Va.	28,496	34,336	5,616	12,745	-	-
W.Va.	2,274	7,391	535	926	26,946	51,840
N.C.	52,711	65,824	950	950	109,820	109,820
S.C.	4,399	50,398	75,352	104,895	37	40
Ga.	16,739	25,143	39,174	65,154	-	-
Fla.	16,353	27,153	98,163	96,484	-	-
East South Central						
Ky.	4,263	18,241	18,558	28,894	-	-
Tenn.	20,858	32,105	19,195	38,943	-	-
Ala.	22,906	43,966	93,052	103,213	34,887	69,049
Miss.	5,229	9,591	82,872	106,438	-	-
West South Central						
Ark.	3,559	12,656	21,538	22,506	-	-
La.	36,873	36,873	3,510	3,510	13,999	13,999
Okla.	3,155	8,546 (p)	27,307	32,035	-	-
Tex.	14,867	29,767	2,892	5,493	-	-
Mountain						
Mont.	19,322	19,925	-	-	-	-
Ida.	1,492	7,454	2,160	3,134	137	149
Wyo.	4,725	5,098	-	-	-	-
Colo.	*	*	*	*	*	*
N.M.	891 (n)	4,885	3,128	3,128	-	-
Ariz.	12,639	18,673	8,795	10,500	-	-
Utah	12,657	16,820	400	1,987	-	-
Nev.	476	680	4,176	11,023	-	-

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Non-Syphilis Serology		Hematology or Blood Bank		Pathologic Anatomy	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Pacific						
Wash.	13,000	16,050	6,357	12,126	-	-
Ore.	39,722	50,388	-	-	-	-
Cal.	30,535	50,795	2,221	2,221	*	*
Alaska	5,063	5,063	3,750	8,361	-	-
Hawaii	15,457	15,790	14	14	-	-
Guam	55	55	6,770	16,339	5,618	5,618
P.R.	3,747	3,807	37,727	84,496	-	-
V.I.	1,515	1,803	-	-	20	20

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	PKU and Other Inborn Errors		Clinical Chemistry		Sanitary & Environmental Micro.	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	16,288	16,288	-	-	27,473	30,869
N.H.	16,163	17,241	18,768	23,708	-	-
Vt.	-	-	29,303	36,393	22,685	25,185
Mass.	75,799	75,799	195,906	947,775	141	*
R.I.	17,479	17,479	29,309	36,086	4,810	13,568
Conn.	68,621	68,621	63,936	68,366	27,984	78,018
Middle Atlantic						
N.Y.	148,888	219,976	9,287	18,006	17,337	34,043
N.J.	83,765	160,126	8,263	9,179	18,048	31,527
Pa.	*	*	*	*	*	*
East North Central						
Ohio	321,560	371,683	38,450	151,403	62,398	65,446
Ind.	-	-	-	-	53,213	63,788
Ill.	-	-	-	-	56,946	85,503
Mich.	103,149	102,937	27,243	82,982	88,085	118,390
Wisc.	9	9	141,307	149,643	57,974	59,074
West North Central						
Minn.	180	442	-	-	71	284
Ia.	3,255	3,279	-	-	44,871	142,910
Mo.	41,437	44,170	1,370	1,370	77,291	125,058
N.D.	12,653	12,653	-	-	19,748	47,027
S.D.	-	-	107	114	16,663	27,522
Nebr.	1,167	1,167	-	-	21,697	24,109
Kans.	31	31	293	293	41,845	45,591

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	PKU and Other Inborn Errors		Clinical Chemistry		Sanitary & Environmental Micro.	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
South Atlantic						
Del.	15,744	15,744	1,277	6,511	8,137	48,640
Md.	54,451	275,706	90,658	85,536	76,603	129,934
D.C.	3,254	3,573	16,651	27,113	2,690	8,187
Va.	79,235	79,728	19,413	19,413	63,602	90,811
W.Va.	22,263	22,213	16,169	140,078	27,596	36,143
N.C.	84,748	84,352	62,976	325,827	40,858	41,810
S.C.	38,887	38,887	32,078	66,426	68,234	91,320
Ga.	71,307	71,601	5,918	5,877	539	539
Fla.	78,385	78,385	141,683	195,695	212,124	262,962
East South Central						
Ky.	38,690	38,690	2,465	2,865	26,701	42,752
Tenn.	62,484	62,484	9,027	9,027	66,801	93,676
Ala.	84,799	86,521	3,585	3,585	101,393	243,437
Miss.	-	-	154,539	154,539	63,996	86,224
West South Central						
Ark.	17,845	17,829	2,461	6,777	40,571	54,246
La.	54,078	54,078	1,656	1,656	208,592	208,592
Okla.	33,238	33,166	2,313	2,325	52,194	52,127
Tex.	152,595	152,706	17,737	17,737	29,152	61,260
Mountain						
Mont.	9,320	9,198	1,643	1,643	12,764	14,874
Ida.	12,944	12,944	-	-	29,588	46,166
Wyo.	-	-	-	-	8,207	8,907
Colo.	*	*	*	*	*	*
N.M.	13,484	13,484	-	-	23,380	50,721
Ariz.	-	-	-	-	38,916	48,497
Utah	-	-	525	9,228	21,058	30,731
Nev.	15,941	16,184	596	3,185	20,037	45,700
Pacific						
Wash.	15,588	15,588	6,554	6,554	19,500	29,502
Ore.	77,932	418,201	-	-	38,913	37,932
Cal.	*	12,452	*	6,096	14,187	20,901
Alaska	3,453	3,453	-	-	11,079	11,154
Hawaii	-	-	7,190	7,494	19,276	40,537
Guam	1,344	1,932	1,055	2,263	979	2,848
P.R.	-	-	75,686	75,686	16,021	22,727
V.I.	1,001	1,001	3,716	4,697	2,880	6,254

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Sanitary & Environmental Chemistry		All Other Examinations	
	Specimens	Exams	Specimens	Exams
New England				
Me.	15,264	143,915	5,506	9,965
N.H.	-	-	-	-
Vt.	3,610	19,122	1,747	1,747
Mass.	-	-	*	4,000
R.I.	5,437	38,059	9,231	134,963
Conn.	22,890	98,875	30,344	70,057
Middle Atlantic				
N.Y.	8,943	72,419	15,748 (n)	25,601
N.J.	9,757	93,326	4,373	4,931
Pa.	*	*	*	*
East North Central				
Ohio	7,738	111,230	4,942	12,515
Ind.	20,486	93,136	2,187	3,103
Ill.	38,233	72,284	4,231	8,788
Mich.	19,918	51,678	15,606	76,422
Wisc.	13,000	43,731	12,192	25,312
West North Central				
Minn.	-	-	-	-
Ia.	21,390	92,640	11,855	52,442
Mo.	4,442	13,722	120	689
N.D.	2,950	5,081	6,602	6,602
S.D.	4,820	9,200	-	-
Nebr.	4,202	32,224	2,242	4,384
Kans.	6,090	60,113	10,092	12,968
South Atlantic				
Del.	-	-	67	134
Md.	27,614	107,607	27,986	31,243
D.C.	1,141	3,540	24,440	24,956
Va.	6,277	12,843	-	-
W.Va.	-	-	-	-
N.C.	4,856	84,858	6,184	13,045
S.C.	15,227	53,670	16,007	37,936
Ga.	-	-	-	-
Fla.	21,102	45,781	27,092	169,044
East South Central				
Ky.	3,646	17,136	20,192	25,246
Tenn.	-	-	-	-
Ala.	63,106	76,925	-	-
Miss.	959	3,918	-	-
West South Central				
Ark.	4,326	6,616	-	-
La.	10,248	42,994	740	935
Okla.	13,602	13,602	-	-
Tex.	16,254	83,237	721	4,902
Mountain				
Mont.	1,640	12,446	9,177	11,057
Ida.	5,117	61,525	14,756	26,499
Wyo.	-	-	249	249
Colo.	*	*	*	*
N.M.	6,740	18,611	4,750 (n)	12,456
Ariz.	1,131	23,640	2,904	7,376
Utah	6,179	75,571	6,714	16,332
Nev.	4,271	35,883	6,407	38,782

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Sanitary & Environmental Chemistry		All Other Examinations	
	Specimens	Exams	Specimens	Exams
Pacific				
Wash.	3,405	31,772	2,313	4,219
Ore.	-	-	-	-
Cal.	3,155	12,031	10,288	34,351
Alaska	853	6,683	-	-
Hawaii	5,362	22,057	178	458
Guam	-	-	-	-
P.R.	7,341	61,840	5,941	5,997
V.I.	267	1,039	-	-

TABLE 1-3. PERCENTAGE OF EXAMINATIONS PERFORMED BY TYPE OF EXAMINATION

	Diag. Bact. %	Mycology, Parasitology, Virology %	All Serology %	Hematology, Pathologic Anatomy, PKU, Clin. Chem. %	Sanitary & Environmental Microbiology %	Sanitary & Environmental Chemistry %	All Other Exams %
New England							
Me.	18.8	1.3	18.3	5.4	9.4	43.8	3.0
N.H.	41.9	0.9	26.5	30.7	-	-	-
Vt.	23.4	0.8	31.3	19.7	13.6	10.3	0.9
Mass.	*	*	*	*	*	*	*
R.I.	23.1	0.5	17.8	14.6	3.2	9.0	31.8
Conn.	45.2	4.0	17.4	12.7	6.5	8.3	5.9
Middle Atlantic							
N.Y.	*	*	*	*	*	*	*
N.J.	23.3	11.1	49.7	9.0	1.7	4.9	0.3
Pa.	*	*	*	*	*	*	*
East North Central							
Ohio	30.7	1.5	13.8	39.6	4.9	8.5	1.0
Ind.	8.9	3.7	39.8	-	19.0	27.7	0.9
Ill.	37.9	2.4	29.5	-	15.5	13.1	1.6
Mich.	42.1	1.3	27.6	14.2	7.1	3.1	4.6
Wisc.	22.5	1.5	26.2	36.0	6.4	4.7	2.7
West North Central							
Minn.	25.8	6.1	67.7	0.3	0.1	-	-
Ia.	21.5	6.7	33.9	0.4	18.6	12.0	6.9
Mo.	34.5	2.4	37.0	6.4	17.7	1.9	0.1
N.D.	40.1	1.2	27.8	10.4	16.4	1.8	2.3
S.D.	41.1	0.8	30.7	3.7	17.8	5.9	-
Nebr.	18.1	1.6	50.8	0.5	11.5	15.4	2.1
Kans.	29.6	4.6	35.1	0.1	11.8	15.5	3.3

TABLE 1-3. PERCENTAGE OF EXAMINATIONS PERFORMED BY TYPE OF EXAMINATION
(Continued)

	Diag. Bact. %	Mycology, Parasitology, Virology %	All Serology %	Hematology, Pathologic Anatomy, PKU, Clin. Chem. %	Sanitary & Environmental Microbiology %	Sanitary & Environmental Chemistry %	All Other Exams %
South Atlantic							
Del.	16.1	0.6	18.9	36.7	27.6	-	0.1
Md.	20.9	0.9	22.9	37.7	8.5	7.1	2.0
D.C.	12.4	0.2	47.9	31.4	1.8	0.8	5.5
Va.	40.7	3.7	30.4	13.1	10.6	1.5	-
W.Va.	29.4	1.9	13.2	47.5	8.0	-	-
N.C.	9.0	2.4	34.6	42.6	3.4	6.9	1.1
S.C.	17.8	4.8	37.7	21.3	9.2	5.4	3.8
Ga.	23.0	9.0	55.1	12.9	-	-	-
Fla.	24.0	3.9	38.5	14.7	10.4	1.8	6.7
East South Central							
Ky.	16.0	3.5	41.2	17.8	10.8	4.3	6.4
Tenn.	27.8	1.7	51.3	10.4	8.8	-	-
Ala.	37.0	4.1	27.3	14.2	13.2	4.2	-
Miss.	21.1	1.5	38.3	29.1	9.6	0.4	-
West South Central							
Ark.	34.8	3.4	36.3	11.1	12.8	1.6	-
La.	37.3	6.4	23.4	7.4	21.1	4.3	0.1
Okla.	23.3	1.8	40.7	17.3	13.4	3.5	-
Tex.	50.5	3.7	15.4	16.4	5.7	7.8	0.5
Mountain							
Mont.	23.0	0.6	41.1	7.8	10.7	8.9	7.9
Ida.	21.4	0.7	13.5	7.0	19.8	26.3	11.3
Wyo.	84.9	0.1	9.9	-	5.0	-	0.1
Colo.	*	*	*	*	*	*	*
N.M.	33.2	0.4	28.5	6.4	19.5	7.2	4.8
Ariz.	19.9	6.4	35.2	4.5	20.8	10.1	3.1
Utah	25.5	2.9	29.5	3.5	9.7	23.8	5.1
Nev.	26.8	0.5	17.9	11.0	16.6	13.1	14.1
Pacific							
Wash.	36.8	3.7	23.7	12.3	10.6	11.4	1.5
Ore.	15.3	1.0	20.8	57.7	5.2	-	-
Cal.	*	*	*	*	*	*	*
Alaska	48.8	0.6	33.2	6.9	6.6	3.9	-
Hawaii	64.1	1.7	14.7	2.1	11.2	6.1	0.1
Guam	19.4	9.5	15.8	49.9	5.4	-	-
P.R.	14.3	1.8	31.2	33.6	4.8	13.0	1.3
V.I.	19.2	18.0	36.8	11.4	12.5	2.1	-

TABLE 1-4. RATIOS OF SPECIMENS TO EXAMINATIONS AND EXAMINATIONS TO POPULATION

	Estimated Population (q)	Number of Specimens	Number of Exams	Ratio of Specimens to Exams	Ratio of Exams to Population
New England					
Me.	1,003,000	167,820	328,414	1:2.0	1:3.1
N.H.	762,000	144,748	175,247	1:1.2	1:4.4
Vt.	458,000	136,422	184,885	1:1.4	1:2.5
Mass.	5,758,000	749,797	*	*	*
R.I.	960,000	182,479	424,009	1:2.3	1:2.3
Conn.	3,081,000	739,260	1,194,609	1:1.6	1:2.6
Middle Atlantic					
N.Y.	18,391,000	*	*	*	*
N.J.	7,300,000	668,539	1,886,045	1:2.8	1:3.9
Pa.	11,879,000	*	*	*	*
East North Central					
Ohio	10,778,000	819,702	1,325,078	1:1.6	1:8.1
Ind.	5,274,000	220,421	336,118	1:1.5	1:15.7
Ill.	11,196,000	342,923	552,362	1:1.6	1:20.3
Mich.	8,997,000	1,060,505	1,668,176	1:1.6	1:5.4
Wisc.	4,476,000	674,696	929,390	1:1.4	1:4.8
West North Central					
Minn.	3,881,000	308,682	457,612	1:1.5	1:8.5
Ia.	2,852,000	367,065	769,210	1:2.1	1:3.7
Mo.	4,749,000	294,725	707,485	1:2.4	1:6.7
N.D.	625,000	172,548	286,213	1:1.7	1:2.2
S.D.	670,000	98,090	154,973	1:1.6	1:4.3
Nebr.	1,512,000	136,410	209,592	1:1.5	1:7.2
Kans.	2,258,000	268,296	387,144	1:1.4	1:5.8
South Atlantic					
Del.	558,000	119,487	176,349	1:1.5	1:3.2
Md.	4,000,000	984,061	1,528,044	1:1.6	1:2.6
D.C.	741,000	348,468	452,197	1:1.3	1:1.6
Va.	4,714,000	614,445	854,012	1:1.4	1:5.5
W.Va.	1,752,000	213,385	453,101	1:2.1	1:3.9
N.C.	5,146,000	761,456	1,224,500	1:1.6	1:4.2
S.C.	2,627,000	666,347	988,986	1:1.5	1:2.7
Ga.	4,664,000	959,471	1,106,177	1:1.2	1:4.2
Fla.	7,041,000	1,938,372	2,520,845	1:1.3	1:2.8
East South Central					
Ky.	3,282,000	278,491	396,358	1:1.4	1:8.3
Tenn.	3,990,000	947,332	1,065,614	1:1.1	1:3.7
Ala.	3,479,000	1,135,498	1,844,612	1:1.6	1:1.9
Miss.	2,226,000	836,032	898,166	1:1.1	1:2.5
West South Central					
Ark.	1,944,000	312,081	422,714	1:1.4	1:4.6
La.	3,681,000	774,090	987,551	1:1.3	1:3.7
Okla.	2,610,000	369,156	389,448	1:1.1	1:6.7
Tex.	11,460,000	387,923	1,069,646	1:2.8	1:10.7
Mountain					
Mont.	708,000	102,171	139,164	1:1.4	1:5.1
Ida.	732,000	125,487	233,542	1:1.9	1:3.1
Wyo.	340,000	164,390	180,520	1:1.1	1:1.9
Colo.	2,283,000	*	*	*	*
N.M.	1,030,000	*	259,587	*	1:4.0
Ariz.	1,849,000	148,552	233,675	1:1.6	1:7.9
Utah	1,099,000	176,962	317,950	1:1.8	1:3.5
Nev.	507,000	125,620	275,357	1:2.2	1:1.8

TABLE 1-4. RATIOS OF SPECIMENS TO EXAMINATIONS AND EXAMINATIONS TO POPULATION
(Continued)

	Estimated Population (q)	Number of Specimens	Number of Exams	Ratio of Specimens to Exams	Ratio of Exams to Population
Pacific					
Wash.	3,449,000	139,508	278,173	1:2.0	1:12.4
Ore.	2,158,000	330,381	724,444	1:2.2	1:3.0
Cal.	20,223,000	*	*	*	*
Alaska	313,000	135,943	170,267	1:1.3	1:1.8
Hawaii	789,000	240,409	360,880	1:1.5	1:2.2
Guam	85,000	32,245	52,467	1:1.6	1:1.6
P.R.	2,712,000	345,202	476,309	1:1.4	1:5.7
V.I.	62,000	35,091	50,172	1:1.4	1:1.2

TABLE 1-5. RATIOS OF PERSONNEL TO POPULATION

	Estimated Population (q)	Total Personnel (r)	Professional and Technical Personnel (r)	Ratio of Total Personnel to Population	Ratio of Prof. & Tech. Personnel to Population
New England					
Me.	1,003,000	47	32	1:21,340	1:31,344
N.H.	762,000	20	13	1:38,100	1:58,615
Vt.	458,000	26	13	1:17,615	1:35,231
Mass.	5,758,000	201	70	1:28,647	1:82,257
R.I.	960,000	59	41	1:16,271	1:23,415
Conn.	3,081,000	202	131	1:15,252	1:23,519
Middle Atlantic					
N.Y.	18,391,000	660	396	1:27,865	1:46,442
N.J.	7,300,000	193	124	1:37,824	1:58,871
Pa.	11,879,000	*	*	*	*
East North Central					
Ohio	10,778,000	159	98	1:67,786	1:109,980
Ind.	5,274,000	71	40	1:74,282	1:131,850
Ill.	11,196,000	118	75	1:94,881	1:149,280
Mich.	8,997,000	393	217	1:22,893	1:41,461
Wisc.	4,476,000	150	96	1:29,840	1:46,625
West North Central					
Minn.	3,881,000	83	51	1:46,759	1:76,098
Ia.	2,852,000	99	63	1:28,808	1:45,270
Mo.	4,749,000	50	32	1:94,980	1:148,406
N.D.	625,000	28	15	1:22,321	1:41,667
S.D.	670,000	20	11	1:33,500	1:60,909
Nebr.	1,512,000	26	17	1:58,154	1:88,941
Kans.	2,258,000	70	45	1:32,257	1:50,178

TABLE 1-5. RATIOS OF PERSONNEL TO POPULATION
(Continued)

	Estimated Population (q)	Total Personnel (r)	Professional and Technical Personnel (r)	Ratio of Total Personnel to Population	Ratio of Prof. & Tech. Personnel to Population
South Atlantic					
Del.	558,000	31	22	1:18,000	1:25,364
Md.	4,000,000	268	185	1:14,925	1:21,622
D.C.	741,000	65	54	1:11,400	1:13,722
Va.	4,714,000	86	53	1:54,814	1:88,943
W.Va.	1,752,000	50	26	1:35,040	1:67,385
N.C.	5,146,000	123	77	1:41,837	1:66,831
S.C.	2,627,000	111	78	1:23,667	1:33,679
Ga.	4,664,000	154	88	1:30,286	1:53,000
Fla.	7,041,000	214	127	1:32,902	1:55,441
East South Central					
Ky.	3,282,000	67	33	1:48,985	1:99,455
Tenn.	3,990,000	146	91	1:27,329	1:43,846
Ala.	3,479,000	193	115	1:18,026	1:30,252
Miss.	2,226,000	43	27	1:51,767	1:82,444
West South Central					
Ark.	1,944,000	50	32	1:38,880	1:60,750
La.	3,681,000	149	72	1:24,705	1:51,125
Okla.	2,610,000	52	29	1:50,192	1:90,000
Tex.	11,460,000	168	116	1:68,214	1:98,793
Mountain					
Mont.	708,000	21	11	1:33,714	1:64,364
Ida.	732,000	50	37	1:14,640	1:19,784
Wyo.	340,000	11	7	1:30,909	1:48,571
Colo.	2,283,000	*	*	*	*
N.M.	1,030,000	56 (s)	33 (s)	1:18,393	1:31,212
Ariz.	1,849,000	47	29	1:39,340	1:63,759
Utah	1,099,000	60	46	1:18,317	1:23,891
Nev.	507,000	23	12	1:22,043	1:42,250
Pacific					
Wash.	3,449,000	64	31	1:53,891	1:111,258
Ore.	2,158,000	45	30	1:47,956	1:71,933
Cal.	20,223,000	282	184	1:71,713	1:109,908
Alaska	313,000	25	11	1:12,520	1:28,455
Hawaii	789,000	48	31	1:16,438	1:25,452
Guam	85,000	13	11	1:6,538	1:7,727
P.R.	2,712,000	136	85	1:19,941	1:31,906
V.I.	62,000	9	6	1:6,889	1:10,333

TABLE 1-6. RATIOS OF EXPENDITURES TO PERSONNEL

	Total Expenditures	Total Personnel (r)	Professional and Technical Personnel (r)	Expenditures per Employee	Expenditures per Prof. & Tech. Employee
New England					
Me.	$ 531,865	47	32	$ 11,316.28	$ 16,620.78
N.H.	202,300	20	13	10,115.00	15,561.54
Vt.	320,778	26	13	12,337.62	24,675.23
Mass.	*	201	70	*	*
R.I.	908,000	59	41	15,389.83	22,146.34
Conn.	2,267,067	202	131	11,223.10	17,305.85
Middle Atlantic					
N.Y.	9,431,000	660	396	14,289.39	23,815.66
N.J.	3,417,365	193	124	17,706.55	27,559.40
Pa.	*	*	*	*	*
East North Central					
Ohio	1,919,480	159	98	12,072.20	19,586.53
Ind.	712,343	71	40	10,033.00	17,808.58
Ill.	2,043,922	118	75	17,321.37	27,252.29
Mich.	6,394,800	393	217	16,271.76	29,469.12
Wisc.	2,772,625	150	96	18,484.17	28,881.51
West North Central					
Minn.	*	83	51	*	*
Ia.	1,447,822	99	63	14,624.46	22,981.30
Mo.	487,057	50	32	9,741.14	15,220.53
N.D.	255,737	28	15	9,133.46	17,049.13
S.D.	161,011	20	11	8,050.55	14,637.36
Nebr.	243,371	26	17	9,360.42	14,315.94
Kans.	801,045	70	45	11,443.50	17,801.00
South Atlantic					
Del.	173,347	31	22	5,591.84	7,879.41
Md.	3,278,159	268	185	12,231.94	17,719.78
D.C.	1,059,362	65	54	16,297.88	19,617.81
Va.	779,558	86	53	9,064.63	14,708.64
W.Va.	598,815	50	26	11,976.30	23,031.35
N.C.	1,531,542	123	77	12,451.56	19,890.16
S.C.	912,403	111	78	8,219.85	11,697.47
Ga.	1,785,413	154	88	11,593.59	20,288.78
Fla.	1,865,679	214	127	8,718.13	14,690.39
East South Central					
Ky.	721,396	67	33	10,767.10	21,860.48
Tenn.	1,407,900	146	91	9,643.15	15,471.43
Ala.	1,912,900	193	115	9,911.40	16,633.91
Miss.	559,963	43	27	13,022.40	20,739.37
West South Central					
Ark.	428,701	50	32	8,574.02	13,396.91
La.	1,462,612	149	72	9,816.19	20,314.06
Okla.	489,191	52	29	9,407.52	16,868.66
Tex.	2,742,072	168	116	16,321.86	23,638.55
Mountain					
Mont.	320,836	21	11	15,277.90	29,166.91
Ida.	593,854	50	37	11,877.08	16,050.11
Wyo.	120,887	11	7	10,989.73	17,269.57
Colo.	*	*	*	*	*
N.M.	590,387	56 (s)	33 (s)	10,542.63	17,890.52
Ariz.	637,431	47	29	13,562.36	21,980.38
Utah	592,467	60	46	9,874.45	12,879.72
Nev.	266,649	23	12	11,593.43	22,220.75

TABLE 1-6. RATIOS OF EXPENDITURES TO PERSONNEL
(Continued)

	Total Expenditures	Total Personnel (r)	Professional and Technical Personnel (r)	Expenditures per Employee	Expenditures per Prof. & Tech. Employee
Pacific					
Wash.	$ 985,865	64	31	$ 15,404.14	$ 31,802.10
Ore.	555,323	45	30	12,340.51	18,510.77
Cal.	5,142,000	282	184	18,234.04	27,945.65
Alaska	580,000	25	11	23,200.00	52,727.27
Hawaii	620,842	48	31	12,934.21	20,027.16
Guam	138,158	13	11	10,627.54	12,559.82
P.R.	830,342	136	85	6,105.46	9,768.73
V.I.	155,289	9	6	17,254.33	25,881.50

TABLE 1-7. RANKING OF STATES BY EXPENDITURES AND BY EXPENDITURES PER CAPITA (t)

Rank	State	Expenditures	Rank	State	Per Capita Expenditures
1	N.Y.	$ 9,431,000	1	V.I.	$ 2.505
2	Mich.	6,394,800	2	Alaska	1.853
3	Cal.	5,142,000	3	Guam	1.625
4	N.J.	3,417,365	4	D.C.	1.430
5	Md.	3,278,159	5	R.I.	0.946
6	Wisc.	2,772,625	6	Md.	0.820
7	Tex.	2,742,072	7	Ida.	0.811
8	Conn.	2,267,067	8	Hawaii	0.787
9	Ill.	2,043,922	9	Conn.	0.736
10	Ohio	1,919,480	10	Mich.	0.711
11	Ala.	1,912,900	11	Vt.	0.700
12	Fla.	1,865,679	12	Wisc.	0.619
13	Ga.	1,785,413	13	N.M.	0.573
14	N.C.	1,531,542	14	Ala.	0.550
15	La.	1,462,612	15	Utah	0.539
16	Ia.	1,447,822	16	Me.	0.530
17	Tenn.	1,407,900	17	Nev.	0.526
18	D.C.	1,059,362	18	N.Y.	0.513
19	Wash.	985,865	19	Ia.	0.508
20	S.C.	912,403	20	N.J.	0.468
21	R.I.	908,000	21	Mont.	0.453
22	P.R.	830,342	22	N.D.	0.409
23	Kans.	801,045	23	La.	0.397
24	Va.	779,558	24	Ga.	0.383
25	Ky.	721,396	25	Wyo.	0.356
26	Ind.	712,343	26	Kans.	0.355
27	Ariz.	637,431	27	Tenn.	0.353
28	Hawaii	620,842	28	S.C.	0.347
29	W.Va.	598,815	29	Ariz.	0.345
30	Ida.	593,854	30	W.Va.	0.342

TABLE 1-7. RANKING OF STATES BY EXPENDITURES AND BY EXPENDITURES PER CAPITA (t)
(Continued)

Rank	State	Expenditures	Rank	State	Per Capita Expenditures
31	Utah	$ 592,467	31	Del.	$ 0.311
32	N.M.	590,387	32	P.R.	0.306
33	Alaska	580,000	33	N.C.	0.298
34	Miss.	559,963	34	Wash.	0.286
35	Ore.	555,323	35	N.H.	0.265
36	Me.	531,865	36	Fla.	0.265
37	Okla.	489,191	37	Ore.	0.257
38	Mo.	487,057	38	Cal.	0.254
39	Ark.	428,701	39	Miss.	0.252
40	Mont.	320,836	40	S.D.	0.240
41	Vt.	320,778	41	Tex.	0.239
42	Nev.	266,649	42	Ark.	0.221
43	N.D.	255,737	43	Ky.	0.220
44	Nebr.	243,371	44	Okla.	0.187
45	N.H.	202,300	45	Ill.	0.183
46	Del.	173,347	46	Ohio	0.178
47	S.D.	161,011	47	Va.	0.165
48	V.I.	155,289	48	Nebr.	0.161
49	Guam	138,158	49	Ind.	0.135
50	Wyo.	120,887	50	Mo.	0.103

TABLE 1-7A. RANKING OF STATES BY EXPENDITURES AND BY EXPENDITURES PER CAPITA ARRANGED BY REGION (t)

State	Expenditures	State	Per Capita Expenditures
New England		New England	
Conn.	$ 2,267,067	R.I.	$ 0.946
R.I.	908,000	Conn.	0.736
Me.	531,865	Vt.	0.700
Vt.	320,778	Me.	0.530
N.H.	202,300	N.H.	0.265
Middle Atlantic		Middle Atlantic	
N.Y.	9,431,000	N.Y.	0.513
N.J.	3,417,365	N.J.	0.468
East North Central		East North Central	
Mich.	6,394,800	Mich.	0.711
Wisc.	2,772,625	Wisc.	0.619
Ill.	2,043,922	Ill.	0.183
Ohio	1,919,480	Ohio	0.178
Ind.	712,343	Ind.	0.135
West North Central		West North Central	
Ia.	1,447,822	Ia.	0.508
Kans.	801,045	N.D.	0.409
Mo.	487,057	Kans.	0.355
N.D.	255,737	S.D.	0.240
Nebr.	243,371	Nebr.	0.161
S.D.	161,011	Mo.	0.103

TABLE 1-7A. RANKING OF STATES BY EXPENDITURES AND BY EXPENDITURES PER CAPITA ARRANGED BY REGION (t)
(Continued)

State	Expenditures	State	Per Capita Expenditures
South Atlantic		South Atlantic	
Md.	$ 3,278,159	D.C.	$ 1.430
Fla.	1,865,679	Md.	0.820
Ga.	1,785,413	Ga.	0.383
N.C.	1,531,542	S.C.	0.347
D.C.	1,059,362	W.Va.	0.342
S.C.	912,403	Del.	0.311
Va.	779,558	N.C.	0.298
W.Va.	598,815	Fla.	0.265
Del.	173,347	Va.	0.165
East South Central		East South Central	
Ala.	1,912,900	Ala.	0.550
Tenn.	1,407,900	Tenn.	0.353
Ky.	721,396	Miss.	0.252
Miss.	559,963	Ky.	0.220
West South Central		West South Central	
Tex.	2,742,072	La.	0.397
La.	1,462,612	Tex.	0.239
Okla.	489,191	Ark.	0.221
Ark.	428,701	Okla.	0.187
Mountain		Mountain	
Ariz.	637,431	Ida.	0.811
Ida.	593,854	N.M.	0.573
Utah	592,467	Utah	0.539
N.M.	590,387	Nev.	0.526
Mont.	320,836	Mont.	0.453
Nev.	266,649	Wyo.	0.356
Wyo.	120,887	Ariz.	0.345
Pacific		Pacific	
Cal.	5,142,000	Alaska	1.853
Wash.	985,865	Hawaii	0.787
Hawaii	620,842	Wash.	0.286
Alaska	580,000	Ore.	0.257
Ore.	555,323	Cal.	0.254
P.R.	830,342	V.I.	2.505
V.I.	155,289	Guam	1.625
Guam	138,158	P.R.	0.306

TABLE 1-8. RANKING OF STATES BY NUMBER OF SPECIMENS RECEIVED (u)

Rank	State	Number of Specimens Received
1	Florida	1,938,372
2	Alabama	1,135,498
3	Michigan	1,060,505
4	Maryland	984,061
5	Georgia	959,471
6	Tennessee	947,332
7	Mississippi	836,032
8	Ohio	819,702
9	Louisiana	774,090
10	North Carolina	761,456
11	Massachusetts	749,797
12	Connecticut	739,260
13	Wisconsin	674,696
14	New Jersey	668,539
15	South Carolina	666,347
16	Virginia	614,445
17	Texas	387,923
18	Oklahoma	369,156
19	Iowa	367,065
20	D.C.	348,468
21	Puerto Rico	345,202
22	Illinois	342,923
23	Oregon	330,381
24	Arkansas	312,081
25	Minnesota	308,682
26	Missouri	294,725
27	Kentucky	278,491
28	Kansas	268,296
29	Hawaii	240,409
30	Indiana	220,421
31	West Virginia	213,385
32	Rhode Island	182,479
33	Utah	176,962
34	North Dakota	172,548
35	Maine	167,820
36	Wyoming	164,390
37	Arizona	148,552
38	New Hampshire	144,748
39	Washington	139,508
40	Vermont	136,422
41	Nebraska	136,410
42	Alaska	135,943
43	Nevada	125,620
44	Idaho	125,487
45	Delaware	119,487
46	Montana	102,171
47	South Dakota	98,090
48	Virgin Islands	35,091
49	Guam	32,245

TABLE 1-8A. RANKING OF STATES BY NUMBER OF SPECIMENS RECEIVED ARRANGED BY REGION (u)

State	Number of Specimens Received
New England	
Mass.	749,797
Conn.	739,260
R.I.	182,479
Me.	167,820
N.H.	144,748
Vt.	136,422
Middle Atlantic	
N.J.	668,539
East North Central	
Mich.	1,060,505
Ohio	819,702
Wisc.	674,696
Ill.	342,923
Ind.	220,421
West North Central	
Ia.	367,065
Minn.	308,682
Mo.	294,725
Kans.	268,296
N.D.	172,548
Nebr.	136,410
S.D.	98,090
South Atlantic	
Fla.	1,938,372
Md.	984,061
Ga.	959,471
N.C.	761,456
S.C.	666,347
Va.	614,445
D.C.	348,468
W.Va.	213,385
Del.	119,487
East South Central	
Ala.	1,135,498
Tenn.	947,332
Miss.	836,032
Ky.	278,491
West South Central	
La.	774,090
Tex.	387,923
Okla.	369,156
Ark.	312,081
Mountain	
Utah	176,962
Wyo.	164,390
Ariz.	148,552
Nev.	125,620
Ida.	125,487
Mont.	102,171
Pacific	
Ore.	330,381
Hawaii	240,409
Wash.	139,508
Alaska	135,943
P.R.	345,202
V.I.	35,091
Guam	32,245

TABLE 1-9. RANKING OF STATES BY NUMBER OF BUDGETED POSITIONS (v)

Rank	State	Number of Budgeted Positions
1	New York	732
2	Michigan	405
3	California	298
4	Maryland	275
5	Massachusetts	227
6	New Jersey	224
7	Florida	222
8	Connecticut	219
9	Alabama	193
10	Ohio	179
11	Texas	172
12	Georgia	159
13	Wisconsin	156
14	Tennessee	152
15	Louisiana	149
16	Puerto Rico	141
17	Illinois	134
18	North Carolina	124
19	South Carolina	117
20	Iowa	104
21	Minnesota	88
22	Virginia	87
23	D.C.	74
24	Indiana	73
25	Washington	72
26	Kansas	70
27	Kentucky	68
28	Utah	61
29	Rhode Island	59
30	New Mexico	56
30	West Virginia	56
32	Oklahoma	55
33	Arkansas	52
34	Arizona	51
34	Hawaii	51
34	Missouri	51
37	Idaho	50
38	Mississippi	48
39	Maine	47
40	Oregon	45
41	Delaware	31
42	North Dakota	28
43	Nebraska	27
44	Alaska	26
44	Nevada	26
44	Vermont	26
47	Montana	21
48	New Hampshire	20
48	South Dakota	20
50	Guam	14
51	Wyoming	12
52	Virgin Islands	9

TABLE 1-9A. RANKING OF STATES BY NUMBER OF BUDGETED POSITIONS ARRANGED BY REGION (v)

State	Number of Budgeted Positions
New England	
Mass.	227
Conn.	219
R.I.	59
Me.	47
Vt.	26
N.H.	20
Middle Atlantic	
N.Y.	732
N.J.	224
East North Central	
Mich.	405
Ohio	179
Wisc.	156
Ill.	134
Ind.	73
West North Central	
Ia.	104
Minn.	88
Kans.	70
Mo.	51
N.D.	28
Nebr.	27
S.D.	20
South Atlantic	
Md.	275
Fla.	222
Ga.	159
N.C.	124
S.C.	117
Va.	87
D.C.	74
W.Va.	56
Del.	31
East South Central	
Ala.	193
Tenn.	152
Ky.	68
Miss.	48
West South Central	
Tex.	172
La.	149
Okla.	55
Ark.	52
Mountain	
Utah	61
N.M.	56
Ariz.	51
Ida.	50
Nev.	26
Mont.	21
Wyo.	12

TABLE 1-9A. RANKING OF STATES BY NUMBER OF BUDGETED POSITIONS ARRANGED BY REGION (v)
(Continued)

State	Number of Budgeted Positions
Pacific	
Cal.	298
Wash.	72
Hawaii	51
Ore.	45
Alaska	26
P.R.	141
Guam	14
V.I.	9

SECTION I. FOOTNOTES

(a) In the tables in this section, the states have been arranged by region rather than alphabetically to facilitate the comparison of a state with its neighbors.

(b) Expenditures: Analytical Services, 26%; Environmental Health, 25%. Personnel: Analytical Services, 26%; Environmental Health, 21%.

(c) Percentages would not be meaningful because of additional "one-shot" money for improvement.

(d) Minimal amount. No specific funds appropriated.

(e) None full time. Several spend 5-10% of their time on ILI.

(f) Management, clerical, supportive.

(g) Administration and support.

(h) Laboratory support.

(i) Support and clerical.

(j) Management, support, supplies.

(k) Administration and support.

(l) Where reporting of specimens and/or examinations was essentially complete, an estimate was made fo: e missing figures.

(m) Where too many figures were omitted for an estimate of the total to be made, the state is shown as not reporting. However, partial reporting was as follows: California, 124,866 specimens, 181,980 exams; Massachusetts, 1,320,614 exams; New Mexico, 202,701 specimens; New York, 338,622 specimens, 630,218 exams.

(n) Partial total only.

(o) Rabies only.

(p) Estimated.

(q) Estimated population as of July 1, 1971. Taken from Statistical Abstract of the United States: 1972. U.S. Bureau of the Census. (93rd Edition) Washington, D.C., 1972, pages 14 and 792. Figures for Guam, Puerto Rico, and the Virgin Islands are as of April 1, 1970, based on census count.

(r) Based on filled positions.

(s) Budgeted positions figure used.

(t) States not included in Table: Colorado, Massachusetts, Minnesota, and Pennsylvania.

(u) States not included in Table: California, Colorado, New Mexico, New York, and Pennsylvania.

(v) States not included in Table: Colorado, Pennsylvania.

SECTION II

DIAGNOSTIC WORKLOAD

TABLE 2-1. DIAGNOSTIC BACTERIOLOGY: THROAT CULTURES

	Specimens	Exams	Positives		
			Corynebacterium diphtheriae	Streptococcus, beta hemolytic, Group A	Staphylococcus
Ala.	52,539	58,046	25	4,785	337
Alaska	7,569	15,916	9	1,535	449
Ariz.	1,783	2,391	3	264	-
Ark.	7,714	18,165	-	1,501	47
Cal.	6	*	2	-	-
Colo.	*	*	*	*	*
Conn.	283,930	353,989	-	46,154	1,806
Del.	488	2,831	-	61	56
D.C.	3,106	3,106	-	-	383
Fla.	13,725	44,593	19	2,623	776
Ga.	9,802	10,717	-	1,774	-
Hawaii	56,253	91,553	1	5,618	4,454
Ida.	13,836	15,872	1	1,561	*
Ill.	55,773	55,900	3	6,960	515
Ind.	-	-	-	2	30
Ia.	32,192	59,361	-	4,308	572
Kans.	23,954	30,098	-	4,818	51
Ky.	6,413	6,413	-	1,306	-
La.	19,326	41,638	16	5,401	1,381
Me.	23,777	30,639	-	4,179	1,536
Md.	53,377	53,377	-	8,760	11,968
Mass.	152,375	*	-	34,814	-
Mich.	123,770	245,534	5	12,523	22,504
Minn.	684	702	-	-	-
Miss.	59,517	59,517	1	8,407	- (a)
Mo.	47,089	104,365	-	9,214	-
Mont.	2,667	2,669	2	395	12
Nebr.	1,167	3,002	-	201	126
Nev.	215	664	*	*	*
N.H.	36,017	37,046	-	5,714	283
N.J.	37	93	-	-	8
N.M.	28,510	27,266	-	4,177	*
N.Y.	1,586	1,586	-	317	-
N.C.	35,626 (b)	47,743	-	6,687 (b)	2,410 (b)
N.D.	19,497	38,994	-	2,690	*
Ohio	197,097	240,780	4	32,767	2,364 (c)
Okla.	14,181	13,968 (d)	-	616	95
Ore.	57,928	82,264	5	12,322	90
Pa.	*	*	*	*	*
R.I.	41,584	62,376	2	7,671	-
S.C.	1,736	2,292	1	176	55
S.D.	15,722	29,558	-	4,082 (e)	-
Tenn.	116,373	116,373	-	21,204	-
Tex.	5,330	37,310	2	1,119	89
Utah	35,789	43,830	-	6,252	2
Vt.	21,635	22,646	-	3,317 (e)	10
Va.	73,263	84,181	-	9,941	6,208
Wash.	5,492	7,898	152	374 (f)	8
W.Va.	20,599	40,198	-	5,825	114
Wisc.	35,613	35,613	-	5,204	-
Wyo.	137,031	150,278	-	10,786	-
Guam	300	508	-	7	18
P.R.	4,072	8,996	-	306	290
V.I.	800	863	-	7	10

TABLE 2-2. DIAGNOSTIC BACTERIOLOGY: VINCENT'S ANGINA

	Specimens	Exams	Positives
Ala.	82	3,470	79
Alaska	-	-	-
Ariz.	-	-	-
Ark.	-	-	-
Cal.	-	-	-
Colo.	*	*	*
Conn.	233	268	66 (g)
Del.	11	11	5
D.C.	-	-	-
Fla.	20	20	8
Ga.	22	21	4
Hawaii	-	-	-
Ida.	*	*	*
Ill.	255	255	82
Ind.	- (h)	9,071	5
Ia.	48	96	17
Kans.	14	14	4
Ky.	-	-	-
La.	10	10	10
Me.	81	81	35
Md.	-	-	-
Mass.	-	-	-
Mich.	447	461	96
Minn.	5	5	-
Miss.	7	7	2
Mo.	-	-	-
Mont.	-	-	-
Nebr.	-	-	-
Nev.	-	-	-
N.H.	8	8	2
N.J.	-	-	-
N.M.	-	-	-
N.Y.	-	-	-
N.C.	3	3	1
N.D.	130	130	21
Ohio	42	42	1
Okla.	10	4	-
Ore.	-	-	-
Pa.	*	*	*
R.I.	48	48	31
S.C.	-	-	-
S.D.	1	1	-
Tenn.	5	5	3
Tex.	-	-	-
Utah	-	-	-
Vt.	<50	<50	*
Va.	64	64	23
Wash.	-	-	-
W.Va.	3	3	1
Wisc.	45	45	14
Wyo.	6	6	2
Guam	-	-	-
P.R.	-	-	-
V.I.	-	-	-

TABLE 2-3. DIAGNOSTIC BACTERIOLOGY: MYCOBACTERIUM

	Specimens	Exams	Positives	
			Mycobacterium tuberculosis	Mycobacterium, Atypical
Ala.	56,258	294,560	4,277	2,628
Alaska	15,040	17,868	303	-
Ariz.	13,093	25,549	854	376
Ark.	19,195	42,058	1,168	374
Cal.	2,033	*	82	35
Colo.	*	*	*	*
Conn.	7,652	19,360	405	366
Del.	-	-	-	-
D.C.	3,913	11,907	84	40
Fla.	57,008	171,024	1,762	2,801
Ga.	35,248	69,545	1,299	422
Hawaii	8,001	24,767	94	310
Ida.	1,956	9,623	117	*
Ill.	7,416	31,412	437	385
Ind.	5,747	5,747	444	391
Ia.	4,245	42,450	480	192
Kans.	7,781	15,562	270	521
Ky.	12,512	32,806	451	444
La.	47,342	120,586	1,636	1,827
Me.	4,260	8,150	438	65
Md.	18,351	37,651	642	425
Mass.	-	-	-	-
Mich.	14,852	50,196	1,484	537
Minn.	14,436	26,554	363	205
Miss.	22,139	22,139	837	461
Mo.	-	-	-	-
Mont.	2,873	15,664	110	12
Nebr.	2,712	10,963	186	170
Nev.	2,311	7,642	*	*
N.H.	8,444	12,406	742	90
N.J.	27,772	199,958	1,818	567
N.M.	8,980	15,512	788	-
N.Y.	6,929	*	-	286
N.C.	15,831	29,106	468	498
N.D.	4,808	14,424	94	27
Ohio	11,659	65,003	533	384
Okla.	9,150	7,725	362	243
Ore.	4,028	9,805	301	45
Pa.	*	*	*	*
R.I.	1,553	1,470	138	6
S.C.	15,135	68,382	4,046	779
S.D.	3,696	13,874	712 (i)	(i)
Tenn.	42,768	85,536	3,113	2,037
Tex.	17,295	69,830	667	896
Utah	2,207	9,892	99	19
Vt.	2,538	5,089	114	17
Va.	20,520	83,238	541	392
Wash.	5,636	33,123	230	141
W.Va.	12,184	23,878	279	316
Wisc.	8,147	70,227	433	423
Wyo.	580	1,160	29	1
Guam	1,671	5,184	134	-
P.R.	-	-	-	-
V.I.	413	806	4	12

TABLE 2-4. DIAGNOSTIC BACTERIOLOGY: ENTERIC CULTURES

	Specimens	Exams	Positives			
			Salmonella	Shigella	Enteropathogenic E. coli	Other
Ala.	6,001	19,606	563	110	130	21
Alaska	2,687	2,811	44	59	112	-
Ariz.	2,238	6,478	559	560	40	-
Ark.	5,451	28,179	501	155	10	229
Cal.	740	*	33	32	2	-
Colo.	*	*	*	*	*	*
Conn.	11,663	25,056	797	377	116	306
Del.	294	2,416	19	3	13	-
D.C.	851	3,454	18	51	3	-
Fla.	44,687	135,665	1,213	352	-	39
Ga.	23,091	46,124	592	322	2	3
Hawaii	9,109	26,905	1,131	149	84	59
Ida.	908	1,648	76	66	54	-
Ill.	3,230	14,788	261	109	15	2
Ind.	2,630	2,630	509	256	37	219
Ia.	2,930	19,884	159	312	1	80
Kans.	8,762	26,286	655	326	24	580
Ky.	1,003	4,344	203	75	-	-
La.	26,833	108,523	615	178	62	260
Me.	1,212	4,848	51	55	4	-
Md.	7,494	8,186	330	303	6	-
Mass.	12,368	*	1,784	627	125	14
Mich.	17,887	34,476	790	448	7	106
Minn.	4,327	8,654	741	101	55	2
Miss.	6,418	6,418	297	162	-	-
Mo.	1,719	51,721	261	101	8	186
Mont.	730	5,860	91	75	1	73
Nebr.	278	996	5	1	-	-
Nev.	487	2,981	28	8	3	6
N.H.	1,439	5,576	78	32	1	-
N.J.	7,301	31,394	765	166	61	53
N.M.	4,788	4,788	450	838	*	*
N.Y.	2,678	2,678	154	36	257	779
N.C.	4,764	10,905	684 (j)	428 (j)	144 (j)	-
N.D.	3,615	14,460	81	78	213	-
Ohio	1,942 (k)	13,866	83	45	8	-
Okla.	2,207	2,191	226	181	11	2
Ore.	2,382	4,083	268	224	15	4
Pa.	*	*	*	*	*	*
R.I.	2,328	9,312	217	31	4	-
S.C.	328	1,466	132	49	5	82
S.D.	1,367	9,289	95	106	-	-
Tenn.	9,913	9,913	523	203	15	-
Tex.	6,084	201,936	494	430	57	-
Utah	2,551	6,807	143	203	14	-
Vt.	731	731	54	7	3	-
Va.	12,594	44,607	842	151	11	17
Wash.	2,788	18,453	423	185	62	202
W.Va.	580	2,212	77	10	1	-
Wisc.	8,451	25,009	1,507	349	141	224
Wyo.	329	601	20	10	30	37
Guam	16	120	3	-	-	-
P.R.	269	807	20	5	11	4
V.I.	544	610	1	1	-	-

TABLE 2-5. DIAGNOSTIC BACTERIOLOGY: ENTERIC SEROGROUPING AND SEROTYPING

	Enteric Serogrouping		Enteric Serotyping	
	Specimens	Exams	Specimens	Exams
Ala.	-	-	634	3,904
Alaska	205	205	-	-
Ariz.	-	1,129	-	1,119
Ark.	666	666	511	511
Cal.	4,400	*	4,400	*
Colo.	*	*	*	*
Conn.	898	8,142	898	1,290
Del.	35	228	- (1)	- (1)
D.C.	239	239	257	257
Fla.	3,573	7,146	3,573	7,146
Ga.	2,157	2,157	2,157	2,157
Hawaii	-	-	-	-
Ida.	-	329	-	131
Ill.	4,343	17,372	3,779	15,116
Ind.	802	802	802	802
Ia.	1,314	1,314	350	700
Kans.	1,144	1,144	1,033	1,033
Ky.	-	278	-	203
La.	1,386	2,772	1,386	2,772
Me.	610	810	-	-
Md.	-	-	-	2,327
Mass.	3,517	*	1,223	*
Mich.	892	892	2,430	2,474
Minn.	899	899	741	741
Miss.	(m)	220	(m)	220
Mo.	508	814	312	6,240
Mont.	-	167	-	167
Nebr.	10	40	38	150
Nev.	687	687	-	-
N.H.	95	699	-	-
N.J.	1,530 (m)	1,530 (m)	1,062 (1)	1,062 (1)
N.M.	1,500	1,500	-	-
N.Y.	*	*	*	*
N.C.	-	-	1,068	1,068
N.D.	-	159	-	159
Ohio	1,378	1,378	1,148	1,148
Okla.	420	420	407	407
Ore.	-	1,000	-	511
Pa.	*	*	*	*
R.I.	252	1,550	217	1,519
S.C.	-	78	-	-
S.D.	-	-	-	-
Tenn.	2,410	2,410	2,410	2,410
Tex.	3,237	3,237	2,557	2,557
Utah	-	362	-	362
Vt.	61	61	64	64
Va.	-	-	-	-
Wash.	417	417	319	319
W.Va.	77	77	77	77
Wisc.	1,600	1,600	1,708	1,708
Wyo.	58	58	20	20
Guam	3	3	-	-
P.R.	60	420	70	309
V.I.	28	40	-	-

TABLE 2-6. DIAGNOSTIC BACTERIOLOGY: BACTERIOPHAGE TYPING

	Specimens	Examinations	
		Staphylococcus	Salmonella
Ala.	-	-	-
Alaska	-	-	-
Ariz.	-	-	-
Ark.	-	-	-
Cal.	149	-	144 (n)
Colo.	*	*	*
Conn.	3,565	9,247	-
Del.	- (1)	-	-
D.C.	-	-	-
Fla.	-	-	-
Ga.	23	-	23
Hawaii	1,884	1,882	2
Ida.	-	-	-
Ill.	1,470	1,436	34
Ind.	262	262	-
Ia.	279	12,288	-
Kans.	1,546	1,546	-
Ky.	1,206	4,640	-
La.	307	307	-
Me.	-	-	-
Md.	2,615	2,615	-
Mass.	-	-	-
Mich.	3,806	3,807	-
Minn.	3	(1)	3
Miss.	-	-	-
Mo.	-	-	-
Mont.	15	15	-
Nebr.	-	-	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	214	- (1)	-
N.M.	1,052	1,052	-
N.Y.	2,222	2,222	-
N.C.	-	-	-
N.D.	-	-	-
Ohio	3,437	3,437	- (1)
Okla.	-	-	-
Ore.	151	- (1)	-
Pa.	*	*	*
R.I.	-	-	-
S.C.	-	-	-
S.D.	16	16 (i)	(i)
Tenn.	3,838	3,801	37
Tex.	1,964	1,875	89
Utah	-	-	-
Vt.	696	696	-
Va.	400	400	-
Wash.	-	-	-
W.Va.	-	-	-
Wisc.	-	-	-
Wyo.	-	-	-
Guam	-	-	-
P.R.	-	-	-
V.I.	-	-	-

TABLE 2-7. DIAGNOSTIC BACTERIOLOGY: BLOOD CULTURES

	Specimens	Exams	Positives		
			Gram negative bacteria	Brucella	Other
Ala.	84	1,768	40	2	48
Alaska	13	25	-	-	-
Ariz.	36	94	*	*	*
Ark.	27	81	14	-	4
Cal.	20	*	-	3	-
Colo.	*	*	*	*	*
Conn.	1	1	-	-	-
Del.	3	12	1	-	-
D.C.	46	46	1	-	-
Fla.	38	20	-	-	3
Ga.	351	350	6	-	4
Hawaii	16	17	-	-	-
Ida.	3	8	-	-	-
Ill.	4	16	-	-	-
Ind.	-	-	-	-	-
Ia.	22	154	-	-	4
Kans.	52	52	16	1	17
Ky.	-	-	-	-	-
La.	5,420	5,420	-	4	-
Me.	-	-	-	-	-
Md.	728	728	*	*	*
Mass.	165	*	92	2	73
Mich.	108	232	12	1	30
Minn.	139	289	2	2	7
Miss.	292	292	-	1	-
Mo.	110	110	-	-	55
Mont.	2	3	1	-	1
Nebr.	1	3	-	-	-
Nev.	-	-	-	-	-
N.H.	15	33	4	-	-
N.J.	-	-	-	-	-
N.M.	*	*	*	*	*
N.Y.	1,104	2,896	*	*	*
N.C.	-	-	-	-	-
N.D.	415	2,075	*	*	*
Ohio	-	-	-	-	-
Okla.	-	-	-	-	-
Ore.	28	66	9	-	18
Pa.	*	*	*	*	*
R.I.	10	20	5	-	-
S.C.	20	60	-	2	18
S.D.	53	52	3 (o)	(o)	(o)
Tenn.	5	5	-	-	-
Tex.	15	152	-	-	-
Utah	12	60	*	-	*
Vt.	<10	<10	*	*	*
Va.	1,243	1,795	76	23	3
Wash.	-	-	-	-	-
W.Va.	13	39	5	-	4
Wisc.	79	711	5	2	8
Wyo.	-	-	-	-	-
Guam	-	-	-	-	-
P.R.	23	69	3	-	2
V.I.	214	241	-	-	-

TABLE 2-8. DIAGNOSTIC BACTERIOLOGY: SPINAL FLUID CULTURES

	Specimens	Exams	Positives	
			Meningococcus	Other
Ala.	26	570	3	27
Alaska	*	*	*	*
Ariz.	20	57	*	*
Ark.	25	75	8	-
Cal.	-	-	-	-
Colo.	*	*	*	*
Conn.	-	-	-	-
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	10	30	-	-
Ga.	29	29	-	5
Hawaii	2	3	-	-
Ida.	*	*	*	*
Ill.	(p)	(p)	35	(p)
Ind.	-	-	-	-
Ia.	3	18	-	2
Kans.	27	33	6	16
Ky.	-	-	-	-
La.	-	-	-	-
Me.	-	-	-	-
Md.	- (a)	-	-	-
Mass.	84	*	17	67
Mich.	10	28	-	7
Minn.	37	84	1	9
Miss.	5	5	-	-
Mo.	-	-	-	-
Mont.	10	17	2	4
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	5	24	1	-
N.J.	2	5	-	2
N.M.	91	91	91	-
N.Y.	6,642	6,642	99	-
N.C.	-	-	-	-
N.D.	97	205	5	13
Ohio	-	-	-	-
Okla.	-	-	-	-
Ore.	17	48	7	10
Pa.	*	*	*	*
R.I.	30	60	28	2
S.C.	6	18	-	-
S.D.	-	-	-	-
Tenn.	-	-	-	-
Tex.	-	-	-	-
Utah	7	42	4	*
Vt.	-	-	-	-
Va.	25	143	4	19
Wash.	38	38	*	*
W.Va.	8	24	1	4
Wisc.	30	180	-	5
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	7	28	1	-
V.I.	7	17	5	-

TABLE 2-9. DIAGNOSTIC BACTERIOLOGY: WOUNDS, LESIONS, AND BODY FLUIDS

	Staphylococcus			Anaerobes			Other		
	Specimens	Exams	Positives	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	-	-	-	97	1,940	97	97	3,240	162
Alaska	644	644	479	738	738	148	34	34	21
Ariz.	73	197	*	-	-	-	-	-	-
Ark.	47	141	39	95	285	93	-	-	-
Cal.	-	-	-	-	-	-	-	-	-
Colo.	*	*	*	*	*	*	*	*	*
Conn.	- (p)	-	-	- (p)	-	-	- (p)	-	-
Del.	-	-	-	-	-	-	-	-	-
D.C.	150	600	150	-	-	-	-	-	-
Fla.	- (q)	- (q)	-	576	1,694	559	832 (q)	1,664 (q)	*
Ga.	742 (r)	742 (r)	177	(r)	(r)	16	(r)	(r)	267
Hawaii	41	79	35	63	126	61	2,074	5,231	1,794
Ida.	*	*	*	*	*	*	*	*	*
Ill.	(p)	(p)	(p)	(p)	(p)	(p)	(p)	(p)	(p)
Ind.	-	-	-	-	-	-	-	-	-
Ia.	850	850	242	-	-	227	-	-	1,021
Kans.	297	594	47	297	594	67	297	594	183
Ky.	-	-	-	-	-	-	-	-	-
La.	3,870	3,870	1,381	-	-	-	-	-	-
Me.	-	-	-	127	127	127	-	-	-
Md.	10,270 (r)	10,270 (r)	*	(r)	(r)	*	(r)	(r)	*
Mass.	18	*	9	67	*	67	336	*	336
Mich.	14,093 (r)	25,099 (r)	8,921	(r)	(r)	51	(r)	(r)	14,017
Minn.	25 (r)	68 (r)	5	(r)	(r)	6	(r)	(r)	7
Miss.	1,311 (r)	900	778	-	-	-	(r)	411	208
Mo.	-	-	-	-	-	-	-	-	-
Mont.	34	63	29	26	38	28	70	106	37
Nebr.	-	-	-	-	-	-	-	-	-
Nev.	*	*	*	*	*	*	277	1,108	154
N.H.	12	41	2	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-	-
N.M.	*	*	*	*	*	*	*	*	*
N.Y.	2,222	*	2,146	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-	-
N.D.	3,631	18,155	719	453	2,265	148	-	-	-
Ohio	-	-	-	-	-	-	-	-	-
Okla.	-	-	-	-	-	-	-	-	-
Ore.	151	301	59	42	126	40	-	-	-
Pa.	*	*	*	*	*	*	*	*	*
R.I.	170	240	160	20	40	17	-	-	-
S.C.	12	36	12	3	9	3	26	78	26
S.D.	-	-	-	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-	-
Utah	*	*	*	10	*	5	*	*	7
Vt.	524	524	524	<10	<10	*	-	-	-
Va.	533 (r)	3,701 (r)	251	(r)	(r)	37	(r)	(r)	226
Wash.	-	-	-	-	-	-	-	-	-
W.Va.	131	228	114	8	24	6	-	-	-
Wisc.	4,104	4,104	931	768	768	184	-	-	-
Wyo.	-	-	-	-	-	-	-	-	-
Guam	98	130	38	-	-	-	125	417	70
P.R.	105	210	30	5	5	-	50	100	50
V.I.	223 (r)	273 (r)	15	(r)	(r)	2	-	-	-

TABLE 2-10. DIAGNOSTIC BACTERIOLOGY: DENTAL CARIES CULTURES

	Specimens	Exams
Ala.	-	-
Alaska	-	-
Ariz.	-	-
Ark.	-	-
Cal.	-	-
Colo.	*	*
Conn.	-	-
Del.	-	-
D.C.	-	-
Fla.	1,389	1,389
Ga.	-	-
Hawaii	-	-
Ida.	-	-
Ill.	-	-
Ind.	-	-
Ia.	-	-
Kans.	-	-
Ky.	-	-
La.	7	7
Me.	-	-
Md.	-	-
Mass.	-	-
Mich.	6,097	5,834
Minn.	-	-
Miss.	-	-
Mo.	-	-
Mont.	-	-
Nebr.	3	6
Nev.	-	-
N.H.	-	-
N.J.	-	-
N.M.	-	-
N.Y.	-	-
N.C.	-	-
N.D.	-	-
Ohio	-	-
Okla.	-	-
Ore.	-	-
Pa.	*	*
R.I.	-	-
S.C.	-	-
S.D.	-	-
Tenn.	584	584
Tex.	282	564
Utah	-	-
Vt.	-	-
Va.	113	113
Wash.	-	-
W.Va.	-	-
Wisc.	-	-
Wyo.	-	-
Guam	-	-
P.R.	2,320	2,320
V.I.	-	-

TABLE 2-11. DIAGNOSTIC BACTERIOLOGY: URINE CULTURES

	Specimens	Exams	Positives
Ala.	131	2,381	119
Alaska	4,163	4,163	980
Ariz.	-	-	-
Ark.	-	-	-
Cal.	260 (s)	*	3
Colo.	*	*	*
Conn.	-	-	-
Del.	99	683	59
D.C.	1,246	4,984	*
Fla.	2,146	2,146	*
Ga.	181	181	*
Hawaii	607	1,562	502
Ida.	-	-	-
Ill.	(p)	(p)	(p)
Ind.	-	-	-
Ia.	-	-	-
Kans.	274	274	274
Ky.	-	-	-
La.	-	-	-
Me.	-	-	-
Md.	10,185	10,185	*
Mass.	*	*	*
Mich.	13,895	20,449	16,264
Minn.	-	-	-
Miss.	606	606	-
Mo.	-	-	-
Mont.	48	74	39
Nebr.	1	3	-
Nev.	-	-	-
N.H.	486	1,425	32
N.J.	68	292	10
N.M.	*	*	*
N.Y.	-	-	-
N.C.	-	-	-
N.D.	2,772	8,316	*
Ohio	-	-	-
Okla.	-	-	-
Ore.	52	124	5
Pa.	*	*	*
R.I.	56	112	45
S.C.	369	1,028	124
S.D.	-	-	-
Tenn.	-	-	-
Tex.	-	-	-
Utah	37	37	*
Vt.	-	-	-
Va.	122	761	110
Wash.	-	-	-
W.Va.	140	560	140
Wisc.	1,169	1,169	446
Wyo.	-	-	-
Guam	168	346	95
P.R.	1,534	1,534	1,508
V.I.	653	1,145	281

TABLE 2-12. DIAGNOSTIC BACTERIOLOGY: GENITAL SMEARS

	Specimens	Exams	Positives			
			Trichomonas	Gram negative Diplococcus	Yeast	Darkfield
Ala.	17,358	17,239 (t)	1,684	1,405	1,643	-
Alaska	40	40	-	-	-	-
Ariz.	- (u)	1,650	*	*	*	*
Ark.	427	427	-	137	-	-
Cal.	1,384	*	-	124	-	8
Colo.	*	*	*	*	*	*
Conn.	22,368	77,354	1,344	1,347	1,751	-
Del.	8,948	8,948	1,749	867	-	16
D.C.	-	-	-	-	-	-
Fla.	104,348	104,348	7,016	16,922	5,268	103 (v)
Ga.	27,635	27,460	4,129	3,314	1,363	-
Hawaii	25	21	5	-	-	-
Ida.	2,614	2,615	15	519	*	1
Ill.	23,749	23,749	1,458	2,649	1,692	-
Ind.	9,071	9,071	806	832	739	-
Ia.	2,901	5,802	-	410	-	-
Kans.	2,880	2,880	-	814	-	-
Ky.	3,394	3,378	-	651	-	-
La.	21,728	21,728	-	-	-	2
Me.	2,011	2,011	-	705	-	-
Md.	13,112	13,112	*	*	*	*
Mass.	7,013	*	-	859	-	-
Mich.	87,078	201,714	4,488	4,901	6,541	5
Minn.	39,837	39,837	914	187	-	-
Miss.	326	326	-	171	-	-
Mo.	4,808	8,840	-	732	-	-
Mont.	138	138	-	33	-	-
Nebr.	2,058	2,346	-	294	-	4
Nev.	9,887	10,421	-	1,875	-	9
N.H.	2,692	2,701	12	230	22	-
N.J.	3,608	3,608	-	1,268	-	-
N.M.	3,152	3,152	-	1,243	*	-
N.Y.	-	-	-	-	-	-
N.C.	-	-	-	-	-	-
N.D.	1,348	1,348	28	147	-	2
Ohio	6,758	6,759	266	1,128	*	-
Okla.	3,666	3,650	167	1,510	35	32
Ore.	6,413	6,300	-	739	-	-
Pa.	*	*	*	*	*	*
R.I.	3,393	20,358	255	207	245	-
S.C.	6,625	6,772	35	3,378	-	10
S.D.	559	559	57 (o)	(o)	(o)	-
Tenn.	79	79	11	-	-	-
Tex.	380	380	-	31	-	-
Utah	293	293	*	46	*	-
Vt.	1,114	2,040	10	187	-	1
Va.	11,651	11,651	-	2,123	-	-
Wash.	3,357	3,357	-	465	-	12
W.Va.	1,712	1,712	70	242	70	-
Wisc.	409	361 (w)	-	84	-	-
Wyo.	120	120	-	14	-	-
Guam	380	415	14	70	18	-
P.R.	-	4,640	-	353	-	-
V.I.	961	961	28	360	89	15

TABLE 2-13. DIAGNOSTIC BACTERIOLOGY: NEISSERIA GONORRHOEAE CULTURES

	Specimens	Exams	Positives
Ala.	128,235	262,792	12,291
Alaska	27,769	27,890	2,082
Ariz.	5,948	5,004	*
Ark.	50,497	55,026	3,598
Cal.	9,936	*	674
Colo.	*	*	*
Conn.	23,694	44,479	898
Del.	12,394	12,394	511
D.C.	31,471	31,471	957
Fla.	113,932	113,932	13,186
Ga.	91,461	91,461	5,522
Hawaii	75,777	77,144	2,041
Ida.	17,394	17,394	1,399
Ill.	36,310	37,914	1,436
Ind.	186	186	17
Ia.	1,737	3,474	103
Kans.	29,548	30,779	1,231
Ky.	3,189	6,309	41
La.	45,936	45,936	4,853
Me.	12,159	12,159	495
Md.	163,037	163,037	*
Mass.	12,227	*	498
Mich.	79,292	79,174	2,043
Minn.	33,535	33,535	2,132
Miss.	97,999	97,999	6,548
Mo.	16,696	32,341	396
Mont.	6,232	6,232	314
Nebr.	7,810	16,470	283
Nev.	20,019	47,298	613
N.H.	10,429	13,370	269
N.J.	127,387	191,081	7,192
N.M.	31,725	31,725	1,454
N.Y.	63,898	63,898	2,292
N.C.	2,572 (x)	2,587	1,061
N.D.	2,593	7,779	*
Ohio	29,871	31,935	688
Okla.	61,863	61,678	2,637
Ore.	1,244	1,812	107
Pa.	*	*	*
R.I.	-	-	-
S.C.	70,348	81,307	3,034
S.D.	4,649	7,272	444
Tenn.	70,957	70,957	4,656
Tex.	20,445	29,599	1,102
Utah	18,266	18,266	212
Vt.	10,106	10,106	115
Va.	47,044	113,914	2,160
Wash.	12,114	13,783	943
W.Va.	31,225	63,266	816
Wisc.	16,010	15,975 (y)	554
Wyo.	933	1,053	85
Guam	225	289	40
P.R.	45,959	45,959	1,159
V.I.	3,100	3,100	360

TABLE 2-14. DIAGNOSTIC BACTERIOLOGY: ANTIBIOTIC SENSITIVITY

	Mycobacteria		Other	
	Specimens	Exams	Specimens	Exams
Ala.	776	776	15	17
Alaska	9,338	9,338	2,246	2,246
Ariz.	722	722	-	1
Ark.	644	644	-	-
Cal.	188	*	-	-
Colo.	*	*	*	*
Conn.	358	358	-	-
Del.	-	-	116	812
D.C.	-	-	-	-
Fla.	859	859	441	441
Ga.	765	765	-	-
Hawaii	489	489	-	-
Ida.	15	15	447	447
Ill.	431	932	-	-
Ind.	507	507	-	-
Ia.	449	449	1,159	1,159
Kans.	257	257	123	123
Ky.	301	301	-	-
La.	4,128	4,128	5,010	5,010
Me.	1,003	1,003	-	-
Md.	(z)	654	- (aa)	15,022
Mass.	-	-	-	-
Mich.	947	947	24,800	24,800
Minn.	279	279	-	-
Miss.	340	340	99	99
Mo.	-	-	-	-
Mont.	74	74	19	26
Nebr.	57	171	-	-
Nev.	-	- (l)	627	627
N.H.	-	-	-	-
N.J.	2,230 (z)	2,230 (z)	25 (m)	25 (m)
N.M.	209	209	178	178
N.Y.	-	-	-	-
N.C.	448	448	-	-
N.D.	(z)	55	6,263	6,263
Ohio	130	1,560	234	234
Okla.	49	49	20	20
Ore.	178	1,068	-	-
Pa.	*	*	*	*
R.I.	80	80	-	-
S.C.	756	756	221	221
S.D.	(aa)	45	(aa)	110
Tenn.	2,463	2,463	-	-
Tex.	1,673	1,673	-	-
Utah	99	218	37	37
Vt.	67	67	-	-
Va.	439	1,756	21	21
Wash.	- (bb)	-	263	263
W.Va.	190	190	370	370
Wisc.	257	257	3,795	3,795
Wyo.	-	-	-	-
Guam	134	134	550	550
P.R.	-	-	2,000	2,000
V.I.	6	6	838	1,289

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES

	Referred Cultures		Miscellaneous Cultures	
	Specimens	Exams	Specimens	Exams
Ala.	673	11,205	38	72
Alaska	*	*	1,200	1,200
Ariz.	41	123	899	1,957
Ark.	162	666	-	-
Cal.	6,310	*	647	*
Colo.	*	*	*	*
Conn.	748	773	185	241
Del.	-	-	-	-
D.C.	10	50	-	-
Fla.	5,155	10,310	1,664	2,858
Ga.	2,445	2,445	35	35
Hawaii	327	349	333	1,235
Ida.	-	1,006	-	846
Ill.	902	5,412	1,075	5,192
Ind.	773	773	-	-
Ia.	1,481	14,810	300	3,000
Kans.	1,453	1,453	1,200	1,200
Ky.	741	4,946	-	-
La.	250	750	4,872	4,872
Me.	379	1,340	377	377
Md.	2,379	2,379	-	-
Mass.	694	*	*	*
Mich.	2,347	4,897	851	1,150
Minn.	2,415	5,865	211	496
Miss.	(a)	(a)	360	360
Mo.	1,049	39,223	-	-
Mont.	409	509	67	121
Nebr.	396	3,868	-	-
Nev.	114	570	404	1,873
N.H.	-	-	-	-
N.J.	3,947	13,282	218	545
N.M.	674	674	107	107
N.Y.	-	-	-	-
N.C.	2,976	(cc)	3,155	18,665
N.D.	-	-	-	-
Ohio	2,711	40,665	14	140
Okla.	477	426	-	-
Ore.	894	2,192	1,026	1,150
Pa.	*	*	*	*
R.I.	267	801	5	5
S.C.	1,943	5,829	2,375	7,557
S.D.	504	2,569	432 (dd)	432
Tenn.	1,428	1,428	-	-
Tex.	5,609	174,696	452	16,293
Utah	430	753	-	-
Vt.	334	668	222	444
Va.	353	376	271	377
Wash.	1,142	24,641	-	-
W.Va.	150	150	133	266
Wisc.	1,913	47,825	-	-
Wyo.	-	-	-	-
Guam	5	83	401	1,986
P.R.	50	50	435	870
V.I.	-	-	214	306

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES (Continued)

	Organisms Isolated and Studied
Ala.	Acinetobacter calcoaceticus, Aeromonas species, Aeromonas hydrophila, Aeromonas shigelloides, Alkalescens-Dispar group, Alcaligenes faecalis, Alcaligenes odorans, Bacillus species, Bacillus cereus, Bacillus subtilis, Bacteroides species, Bacteroides corrodens, B. fragilis, B. incommunis, B. melaninogenicus, B. variabilis, Bifidobacterium species, Bifidobacterium eriksonii, Bordetella pertussis, Brucella abortus, Catenabacterium species, Catenabacterium filamentosum, Citrobacter species, Citrobacter freundii, Citrobacter diversus, Clostridium species, Clostridium bifermentans, C. capitovale, C. difficilis, C. perfringens, C. septicum, C. sordelli, C. sphenoides, C. sporogenes, C. subterminale, Corynebacterium species, Corynebacterium aquaticum, Corynebacterium belfanti, Corynebacterium equi, Corynebacterium pseudotuberculosis, Edwardsiella tarda, Enterobacter agglomerans, E. aerogenes, E. cloacae, E. hafniae, E. liquifaciens, Erysipelothrix insidiosa, Escherichia coli, Eubacterium species, Eubacterium limosum, Flavobacterium species, Flavobacterium meningosepticum, Fusobacterium species, Fusobacterium fusiforme, group Ib, IIf, IIIb, IVc, IVd, Vc, Haemophilus species, Haemophilus aphrophilus, H. influenzae, H. parainfluenzae, H. vaginalis, HB-1, HB-5, Klebsiella pneumoniae, Lactobacillus species, Listeria monocytogenes, Moraxella osloensis, Moraxella non-liquefaciens, Neisseria species, Neisseria catarrhalis, N. gonorrhoeae, N. lactamica, N. meningitidis, N. mucosa, N. sicca, N. subflava, Pasteurella haemolytica, Pasteurella multocida, Peptococcus, Peptostreptococcus, Propionibacterium species, Propionibacterium acnes, Propionibacterium granulosum, Proteus mirabilis, P. morganii, P. rettgeri, P. vulgaris, Providencia alcalifaciens, Providencia stuartii, Pseudomonas species, Pseudomonas aeruginosa, P. cepacia, P. diminuta, P. fluorescens, P. maltophilia, P. putida, P. putrefaciens, P. stutzeri, Salmonella typhi, Sarcina, Serratia species, Serratia marcescens, Shigella dysenteriae, type 1, Sphaerophorus species, Sphaerophorus necrophorus, Staphylococci, coagulase positive, coagulase negative, Streptococci alpha, beta (groups A and B), non-hemolytic, group D - enterococcus, microaerophilic, Veillonella alkalescens, Veillonella parvula, Vibrio species, Vibrio-anaerobic, Vibrio parahaemolyticus, Xanthomonas species, Yeast, Yersinia enterocolitica.
Conn.	Total of 749 isolations. Organisms identified included: Acinetobacter calcoaceticus, 26; Aeromonas hydrophila, 4; Aeromonas shigelloides, 3; Aeromonas species, 4; Alcaligenes odorans, 2; other Alcaligenes, 3; Bacillus species, 22; Bacteroides corrodens, 10; Bacteroides fragilis, 20; Bacteroides species, 6; Citrobacter diversus, 6; Citrobacter freundii, 4; Clostridium bifermentans, 3; C. butyricum, 6; C. capitovale, 2; C. innocuum, 2; C. perfringens, 25; C. septicum, 2; C. tertium, 3; other Clostridium species, 11; Corynebacterium species, 16; Eikenella corrodens, 2; Enterobacter aerogenes, 6; E. agglomerans, 22; E. cloacae, 8; E. hafniae, 7; Escherichia coli, 12; Flavobacterium species, 13; Gram negative rod (unclassified, 12 different groups), 28; Haemophilus influenzae (not typable), 8; type B, 5; H. parahaemolyticus, 4; H. parainfluenzae, 4; other Haemophilus, 5; Klebsiella ozaenae, 8; Klebsiella pneumoniae, 6; Klebsiella species, 6; Lactobacillus species, 9; Listeria monocytogenes, 3; Micrococcus species, 2; Moraxella non-liquifaciens, 4; Moraxella osloensis, 9; Moraxella species, 2; Neisseria gonorrhoeae, 11; N. meningitidis, 23; N. perflava, 3; N. sicca, 4; Neisseria species, 3; N. subflava, 3; Pasteurella multocida, 16; Pasteurella pneumotropica, 3; Peptostreptococcus species, 4; Propionibacterium acnes, 6; Proteus mirabilis, 4; Proteus morganii, 2; Pseudomonas aeruginosa, 11; P. cepacia, 2; P. fluorescens, 2; P. maltophilia, 11; P. putida, 3; P. putrefaciens, 5; other Pseudomonas, 39; P. stutzeri, 6; P. testosteroni, 2; Serratia marcescens, 4; Staphylococcus species, 8; Streptococcus, alpha hemolytic, 13; alpha hemolytic, Microaerophilic, 2; beta hemolytic, group A, 46; group B, 42; group C, 24; group D, 2; group G, 14; Streptococcus, non hemolytic, 4; Streptococcus pneumoniae, 3; other Strep., 7; Vibrio extorquens, 3. Mixed Cultures: Acinetobacter calcoaceticus and Pseudomonas maltophilia, 2; Acinetobacter calcoaceticus and Pseudomonas stutzeri, 2; Bacillus species and Pseudomonas species, 2; Bacillus species, Escherichia coli, and Staphylococcus species, 3; Bacillus species and coagulase negative Staphylococcus species, 2; Bacteroides fragilis and Bacteroides terebrans, 2; Bacteroides variabilis and coagulase negative Staphylococcus, 2; Bordetella bronchiseptica and E. coli, 2; Clostridium septicum and Eubacterium lentum, 2; Eikenella corrodens and beta hemolytic, group H, Streptococcus, 2; Enterobacter aerogenes and group G, beta hemolytic Strep., 2; Enterobacter agglomerans bio group 1 and beta hemolytic Strep., 2; Enterobacter agglomerans bio group 2 and Pseudomonas species, 2; E. coli (anaerogenic) and Strep. - non hemolytic, 2; Klebsiella pneumoniae and Enterobacter

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES (Continued)

	Organisms Isolated and Studied
	agglomerans, 2; Klebsiella species and Pseudomonas aeruginosa, 2; Micrococcus species and Neisseria subflava, 2; Mima polymorpha and Staphylococcus species (coagulase positive), 2; Neisseria perflava and Corynebacterium species, 2; Proteus morganii and Strep. (non-hemolytic) group D, 2; Proteus rettgeri and Pseudomonas aeruginosa, 2; Strep., (beta hemolytic) group A and Strep. pneumoniae, 2; Strep. (beta hemolytic) group D and Strep. bovis, 2.
Ga.	Escherichia coli, Bacteroides fragilis, Streptococcus (beta hemolytic, group B), Corynebacterium species (of 7 referred cultures for C. diphtheriae, 1 was positive).
Hawaii	Actinobacillus suis, Aeromonas hydrophila, A. shigelloides, Alcaligenes denitrificans, Bacteroides fragilis ssp fragilis, Bacteroides fragilis ssp thetaiotaomicron, Bordetella bronchiseptica, Citrobacter diversus, Clostridium innocuum, C. perfringens, C. ramosum, C. sordelli, Corynebacterium aquaticum, CDC group: IF-4, HB-1, HB-5; Enterobacter agglomerans, Flavobacterium meningosepticum, Fusobacterium nucleatum, Haemophilus aphrophila, H. influenzae, type b, type c; Herellea vaginicola, Mima polymorpha, Moraxella non-liquifaciens, M. phenylpyruvica, Neisseria lactamica, N. meningitidis, group C; Pasteurella multocida, Pseudomonas aeruginosa, Pseudomonas maltophilia, P. putrefaciens, P. stutzeri, Propionibacterium acnes, Vibrio alginolyticus, V. parahaemolyticus group II (Twedt). Sterility tests - 35 non-sterile.
Ida.	Staphylococci, 214; other organisms, 235.
Ill.	Aerobes (non-enteric): Achromobacter species, 3; Actinobacillus actinomycetemcomitans, 2; Aeromonas hydrophila, 4; Alcaligenes faecalis, 3; Bacillus cereus, 3; other Bacillus species, 22; Corynebacterium diphtheriae, 2; C. vaginale, 9; C. equi, 2; C. haemolyticum, 2; other Corynebacterium species, 24; Flavobacterium species, 15; Haemophilus aphrophilus, 6; H. influenzae, 17; type B, 5; H. parainfluenzae, 11; other Haemophilus species, 3; HB-1, 29; HB-5, 5; Herellea vaginicola, 25; Lactobacillus, 12; Listeria monocytogenes, 5; Mima polymorpha, 33; Mima polymorpha var. oxidans, 5; Moraxella non-liquefaciens, 21; other Moraxella species, 5; Neisseria gonorrhoeae, 76; N. meningitidis (groups B, C, XYZ, A, NT), 26; N. flavescens - catarrhalis, 7; other Neisseria, 2; Pasteurella multocida, 17; other Pasteurella, 4; Pseudomonas aeruginosa, 29; P. maltophilia, 24; P. stutzeri, 7; P. cepacia, 7; other Pseudomonas species, 45; Staphylococcus aureus, 11; Staphylococcus epidermidis, 17; Streptococcus alpha, 19; beta, 8; Lancefield A, 4; B, 26; C, 6; G, 8; E, 2; no group, 12; Streptococcus faecalis, 2; S. mitis, 3; S. pneumoniae, 2; S. species, 2; group II K type 1, 6. Enteric organisms: Enterobacter cloacae, 3; Klebsiella pneumoniae, 4; E. coli, 25; Citrobacter species, 2; Enterobacter agglomerans, 12; Proteus mirabilis, 10; Proteus morganii, 4; Proteus species, 3; Serratia marcescens, 4. Anaerobic organisms: Bacteroides fragilis, 12; B. fragilis ssp fragilis, 13; other Bacteroides species, 8; Clostridium perfringens, 28; C. bifermentans, 7; C. innocuum, 3; C. septicum, 3; other Clostridium species, 17; Propionibacterium acnes, 19; Bifidobacterium ericksonii, 4; Eubacterium species, 5; Peptococcus asaccharolyticus, 2; Peptococcus prevotii, 3; Peptostreptococcus species, 3. Aerobes (non-enteric): Bacillus cereus, 2; Corynebacterium species, 16; Herellea vaginicola, 5; Lactobacillus species, 2; Mima polymorpha, 4; Moraxella non-liquefaciens, 5; Moraxella species, 3; Neisseria gonorrhoeae, 569; Neisseria meningitidis (groups C, XYZ, NT), 9; Pseudomonas aeruginosa, 20; other Pseudomonas species, 25; Staphylococcus aureus, 189; Staphylococcus epidermidis, 106; Streptococcus alpha, 11; beta, 63; B, 1; Streptococcus pneumoniae, 7; Yeast, 11. Enteric organisms: Enterobacter - Klebsiella, 8; Enterobacter aerogenes, 3; Enterobacter cloacae, 6; Klebsiella pneumoniae, 13; Klebsiella species, 8; E. coli, 29; Citrobacter species, 2; Proteus mirabilis, 3; Proteus species, 14. Anaerobic organisms: Clostridium perfringens, 4; Propionibacterium acnes, 2; Peptococcus prevotii, 2; Peptostreptococcus species, 1.
Ind.	Includes 519 aerobic and 254 anaerobic cultures. Among the anaerobes were: Bacteroides fragilis, 41; other Bacteroides species, 5; Bifidobacterium infantis, 2; Clostridium perfringens, 98; other Clostridium species, 28; Eubacterium lentum, 3; other Eubacterium species, 2; Fusobacterium species, 4; Peptococcus prevotii, 15; other Peptococcus species, 10; Peptostreptococcus anaerobius, 5; Peptostreptococcus intermedius, 3; Propionibacterium acnes, 26; other Propion-

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES (Continued)

	Organisms Isolated and Studied
	ibacterium species, 5. Isolations from aerobic cultures included: Aeromonas hydrophila, 6; Actinobacillus actinomycetem-comitans, 2; Alcaligenes faecalis, 5; Bacillus species, 15; Bacillus subtilis, 2; Citrobacter species, 3; Corynebacterium vaginale, 4; Corynebacterium species, 18; Enterobacter agglomerans, 13; other Enterobacter species, 4; Enterococci, 4; Escherichia coli, 20; Flavobacterium species, 4; groups EF4, etc., 19; Haemophilus influenzae, 6; Haemophilus parainfluenzae, 4; Acinetobacter calcoaceticus, 11; Klebsiella species, 4; Lactobacillus species, 6; Listeria monocytogenes, 2; Micrococcus species, 3; Mima polymorpha, 20; Mima polymorpha var. oxidans, 2; Moraxella non-liquefaciens, 14; Moraxella osloensis, 6; Moraxella phenylpyruvica, 2; Neisseria gonorrhoeae, 84; N. lactamica, 4; N. meningitidis, 16; N. sicca, 5; N. perflava, 2; Pasteurella multocida, 22; Pasteurella species, 2; Proteus species, 2; Pseudomonas aeruginosa, 14; P. aeruginosa (brn. pigment), 8; P. fluorescens, 5; P. denitrificans, 4; P. maltophilia, 11; P. putida, 9; other Pseudomonas species, 9; Serratia marcescens, 2; Staphylococcus aureus, 3; Staph. epidermidis, 27; Streptococcus - alpha, 8; Strep. - beta, group A, 2; group B, 18; group C, 3; group D, 5; group F, 3; group G, 2; Strep. - Gamma, 4; Strep. pneumoniae, 3.
Ia.	The 1,018 isolates made by the Bacteriology Reference Laboratory included the following organisms of interest: Actinomyces, 3; Aeromonas hydrophila, 4; Alcaligenes, 8; Bacteroides fragilis, 27; Clostridium perfringens, 63; Corynebacterium vaginale, 4; Enterobacter agglomerans, 8; Flavobacterium, 8; Fusobacterium, 8; Haemophilus influenzae, 19; Eikenella corrodens, 7; Herellea vaginicola, 49; Klebsiella pneumoniae, 19; Mima polymorpha, 37; Moraxella, 11; Neisseria gonorrhoeae, 89; Neisseria meningitidis, 17; Pasteurella multocida, 21; Peptostreptococcus, 6; Propionibacterium acnes, 17; Pseudomonas aeruginosa, 23; Pseudomonas maltophilia, 20; Streptococcus, beta, 14; Salmonella, 229; Shigella, 77; Arizona, 2; E. coli (path.), 6; Citrobacter diversus, 10; Clostridium butyricum, 3; C. paraputrificum, 4; C. sordelli, 3; C. tetani, 4; other Clostridium, 7; Comamonas terrigena, 7; Corynebacterium haemolyticum, 3; other Corynebacterium, 3; Haemophilus aegyptius, 7; Haemophilus parainfluenzae, 7; Mycobacterium rhodochrous, 3; Peptococcus, 3; Pseudomonas diminuta-like, 3; P. denitrificans, 3; P. fluorescens, 3; Pseudomonas species, 14; Serratia marcescens, 14.
Kans.	Included in the total of 1,340 were: Aeromonas species, 4; Alcaligenes species, 5; Alkalescens-Dispar group, 8; Actinomyces, 3; Bifidobacterium, 2; Bacteroides species, 4; Bacteroides fragilis and incommunis, 23; B. variabilis, 3; Catenabacterium, 5; Clostridium perfringens, 36; C. sporogenes, 2; C. innocuum, 2; Corynebacterium, 3; Fusobacterium, 3; Peptostreptococcus, 7; Propionibacterium, 17; Veillonella, 2; Sarcina species, 5; Coliform species, 74; Corynebacterium species, 50; Diplococcus pneumoniae, 2; Enterobacter species, 36; Haemophilus influenzae, 14; H. parahaemolyticus, 2; H. aphrophilus, 3; H. vaginalis, 3; H. parainfluenzae, 2; Acinetobacter calcoaceticus, 20; Klebsiella species, 32; Lactobacillus, 21; Listeria monocytogenes, 2; Mimae species, 17; Moraxella species, 17; Neisseria gonorrhoeae, 29; N. meningitidis, 62; N. sicca, 3; other Neisseria species, 7; N. lactamica, 10; Pasteurella multocida, 9; Pasteurella haemolytica, 2; other Pasteurella, 2; Providencia species, 4; Proteus species, 41; Pseudomonas species, 58; Salmonella species, 3; Salmonella typhimurium, 2; Serratia species, 12; Spore formers, aerobic, 38; Staphylococcus species, 100; Streptococcus, alpha, 51; beta, 266; gamma, 19; other, 5; Yeast species, 17; HB - 1, 10; IIk, 9; IVd, 9; IVe, 3; Vd, 4; DF - 1, 5; IVf, 2; TM - 1, 6; IIIa, 2; IIf, 2; Enterococcus, 61; Gaffkya tetragena, 5; Flavobacterium species, 8; Bacillus species, 6; Citrobacter, 16; Comamonas terrigena, 6; Coliform species, 6; Corynebacterium species, 6; Enterobacter species, 6; Klebsiella species, 5; Lactobacillus species, 3; Neisseria species, 8; Proteus species, 10; Pseudomonas species, 7; Staphylococcus species, 44; Streptococcus, alpha, 13; beta, 2; gamma, 4; Yeast species, 7; Enterococcus, 8.
Ky.	Mycobacterium tuberculosis, other Mycobacteria, Enterics, Pseudomonas species, Bacteroides.

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES (Continued)

	Organisms Isolated and Studied
Md.	Laboratory received 743 referred cultures for Mycobacterium with 557 positives for M. tuberculosis, and 164 positives for Atypical Mycobacterium. Received 1,636 referred Enteric cultures with the following positives: Salmonella, 841; Shigella, 535; Enteropathogenic E. coli, 61; other pathogens, 2.
Mass.	Blood: Salmonella, 10 (3 serotypes); Streptococcus, group A, 8; group B, 10; group G, 2; Streptococcus mitis, 8; Strep. pneumoniae (types 3, 4, 6, 9, 14, 18, 23, 33), 15; Strep. salivarius, 6; other Strep., 5. Cerebrospinal Fluid: Bacillus species, 3; Bordetella bronchiseptica, 3; Haemophilus influenzae, type b, 11; Neisseria meningitidis, 17; Strep., group B, 6; Strep. salivarius, 4. Urines, Abscesses, Wounds, etc.: Acinetobacter calcoaceticus, 11; Bacillus species, 12; Bacteroides fragilis, 8; Citrobacter diversus, 2; Citrobacter freundii, 3; Clostridium perfringens, 39; other Clostridium, 3; Corynebacterium species, 13; Eikenella corrodens, 4; Enterobacter agglomerans, 12; other Enterobacter, 3; E. coli, 23; group IV (CDC), 4; Haemophilus influenzae, 10; Klebsiella pneumoniae, 7; Mima polymorpha, 2; Moraxella non-liquifaciens, 4; other Moraxella, 4; Neisseria catarrhalis, 2; N. lactamica, 2; N. meningitidis, 14; other Neisseria, 5; Pasteurella multocida, 19; other Pasteurella, 3; Peptostreptococcus, 8; Propionibacterium acnes, 3; Proteus mirabilis, 2; other Proteus, 2; Pseudomonas aeruginosa, 5; P. cepacia, 3; P. maltophilia, 3; other Pseudomonas, 7; Salmonella enteritidis (13 types), 22; Sarcina species, 4; Staphylococcus, 15; Strep., alpha hemolytic, 10; group A, 16; group B, 54; group C, 11; F, 3; G, 16; Strep. pneumoniae, (4 types), 4; Veillonella alkalescens, 4; Nosocomial: Staphylococcus, 297; S. enteritidis (8 serotypes, non-human sources), 10.
Miss.	Turtles cultured for Salmonella - 120 positive, group G.
Mo.	(Total of 1,311 positives). Gram negative rods: Acinetobacter calcoaceticus, 40; Aeromonas species, 2; Alkalescens-Dispar group, 11; Alcaligenes denitrificans, 4; Bacteroides fragilis, 29; Bacteroides - group F2, 3; CDC IIIA, 2; IVC, 6; IVD, 2; Citrobacter diversus, 2; Citrobacter freundii, 37; Citrobacter group, 6; Comamonas terrigena, 23; Eikenella corrodens, 14; Enterobacter aerogenes, 5; E. agglomerans, 24; E. cloacae, 12; E. hafniae, 7; E. liquefaciens, 3; Enteropathogenic E. coli, 8; E. coli, 93; Flavobacterium species, 5; Fusobacterium nucleatum, 2; Haemophilus aphrophilus, 8; H. influenzae type A, 3; type B, 35; type C, 3; type E, 2; H. parainfluenzae, 15; other Haemophilus species, 2; Klebsiella ozaenae, 5; Klebsiella pneumoniae, 24; Moraxella non-liquefaciens, 3; Moraxella osloensis, 6; Pasteurella multocida, 11; other Pasteurella species, 2; Proteus mirabilis, 15; P. morganii, 11; P. rettgeri, 2; other Proteus species, 3; Providencia stuartii, 3; Pseudomonas aeruginosa, 8; P. cepacia, 2; P. maltophilia, 14; P. stutzeri, 9; Pseudomonas species, 26; Salmonella enteritidis, 247 (33 different serotypes); Salmonella typhi, 10; Serratia marcescens, 5; Shigella flexneri - type 2, 4; type 3, 2; type 4a, 2; Shigella sonnei, 83; Yersinia entercolitica, 3; Gram positive cocci: Micrococcus species, 5; Peptococcus asaccharolyticus, 2; Peptostreptococcus species, 12; Staphylococcus aureus, 172; Staphylococcus epidermidis, 37; Streptococcus group A, 8; group B, 27; Streptococcus pneumoniae, 3; other Streptococcus species, 8. Gram positive rods: Bacillus cereus, 5; Bacillus circulans, 2; Bacillus species, 26; Catenabacterium filamentosum, 2; Clostridium perfringens, 13; other Clostridium species, 6; Clostridium sporogenes, 3; Corynebacterium species, 27; Listeria monocytogenes, 2; Propionibacterium acnes, 10.
Mont.	Aeromonas hydrophila, 7; Alcaligenes faecalis, 3; Bacillus cereus, 3; Bacillus species, 23; Bacteroides fragilis, 16; B. melaninogenicus, 4; B. fragilis ssp thetaiotaomicron, 4; Bacteroides species, 4; Citrobacter freundii, 11; Clostridium bifermentans, 5; C. perfringens, 14; C. sordelli, 2; Clostridium species, 2; Corynebacterium species, 34; Haemophilus vaginalis, 4; Enterobacter aerogenes, 2; E. agglomerans, 7; E. cloacae, 21; E. hafniae, 6; Enterococci (not further identified), 10; E. coli, 87; E. coli (Alkalescens-Dispar), 3; Eubacterium lentum, 2; Flavobacterium species, 4; Fusobacterium nucleatum, 2; group TM - 1, 2; group IIk, 2; group Va, 2; Haemophilus influenzae, type A, 2; type B, 11, no type or not typed, 21; H. parahaemolyticus, 6; H. parainfluenzae, 15; Herellea vaginicola, 19; Klebsiella ozaenae, 4; Klebsiella pneumoniae, 31;

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES (Continued)

	Organisms Isolated and Studied
	Lactobacillus species, 8; Micrococcus species, 13; Mima polymorpha, 9; Mima polymorpha, var. oxidans, 2; Moraxella non-liquefaciens, 8; Moraxella osloensis, 2; Neisseria catarrhalis, 3; N. gonorrhoeae, 3; group B, 2; group C, 4; N. perflava, 2; N. sicca, 3; Pasteurella multocida, 4; Peptostreptococcus CDC group 1, 3; group 2, 5; group 3, 4; Peptostreptococcus species, 12; Propionibacterium acnes, 8; Proteus mirabilis, 14; P. morganii, 5; P. rettgeri, 3, P. vulgaris, 4; Providencia stuartii, 2; Pseudomonas aeruginosa, 37; P. alcaligenes, 3; P. cepacia, 2; P. maltophilia, 17; P. stutzeri, 3; group Ic, 2; Pseudomonas species, 11; Serratia marcescens ssp marcescens, 2; Staphylococcus aureus, 68; Staphylococcus epidermidis, 43; Streptococcus faecalis, 4; S. faecium, 2; S. pneumoniae, 9; group A beta hemolytic, 18; group B beta hemolytic, 10; group C, beta hemolytic, 4; group D, 14; group F beta hemolytic, 4; no group or not grouped, 3; Streptococcus, alpha, 37.
Nebr.	Referred cultures frequently encountered: Salmonella, miscellaneous Gram negative bacilli, Streptococci (for grouping).
Nev.	Enteric organisms, Haemophilus, Staphylococcus, Proteus, Pseudomonas.
N.J.	Bacteroides fragilis, Clostridium perfringens, Acinetobacter calcoaceticus (Mima and Herellea), Bacillus species, Neisseria meningitidis (all groups), Moraxella osloensis, Pseudomonas aeruginosa, Haemophilus influenzae type b, Mycobacterium gordonae, M. avium - M. intracellulare complex, Salmonella species, Klebsiella pneumoniae, Citrobacter freundii, beta hemolytic Streptococcus (not group A), group IIb, (Flavobacterium species), Pasteurella multocida, Alcaligenes faecalis, Pseudomonas cepacia, M. tuberculosis, Shigella sonnei, Enteropathogenic E. coli, Proteus morganii, Proteus mirabilis.
N.C.	Isolations included 162 anaerobic and 1,745 aerobic isolations. Among the anaerobes were: Bacteroides fragilis, 30; other Bacteroides species, 8; Clostridium bifermentans, 3; C. perfringens, 37; C. sordelli, 4; C. sphenoides, 13; other Clostridium species, 11; Eubacterium lentum, 3; Fusobacterium necrophorum, 4; Lactobacillus species, 3; Peptostreptococcus species, 13; Propionibacterium acnes, 18; Propionibacterium granulosum, 3; Propionibacterium species, 6. The aerobic isolations included: Acinetobacter calcoaceticus, 35; Acinetobacter species, 43; Aeromonas hydrophila, 13; Alcaligenes faecalis, 10; Alcaligenes odorans, 11; Bacillus species, 105; Citrobacter diversus, 28; Citrobacter freundii, 14; Citrobacter species, 14; Coliform group, 8; Corynebacterium species, 46; Enterobacter aerogenes, 6; E. agglomerans, 50; E. cloacae, 21; E. hafniae, 7; Enterobacter species, 5; Flavobacterium species, 18; Haemophilus aphrophilus, 4; Haemophilus influenzae, 33; other Haemophilus species, 6; Klebsiella ozaenae, 8; Klebsiella pneumoniae, 43; Listeria monocytogenes, 6; Mima polymorpha, 33; Moraxella non-liquefaciens, 7; Moraxella osloensis, 12; Neisseria gonorrhoeae, 33; Neisseria meningitidis, 32; other Neisseria species, 11; Pasteurella multocida, 17; Proteus mirabilis, 27; P. morganii, 30; P. rettgeri, 15; P. vulgaris, 5; Proteus species, 21; Providencia stuartii, 10; Pseudomonas acidovorans, 11; P. aeruginosa, 101; P. alcaligenes, 9; P. cepacia, 48; P. denitrificans, 4; P. fluorescens, 19; P. maltophilia, 65; P. putida, 33; P. testosteroni, 9; P. vesiculare, 4; Pseudomonas species, 5; Sarcina, 3; Serratia marcescens, 13; Serratia species, 22; Staphylococcus - coagulase negative, 196; Streptococcus, not A, 55; Streptococcus, alpha, 71; Streptococcus, non-hemolytic, 18; Streptococcus enterococcus, 49; Streptococcus pneumoniae, 21; Yeast-like organisms, 78. Positives for Streptococcus, group A, Staphylococcus (coagulase positive), Salmonella, Shigella, and E. coli from Miscellaneous Bacteriology examinations were included with Throat and Enteric culture positives. HB-1, 14; Ib-1, 8; III-b, 12; IV-f, 8; Ve-2, 10.
Ohio	The total of 1,997 aerobic isolations included: Acinetobacter calcoaceticus, 8; Actinobacillus species, 2; Aeromonas hydrophila, 2; Alkalescens-Dispar, 2; Arizona species, 18; Arizona hinshawii, 10; Bacillus species, 22; Citrobacter species, 42; Citrobacter freundii, 17; Coliform species, 16; Corynebacterium species, 14; Enterobacter species, 45; Enterobacter aerogenes, 6; Enterobacter agglomerans, 20; Enterobacter cloacae, 14; Enterococcus species, 2; Escherichia coli species, 290; E. coli 026: B6, 9; 055: B5, 10; 0111: B4, 17; 0125:

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES (Continued)

	Organisms Isolated and Studied
	B15, 4; 0126: B16, 8; 0127: B8, 4; 0128: B12, 5; HB-1 species, 6; HG-1 species, 2; Haemophilus aphrophilus, 4; Haemophilus influenzae, 4; type b, 8; Haemophilus species, 2; Herellea vaginicola, 7; Klebsiella species, 18; Klebsiella ozaenae, 2; Klebsiella pneumoniae, 4; Lactobacillus species, 5; Listeria monocytogenes, 5; Micrococcus species, 3; Mima polymorpha, 9; Moraxella species, 6; Moraxella non-liquifaciens, 6; Neisseria species, 5; Neisseria catarrhalis, 5; Neisseria meningitidis, 4; group b, 2; group c, 9; Pasteurella multocida, 21; Proteus species, 19; Proteus mirabilis, 2; P. morganii, 3; P. rettgeri, 6; Providencia species, 15; Pseudomonas species, 74; Pseudomonas aeruginosa, 14; Pseudomonas maltophilia, 9; other Pseudomonas, 3; Salmonella, 884 (47 different serotypes); Staphylococcus epidermidis, 2; Staphylococcus species, 3; Serratia marcescens, 10; Shigella boydii, 2; Shigella flexneri 2a, 5; Y variant, 2; Shigella sonnei I, 34; II, 159; Shigella species, 3; Streptococcus species, 11; Streptococcus pneumoniae, 2; TM-1 group, 2. The 312 anaerobic cultures included: Actinomyces, 3; Bacillus species, 4; Bacteroides fragilis, 62; Bifidobacterium species, 4; Clostridium butyricum, 14; C. paraputrificum, 2; C. perfringens, 142; C. septicum, 3; other Clostridium, 12; Eubacterium species, 7; Eubacterium lentum, 2; Fusobacterium necrogenes, 2; other Fusobacterium, 4; Lactobacillus, 7; Peptococcus species, 3; Peptococcus asaccharolyticus, 6; Peptococcus prevotii, 2; Peptostreptococcus species, 2; Peptostreptococcus anaerobius, 2; Peptostreptococcus intermedius, 2; Propionibacterium acnes, 19; Propionibacterium granulosum, 2; Veillonella parvula, 2. From miscellaneous cultures: Leptospira, 2; Mycoplasma, 7; other, 5.
R.I.	Cultures included in this table are those which do not fit into any of the assigned categories, such as enteric, Streptococcus, Neisseria, etc. They differ from other cultures also in the multiplicity of their sources, coming from such sources as body tissues, blood, spinal fluid and other body fluids, wounds, eyes, etc. The Laboratory received 267 miscellaneous cultures as referrals from hospitals, and an additional 691 from various other sources. Some of the organisms reported by the Diagnostic Microbiology Section during the year were: Anaerobic: Bacteroides fragilis, 5; Clostridium perfringens, 5; Clostridium tertium, 2; other Clostridium, 3. Aerobic isolations included: Acinetobacter species, 15; Pseudomonas putida, 3; Pseudomonas maltophilia, 4; other Pseudomonas, 2; Haemophilus parahaemolyticus, 3; Pasteurella multocida, 3; Aeromonas hydrophila, 8; Enterobacter hafniae, 7; Haemophilus, 13.
S.D.	Significant organisms isolated include: Bacteroides fragilis, Mima polymorpha, Pasteurella multocida, Herellea vaginicola, Staphylococcus aureus, Haemophilus species, Haemophilus influenzae, beta hemolytic Streptococcus group A, Pseudomonas species, Pseudomonas aeruginosa, Alcaligenes faecalis, Serratia species, Pneumococcus, Citrobacter, Streptococcus faecalis, Clostridium perfringens, Staphylococcus epidermidis, alpha Streptococcus, Haemophilus haemolyticus, Klebsiella species, gamma Streptococcus, Micrococcus species, Enterobacter hafniae, Diphtheroids, Providencia species, Bifidobacterium species, Proteus morganii, E. coli, Enterobacter species, Enterobacter agglomerans, Pseudomonas putrefaciens, Peptostreptococcus, Ramibacterium alactolyticum, Neisseria meningitidis.
Tex.	Anaerobes, Mycobacteria, Salmonella, Shigella, Streptococcus.
Va.	Mima polymorpha, Herellea vaginicola, Streptococcus - group D, Escherichia species, Staphylococcus aureus - coagulase positive, Bacillus species, Corynebacterium pseudodiphtheriticum, Alcaligenes faecalis, Propionibacterium freudenreichii, Propionibacterium species, Clostridium perfringens (toxogenic to mice), C. perfringens (non-toxogenic to mice), Bacillus sphaericus, Klebsiella species, Bacteroides fragilis, Clostridium cochlearium, beta hemolytic Strep. group A, group B, group C; alpha Strep., Rothia dentocariosus, Proteus species, Bacteroides species, Bacteroides oralis, Streptococcus faecalis, Enterobacter agglomerans, Bacillus licheniformis, Moraxella species, Pseudomonas stutzeri, Clostridium bifermentans, Staphylococcus epidermidis, Catenabacterium species, Strep. pneumoniae, type #1, #2 and #8; Neisseria catarrhalis, N. meningitidis group B, Peptostreptococcus species, Peptostreptococcus magnus, Proteus mirabilis, Propionibacterium acnes, Pseudomonas maltophilia, Serratia species, Flavobacterium species, Flavobacterium, group IIE, group IIB, atypical Pseudomonas aeruginosa, Veillonella species, Haemophilus parainfluenzae, Micrococcus species, Neisseria

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES (Continued)

	Organisms Isolated and Studied
	lactamica, Enterobacter cloacae, Actinobacillus, H. influenzae group E, Citrobacter species, Listeria monocytogenes, Enterobacter agglomerans, Bacteroides corrodens, CDC group IIK, Proteus rettgeri, Klebsiella liquefaciens, Clostridium paraputrificum, Fusobacterium species, Eubacterium lentum, Providencia stuartii, Corynebacterium striatum, group E Strep., Achromobacter species; Actinomyces israeli, Bordetella bronchiseptica, Neisseria catarrhalis, N. sicca, Catenabacterium species, Moraxella osloensis, Comamonas terrigena, Enterobacter cloacae, Bacillus cereus, Actinobacter species, Escherichia species, Bacillus subtilis, beta hemolytic Streptococci - group B, Bacteroides fragilis, Klebsiella species, Peptococcus species, Escherichia species, Klebsiella pneumoniae, Alcaligenes faecalis, Proteus species, Neisseria meningitidis group B, Propionibacterium acnes, Propionibacterium granulosum, Bacillus species, Clostridium paraputrificum, Staph. epidermidis and alpha Strep., beta hemolytic Strep. group A.
Wash.	Most numerous isolations included the following aerobes: Actinobacillus actinomycetem-comitans, 4; Aeromonas species, 3; Alkalescens-Dispar group, 3; Bacillus cereus, 8; Bacillus species, 17; Citrobacter diversus, 7; Citrobacter freundii, 6; Comamonas terrigena, 2; Corynebacterium species, not known pathogens, 30; Corynebacterium species, 9; Haemophilus vaginalis, 6; Enterobacter aerogenes, 4; Enterobacter agglomerans, 5; Enterobacter hafniae, 3; E. coli, atypical, 3; E. coli, 29; Escherichia, 4; E. coli, anaerogenic, 2; Flavobacterium, group IIf, 2; group IIf (CDC designation), 2; group IIk, type 1 (CDC designation), 4; group EF-4 (CDC), 2; group Va (CDC), 4; group Ve (CDC), 2; Haemophilus influenzae, 13; Herellea vaginicola, 17; Haemophilus aphrophilus, 3; H. parainfluenzae, 6; non typable, 4; type b, 7; H. parahaemolyticus, 2; H. influenzae, non agglutinable, 2; HB-1, 6; Klebsiella ozaenae, 7; Klebsiella, 10; Klebsiella pneumoniae, 8; Lactobacillus species, 5; Listeria monocytogenes, 4b, 2; Micrococcus, 3; Mima polymorpha, 11; Moraxella osloensis, 11; Neisseria meningitidis group A, 3; group C, 13; group B, 6; N. catarrhalis, 5; N. gonorrhoeae, 6; N. meningitidis, group Y, 3; N. sicca, 8; N. lactamica, 6; N. meningitidis, ungroupable, 10; Neisseria species, 2; N. perflava, 3; Pasteurella multocida, 15; Proteus mirabilis, 4; Proteus morganii, 6; Pseudomonas cepacia, 2; P. aeruginosa, 15; P. fluorescens, 2; P. maltophilia, 8; P. putida, 11; Pseudomonas species, 2; P. stutzeri, 3; Providencia stuartii, 3; Proteus rettgeri, 2; Serratia, 7; Serratia marcescens, 4; Salmonella, 3; Staphylococcus aureus, 228; Staphylococcus epidermidis, 18; Staphylococcus aureus, coagulase positive, 2; Streptococcus, beta hemolytic group A, 5; beta hemolytic, not group A nor D, 7; group D, 4; group D (Enterococcus), 3; alpha hemolytic, 4; Streptococcus viridans, 20; Streptococcus, gamma, 2; beta hemolytic, group B, type Ic, 2; Streptococcus pneumoniae, 2; Yeast, 3; Yersinia enterocolitica, 2. Isolations of anaerobes included: Bacteroides fragilis, 17; Bacteroides melaninogenicus, 2; Clostridium perfringens, 21; C. sporogenes, 2; C. innocuum, 2; C. tertium, 2; C. paraputrificum, 2; Eubacterium limosum, 2; Peptostreptococcus, 6; Propionibacterium acnes, 23; Propionibacterium species, 4.
W.Va.	Arizona hinshawii, Bacteroides species, Citrobacter diversus, Citrobacter freundii, Citrobacter group, Eikenella corrodens, Enterobacter hafniae, Flavobacterium species, group IIIa, group IV, Klebsiella ozaenae, Klebsiella rhinoscleromatis, Pasteurella multocida, Providencia stuartii, Pseudomonas fluorescens, P. maltophilia, P. stutzeri, Shigella sonnei, Actinomyces odontolyticus, Corynebacterium species, Corynebacterium ulcerans, Clostridium perfringens, Clostridium sordelli, Clostridium species, Listeria monocytogenes, Mycobacterium IV, Propionibacterium freudenreichii, Acinetobacter calcoaceticus, Moraxella kingii, Moraxella liquifaciens, Moraxella osloensis, Moraxella phenylpyruvica, Neisseria flavescens, Neisseria meningitidis C, beta hemolytic Strep., group B, group G; Micrococcus species, Strep. pneumoniae.
Wisc.	Referral cultures: Neisseria gonorrhoeae, Neisseria meningitidis. Organisms most often studied in decreasing order of frequency: Bacteroides fragilis, Clostridium perfringens, Escherichia coli, Pasteurella multocida, Clostridium bifermentans, Pseudomonas maltophilia, Corynebacterium species, Enterobacter agglomerans, Pseudomonas aeruginosa, Propionibacterium acnes.

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY: REFERRED CULTURES AND MISCELLANEOUS CULTURES (Continued)

	Organisms Isolated and Studied
Guam	Lactobacilli, Acinetobacter calcoaceticus, Enterobacter hafniae, Pseudomonas denitrificans, Candida parapsilosis, and unidentified coccoid and fat rods from hip aspiration.
P.R.	Pseudomonas, Staphylococcus aureus, Enterobacter, Alcaligenes, Monilia, Proteus. From referred cultures: Salmonella, Shigella, Strep., diphtheroids.
V.I.	Proteus species; Pseudomonas species; Staphylococcus epidermidis.

TABLES 2-1 - 2-15. FOOTNOTES

(a) Included with "Wounds, Lesions and Body Fluids", Table 2-9.

(b) The specimens figure represents only specimens received and examined by the Streptococcus - Staphylococcus Unit. The positives figures also include identifications made by the Miscellaneous Bacteriology Unit.

(c) Includes lesion cultures also, about 85%.

(d) Positives include, in addition to those shown, 21 pertussis and parapertussis.

(e) Not restricted to beta hemolytic Group A.

(f) Other Strep, 94.

(g) 20 positive Vincent's from genital smears.

(h) Smears submitted for N. gonorrhoeae.

(i) Represents total. Not tabulated separately.

(j) Includes identifications made by Miscellaneous Bacteriology Unit.

(k) Does not include cultures referred for identification or typing.

(l) Referred to CDC.

(m) Included in Enteric Culture totals, Table 2-4.

(n) In addition to the Salmonella, there were 5 other exams.

(o) Positives not broken down by type.

(p) Figures included in Miscellaneous Bacteriology, Table 2-15.

(q) Staphylococcus included with "Other".

(r) Total specimens and exams from Wounds, Lesions, and Body Fluids shown under "Staphylococcus".

(s) Enteric only.

(t) Includes 8 positives not shown in breakdown.

(u) Included with N. gonorrhoeae cultures, Table 2-13.

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

(w) Does not include 48 specimens reported unsatisfactory.

(x) Number of cultures received for N. gonorrhoeae has only been kept separately from all specimens received for the six-month period 1/1/73 - 6/30/73. These figures were: 202 specimens, 217 examinations, and 33 positives. The rest of the totals reported represent N. gonorrhoeae slides.

(y) Does not include 35 specimens reported unsatisfactory.

(z) Included in the Mycobacterium totals.

(aa) Counted under another category.

(bb) Sent out.

(cc) Number of examinations and positives included with totals in each specific category.

(dd) Sterility packs.

TABLE 2-16. MYCOLOGY CULTURES

	Specimens	Exams	Positives: Dermatophytes			
			Microsporum	Trichophyton	Sporotrichum	Others
Ala.	1,966	18,828	2	14	3	13
Alaska	197	197	90 (a)	(a)	(a)	(a)
Ariz.	2,250	4,483	40	-	-	-
Ark.	1,775	7,237	-	18	1	-
Cal.	74	*	-	-	-	1
Colo.	*	*	*	*	*	*
Conn.	1,306	3,038	4	98	2	87
Del.	-	-	-	-	-	-
D.C.	5	5	3	-	-	-
Fla.	3,759	4,687	79	76	4	6
Ga.	980	977	38	136	-	28
Hawaii	434	750	22	29	1	18
Ida.	497	634	(b)	(b)	(b)	(b)
Ill.	617	2,882 (c)	7	151	1	84
Ind.	1,003	1,003	6	185	3	277
Ia.	155	368	1	10	-	2
Kans.	537	537	10	8	3	6
Ky.	39	78	1	1	-	-
La.	1,121	1,121	9	27	1	198
Me.	360	802	-	5	-	-
Md.	2,236	2,277	21	38	1	3
Mass.	190	*	1	11	-	2
Mich.	2,509	9,028	22	165	-	251
Minn.	2,754	6,248	4	25	2	685 (d)
Miss.	1,762	1,762	4	21	-	529
Mo.	139	2,629	1	5	1	10
Mont.	146	146	-	15	-	-
Nebr.	32	142	7	-	-	-
Nev.	36	303	-	-	-	1
N.H.	13	26	3	-	-	-
N.J.	45	113	-	3	-	-
N.M.	152	152	*	*	*	*
N.Y.	2,898	2,898	1,619 (a)	(a)	(a)	(a)
N.C.	944	1,871	4	14	-	1
N.D.	629	1,258	-	1	-	-
Ohio	120	609 (c)	2	9	1	-
Okla.	277	273 (e)	-	16	1	69
Ore.	509	1,526	20	22	1	8
Pa.	*	*	*	*	*	*
R.I.	8	16	2	2	-	4
S.C.	1,596	16,119	2	8	1	22
S.D.	-	-	-	-	-	-
Tenn.	1,896	1,896	30	15	-	-
Tex.	355	3,550	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	113	226	1	1	-	-
Va.	422	1,084	1	-	-	3
Wash.	163	709	7	17	-	3
W.Va.	409	2,000	-	1	-	1
Wisc.	2,665	2,665	5	105	1	32
Wyo.	-	-	-	-	-	-
Guam	15	56	-	-	-	-
P.R.	125	263	2	1	-	20 (f)
V.I.	261	518	-	-	-	-

TABLE 2-16. MYCOLOGY CULTURES
(Continued)

	Positives: Systemic Fungi				
	Histoplasma	Cryptococcus	Blastomyces	Coccidioides	Other
Ala.	10	15	6	-	61
Alaska	(a)	(a)	(a)	(a)	(a)
Ariz.	-	-	-	94	-
Ark.	13	3	10	8	46 (g)
Cal.	-	-	-	4	-
Colo.	*	*	*	*	*
Conn.	-	3	-	-	416
Del.	-	-	-	-	-
D.C.	-	-	-	-	-
Fla.	-	5	-	3	704 (h)
Ga.	-	2	1	-	61
Hawaii	-	-	-	-	56
Ida.	-	-	-	-	1
Ill.	5	2	3	1	162
Ind.	9	5	-	1	356
Ia.	-	1	1	3	6
Kans.	2	3	1	-	131
Ky.	-	3	1	-	-
La.	5	1	1	-	146
Me.	-	-	-	-	200
Md.	3	7	-	-	-
Mass.	1	5	-	-	46
Mich.	-	3	1	2	283
Minn.	-	7	4	6	(d)
Miss.	-	-	-	-	-
Mo.	-	4	-	-	98
Mont.	-	-	-	-	2
Nebr.	-	-	-	-	11
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	-	1	-	-	22
N.M.	*	*	*	*	*
N.Y.	4,769 (i)	1,329	(i)	924	621
N.C.	-	2	-	-	282 (j)
N.D.	-	-	-	-	341
Ohio	2	6	-	-	-
Okla.	1	3	1	1	-
Ore.	-	-	-	4	15
Pa.	*	*	*	*	*
R.I.	-	-	-	-	-
S.C.	2	2	6	-	259
S.D.	-	-	-	-	-
Tenn.	28	7	1	-	82
Tex.	1	3	-	-	18
Utah	-	-	-	-	-
Vt.	-	-	-	-	-
Va.	-	-	-	-	67
Wash.	-	4	2	2	42
W.Va.	-	2	-	1	2
Wisc.	3	6	9	9	24
Wyo.	-	-	-	-	-
Guam	-	-	-	-	-
P.R.	-	-	-	-	-
V.I.	-	-	-	-	89 (f)

TABLE 2-17. MYCOLOGY: REFERRED FOR IDENTIFICATION

	Specimens	Exams
Ala.	238	1,904
Alaska	*	*
Ariz.	-	-
Ark.	46	234
Cal.	638	*
Colo.	*	*
Conn.	202	(e)
Del.	-	-
D.C.	-	-
Fla.	(e)	(e)
Ga.	575	575
Hawaii	125	125
Ida.	64	64
Ill.	275	1,100
Ind.	502	502
Ia.	157	628
Kans.	215	215
Ky.	137	535
La.	30	30
Me.	-	-
Md.	881	881
Mass.	(e)	*
Mich.	312	599
Minn.	- (k)	-
Miss.	(e)	(e)
Mo.	(e)	(e)
Mont.	-	-
Nebr.	6	48
Nev.	132	660
N.H.	13	13
N.J.	180	450
N.M.	125	125
N.Y.	*	1,204
N.C.	417	(1)
N.D.	-	-
Ohio	628	3,140
Okla.	- (e)	-
Ore.	12	12
Pa.	*	*
R.I.	4	8
S.C.	606	(e)
S.D.	144	447 (m)
Tenn.	-	-
Tex.	716	5,834
Utah	39	215
Vt.	<10	<10
Va.	8	46
Wash.	273	1,018
W.Va.	-	-
Wisc.	322	322
Wyo.	-	-
Guam	1	1
P.R.	-	-
V.I.	-	-

TABLE 2-18. PARASITOLOGY: PARASITES

	Specimens	Exams	Positives	
			Protozoa	Helminths
Ala.	35,576	51,844	5,158	2,646
Alaska	726	798	4	28
Ariz.	775	2,097	154 (a)	(a)
Ark.	1,660	3,217	212	75
Cal.	1,012	*	254	120
Colo.	*	*	*	*
Conn.	15,120	21,276	968	510
Del.	124	196	3	15
D.C.	614	614	17	21
Fla.	82,282	82,282	4,952	5,213
Ga.	67,630	83,920	802	6,328
Hawaii	3,072	3,079	69	369
Ida.	150	296	5	5
Ill.	1,144	2,543	262	67
Ind.	2,062 (n)	3,556	316	115
Ia.	1,065	2,032	62	36
Kans.	5,800	11,600	1,011	260
Ky.	4,397	7,568	576	839
La.	50,799	50,799	13,882	- (o)
Me.	-	-	-	-
Md.	8,800	8,800	353	843
Mass.	-	-	-	-
Mich.	3,506	5,756	561	160
Minn.	3,978	7,814	250	135
Miss.	11,012	11,012	1,179	968
Mo.	1,003	2,799	42	1
Mont.	283	283	60	30
Nebr.	114	456	4	8
Nev.	117	456	2	-
N.H.	528	528	13	-
N.J.	4,736	14,208	228	386
N.M.	137	137	7	-
N.Y.	935	*	34	13
N.C.	8,301	11,366	517	839
N.D.	748	1,496	-	10
Ohio	741	1,667	61	62
Okla.	1,874	1,789	96	74
Ore.	876	1,640	37	36
Pa.	*	*	*	*
R.I.	974	1,948	32	96
S.C.	26,038	26,819	3,709	*
S.D.	94	607	-	10
Tenn.	5,229	9,822	170	615
Tex.	5,100	8,357	531	215
Utah	1,876	1,912	140	33
Vt.	529	529	68	6
Va.	27,777	27,777	240	2,065
Wash.	1,493	1,528	124	58
W.Va.	1,982	4,800	204	173
Wisc.	4,477 (p)	4,477	323	141
Wyo.	75	125	2	2
Guam	4,922	4,922	-	1,738
P.R.	8,094	8,094	2,888	1,903
V.I.	7,288	8,539	109	604

TABLE 2-19. PARASITOLOGY: BLOOD PARASITES, MICROSCOPIC

	Specimens	Exams	Positives
Ala.	53	53	1
Alaska	6	6	1
Ariz.	12	12	1
Ark.	25	25	-
Cal.	78	*	49
Colo.	*	*	*
Conn.	10	10	8
Del.	-	-	-
D.C.	-	-	-
Fla.	16	16	2
Ga.	53	52	7
Hawaii	17	8 (q)	4
Ida.	1	1	-
Ill.	25	50	4
Ind.	3	3	3
Ia.	24	23	5
Kans.	6	6	1
Ky.	3	3	-
La.	10	10	-
Me.	-	-	-
Md.	14	14	1
Mass.	-	-	-
Mich.	4	4	1
Minn.	6	6	-
Miss.	17	17	-
Mo.	5	6	-
Mont.	-	-	-
Nebr.	-	-	-
Nev.	-	-	-
N.H.	6	8	-
N.J.	290	770	18
N.M.	*	*	*
N.Y.	*	*	5
N.C.	19	21	4
N.D.	26	14	16
Ohio	5	5	3
Okla.	8	8	1
Ore.	-	-	-
Pa.	*	*	*
R.I.	5	5	1
S.C.	9	9	-
S.D.	-	-	-
Tenn.	12	12	3
Tex.	19	19	5
Utah	-	-	-
Vt.	1	1	1
Va.	-	-	-
Wash.	-	-	-
W.Va.	1	1	1
Wisc.	6	6	1
Wyo.	-	-	-
Guam	-	-	-
P.R.	4	4	4
V.I.	1	2	-

TABLE 2-20. PARASITOLOGY: REFERRED SPECIMENS

	Specimens	Examinations			
		Arthropods	Malarial	Other Protozoa	Helminths and Other Worms
Ala.	3	1	-	-	-
Alaska	-	-	-	-	-
Ariz.	-	-	-	-	-
Ark.	2	1	-	-	-
Cal.	*	*	*	*	*
Colo.	*	*	*	*	*
Conn.	9	1	-	-	8
Del.	-	-	-	-	-
D.C.	-	-	-	-	-
Fla.	43	43 (r)	(r)	(r)	(r)
Ga.	73	73 (r)	(r)	(r)	(r)
Hawaii	10	2	-	-	9
Ida.	10	2	-	-	-
Ill.	9	-	(s)	-	-
Ind.	12	4	3	-	5
Ia.	32	1	-	13	5
Kans.	18	2	1	-	1
Ky.	1	-	-	-	1
La.	-	-	-	-	-
Me.	4	4	-	-	-
Md.	(t)	4	1	-	-
Mass.	-	-	-	-	-
Mich.	4	-	1	-	2
Minn.	35	7	-	1	21
Miss.	(t)	(t)	(t)	(t)	(t)
Mo.	-	-	(s)	-	-
Mont.	9	-	3	-	-
Nebr.	3	1	-	-	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	3	-	-	-	9
N.M.	*	*	*	*	*
N.Y.	*	*	*	*	*
N.C.	(t)	42	(t)	(t)	(t)
N.D.	-	-	-	-	-
Ohio	73	62	(s)	-	11 (u)
Okla.	-	-	-	-	-
Ore.	-	-	-	-	-
Pa.	*	*	*	*	*
R.I.	42	-	3	20	20
S.C.	10	-	9	-	1
S.D.	-	-	-	-	-
Tenn.	-	-	-	-	-
Tex.	461	450	3	3	5
Utah	6	-	-	-	6
Vt.	<10	<10 (r)	(r)	(r)	(r)
Va.	4	-	2	-	2
Wash.	(t)	4	-	-	-
W.Va.	4	4	-	-	-
Wisc.	18	4	-	-	14
Wyo.	-	-	-	-	-
Guam	-	-	-	-	-
P.R.	-	-	-	-	-
V.I.	-	-	-	-	-

TABLES 2-16 - 2-20. FOOTNOTES

(a) All positives included in one figure; breakdown not available.

(b) Positives were of 35 types; no further record kept.

(c) Positives include both clinical and referred culture specimens.

(d) Candida albicans, 638; Torulopsis glabrata, 39; Geotrichum candidum, 3; Nocardia asteroides, 1; Aspergillus fumigatus, 1; Allescheria boydii, 1; Trichosporon cutaneum, 2.

(e) "Referred for Identification" included with "Mycology Cultures."

(f) Candida albicans.

(g) Nocardia.

(h) Candida albicans, 658.

(i) Histoplasma and Blastomyces counted together.

(j) Candida albicans, 275; Nocardia asteroides, 3; Nocardia brasiliensis, 1; Histoplasma capsulatum, 3.

(k) 180 referred cultures included with Table 2-16. .

(l) Included with Mycology Cultures. A total of 233 other isolations included: Sporotrichum schenckii, 3; Alternia sp., 9; Aspergillus niger, 9; Aspergillus sp., 16; Candida krusei, 19; Candida parapsilosis, 22; Candida guilliermondii, 4; Candida tropicalis, 48; Cladosporum sp., 4; Penicillium sp., 24; Rhizopus sp., 3; Saccharomyces cerevisiae, 4; Schopulariopsis sp., 3; Torulopsis glabrata, 38; Trichosporon cutaneum, 5.

(m) Isolations included: Trichophyton species, Epidermophyton floccosum, Phycomycetes, Candida albicans, Geotrichum, Sporotrichum schenckii.

(n) Includes 1,518 specimens which were paired fecal unpreserved and preserved (PVA).

(o) Other positives: adult worms, 10; and 98 positives in wild animal livers.

(p) Includes 1,741 pinworm slides (199 positives) not shown in further breakdown.

(q) Nine smears broken in transit.

(r) All exams included in figure shown under "Arthropods".

(s) Included with Blood Parasites, Microscopic, Table 2-19.

(t) Included with parasitology specimens and exams, Table 2-18.

(u) Includes meat for trichinae, 7.

TABLE 2-21. VIROLOGY: RABIES

	Specimens	Exams	Positives	
			Microscopic	Animal Inoculation
Ala.	2,310	2,295	85	-
Alaska	- (a)	-	-	-
Ariz.	2,680	3,848	64	-
Ark.	1,782	3,506	125	-
Cal.	1,061	1,061	72	5
Colo.	*	*	*	*
Conn.	550	1,184	6	-
Del.	324	934	9	-
D.C.	81	81	-	-
Fla.	4,484	8,968	86	-
Ga.	2,177	4,395	200	4
Hawaii	7	7	-	-
Ida.	158	638	1	1
Ill.	3,254	3,187	77	-
Ind.	3,473	6,946	67	-
Ia.	964	7,712	78	2
Kans.	2,029	- (b)	108	- (c)
Ky.	1,876	4,422	533	4
La.	6,018	6,018	45	10
Me.	572	1,716	82	-
Md.	876	1,601	2	2
Mass.	-	-	-	-
Mich.	2,262	3,517	8	8
Minn.	1,308	1,586	77	78
Miss.	751	751	4	-
Mo.	1,588	8,523	62	8
Mont.	- (d)	-	-	-
Nebr.	877	2,643	6	-
Nev.	-	-	-	-
N.H.	401	1,009	60	31
N.J.	11,260	84,724	13	13
N.M.	*	563	10	-
N.Y.	-	-	-	-
N.C.	1,118	2,305	5	4
N.D.	560	560	56	-
Ohio	3,634	5,473	59	-
Okla.	2,630	2,540	219	13
Ore.	427	400	4	-
Pa.	*	*	*	*
R.I.	112	336	1	336
S.C.	912	929	6	6
S.D.	112	145	22	-
Tenn.	3,099	5,945	198	-
Tex.	4,258	15,307	219	104
Utah	175	514	9	9
Vt.	276	433	5	-
Va.	1,313	2,551	126	6
Wash.	414	1,583	9	-
W.Va.	550	1,678	23	22
Wisc.	2,311	2,476	143	19
Wyo.	-	-	-	-
Guam	29	29	-	-
P.R.	206	206	51	-
V.I.	-	-	-	-

TABLE 2-22. VIROLOGY: TOTAL VIRAL ISOLATIONS (e)

	Total Specimens	Total Exams	Total Positives
Ala.	317	1,246	19
Alaska	- (a)	-	-
Ariz.	860	4,499	65
Ark.	87	134	32
Cal.	5,444	8,545	739
Colo.	*	*	*
Conn.	9,872	22,639	304
Del.	-	-	-
D.C.	390	274	54
Fla.	1,132	1,132	41
Ga.	1,451	9,534	177
Hawaii	1,743	2,054	316
Ida.	-	-	-
Ill.	1,142	3,431	210
Ind.	420	370	18
Ia.	4,007	40,590	301
Kans.	544	5,430	139
Ky.	330	1,344	38
La.	4,859	4,859	34
Me.	408	1,632	40
Md.	34 (f)	213 (f)	*
Mass.	3,590	5,745	131
Mich.	1,100	3,704	118
Minn.	4,322	12,387	350
Miss.	-	-	-
Mo.	338	2,895	18
Mont.	428	418	32
Nebr.	-	-	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	7,566	108,977	348
N.M.	*	75	4
N.Y.	5,025	13,044	328
N.C.	1,333	14,155	318
N.D.	41	- (g)	-
Ohio	3,669	9,425	61
Okla.	629	2,436	51
Ore.	1,602	3,672	234
Pa.	*	*	*
R.I.	-	-	-
S.C.	324	3,511	50
S.D.	-	-	-
Tenn.	517	517	22
Tex.	1,026	5,881	153
Utah	512	6,692	92
Vt.	237	211	37
Va.	-	-	-
Wash.	541	5,285	98
W.Va.	118	225	5
Wisc.	1,425	3,715	270
Wyo.	-	-	-
Guam	-	-	-
P.R.	-	-	-
V.I.	-	-	-

TABLE 2-23. VIROLOGY: HUMAN SOURCE ISOLATIONS

	Specimens	Exams	Positives
Ala.	309	1,219	18
Alaska	-	-	-
Ariz.	860	4,499	65
Ark.	85	126	31
Cal.	3,647	6,745	672
Colo.	*	*	*
Conn.	9,872	22,639	304
Del.	-	-	-
D.C.	390	274	54
Fla.	1,132	1,132	41
Ga.	1,269	*	172
Hawaii	1,743	2,054	316
Ida.	-	-	-
Ill.	1,142	3,431	210
Ind.	420	370	18
Ia.	1,639	21,630	180
Kans.	351	3,500	87
Ky.	330	1,344	38
La.	575	575	13
Me.	408	1,632	40
Md.	*	179	*
Mass.	994	3,004	64
Mich.	1,100	3,704	118
Minn.	4,298	12,339	348
Miss.	-	-	-
Mo.	273	2,535	18
Mont.	428	418	32
Nebr.	-	-	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	5,753	84,480	115
N.M.	*	75	4
N.Y.	2,451	10,811	303
N.C.	1,277	13,792	310
N.D.	41	-	-
Ohio	825	1,307	61
Okla.	629	2,436	51
Ore.	1,602	3,672	234
Pa.	*	*	*
R.I.	-	-	-
S.C.	324	3,511	50
S.D.	-	-	-
Tenn.	491	491	21
Tex.	800	5,629	139
Utah	507	6,682	92
Vt.	237	211	37
Va.	-	-	-
Wash.	532	5,232	98
W.Va.	118	225	5
Wisc.	1,425 (h)	3,715 (h)	270 (h)
Wyo.	-	-	-
Guam	-	-	-
P.R.	-	-	-
V.I.	-	-	-

TABLE 2-23. VIROLOGY: HUMAN SOURCE ISOLATIONS
(Continued)

	Throat Washings			Fecal		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	102	408	8	56	224	4
Alaska	-	-	-	-	-	-
Ariz.	(i)	(i)	(i)	(i)	(i)	(i)
Ark.	44	61	18	12	34	3
Cal.	645	1,470	160	1,098	2,279	218
Colo.	*	*	*	*	*	*
Conn.	3,838	8,792	124	3,780	8,655	149
Del.	-	-	-	-	-	-
D.C.	74	47	3	75	54	6
Fla.	57	*	-	713	*	39
Ga.	477	*	102	305	*	37
Hawaii	916	1,144	228	425	485	65
Ida.	-	-	-	-	-	-
Ill.	376	1,128	116	345	1,035	49
Ind.	104	83	3	91	80	5
Ia.	605	7,985	72	529	6,949	55
Kans.	105	1,040	28	165	1,650	44
Ky.	102	520	25	101	402	11
La.	196	196	-	251	251	13
Me.	183	732	18	132	528	20
Md.	*	*	*	*	*	*
Mass.	424	1,255	25	321	985	17
Mich.	217	812	22	469	1,510	78
Minn.	1,152	3,456	55	1,110	2,775	140
Miss.	-	-	-	-	-	-
Mo.	193	1,216	13	31	514	3
Mont.	198	198	15	139	139	6
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	110	1,650	12	4,299	64,485	87
N.M.	*	37	4	*	11	-
N.Y.	*	*	*	*	*	*
N.C.	512	5,336	136	371	3,897	99
N.D.	-	-	-	-	-	-
Ohio	291	495	38	177	297	16
Okla.	295	1,282	26	151	334	2
Ore.	732	1,698	117	431	910	24
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	149	1,561	30	80	1,045	15
S.D.	-	-	-	-	-	-
Tenn.	195	195	14	116	116	6
Tex.	186	937	51	484	4,237	80
Utah	207	*	*	152	*	*
Vt.	96	87	27	31	29	2
Va.	-	-	-	-	-	-
Wash.	164	1,335	42	224	2,539	41
W.Va.	28	64	2	37	75	1
Wisc.	215	903	37	177	744	11
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-23. VIROLOGY: HUMAN SOURCE ISOLATIONS
(Continued)

	CSF			Blood		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	57	211	2	11	44	-
Alaska	-	-	-	-	-	-
Ariz.	(i)	(i)	(i)	(i)	(i)	(i)
Ark.	19	19	4	1	1	-
Cal.	379	811	30	119	191	19
Colo.	*	*	*	*	*	*
Conn.	496	1,136	11	11	25	-
Del.	-	-	-	-	-	-
D.C.	52	40	-	169	115	45
Fla.	204	*	2	11	*	-
Ga.	275	*	23	2	*	-
Hawaii	199	211	12	64	65	1
Ida.	-	-	-	-	-	-
Ill.	201	603	20	3	9	-
Ind.	151	136	2	3	3	1
Ia.	161	1,907	8	15	157	-
Kans.	57	570	10	6	60	-
Ky.	72	223	-	3	3	-
La.	12	12	-	1	1	-
Me.	49	196	1	-	-	-
Md.	*	*	*	*	*	*
Mass.	200	618	4	2	7	-
Mich.	207	371	7	-	-	-
Minn.	581	1,743	13	4	12	-
Miss.	-	-	-	-	-	-
Mo.	27	454	2	1	15	-
Mont.	38	28	-	21	21	9
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	732	10,980	7	5	60	1 (j)
N.M.	*	22	-	*	2	-
N.Y.	*	*	*	*	*	*
N.C.	186	2,064	37	22	334	-
N.D.	-	-	-	-	-	-
Ohio	225	383	7	14	14	-
Okla.	77	300	1	3	12	-
Ore.	142	290	3	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	65	657	4	-	-	-
S.D.	-	-	-	-	-	-
Tenn.	94	94	1	1	1	-
Tex.	117	416	8	-	-	-
Utah	63	*	*	-	-	-
Vt.	65	61	4	1	-	-
Va.	-	-	-	-	-	-
Wash.	103	860	11	1	22	-
W.Va.	40	68	-	-	-	-
Wisc.	89	294	3	5	20	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-23. VIROLOGY: HUMAN SOURCE ISOLATIONS
(Continued)

	Tissue			Other		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	23	92	2	60	240	2
Alaska	-	-	-	-	-	-
Ariz.	(i)	(i)	(i)	(i)	(i)	(i)
Ark.	2	2	-	7	9	6
Cal.	1,230	1,546 (k)	152	176 (l)	448	93
Colo.	*	*	*	*	*	*
Conn.	243	600	3	1,504	3,431	17
Del.	-	-	-	-	-	-
D.C.	8	9	-	12	9	-
Fla.	113	*	-	34	*	-
Ga.	55	*	5	155	*	5
Hawaii	80	86	9	59	63	1
Ida.	-	-	-	-	-	-
Ill.	78	234	10	139	422	15
Ind.	20	20	4	51	48	3
Ia.	98	1,544	13	231	3,088	32
Kans.	3	30	-	15	150	5
Ky.	15	60	1	37	136	1
La.	39	39	-	76	76	1
Me.	20	80	-	24	96	-
Md.	*	*	*	-	-	-
Mass.	35	105	14	12	34	4
Mich.	68	436	2	139	575	9
Minn.	16	48	3	1,435	4,305	137
Miss.	-	-	-	-	-	-
Mo.	13	213	-	8	123	-
Mont.	9	9	2	23	23	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	207	3,105	5	400	4,200	3
N.M.	*	3	-	-	-	-
N.Y.	*	*	*	*	*	*
N.C.	104	1,322	20	82	839	18
N.D.	-	-	-	-	-	-
Ohio	6	6	-	112	112	-
Okla.	19	132	4	84	376	18
Ore.	35	70	-	262	704	90
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	9	104	-	21	144	1
S.D.	-	-	-	-	-	-
Tenn.	46	46	-	39	39	-
Tex.	13	39	-	-	-	-
Utah	25	*	*	60	*	*
Vt.	16	12	-	28	22	4
Va.	-	-	-	-	-	-
Wash.	38	440	4	2	36	-
W.Va.	6	6	-	7	12	2
Wisc.	35	144	5	114	423	17
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-24. VIROLOGY: ANIMAL SOURCE ISOLATIONS

	Specimens	Exams	Positives	Horses		
				Specimens	Exams	Positives
Ala.	8	27	1	3	12	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	2	8	1	1	7	1
Cal.	1,797	1,800	67	10	10	1
Colo.	*	*	*	*	*	*
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	-	-	-	-	-	-
Ga.	182	*	5	6	*	1
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	2,368	18,960	121	-	-	-
Kans.	193	1,930	52	-	-	-
Ky.	-	-	-	-	-	-
La.	4,284	4,284	21	-	-	-
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	2,596	5,745	131	24	24	-
Mich.	-	-	-	-	-	-
Minn.	24	48	2	-	-	-
Miss.	-	-	-	-	-	-
Mo.	65	360	-	1	10	-
Mont.	- (m)	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	1,813	24,497	233	18	1,270	15
N.M.	*	*	*	*	*	*
N.Y.	2,574	2,233	25	*	*	*
N.C.	56	363	8	21	136	-
N.D.	-	-	-	-	-	-
Ohio	2,844	8,118	-	-	-	-
Okla.	-	-	-	-	-	-
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	-	-	-	-	-	-
Tenn.	26	26	1	-	-	-
Tex.	226	252	14	49	72	8
Utah	5	5	-	5	5	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	9	53	-	-	-	-
W.Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-24. VIROLOGY: ANIMAL SOURCE ISOLATIONS
(Continued)

	Birds			Mosquito Pools (1 Pool=1 Specimen)		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	5	15	1	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	1	1	-	-	-	-
Cal.	3	6	1	1,784	1,784	65
Colo.	*	*	*	*	*	*
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	-	-	-	-	-	-
Ga.	46	*	-	127	*	4
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	2,368	18,960	121
Kans.	-	-	-	193	1,930	52
Ky.	-	-	-	-	-	-
La.	4,284	4,284	21	-	-	-
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	14	52	14	2,557	2,663	53
Mich.	-	-	-	-	-	-
Minn.	3	6	-	21	42	2
Miss.	-	-	-	-	-	-
Mo.	-	-	-	64	350	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	28 (n)	304	8	1,427	11,416	197
N.M.	-	-	-	-	-	-
N.Y.	*	*	*	*	*	*
N.C.	32	208	8	-	-	-
N.D.	-	-	-	-	-	-
Ohio	1	2	-	2,842	8,114	-
Okla.	-	-	-	-	-	-
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	-	-	-	-	-	-
Tenn.	6	6	-	20	20	1
Tex.	16	32	-	161	148	6
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	9	53	-	-	-	-
W.Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-24. VIROLOGY: ANIMAL SOURCE ISOLATIONS
(Continued)

	Specimens	Other Exams	Positives
Ga.	3	*	-
Mass.	1	2	-
N.J.	340 (o)	11,507	13
N.C.	3 (p)	19	-
Ohio	1 (p)	2	-

TABLES 2-21 - 2-24. FOOTNOTES

(a) Services provided through the Arctic Health Research Center (PHS) in Fairbanks, Alaska and CDC, Atlanta.

(b) Rabies work done by Veterinary Diagnostic Laboratory, Kansas State University, Manhattan, Kansas.

(c) Specimens positive by FA are not inoculated into mice.

(d) Performed at diagnostic laboratory, Animal Health Division, Department of Livestock.

(e) Excluding Rabies, which is in Table 2-21.

(f) Sewage and Water Source: 34 specimens, 34 exams.

(g) Referred to CDC.

(h) Includes the following not shown in breakdown by source of specimen: Leptospirosis, 6 specimens, 6 exams, 0 positives; T. gondii, 61 specimens, 61 exams, 0 positives; M. pneumoniae, 336 specimens, 336 exams, 5 positives; T. mycoplasma, 387 specimens, 784 exams, 192 positives.

(i) Viral isolations reported as follows:

	Specimens	Examinations	Significant
Arboviruses	1	7	-
Enteroviruses	94	456	17
Exanthems	46	412	3
Miscellaneous	573	2,746	5
Mycoplasma	14	87	1
Respiratory	132	791	39

(j) Isolation of Venezuelan equine encephalitis from the blood of a laboratory worker in the Virology Program.

(k) Includes 709 exams, 91 positives, direct FA on original tissue (skin lesions, brain, blood clot, etc.).

(l) Urine, 141 specimens, 413 exams, 63 positives. Isolates for identification, 35 specimens, 35 exams, 30 positives.

(m) Performed at Rocky Mountain Laboratory in Hamilton.

(n) Pheasant.

(o) Caged W.F. mice, 127 specimens, 4,786 exams, 13 positives; caged mammal bloods and brains, 213 specimens, 6,721 exams, 0 positives.

(p) Cow.

TABLE 2-25. SYPHILIS SEROLOGY: BLOOD

	Total Specimens	Total Exams	Total Positives (a)	Screening VDRL Exams	Screening VDRL Positives (a)
Ala.	426,827	458,718	32,468	435,983	14,840
Alaska	39,034	51,338	2,025	38,155	923
Ariz.	52,483	63,062	8,835	51,907	5,121
Ark.	130,847	140,666	8,395	130,417	6,251
Cal.	25,605	33,283	4,873	25,605	3,290
Colo.	*	*	*	*	*
Conn.	104,328 (b)	125,612 (b)	7,797 (b)	104,319	7,797
Del.	29,598	33,298	4,726	29,598	1,840
D.C.	178,099	215,332	47,761	-	-
Fla.	896,909	942,049	73,669	896,909	40,157
Ga.	555,699	582,184	51,712	548,534	25,172
Hawaii	32,392	36,962	4,327	29,665	1,651
Ida.	20,993	23,858	1,278	-	-
Ill.	85,588	105,807	24,651	-	-
Ind.	109,324	112,045	9,006	105,558	3,926
Ia.	168,603	172,626	5,800	158,868	4,008
Kans.	108,766	117,042	11,252	108,766	4,664
Ky.	128,293	144,802	11,855	134,312	4,978
La.	192,288	192,290	19,824	179,931	10,797
Me.	32,433	35,464	3,051	32,433	1,011
Md.	196,333	238,672	58,592	-	-
Mass.	270,873	273,509	13,023	243,024 (c)	5,114
Mich.	347,722	399,566	72,170	346,592	32,346
Minn.	192,096	226,451	18,010	192,096	8,527
Miss.	325,464	334,043	19,289	205,148	6,059
Mo.	73,180	82,246	13,542	66,531	4,855
Mont.	33,767	36,970	4,210	33,509	1,931
Nebr.	83,525	88,410	3,661	2,327	1,435
Nev.	38,182	48,409	7,435	38,182	3,375
N.H.	43,541	44,561	2,960	42,042	1,212
N.J.	253,597	296,414	26,288	250,630	16,807
N.M.	68,448	68,454	7,653	6	6
N.Y.	*	99,898	10,064	-	-
N.C.	318,725	356,485	37,783	318,725	14,620
N.D.	51,043	53,079	1,725	51,043	1,053
Ohio	103,318	125,923	16,042	101,253	11,005
Okla.	139,205	149,412	10,993	133,533	5,556
Ore.	95,718	99,648	3,112	95,718	2,575
Pa.	*	*	*	*	*
R.I.	46,444	56,420	7,273	46,444	2,072
S.C.	286,674	321,567	24,911	271,707	10,875
S.D.	30,393	31,749	848	30,393	497
Tenn.	504,458	514,663	21,176	503,109	10,205
Tex.	76,168	134,665	38,693	98,090	13,849
Utah	66,410	75,716	5,602	-	-
Vt.	35,687	37,396	1,868	-	-
Va.	212,688	224,449	22,309	209,927	11,147
Wash.	36,892	48,327	8,343	36,326	4,475
W.Va.	46,879	52,410	5,189	46,879	2,161
Wisc.	168,001	184,892	8,940	167,566	6,177
Wyo.	12,053	12,841	867	12,053	348
Guam	7,381	8,239	1,218	7,381	428
P.R.	133,340	144,861	16,684	33,382	2,651
V.I.	10,140	16,641	2,800	10,280	790

TABLE 2-25. SYPHILIS SEROLOGY: BLOOD
(Continued)

	Screening				
	RPR		Other		
	Exams	Positives (a)	Exams	Positives (a)	Type of Test
Ala.	359	127	-	-	
Alaska	11,434	459	-	-	
Ariz.	-	-	-	-	
Ark.	-	-	-	-	
Cal.	-	-	-	-	
Colo.	*	*	*	*	
Conn.	-	-	-	-	
Del.	-	-	-	-	
D.C.	-	-	178,099	22,173	USR
Fla.	-	-	-	-	
Ga.	-	-	-	-	
Hawaii	2,100	143	-	-	
Ida.	-	-	21,346	338	
Ill.	85,588	9,095	-	-	
Ind.	-	-	-	-	
Ia.	-	-	-	-	
Kans.	-	-	-	-	
Ky.	-	-	-	-	
La.	-	-	-	-	
Me.	-	-	-	-	
Md.	196,345	21,664	-	-	
Mass.	-	-	319	2	Davies-Hinton Micro. Flocculation
Mich.	-	-	-	-	
Minn.	-	-	-	-	
Miss.	117,204	2,520	-	-	
Mo.	165	94	-	-	
Mont.	-	-	-	-	
Nebr.	-	-	83,525	901	USR
Nev.	32	*	-	-	
N.H.	-	-	-	-	
N.J.	-	-	-	-	
N.M.	-	-	60,551	3,759	ART
N.Y.	-	-	89,084	10,064	ART
N.C.	-	-	-	-	
N.D.	-	-	-	-	
Ohio	-	-	-	-	
Okla.	-	-	-	-	
Ore.	-	-	-	-	
Pa.	*	*	*	*	
R.I.	-	-	4,996	1,743	Kolmer CF (4,038 ex., 1,578 pos.); ART (958 ex., 165 pos.)
S.C.	33,085	1,104	-	-	
S.D.	-	-	-	-	
Tenn.	-	-	-	-	
Tex.	2,892	-	-	-	
Utah	65,067	2,329	-	-	
Vt.	-	-	35,687	550	ART
Va.	-	-	-	-	
Wash.	754	664	112	92	USR
W.Va.	-	-	-	-	
Wisc.	-	-	-	-	
Wyo.	-	-	-	-	
Guam	-	-	-	-	
P.R.	-	-	99,958	5,021	ART
V.I.	4,764	413	-	-	

TABLE 2-25. SYPHILIS SEROLOGY: BLOOD
(Continued)

	Quantitative						
	VDRL		RPR		Other		
	Exams	Positives (a)	Exams	Positives (a)	Exams	Positives (a)	Type Test
Ala.	17,985	15,190	127	127	-	-	
Alaska	1,154	430	-	-	-	-	
Ariz.	5,128	*	-	-	-	-	
Ark.	6,261	-	-	-	-	-	
Cal.	3,290	*	-	-	-	-	
Colo.	*	*	*	*	*	*	
Conn.	10,658	*	-	-	-	-	
Del.	2,020	1,840	-	-	-	-	
D.C.	22,173	15,133	-	-	-	-	
Fla.	40,157	33,512	-	-	-	-	
Ga.	16,730	16,672	-	-	-	-	
Hawaii	3,100	1,343	-	-	-	-	
Ida.	1,549	555	-	-	-	-	
Ill.	-	-	10,572	9,095	-	-	
Ind.	3,926	3,767	-	-	-	-	
Ia.	6,803	*	-	-	-	-	
Kans.	4,664	4,664	-	-	-	-	
Ky.	5,868	4,816	-	-	-	-	
La.	5,775	5,773	-	-	-	-	
Me.	1,130	1,081	-	-	-	-	
Md.	-	-	20,561	20,561	-	-	
Mass.	-	-	2,636	2,636	16,385	*	Hinton
Mich.	22,089	22,089	-	-	-	-	
Minn.	4,370	4,370	-	-	-	-	
Miss.	6,059	6,059	2,520	2,520	-	-	
Mo.	8,708	4,455	-	-	-	-	
Mont.	2,461	1,929	-	-	-	-	
Nebr.	1,635	960	-	-	-	-	
Nev.	3,375	2,624	-	-	-	-	
N.H.	1,770	1,085	91	48	-	-	
N.J.	27,193	*	-	-	-	-	
N.M.	-	-	-	-	3,759	3,614	ART
N.Y.	350	*	400	*	-	-	
N.C.	17,321	14,620	-	-	-	-	
N.D.	1,053	410	-	-	-	-	
Ohio	14,906	-	-	-	-	-	
Okla.	7,087	2,662	-	-	3,291	*	VDRL Tube
Ore.	2,949	-	-	-	-	-	
Pa.	*	*	*	*	*	*	
R.I.	2,072	2,072	-	-	165	165	ART
S.C.	12,598	10,875	275	275	-	-	
S.D.	497	*	-	-	-	-	
Tenn.	10,205	10,205	-	-	-	-	
Tex.	13,849	13,849	-	-	-	-	
Utah	8,252	2,278	-	-	-	-	
Vt.	600	520	-	-	520	520	ART
Va.	7,244	6,859	-	-	-	-	
Wash.	4,418	*	-	-	-	-	
W.Va.	3,874	2,151	-	-	-	-	
Wisc.	10,061	*	-	-	-	-	
Wyo.	352	330	-	-	-	-	
Guam	428	428	-	-	-	-	
P.R.	2,978	2,651	-	-	5,021	4,775	ART
V.I.	1,014	1,014	48	48	-	-	

TABLE 2-25. SYPHILIS SEROLOGY: BLOOD
(Continued)

	Confirmatory				
	FTA-ABS		Other		
	Exams	Positives (a)	Exams	Positives (a)	Type of Test
Ala.	3,516	2,184	748	*	MHA-TPI
Alaska	595	213	-	-	
Ariz.	6,027	3,714	-	-	
Ark.	3,988	2,144	-	-	
Cal.	-	-	4,388	1,583	TPI
Colo.	*	*	*	*	
Conn.	10,635	5,254	-	-	
Del.	1,680	1,046	-	-	
D.C.	15,060	10,455	-	-	
Fla.	4,983	*	-	-	
Ga.	11,097	6,748	5,823	3,120	
Hawaii	2,097	1,190	-	-	
Ida.	963	385	-	-	
Ill.	9,647	6,461	-	-	
Ind.	2,561	1,313	-	-	
Ia.	6,955	1,792	-	-	
Kans.	3,612	1,924	-	-	
Ky.	4,622	2,061	-	-	
La.	6,584	3,254	-	-	
Me.	1,901	959	-	-	
Md.	21,766	16,367	-	-	
Mass.	8,836	4,457	2,309	814	Reiter Protein Complement Fixation
Mich.	30,885	17,735	-	-	
Minn.	29,985	5,113	-	-	
Miss.	3,112	2,131	-	-	
Mo.	6,829	4,138	13	-	FTA-ABS, Igm
Mont.	1,000	350	-	-	
Nebr.	923	365	-	-	
Nev.	6,820	1,436	-	-	
N.H.	658	615	-	-	
N.J.	18,591	9,481	-	-	
N.M.	- (d)	-	4,138	274	TPI
N.Y.	10,064	*	-	-	
N.C.	20,439	8,543	-	-	
N.D.	983	262	-	-	
Ohio	9,764	5,037	-	-	
Okla.	5,501	2,775	-	-	
Ore.	981	537	-	-	
Pa.	*	*	*	*	
R.I.	2,743	1,221	-	-	
S.C.	3,862	1,780	40	2	FTA, Igm
S.D.	859	351	-	-	
Tenn.	1,349	766	-	-	
Tex.	19,834	10,995	-	-	
Utah	2,397	995	-	-	
Vt.	589	278	-	-	
Va.	7,278	4,303	-	-	
Wash.	6,717	3,112	-	-	
W.Va.	1,641	868	16	9	TPI
Wisc.	6,988	2,709	277	54	Darkfield (70 ex., 2 pos.), MHA-TPI (207 ex., 52 pos.)
Wyo.	436	189	-	-	
Guam	430	362	-	-	
P.R.	3,522	1,586	-	-	
V.I.	535	535	-	-	

TABLE 2-26. SYPHILIS SEROLOGY: SPINAL FLUID

	Total Specimens	Total Exams	Total Positives (a)
Ala.	1,436	1,441	9
Alaska	96	96	1
Ariz.	254	517	38
Ark.	96	140	-
Cal.	95	95	3
Colo.	*	*	*
Conn.	1,937 (b)	1,942 (b)	6 (b)
Del.	61	61	2
D.C.	45	45	7
Fla.	869	879	10
Ga.	1,012	1,941	84
Hawaii	131	169	1
Ida.	247	244	-
Ill.	145	149	4
Ind.	172	173	2
Ia.	1,210	1,213	4
Kans.	391	391	2
Ky.	141	163	6
La.	1,458	1,458	14
Me.	1,223	1,223	13
Md.	1,064	1,064	126
Mass.	5,484	5,484	17
Mich.	770	856	16
Minn.	3,422	6,496	94
Miss.	12	12	-
Mo.	551	917	138
Mont.	258	258	2
Nebr.	753	1,686	11
Nev.	221	221	-
N.H.	1,130	1,152	37
N.J.	847	821	18
N.M.	*	542	6
N.Y.	6,642	6,642	99
N.C.	1,053 (e)	1,244 (e)	62 (e)
N.D.	319	319	2
Ohio	505	812	285
Okla.	274	651	11
Ore.	136	175	23
Pa.	*	*	*
R.I.	361	674	-
S.C.	54	561	22
S.D.	134	134	-
Tenn.	523	523	5
Tex.	279	279	10
Utah	673	1,267	74
Vt.	429	429	2
Va.	938	1,127	44
Wash.	1,449	1,616	42
W.Va.	59	118	18
Wisc.	529	627	35
Wyo.	4	4	-
Guam	-	-	-
P.R.	11	11	3
V.I.	1	1	-

TABLE 2-26. SYPHILIS SEROLOGY: SPINAL FLUID
(Continued)

	VDRL		Other		
	Exams	Positives (a)	Exams	Positives (a)	Type of Test
Ala.	1,441	9	-	-	
Alaska	96	1	-	-	
Ariz.	264	10	253	28	FTA
Ark.	96	-	44	-	Total Protein
Cal.	95	3	-	-	
Colo.	*	*	*	*	
Conn.	1,941	5	1	1	FTA-ABS
Del.	61	2	-	-	
D.C.	45	7	-	-	
Fla.	879	10	-	-	
Ga.	971	11	970	73	FTA-CSF (960 ex., 63 pos.); VDRL Quant. (10 ex., 10 pos.)
Hawaii	131	1	38	-	Gum Mastic, 37; Globulin, 1
Ida.	244	-	-	-	
Ill.	149	4	-	-	
Ind.	173	2	-	-	
Ia.	1,213	4	-	-	
Kans.	-	-	-	-	
Ky.	144	6	19	-	Total Protein
La.	1,451	13	7	1	FTA
Me.	1,223	13	-	-	
Md.	-	-	1,064	126	FTA
Mass.	-	-	5,484	17	Davies-Hinton
Mich.	851	11	5	5	VDRL Quant. (3 ex., 3 pos.); FTA-ABS (2 ex., 2 pos.)
Minn.	3,290	11	3,206	83	Colloidal Gold (1,762 ex.); Nonne (1,444 ex., 83 pos.)
Miss.	-	-	12	-	FTA-ABS
Mo.	551	6	366	132	Total Protein (360 ex., 126 pos.); VDRL Quant. (6 ex., 6 pos.)
Mont.	258	2	-	-	
Nebr.	753	-	933	1	Total Protein; Colloidal Gold
Nev.	221	-	-	-	
N.H.	1,130	15	22	22	Total Protein
N.J.	-	-	-	-	
N.M.	542	6	-	-	
N.Y.	-	-	6,642	99	Reagin
N.C.	962	12	191	37	FTA (174 ex.); Total Protein (17)
N.D.	319	2	-	-	
Ohio	498	23	314	262	Quantitative (30 ex.); FTA-ABS (284 ex., 262 pos.)
Okla.	248	4	403	7	FTA (25 ex., 7 pos.); Total Protein (226 ex.); Colloidal Gold (152 ex.)
Ore.	136	5	39	18	FTA-ABS
Pa.	*	*	*	*	
R.I.	361	-	313	-	Kolmer Complement Fixation
S.C.	507	5	54	17	FTA-ABS
S.D.	134	-	-	-	
Tenn.	523	5	-	-	
Tex.	279	10	-	-	
Utah	613	5	654	69	FTA-CSF
Vt.	429	2	-	-	
Va.	1,127	44	-	-	
Wash.	1,445	9	171	33	FTA-ABS
W.Va.	59	5	59	13	Total Protein
Wisc.	526	10	101	25	FTA-ABS
Wyo.	4	-	-	-	
Guam	-	-	-	-	
P.R.	-	-	11	3	FTA-ABS
V.I.	1	-	-	-	

TABLE 2-27. NON-SYPHILIS SEROLOGY: TOTAL SPECIMENS, EXAMINATIONS, AND POSITIVES

	Bacterial Serology			Miscellaneous Serology		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	157	491	11	-	-	-
Alaska	53	53	5	13	13	-
Ariz.	65	23	3	(f)	67	6
Ark.	551	2,356	109	157	157	27
Cal.	13,570 (g)	3,682	224	(g)	165	24
Colo.	*	*	*	*	*	*
Conn.	316	657	66	7,670	14,667	2,330
Del.	-	-	-	-	-	-
D.C.	4	4	-	44	37	7
Fla.	1,232	2,040	20	690	690	88
Ga.	1,293	3,645	124	3,334	3,334	689
Hawaii	797	1,116	50	260	274	41
Ida.	83	204	1	-	-	-
Ill.	1,287	974	84	(f)	1,799	315
Ind.	1,233	3,876	59	711	711	64
Ia.	6,822	7,565	357	4,192	4,910	772
Kans.	420	738	43	11	446	199
Ky.	165	687	121	191	326	37
La.	3,937	3,937	128	236	236	2
Me.	133	133	1	934	934	151
Md.	1,233	3,756	8	6,277	14,066	95
Mass.	174	*	23	488	*	101
Mich.	457	460	10	4,132	4,157	2,032
Minn.	*	8,196	771	*	13,984	7,973
Miss.	1,848	2,130	37	(f)	320	7
Mo.	168	340	31	264	423	37
Mont.	102	204	10	240	240	44
Nebr.	5,545	11,156	427	1,716	5,148	375
Nev.	38	109	3	20	20	1
N.H.	131	777	-	-	-	-
N.J.	111	111	5	-	-	-
N.M.	861	891	*	30	30	*
N.Y.	*	1,849	*	*	1,179	*
N.C.	1,805	1,890	703	1,801	1,915	398
N.D.	2,633	5,815	*	(f)	2,695	*
Ohio	448	1,336	22	1,376	2,041	578
Okla.	1,848	5,544	177	(f)	(f)	12
Ore.	141	423	23	671	1,076	346
Pa.	*	*	*	*	*	*
R.I.	16	42	6	69	69	12
S.C.	356	1,734	121	1,366	1,748	624
S.D.	1,292	2,808	6	(f)	899	65
Tenn.	676	3,034	95	180	180	31
Tex.	817	1,533	6	31	41	5
Utah	1,384	2,758	24	1,683	2,676	189
Vt.	688	6,881	*	1,983	1,983	*
Va.	17,384	13,267	1,140	5,473	7,587	1,283
Wash.	1,570	1,747	*	-	-	-
W.Va.	52	74	2	94	94	18
Wisc.	5,249	7,459	177	10,628	10,628	1,803
Wyo.	150	523	125	154	154	12
Guam	36	36	7	19	19	10
P.R.	1,950	2,010	827	1,589	1,589	514
V.I.	83	83	-	32	70	-

TABLE 2-27. NON-SYPHILIS SEROLOGY: TOTAL SPECIMENS, EXAMINATIONS, AND POSITIVES (Continued)

	Fungal Serology			Parasitological Serology		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	1,924	7,723	355	*	824	46
Alaska	- (d)	-	-	- (d)	-	-
Ariz.	6,783	9,584	102	481	464	38
Ark.	2,080	8,342	446	134	131	30
Cal.	5,283	15,849	2,293	(g)	4,751	1,523
Colo.	*	*	*	*	*	*
Conn.	-	-	-	1,419	1,419	444
Del.	-	-	-	-	-	-
D.C.	-	-	-	14	14	5
Fla.	-	-	-	503	503	176
Ga.	1,306	5,224	155	817	817	34
Hawaii	-	-	-	-	-	-
Ida.	134	536	4	-	-	-
Ill.	5,168	16,762	914	1,272	1,689	417
Ind.	1,654	5,125	328	524	524	149
Ia.	1,069	4,848	236	1,020	2,123	352
Kans.	954	3,816	69	-	-	-
Ky.	2,354	9,411	1,159	371	371	150
La.	5,423	5,423	117	424	424	82
Me.	-	-	-	-	-	-
Md.	1,822	7,536	*	3,376	6,548	*
Mass.	-	-	-	-	-	-
Mich.	3,569	14,276	743	783	783	228
Minn.	1,772	7,905	769	951	1,444	329
Miss.	1,874	5,634	538	-	-	-
Mo.	3,108	13,083	800	465	1,416	105
Mont.	124	(d)	13	67	(d)	9
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	1,154	1,154	100
N.M.	- (d)	-	-	- (d)	-	-
N.Y.	-	-	-	*	354	*
N.C.	900	4,196	83	1,336	1,742	375
N.D.	-	-	-	-	-	-
Ohio	3,278	12,180	766	1,272	1,272	397
Okla.	- (d)	-	-	- (d)	-	-
Ore.	295	1,180	32	537	535	65
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	1,101	5,387	233	790	790	53
S.D.	38	265	4	59	58	-
Tenn.	3,192	6,384	427	231	231	26
Tex.	5,304	19,537	665	2,501	3,762	557
Utah	-	-	-	-	-	-
Vt.	200	800	41	195	196	93
Va.	2,031	7,196	222	1,034	1,035	524
Wash.	-	-	-	-	-	-
W.Va.	89	352	28	122	126	7
Wisc.	1,510	5,044	186	2,055	4,785	1,269
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	14	30	-	10	10	2

TABLE 2-27. NON-SYPHILIS SEROLOGY: TOTAL SPECIMENS, EXAMINATIONS, AND POSITIVES (Continued)

	Viral and Rickettsial Serology		
	Specimens	Exams	Positives
Ala.	20,825	34,928	132
Alaska	4,997 (h)	4,997	4,171
Ariz.	5,310	8,535	3,433
Ark.	637	1,670	707
Cal.	11,682	26,348 (i)	934
Colo.	*	*	*
Conn.	15,259	59,355	1,133
Del.	-	-	-
D.C.	927	927	702
Fla.	13,928	23,920	589 (j)
Ga.	9,989	12,123	3,348
Hawaii	14,400	14,400	291
Ida.	1,275	6,714	469
Ill.	4,839	35,864	555
Ind.	2,662	11,394	164
Ia.	46,114	67,473	40,526
Kans.	9,315	13,407	6,964
Ky.	1,182	7,446	5,708
La.	26,853	26,853	16,409
Me.	19,799	22,497	17,280
Md.	35,416	78,654	*
Mass.	7,065	8,302	1,309
Mich.	25,801	40,230	19,570
Minn.	*	45,134	33,883
Miss.	1,507	1,507	*
Mo.	16,965	163,545	54
Mont.	18,789	19,481	227
Nebr.	-	-	-
Nev.	418	551	254
N.H.	-	-	-
N.J.	93,886	638,739	20,054
N.M.	*	3,964	*
N.Y.	13,647	29,366	430
N.C.	46,869	56,081	38,916
N.D.	17,661	17,661	224
Ohio	7,731	39,640	8,744
Okla.	1,307	3,002	416 (k)
Ore.	38,078	47,174	30,697
Pa.	*	*	*
R.I.	18,165	18,165	*
S.C.	786	40,739	32,111
S.D.	11,636	11,649	167
Tenn.	16,579	22,276	14,023
Tex.	6,214	4,894	236
Utah	9,590	11,386	*
Vt.	557	10,127	4,898
Va.	2,574	5,251	2,119
Wash.	11,430	14,303	124 (l)
W.Va.	1,917	6,745	4,074
Wisc.	6,311	30,100	832
Wyo.	4,421	4,421	4,061
Guam	-	-	-
P.R.	208	208	42
V.I.	1,376	1,610	422

TABLE 2-28. BACTERIAL SEROLOGY

	Typhoid and Paratyphoid			Brucellosis		
	Minimum Significant Titer	Exams	Positives	Minimum Significant Titer	Exams	Positives
Ala.	-	-	-	1:80	54	4
Alaska	-	-	-	1:80	25	3
Ariz.	-	-	-	*	13	1
Ark.	1:160	1,127	19	1:80	306	9
Cal.	1:80	284	72	1:80	1,665	134
Colo.	*	*	*	*	*	*
Conn.	*	201	*	*	82	17
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	1:160	674	6	1:160	674	3
Ga.	1:320	822	-	1:40	851	45
Hawaii	1:160	211	7	1:40	58	8
Ida.	1:80	60	1	1:40	32	-
Ill.	1:80	235	14	1:80	248	22
Ind.	2+ at 1:80	1,159	20	1:80	980	9
Ia.	1:20	8	3	1:80	7,025	240
Kans.	-	-	-	1:20	353	13
Ky.	*	472	98	*	108	17
La.	-	-	-	*	1,604	4
Me.	-	-	-	*	89	-
Md.	-	-	-	*	234	6
Mass.	1:80	*	12	1:45	*	7
Mich.	-	-	-	1:80	129	5
Minn.	*	3,534	481	*	2,344	108
Miss.	1:160	200	7	1:160	250	12
Mo.	-	-	-	1:20	169	13
Mont.	-	-	-	1:80	102	5
Nebr.	1:80	6,870	295	1:80	3,986	105
Nev.	1:40	69	1	1:40	17	-
N.H.	1:80	751	-	1:32	26	-
N.J.	-	-	-	1:80	27	3
N.M.	*	346	*	*	366	*
N.Y.	*	1,180	*	*	233	*
N.C.	-	-	-	1:160	295	7
N.D.	1:80	2,633	*	1:80	2,633	*
Ohio	1:80	117	3	1:80	169	15
Okla.	1:80	*	74	1:80	*	27
Ore.	1:80	222	18	1:80	158	4
Pa.	*	*	*	*	*	*
R.I.	1:80	30	1	1:80	10	5
S.C.	1:160	369	67	1:160	146	6
S.D.	*	1,307	4	*	1,286	-
Tenn.	1:40	1,010	53	1:40	674	7
Tex.	(1)	171	-	(1)	230	-
Utah	-	-	-	1:80	1,010	3
Vt.	1:80	*	*	1:40	*	*
Va.	*	3,449	96	*	4,282	268
Wash.	*	70	*	*	120	*
W.Va.	-	-	-	1:80	22	-
Wisc.	1:160	244	29	1:160	1,966	18
Wyo.	1:80	128	63	1:80	132	1
Guam	-	-	-	-	-	-
P.R.	1:160	40	21	1:100	20	2
V.I.	-	-	-	-	-	-

TABLE 2-28. BACTERIAL SEROLOGY
(Continued)

	Tularemia			Weil-Felix		
	Minimum Significant Titer	Exams	Positives	Minimum Significant Titer	Exams	Positives
Ala.	1:80	49	1	-	-	-
Alaska	1:40	9	1	- (m)	-	-
Ariz.	*	4	1	*	6	1
Ark.	1:80	329	34	1:80	560	47
Cal.	1:80	80	3	-	-	-
Colo.	*	*	*	*	*	*
Conn.	*	26	1	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	1:80	67	3	1:160	67	1
Ga.	1:40	820	12	1:80	978	65
Hawaii	1:80	-	-	1:160	27	-
Ida.	1:20	34	-	-	-	-
Ill.	1:80	226	8	1:80	170	37
Ind.	1:80	975	16	1:80	635	10
Ia.	1:20	36	1	1:80	6	3
Kans.	1:20	339	28	-	-	-
Ky.	*	107	6	-	-	-
La.	*	63	7	*	1,598	2
Me.	*	13	-	*	15	-
Md.	*	155	2	-	-	-
Mass.	1:80	*	1	1:80	*	3
Mich.	1:80	39	5	-	-	-
Minn.	*	707	4	*	843	178
Miss.	1:80	250	4	1:160	100	14
Mo.	1:20	171	18	-	-	-
Mont.	1:80	102	5	-	-	-
Nebr.	1:80	124	11	1:25	132	16
Nev.	1:40	5	1	1:40	18	1
N.H.	-	-	-	-	-	-
N.J.	1:80	13	1	-	-	-
N.M.	*	12	*	*	28	*
N.Y.	*	102	*	-	-	-
N.C.	1:160	295	8	-	-	-
N.D.	1:80	50	*	(any titer)	35	*
Ohio	1:80	42	4	1:80	12	-
Okla.	1:80	*	33	1:80	*	13
Ore.	1:80	43	1	-	-	-
Pa.	*	*	*	*	*	*
R.I.	1:80	1	-	1:80	1	-
S.C.	1:160	149	6	1:160	810	35
S.D.	*	192	2	*	17	-
Tenn.	1:40	674	21	1:40	676	14
Tex.	(1)	169	2	(1)	431	3
Utah	1:160	1,009	18	1:160	739	3
Vt.	>1:20	*	*	1:80	*	*
Va.	*	1,519	28	*	2,899	83
Wash.	*	30	*	*	10	*
W.Va.	1:80	22	-	-	-	-
Wisc.	1:160	1,175	6	-	-	-
Wyo.	1:80	133	13	1:80	130	48
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-28. BACTERIAL SEROLOGY
(Continued)

	Antistreptolysin O			Leptospirosis		
	Minimum Significant Titer	Exams	Positives	Minimum Significant Titer	Exams	Positives
Ala.	-	-	-	*	388	6
Alaska	-	19	1	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	1:160	34	-
Cal.	-	-	-	- (n)	1,621	15
Colo.	*	*	*	*	*	*
Conn.	1:340	341 (o)	46	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	4	-	-	-	-
Fla.	-	-	-	*	558	7
Ga.	-	-	-	- (n)	174	2
Hawaii	-	-	-	1:100	820	35
Ida.	-	-	-	(any)	78	-
Ill.	-	-	-	- (p)	95	3
Ind.	-	-	-	1:80	127	4
Ia.	166 Todd Units	245	86	1:40	245	24
Kans.	-	-	-	(q)	46	2
Ky.	-	-	-	-	-	-
La.	-	-	-	*	124	12
Me.	-	-	-	*	16	1
Md.	*	721	*	*	1,169	*
Mass.	-	-	-	-	-	-
Mich.	1:170	191	-	1:16	97	-
Minn.	*	768	-	-	-	-
Miss.	-	1,330	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	1:40	44	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	- (r)	71	1
N.M.	*	73	*	*	51	*
N.Y.	*	181	*	*	153	*
N.C.	1:166	944	688	1:5	356	-
N.D.	200 Todd Units	464	*	-	-	-
Ohio	-	-	-	(any)	996	-
Okla.	333 Todd Units	21	6	(any)	*	24
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	224	-
S.D.	-	-	-	*	6	-
Tenn.	-	-	-	-	-	-
Tex.	(1)	112	-	(1)	414	1
Utah	-	-	-	-	-	-
Vt.	-	-	-	>1:40	*	*
Va.	*	897	658	*	221	7
Wash.	*	1,411	*	*	106	*
W.Va.	1:166	19	2	-	11	-
Wisc.	480 Todd Units	3,205	114	1:100	869	10
Wyo.	-	-	-	-	-	-
Guam	1:166	36	7	-	-	-
P.R.	1:166	1,930	793	-	-	-
V.I.	*	83	-	-	-	-

TABLE 2-28. BACTERIAL SEROLOGY
(Continued)

	Other Bacterial Diseases	
	Exams	Positives
Cal.	32	-
Conn.	7	2
La.	548	103
Md.	1,477	*
Mich.	4	-
N.M.	15	*
S.C.	36	7
P.R.	20	11

TABLE 2-29. MISCELLANEOUS SEROLOGY

	Infectious Mononucleosis		
	Minimum Significant Titer	Exams	Positives
Ala.	-	-	-
Alaska	*	13	-
Ariz.	*	67	6
Ark.	1:20	157	27
Cal.	*	165	24
Colo.	*	*	*
Conn.	1:40	6,020	1,848
Del.	-	-	-
D.C.	*	33	7
Fla.	1:32	674	88
Ga.	1:40	3,334	689
Hawaii	1:128	274	41
Ida.	-	-	-
Ill.	(any titer)	1,799	315
Ind.	1:56	711	64
Ia.	1:64	4,495	723
Kans.	(q)	11	-
Ky.	*	326	37
La.	*	37	2
Me.	*	934	151
Md.	*	1,702	95 (s)
Mass.	1:80	*	101
Mich.	1:160	4,151	2,029
Minn.	*	10,427	7,382
Miss.	1:56	320	7
Mo.	1:5	423	37
Mont.	1:40 (t)	240	44
Nebr.	1:56	5,148	375
Nev.	1:80	20	1
N.H.	-	-	-
N.J.	-	-	-
N.M.	*	27	*
N.Y.	*	971	*
N.C.	1:56	544	63
N.D.	1:40	2,633	*
Ohio	1:40	172	59
Okla.	1:40	*	10
Ore.	*	1,076	346
Pa.	*	*	*
R.I.	1:28	69	12
S.C.	1:40	1,591	607
S.D.	*	899	65
Tenn.	1:40	180	31
Tex.	(1)	41	5
Utah	1:128	2,541	183
Vt.	>1:40	1,983	*
Va.	*	7,587	1,283
Wash.	-	-	-
W.Va.	1:112	94	18
Wisc.	1:16	3,615	1,175
Wyo.	(n)	154	12
Guam	-	-	-
P.R.	1:56	60	25
V.I.	*	4	-

TABLE 2-29. MISCELLANEOUS SEROLOGY
(Continued)

	Cold Agglutinin		
	Minimum Significant Titer	Exams	Positives
Conn.	1:32	4,825 (u)	135
Mich.	1:10	6	3
Minn.	1:16	2,792	591
N.C.	*	461	49
N.D.	*	52	*
Ohio	(any)	1,204	308
Utah	-	135	6
Wisc.	1:128	980	119

	Rheumatoid Factor	
	Exams	Positives
D.C.	4	-
Ia.	314	39
Md.	321	*
S.C.	104	16
Wisc.	2,590	221
Guam	2	1
P.R.	1,372	420
V.I.	34	-

	C-Reactive Protein	
	Exams	Positives
Ia.	101	10
Md.	54	*
Minn.	765	*
N.Y.	208	*
N.C.	910	286
N.D.	10	*
Okla.	16	2
S.C.	35	1
Wisc.	1,698	203
Guam	17	9
P.R.	157	69
V.I.	32	-

	Other	
	Exams	Positives
Conn.	3,822	347
Fla.	16	*
Kans.	435 (v)	199
La.	199	-
Md.	11,989	*
N.M.	3	*
Ohio	665 (w)	211
S.C.	18	-
Wisc.	1,745 (x)	85

TABLES 2-25 - 2-29. FOOTNOTES

(a) Weakly reactive or above.

(b) In addition, the following special studies were conducted: national evaluations, 300 exams, 111 positives; reference specimens, 206 exams, 49 positives; Yale Barbados Study, 1,511 exams, 92 positives; ART evaluation, 184 exams; MHA-TPI evaluation, 260 exams, 124 positives; Spinal Fluids - FTA-ABS evaluation, 29 exams, 1 positive; Fluorokit FTA-ABS evaluation, 1,187 exams, 480 positives (total specimens: 2,618; total exams: 3,677; total positives, 857).

(c) Includes Hintons.

(d) Referred to CDC.

(e) Includes 91 specimens, 91 exams, and 13 positives of the Dry Darkfield Direct Fluorescent Antibody, Treponema Pallidum (DFATP) test.

(f) Miscellaneous Serology specimens included with Bacterial.

(g) Total shown for Bacterial Serology includes Bacterial, Miscellaneous, and Parasitological Serology. It also includes 1,405 specimens from a special survey on which examinations were done for Brucella, Fungal Diseases, Leptospirosis, and Trichinosis.

(h) All requests except rubella sent to CDC.

(i) Tests on paired acute and convalescent specimens counted as one examination.

(j) Positives include all sera (single or paired) with CF titers of 1:8 or greater, and HAI titers of 1:20 or greater.

(k) Positives equal number of sera with titer of 1:8 or higher.

(l) Four-fold rise in titer between acute and convalescent specimens.

(m) Discontinued.

(n) Qualitative only.

(o) Group A (CHO) streptococcal microagglutination test.

(p) Screen agglutination. Referred out for confirmation and titer.

(q) Screen only.

(r) Slide Agglutination Test.

(s) By absorption.

(t) Ox-cell hemolysin.

(u) Specimens included under Viral and Rickettsial.

(v) Mycoplasma pneumoniae CF test.

(w) Strep MG Agglutination.

(x) Mycoplasma, 862 exams, 85 positives, titer 1:32-64.

TABLE 2-30. FUNGAL SEROLOGY

	Blastomycosis		Coccidioidomycosis	
	Exams	Positives	Exams	Positives
Ala.	1,924	53	1,924	29
Alaska	-	-	-	-
Ariz.	22	3	8,594	-
Ark.	2,080	184	2,080	151
Cal.	-	-	5,283	971
Colo.	*	*	*	*
Conn.	-	-	-	-
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	-	-	-	-
Ga.	1,306	73	1,306	6
Hawaii	-	-	-	-
Ida.	134	-	134	-
Ill.	3,213	141	3,213	22
Ind.	1,654	41	163	-
Ia.	1,212	83	1,212	12
Kans.	954	10	954	7
Ky.	2,353	186	2,353	23
La.	1,395	67	1,390	6
Me.	-	-	-	-
Md.	1,721	*	1,721	*
Mass.	-	-	-	-
Mich.	3,569	58	3,569	32
Minn.	2,106	218	1,953	11
Miss.	1,874	85	12	3
Mo.	3,236	279	3,233	26
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	-	-
N.M.	-	-	-	-
N.Y.	-	-	-	-
N.C.	1,049	42	1,049	3
N.D.	-	-	-	-
Ohio	3,278	114	2,400	44
Okla.	-	-	-	-
Ore.	295	8	295	6
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	848	43	792	-
S.D.	89	1	64	1
Tenn.	-	-	-	-
Tex.	4,862	144	4,816	98
Utah	-	-	-	-
Vt.	200	13	200	1
Va.	1,598	26	1,598	16
Wash.	-	-	-	-
W.Va.	87	6	87	8
Wisc.	1,012	59	1,012	14
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-30. FUNGAL SEROLOGY
(Continued)

	Histoplasmosis					
	Mycelial		Yeast Phase		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	1,924	103	1,924	161	27 (a)	9
Alaska	-	-	-	-	-	-
Ariz.	484	46	484	53	-	-
Ark.	2,080	91	2,080	16	22 (b)	4
Cal.	5,283	172	5,283	1,150	-	-
Colo.	*	*	*	*	*	*
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	-	-	-	-	-	-
Ga.	1,306	46	1,306	30	-	-
Hawaii	-	-	-	-	-	-
Ida.	134	2	134	2	-	-
Ill.	5,168	165	5,168	586	-	-
Ind.	1,654	55	1,654	232	-	-
Ia.	1,212	44	1,212	97	-	-
Kans.	954	24	954	28	-	-
Ky.	2,351	282	2,354	668	-	-
La.	2,638	44	-	-	-	-
Me.	-	-	-	-	-	-
Md.	1,721	*	1,822	*	551 (c)	*
Mass.	-	-	-	-	-	-
Mich.	3,569	97	3,569	556	-	-
Minn.	1,740	95	2,106	445	-	-
Miss.	1,874	450 (d)	1,874	(d)	-	-
Mo.	3,255	120	3,359	375	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	-	-	-
N.M.	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-
N.C.	1,049	19	1,049	19	-	-
N.D.	-	-	-	-	-	-
Ohio	3,276	177	3,226	431	-	-
Okla.	-	-	-	-	-	-
Ore.	295	8	295	10	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	785	156 (d)	785	(d)	2,177 (e)	34
S.D.	110 (d)	2	(d)	(d)	2 (f)	-
Tenn.	3,192	211	3,192	216	-	-
Tex.	4,869	151	4,990	272	-	-
Utah	-	-	-	-	-	-
Vt.	200	12	200	15	-	-
Va.	2,000	90	2,000	90	-	-
Wash.	-	-	-	-	-	-
W.Va.	89	6	89	8	-	-
Wisc.	1,510	34	1,510	79	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	16	-	-	-	14 (c)	-

TABLE 2-31. PARASITOLOGICAL SEROLOGY

	Trichinosis		Toxoplasmosis		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	824	46	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	464	38	-	-
Ark.	3	-	83	25	45 (g)	5
Cal.	1,014	13	3,737	1,510	-	-
Colo.	*	*	*	*	*	*
Conn.	118	7	1,301	437	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	14	5	-	-
Fla.	-	-	503	176	-	-
Ga.	-	-	817	34	-	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	1,689	417	-	-
Ind.	93	3	431	146	-	-
Ia.	33	1	2,066	345	24	6
Kans.	-	-	-	-	-	-
Ky.	-	-	371	150	-	-
La.	-	-	424	82	-	-
Me.	-	-	-	-	-	-
Md.	54	*	6,370	*	124 (h)	*
Mass.	-	-	-	-	-	-
Mich.	75	-	708	228	-	-
Minn.	-	-	943	288	501 (i)	41
Miss.	-	-	-	-	-	-
Mo.	320	1	1,096	104	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	164	23	990	77	-	-
N.M.	-	-	-	-	-	-
N.Y.	354	*	-	-	-	-
N.C.	-	-	1,742	375	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	1,272	397	-	-
Okla.	-	-	-	-	-	-
Ore.	7 (j)	-	528	65	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	-	-	790	53	-	-
S.D.	5	-	51	-	2	-
Tenn.	-	-	231	26	-	-
Tex.	-	-	3,762	557	-	-
Utah	-	-	-	-	-	-
Vt.	8	-	188	93	-	-
Va.	212	3	823	521	-	-
Wash.	-	-	-	-	-	-
W.Va.	4	-	122	7	-	-
Wisc.	-	-	4,785	1,269	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	10	2	-	-

TABLE 2-32. VIRAL AND RICKETTSIAL SEROLOGY: COMPLEMENT FIXATION

	Mumps		Respiratory		Influenza A	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	1,548	9	5,424	16	1,551	53
Alaska	-	-	-	-	-	-
Ariz.	(k)	(k)	(k)	(k)	(k)	(k)
Ark.	81	16	608	226	-	-
Cal.	1,182	64	5,930 (l)	157	1,906	137
Colo.	*	*	*	*	*	*
Conn.	4,841	13	24,120	149	4,824	105
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	1,108	368	6,598 (m)	597	1,646	594
Ga.	336	87	3,573	243	908	135
Hawaii	881	18	2,493	21	682	8
Ida.	81	29	2,535	310	845	72
Ill.	2,378	50	13,389	178	3,957	135
Ind.	461	14	4,857	42	727	46
Ia.	1,861	562	5,463	1,906	2,636	1,592
Kans.	1,001	175	492 (n)	108	455	130
Ky.	208	7	-	-	275	22
La.	128	19	9	3	123	42
Me.	228	20	1,725	185	257	10
Md.	563	*	97	*	498	*
Mass.	201	33	507	130	507	36
Mich.	999	18	-	-	1,750	104
Minn.	893	412	-	-	1,478	1,024
Miss.	-	-	-	-	-	-
Mo.	280	-	1,230	1	-	-
Mont.	81	14	490	27	506	84
Nebr.	-	-	-	-	-	-
Nev.	551	254	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	7,088	38	11,803	12	5,492	41
N.M.	2,243	*	-	-	-	-
N.Y.	11,472 (o)	*	(o)	*	(o)	*
N.C.	451	107	1,694	356	654	158
N.D.	75	24	335 (p)	110	141	30
Ohio	1,679	878	7,521	2,633	1,137	730
Okla.	215	92	246	61	-	-
Ore.	816	90	1,855	90	621	57
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	600 (q)	164 (q)	1,131 (r)	343 (r)	(r)	(r)
S.D.	(s)	(s)	(s)	(s)	(s)	(s)
Tenn.	762	14	2,796	15	567	33
Tex.	175	6	410	3	914	69
Utah	19	*	671	*	72	*
Vt.	308	1	1,452	10	270	10
Va.	4,580 (o)	1,623 (o)	(o)	(o)	(o)	(o)
Wash.	396	7	1,046	22	578	50
W.Va.	122	10	124	5	51	7
Wisc.	1,151	27	8,364	44	2,088	118
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-32. VIRAL AND RICKETTSIAL SEROLOGY: COMPLEMENT FIXATION
(Continued)

	Influenza B		Arboviruses		Enteroviruses	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	1,551	-	3,048	-	765	-
Alaska	-	-	-	-	-	-
Ariz.	(k)	(k)	(k)	(k)	(k)	(k)
Ark.	-	-	190	6	42	-
Cal.	1,861	30	3,644	24	928	8
Colo.	*	*	*	*	*	*
Conn.	4,824	1	4,968	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	1,623	122	526	8	376	43
Ga.	802	8	396	-	120	5
Hawaii	682	1	464	1	84	-
Ida.	845	11	41	-	78	-
Ill.	3,023	1	5,598	1	4,205	-
Ind.	683	-	1,124	1	1,122	-
Ia.	2,615	758	905	9	-	-
Kans.	446	10	602	24	12	-
Ky.	274	-	92	-	12	-
La.	123	7	-	-	9	-
Me.	257	2	-	-	-	-
Md.	498	*	50	*	-	-
Mass.	507	2	-	-	-	-
Mich.	845	-	125	-	165	-
Minn.	1,476	480	44	20	-	-
Miss.	-	-	-	-	-	-
Mo.	-	-	8,192	17	1,488	-
Mont.	506	-	374	10	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	5,188	1	2,878	3	1,344	-
N.M.	-	-	-	-	-	-
N.Y.	(o)	*	(o)	*	(o)	*
N.C.	654	33	690	2	2,883	98
N.D.	141	-	108	2	-	-
Ohio	1,149	432	365	-	476	114
Okla.	-	-	55	20	24	9
Ore.	621	1	415	2	540	1
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	(r)	(r)	257	-	133	10
S.D.	(s)	(s)	(s)	(s)	(s)	(s)
Tenn.	567	8	568	-	-	-
Tex.	914	-	-	-	441	2
Utah	72	*	256	*	-	-
Vt.	270	*	612	*	465	*
Va.	(o)	(o)	(o)	(o)	(o)	(o)
Wash.	578	10	188	-	-	-
W.Va.	51	1	462	2	96	3
Wisc.	2,053	2	3,602	21	27	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-32. VIRAL AND RICKETTSIAL SEROLOGY: COMPLEMENT FIXATION
(Continued)

	Measles		Other	
	Exams	Positives	Exams	Positives
Ala.	227	1	2,607	7
Alaska	-	-	-	-
Ariz.	(k)	(k)	(k)	(k)
Ark.	40	14	491 (t)	267 (t)
Cal.	600	45	6,230 (u)	212 (u)
Colo.	*	*	*	*
Conn.	724	22	8,332	47
Del.	-	-	-	-
D.C.	-	-	901	677 (v)
Fla.	413	69	2,014	684 (w)
Ga.	24	-	1,886	442
Hawaii	956	14	5,265	64
Ida.	71	10	698	22
Ill.	-	-	2,195	83
Ind.	361	10	1,875	39
Ia.	167	76	2,915	1,051
Kans.	64	24	1,150	315 (w)
Ky.	30	-	291	17
La.	52	2	2,035	12
Me.	204	20	890	40 (x)
Md.	-	-	8,137	*
Mass.	557	83	896	144
Mich.	820	13	11,551	123
Minn.	-	-	5,237	2,573
Miss.	-	-	-	-
Mo.	136	-	1,998	7
Mont.	80	3	384	12
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	922	1	24,040 (y)	55
N.M.	-	-	48 (z)	*
N.Y.	(o)	*	(o)	*
N.C.	166	68	1,029 (aa)	316
N.D.	-	-	15	-
Ohio	114	40	2,090	621
Okla.	211	5	529	120
Ore.	450	7	3,177	378
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	813 (bb)	230 (bb)	-	-
S.D.	(s)	(s)	(s)	(s)
Tenn.	14	-	381	3
Tex.	79	1	-	-
Utah	16	*	615	*
Vt.	309	4	716 (cc)	7
Va.	(o)	(o)	(o)	(o)
Wash.	406	18	677	8
W.Va.	43	-	51	4 (w)
Wisc.	1,113	14	1,836	52
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-33. VIRAL AND RICKETTSIAL SEROLOGY: HI AND/OR HADI

	Rubella		Influenza A		Influenza B	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	17,902	12	172	8	-	-
Alaska	4,997	4,171	-	-	-	-
Ariz.	(k)	(k)	(k)	(k)	(k)	(k)
Ark.	216	176	-	-	-	-
Cal.	1,238	55	23	13	3	1
Colo.	*	*	*	*	*	*
Conn.	1,977	67	298	98	298	1
Del.	-	-	-	-	-	-
D.C.	26	25	-	-	-	-
Fla.	3,875	3,107	55	10	5	-
Ga.	2,908	2,169	22	10	-	-
Hawaii	642	19	1,068	113	872	5
Ida.	1,312	*	52	6	52	-
Ill.	1,274	7	-	-	-	-
Ind.	176	9	-	-	-	-
Ia.	40,935	33,696	-	-	-	-
Kans.	7,023	5,993	-	-	-	-
Ky.	6,228	5,661	18	1	18	-
La.	19,501	16,238	124	48	124	15
Me.	18,510	16,967	50	2	50	-
Md.	44,265 (dd)	*	187	*	187	*
Mass.	3,431	80	-	-	-	-
Mich.	23,525	19,186	-	-	-	-
Minn.	33,034	28,971	53	26	-	-
Miss.	1,507	*	-	-	-	-
Mo.	146,930	*	1,926	24	1,108	-
Mont.	16,734	19 (ee)	93	29	93	29
Nebr.	-	-	-	-	-	-
Nev.	551	254	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	115,342	11,999	6,516	58	5,927	1
N.M.	1,673	*	-	-	-	-
N.Y.	15,250 (ff)	*	(ff)	*	(ff)	*
N.C.	41,523	36,320	730	377	732	236
N.D.	16,650	*	196	58	-	-
Ohio	3,915	3,296	-	-	-	-
Okla.	110	*	1,215	91	-	-
Ore.	36,232	29,872 (gg)	1,014	106	1,014	1
Pa.	*	*	*	*	*	*
R.I.	18,165	*	-	-	-	-
S.C.	36,475	30,925	177	118	139	50
S.D.	(s)	(s)	(s)	(s)	(s)	(s)
Tenn.	15,142	13,907	263	37	263	4
Tex.	1,297	25	69	69	-	-
Utah	8,403	*	246	*	672	*
Vt.	5,725	4,866	-	-	-	-
Va.	671 (ff)	496 (ff)	(ff)	(ff)	(ff)	(ff)
Wash.	9,822	*	-	-	-	-
W.Va.	4,818	3,839	168	74	168	74
Wisc.	2,617	61	386	114	48	-
Wyo.	4,421	4,061	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	70	37	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-33. VIRAL AND RICKETTSIAL SEROLOGY: HI AND/OR HADI
(Continued)

	Measles		Other	
	Exams	Positives	Exams	Positives
Ala.	-	-	4	2
Alaska	-	-	-	-
Ariz.	(k)	(k)	(k)	(k)
Ark.	-	-	(t)	(t)
Cal.	110	-	345 (hh)	5
Colo.	*	*	*	*
Conn.	-	-	-	-
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	-	-	5,235 (ii)	169
Ga.	142	65	157	35
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill.	488	96	350	2
Ind.	-	-	-	-
Ia.	-	-	5,534	392
Kans.	-	-	2,066 (jj)	155
Ky.	-	-	-	-
La.	-	-	4,625 (kk)	23
Me.	-	-	-	-
Md.	472	*	702	*
Mass.	-	-	-	-
Mich.	-	-	-	-
Minn.	-	-	646	83
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	26,176 (11)	215
N.M.	-	-	-	-
N.Y.	(ff)	*	(ff)	*
N.C.	130	115	561 (ii)	18
N.D.	-	-	-	-
Ohio	-	-	20,144 (ii)	-
Okla.	-	-	397	18
Ore.	-	-	-	5
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	38	24	118 (mm)	39
S.D.	(s)	(s)	(s)	(s)
Tenn.	-	-	-	-
Tex.	-	-	-	-
Utah	9	*	309	*
Vt.	-	-	-	-
Va.	(ff)	(ff)	(ff)	(ff)
Wash.	-	-	-	-
W.Va.	-	-	-	-
Wisc.	125	4	261	32
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-34. VIRAL AND RICKETTSIAL SEROLOGY: NEUTRALIZATION AND FA

	Neutralization		FA	
	Exams	Positives	Exams	Positives
Ala.	20	10	-	-
Alaska	-	-	-	-
Ariz.	(k)	(k)	(k)	(k)
Ark.	-	-	-	-
Cal.	798	52	295	23
Colo.	*	*	*	*
Conn.	789	39	-	-
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	84	38	-	-
Ga.	341	47	-	-
Hawaii	196	12	-	-
Ida.	-	-	-	-
Ill.	-	-	-	-
Ind.	8	3	-	-
Ia.	3,916	427	-	-
Kans.	23	19	-	-
Ky.	-	-	-	-
La.	-	-	-	-
Me.	-	-	-	-
Md.	6,652	*	227	*
Mass.	1,684	799	12	2
Mich.	406	120	-	-
Minn.	91	74	1,308	77
Miss.	-	-	-	-
Mo.	197	5	-	-
Mont.	140	(nn)	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	22,820 (oo)	131	2,224	*
N.M.	-	-	-	-
N.Y.	2,437	*	207	*
N.C.	1,748	334	2,436	378
N.D.	-	-	-	-
Ohio	1,050	-	-	-
Okla.	-	-	-	-
Ore.	-	-	-	-
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	(s)	(s)	(s)	(s)
Tenn.	953	2	-	-
Tex.	-	-	68	-
Utah	26	*	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	612	9
W.Va.	-	-	591	55
Wisc.	125	23	3,628 (pp)	58
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	682	412

TABLE 2-35. VIRAL AND RICKETTSIAL SEROLOGY: AUSTRALIA ANTIGEN

	Counterelectrophoresis		Agar gel Diffusion		Complement Fixation	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	(k)	(k)	(k)	(k)	(k)	(k)
Ark.	2 (qq)	2 (qq)	(qq)	(qq)	(qq)	(qq)
Cal.	1,255 (qq)	108 (qq)	(qq)	(qq)	(qq)	(qq)
Colo.	*	*	*	*	*	*
Conn.	1,680	288	1,680	303	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	165	34	-	-	197	48
Ga.	457	51	-	-	-	-
Hawaii	-	-	-	-	115	15
Ida.	-	-	-	-	104	9
Ill.	7	2	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	526	57	-	-	-	-
Kans.	-	-	-	-	73	11
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	326	34	-	-	-	-
Md.	4,442	*	652	*	2,141	*
Mass.	-	-	-	-	-	-
Mich.	-	-	-	-	-	-
Minn.	817	97	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	30	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	956	260	258,480	3,372
N.M.	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	-	-	-	-	-	-
Ore.	225	35	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	194	43	234	57	1	1
S.D.	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Tex.	527	61	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-
Wisc.	956	138	-	-	386	56
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	138	5	-	-	-	-
V.I.	694	5	234	5	-	-

TABLE 2-35. VIRAL AND RICKETTSIAL SEROLOGY: AUSTRALIA ANTIGEN
(Continued)

	Immunodiffusion		Other		
	Exams	Positives	Exams	Positives	Type of Test
Ala.	-	-	109	14	Counterimmunoelectrophoresis
Alaska	-	-	-	-	
Ariz.	(k)	(k)	-	-	
Ark.	(qq)	(qq)	-	-	
Cal.	(qq)	(qq)	-	-	
Colo.	*	*	*	*	
Conn.	-	-	-	-	
Del.	-	-	-	-	
D.C.	-	-	-	-	
Fla.	-	-	-	-	
Ga.	51	51	-	-	
Hawaii	-	-	-	-	
Ida.	-	-	-	-	
Ill.	-	-	-	-	
Ind.	-	-	-	-	
Ia.	-	-	-	-	
Kans.	-	-	-	-	
Ky.	-	-	-	-	
La.	-	-	-	-	
Me.	-	-	-	-	
Md.	-	-	8,884	*	Radioimmunoassay, 4,442; Australia Antigen, 4,442
Mass.	-	-	-	-	
Mich.	-	-	44	6	Rheophoresis
Minn.	57	46	-	-	
Miss.	-	-	-	-	
Mo.	30	-	-	-	
Mont.	-	-	-	-	
Nebr.	-	-	-	-	
Nev.	-	-	-	-	
N.H.	-	-	-	-	
N.J.	-	-	137,607	3,867	Radioimmunoassay, 85,000 exams, 550 positives; Immunoelectroosmophoresis, 15,975 exams, 3,259 positives; RPHA, 36,632 exams, 58 positives
N.M.	-	-	-	-	
N.Y.	-	-	-	-	
N.C.	-	-	-	-	
N.D.	-	-	-	-	
Ohio	-	-	-	-	
Okla.	-	-	-	-	
Ore.	-	-	194	70	Rheophoresis
Pa.	*	*	*	*	
R.I.	-	-	-	-	
S.C.	-	-	-	-	
S.D.	-	-	-	-	
Tenn.	-	-	-	-	
Tex.	-	-	-	-	
Utah	-	-	-	-	
Vt.	-	-	-	-	
Va.	-	-	-	-	
Wash.	-	-	-	-	
W.Va.	-	-	-	-	
Wisc.	61	28	1,273	40	Radioimmunoassay, 317 exams, 40 positives; Australia Antigen, 956 exams
Wyo.	-	-	-	-	
Guam	-	-	-	-	
P.R.	-	-	-	-	
V.I.	-	-	-	-	

TABLES 2-30 - 2-35. FOOTNOTES

(a) Immunodiffusion (M & H Bands) test for Histoplasmosis.

(b) Cryptococcus, Aspergillus.

(c) Cryptococcus.

(d) Yeast phase included with Mycelial.

(e) Includes Histo, ID; Histo, LA, Crypto-Direct FA.

(f) Cryptococcus, Cysticercosis.

(g) Amebiasis, 22 exams, 3 positives; Malaria, 9 exams, 0 positives; VLM, 14 exams, 2 positives.

(h) Amebiasis.

(i) CF CAM, 250 exams, 16 positives; P.E., 251 exams, 25 positives.

(j) In addition, 25 sent to CDC.

(k) Viral and Rickettsial reported as follows:

	Specimens	Examinations	Significant
	5,310		
CNS		1,256	39
Exanthems		137	5
Miscellaneous		249	15
Respiratory		2,726	49
Rickettsial		25	-
Enteroviruses		54	5
Rubella		4,088	3,320

(l) Respiratory includes: Adenovirus, Respiratory Syncytial, Parainfluenza 1-4, Mycoplasma pneumoniae.

(m) Adenoviruses, Mycoplasma, Parainfluenza 1 and 3.

(n) Adenovirus.

(o) Complement fixation reported as one total, not broken down by type.

(p) Eaton Agent.

(q) Mumps includes Vaccinia, CMV, Psittacosis - LGV, LCM.

(r) Respiratory includes Influenza A, Influenza B, Parainfluenza, PPLO, Adenovirus, Q Fever, and RSV.

(s) Exams broken down as follows: Respiratory diseases: 130 exams, 68 positives; Encephalitis: 25 exams, 10 positives; Arboviruses, 157 exams, 85 positives; Exanthems, 11,306 exams, positives not shown; Enteroviruses, 7 exams, no positives; Rickettsia, 5 exams, 3 positives; Rabies titer, 13 exams, 1 positive.

(t) This represents other Viral and Rickettsial which includes the following: Rickettsial group, 69 exams, 11 positives; CMV CF, 78 exams, 45 positives; CMV IHA, 80 exams, 52 positives; Herpes CF, 128 exams, 81 positives; Herpes IHA, 89 exams, 59 positives; Psittacosis CF, 25 exams, 6 positives; Epstein-Barr, 12 exams, 6 positives; Varicella-zoster, 10 exams, 7 positives.

(u) Includes: Q-fever, Typhus, Rickettsialpox, Psittacosis - LGV, Herpes simplex, Varicella-zoster, Cytomegalovirus, Vaccinia, Rubella.

(v) LGV.

(w) Rickettsial.

(x) CMV, Varicella-zoster, Polio.

(y) CNS, 2,928 exams; Rubella, 11,776 exams; Herpes (Type 1), 9,336 exams.

(z) WEE, St. Louis, VEE.

TABLES 2-30 - 2-35. FOOTNOTES
(Continued)

(aa) Herpes, Vaccinia, LCM, LGV, CMV, Varicella.

(bb) Measles includes Herpes, Spotted Fever, Murine Typhus.

(cc) Mycoplasma pneumoniae, 477 exams.

(dd) Primary specimens for many of these tests are included under prenatal specimens for Syphilis Serology and Rh.

(ee) Cases confirmed.

(ff) HI and/or HAdI reported as one total, not broken down by type.

(gg) Screening = 1:8 or greater.

(hh) Mumps, Arbovirus, other.

(ii) Arboviruses.

(jj) WEE, 1,033 exams, 135 positives; St. Louis encephalitis, 1,033 exams, 20 positives.

(kk) This total includes Bird Bloods, 4,284 exams, 21 positives.

(ll) CNS.

(mm) Mumps, Parainfluenza.

(nn) For Polio immunity.

(oo) In addition, 3,936 Weil-Felix exams performed.

(pp) Includes: FA (Indirect), 2,260 exams, 25 positives; FANA, 1,368 exams, 33 positives.

(qq) Total exams, not broken down by type, shown under Counterelectrophoresis.

TABLE 2-36. HEMATOLOGY OR BLOOD BANK: TOTAL SPECIMENS AND EXAMINATIONS

	Hematology		Immunohematology		Hemoglobinopathy	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	-	-	11,373	12,257	81,679	90,956
Alaska	-	-	3,750	8,361	-	-
Ariz.	-	-	-	-	8,795	10,500
Ark.	11,828	10,364	2,657	5,147	7,053	6,995
Cal.	2,221	2,221	-	-	-	-
Colo.	*	*	*	*	*	*
Conn.	1,806	6,791	-	-	6,870	7,838
Del.	739	1,479	-	-	1,801	1,790
D.C.	14,210	42,630	2,974	6,277	6,066	6,928
Fla.	71,008	69,329	23,373	23,373	3,782	3,782
Ga.	-	-	31,277	56,663	7,897	8,491
Hawaii	14	14	-	-	-	-
Ida.	2,160	3,134 (a)	-	-	-	-
Ill.	-	-	11	22	-	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	-	-	9,711	20,047	8,847 (b)	8,847
La.	2,253	2,253	-	-	1,257	1,257
Me.	-	-	1,427	1,427	-	-
Md.	40,048	79,115	16,805	23,564	57,784	58,762
Mass.	-	-	-	-	-	-
Mich.	13,364	34,244	6,607	16,376	-	-
Minn.	-	-	-	-	-	-
Miss.	58,862	67,975	(c)	14,453	24,010	24,010
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	3,518	7,099	658	3,924	-	-
N.H.	4,412	12,895	-	-	-	-
N.J.	-	-	104 (d)	208	-	-
N.M.	-	-	3,031	3,031	97	97
N.Y.	2,524	373	3,278	10,401	834	834
N.C.	950	950	-	-	-	-
N.D.	-	-	11,313	17,166	-	-
Ohio	-	-	863	1,726	532	532
Okla.	141	352	4,410	6,250	22,756	25,433
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	8,137
S.C.	24,685	44,155	16,466	21,800	34,201	38,940
S.D.	-	-	5,599	5,599	-	-
Tenn.	-	-	19,195	38,943	-	-
Tex.	2,892	2,603	-	-	- (e)	2,890
Utah	400 (f)	1,987	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	5,616	12,745	-	-
Wash.	588	6,357	-	-	5,769	5,769
W.Va.	195	586	-	-	340	340
Wisc.	312	420	5,646	16,965	293	293
Wyo.	-	-	-	-	-	-
Guam	5,983	14,765	787	1,574	-	-
P.R.	27,047	73,816	10,478	10,478	202	202
V.I.	-	-	-	-	-	-

TABLE 2-37. HEMATOLOGY EXAMINATIONS

	Hematocrit	Hemoglobin	Cell Counts	Sedimentation Rate	Smears, "L-E" Cells	Smears, Sickle Cells	Other
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	10,107	48	209	-	-	-	-
Cal.	332	611	796	-	-	73	409 (g)
Colo.	*	*	*	*	*	*	*
Conn.	1,594	1,805	2,790	1	-	-	601 (h)
Del.	650	727	102	-	-	-	-
D.C.	14,210	14,210	14,210	-	-	-	-
Fla.	778	68,280	256	5	-	10	-
Ga.	-	-	-	-	-	-	-
Hawaii	-	14	-	-	-	-	-
Ida.	2,130	-	-	1,004	-	-	-
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-
La.	495	754	972	27	-	5	-
Me.	-	-	-	-	-	-	-
Md.	32,939	30,759	14,197	1,220	-	-	-
Mass.	-	-	-	-	-	-	-
Mich.	7,788	12,517	12,918	1,021	-	-	-
Minn.	-	-	-	-	-	-	-
Miss.	1,510	58,762	7,703	-	-	-	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	3,491	805	2,274	-	-	529 (i)	-
N.H.	4,264	4,349	4,191	79	12	-	-
N.J.	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	149	167	57	-	-	-	-
N.C.	929	21	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-
Okla.	125	125	84	2	-	16	-
Ore.	-	-	-	-	-	-	-
Pa.	*	*	*	*	*	*	*
R.I.	-	-	-	-	-	-	-
S.C.	19,505	12,485	11,205	960	-	-	-
S.D.	-	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-	-
Tex.	-	2,603	-	-	-	-	-
Utah	398	398	1,190	1	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	5,916	147	147	147	-	-	-
W.Va.	195	195	195	1	-	-	-
Wisc.	38	40	70	1	17	254	-
Wyo.	-	-	-	-	-	-	-
Guam	5,708	5,436	1,794	69	1	1	1,756 (j)
P.R.	26,184	25,974	20,795	585	164	114	-
V.I.	-	-	-	-	-	-	-

TABLE 2-38. IMMUNOHEMATOLOGY EXAMINATIONS

	Blood Group (ABO)	Blood Type (Rh)	Other Blood Factors	Rh Antibody	Other Antibodies
Ala.	-	11,451	-	806	-
Alaska	3,750	4,611	-	-	-
Ariz.	-	-	-	-	-
Ark.	2,141	2,657	294	55	-
Cal.	-	-	-	-	-
Colo.	*	*	*	*	*
Conn.	-	-	-	-	-
Del.	-	-	-	-	-
D.C.	2,974	2,974	-	329	-
Fla.	466	20,946	1,961	-	-
Ga.	24,720	30,926	-	1,017	-
Hawaii	-	-	-	-	-
Ida.	-	-	-	-	-
Ill.	11	11	-	-	-
Ind.	-	-	-	-	-
Ia.	-	-	-	-	-
Kans.	-	-	-	-	-
Ky.	-	-	-	9,123	10,924
La.	-	-	-	-	-
Me.	649	778	-	-	-
Md.	2,726	16,537	172	3,995	134
Mass.	-	-	-	-	-
Mich.	6,607	9,150	259	360	-
Minn.	-	-	-	-	-
Miss.	1,470	12,983	-	-	-
Mo.	-	-	-	-	-
Mont.	-	-	-	-	-
Nebr.	-	-	-	-	-
Nev.	1,962	1,962	-	-	-
N.H.	-	-	-	-	-
N.J.	104	104	-	-	-
N.M.	1,519	1,512	-	-	-
N.Y.	3,278	3,278	137	-	3,708 (k)
N.C.	-	-	-	-	-
N.D.	5,853	11,313	-	-	-
Ohio	863	863	-	-	-
Okla.	1,881	4,369	-	-	-
Ore.	-	-	-	-	-
Pa.	*	*	*	*	*
R.I.	-	-	-	-	-
S.C.	1,505	19,743	-	552	-
S.D.	-	5,599	-	-	-
Tenn.	19,195	19,492	-	256	-
Tex.	-	-	-	-	-
Utah	-	-	-	-	-
Vt.	-	-	-	-	-
Va.	5,577	5,577	-	803	788
Wash.	-	-	-	-	-
W.Va.	-	-	-	-	-
Wisc.	43	9,594	1,319	6,009 (1)	(1)
Wyo.	-	-	-	-	-
Guam	787	787	-	-	-
P.R.	5,096	5,077	-	305	-
V.I.	-	-	-	-	-

TABLE 2-39. HEMOGLOBINOPATHY EXAMINATIONS

	Hemoglobin Electrophoresis		Solubility Testing		Other	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	81,679	82,596	-	8,360	-	-
Alaska	-	-	-	-	-	-
Ariz.	8,795	10,500	-	-	-	-
Ark.	7,053	6,995	-	-	-	-
Cal.	-	-	-	-	-	-
Colo.	*	*	*	*	*	*
Conn.	6,819	7,289	-	470	51	79 (m)
Del.	283 (n)	272	1,518 (o)	1,518	-	-
D.C.	6,066	6,066	-	862 (p)	-	-
Fla.	3,727	3,727	55 (q)	55	-	-
Ga.	7,897	7,916	-	575	-	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	5,204	5,204	1,561	1,561	2,082	2,082 (r)
La.	1,257	1,257	-	-	-	-
Me.	-	-	-	-	-	-
Md.	52,637	52,637	5,147	5,147	-	978 (s)
Mass.	-	-	-	-	-	-
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	24,010	24,010	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	-	-	-
N.M.	97	97	-	-	-	-
N.Y.	274	274	274	274	286 (t)	286
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	469	469	63	63	-	-
Okla.	22,756	22,756	-	1,382	-	1,295 (u)
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	3,780	-	3,980	-	377 (v)
S.C.	34,069	38,807	132	133	-	-
S.D.	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Tex.	-	-	- (c)	2,890	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	5,769	5,769	-	-	-	-
W.Va.	170	170	170	170	-	-
Wisc.	39	39	254	254	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	64	64	12	12	126	126 (w)
V.I.	-	-	-	-	-	-

TABLE 2-40. PATHOLOGIC ANATOMY

	Total Specimens	Total Exams	Cytology, Exfoliative Specimens	Cytology, Exfoliative Exams	Cytology, Exfoliative Positives
Ala.	34,887	69,049 (x)	34,887	69,049	43
Alaska	-	-	-	-	-
Ariz.	-	-	-	-	-
Ark.	-	-	-	-	-
Cal.	*	*	*	*	*
Colo.	*	*	*	*	*
Conn.	-	-	-	-	-
Del.	39,227	39,227	39,227	39,227	293
D.C.	55,530	55,546	55,446	55,446	42
Fla.	-	-	-	-	-
Ga.	-	-	-	-	-
Hawaii	-	-	-	-	-
Ida.	137	149	-	-	-
Ill.	-	-	-	-	-
Ind.	-	-	-	-	-
Ia.	-	-	-	-	-
Kans.	-	-	-	-	-
Ky.	-	-	-	-	-
La.	13,999	13,999	3,332	3,332	2
Me.	-	-	-	-	-
Md.	52,202	52,947	52,202	52,947	* (y)
Mass.	-	-	-	-	-
Mich.	-	-	-	-	-
Minn.	214	1,195	-	-	-
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	-	-	-	-	-
Nebr.	-	-	-	-	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	-	-	-	-	-
N.M.	-	-	-	-	-
N.Y.	15,355	*	12,209	12,209	197
N.C.	109,820	109,820	109,820	109,820	475
N.D.	-	-	-	-	-
Ohio	-	-	-	-	-
Okla.	-	-	- (z)	-	-
Ore.	-	-	-	-	-
Pa.	*	*	*	*	*
R.I.	-	-	-	-	-
S.C.	37	40	-	-	-
S.D.	-	-	-	-	-
Tenn.	-	-	-	-	-
Tex.	-	-	-	-	-
Utah	-	-	-	-	-
Vt.	- (aa)	-	-	-	-
Va.	-	-	-	-	-
Wash.	-	-	-	-	-
W.Va.	26,946	51,840	26,946	51,840	48
Wisc.	154,358	167,382	148,944	148,944	1,681
Wyo.	-	-	-	-	-
Guam	5,618	5,618	5,618	5,618	186
P.R.	-	-	-	-	-
V.I.	20	20	-	-	-

TABLE 2-40. PATHOLOGIC ANATOMY
(Continued)

	Cytology, Chromosome			Tissue, Human, Micro		Tissue, Animal, Micro	
	Specimens	Exams	Positives	Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*
Colo.	*	*	*	*	*	*	*
Conn.	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-
D.C.	-	-	-	84	100	-	-
Fla.	-	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-
Ida.	118	128	48	19	21	-	-
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-
La.	-	-	-	4,649	4,649	6,018	6,018
Me.	-	-	-	-	-	-	-
Md.	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-
Mich.	-	-	-	-	-	-	-
Minn.	214	1,195	57	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	-	2,590	*	556	*
N.C.	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-
Okla.	-	-	-	-	-	-	-
Ore.	-	-	-	-	-	-	-
Pa.	*	*	*	*	*	*	*
R.I.	-	-	-	-	-	-	-
S.C.	37	40	7	-	-	-	-
S.D.	-	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-
Wisc.	565	565	95	4,698	17,722	151	151
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-
V.I.	20	20	2	-	-	-	-

TABLES 2-36 - 2-40. FOOTNOTES

(a) Associated with TB outpatient clinics and family planning.

(b) Covers period January 22 - June 30, 1973.

(c) Included in Hematology.

(d) Routine diagnostic work not performed.

(e) Same as Hematology specimens.

(f) Utah Community Studies Project (Pesticides).

(g) Prothrombin Time, 315; Smears, differential, 94.

(h) Differential smears.

(i) Reagent, not smears.

(j) Includes 1,740 differential.

(k) Antibody sensitization, 3,278; Rh + other antibodies, special investigation, 430.

(l) Atypical blood factor antibodies represented by one total.

(m) Citrate agar electrophoresis, 24 exams; HgB A_2 electrophoresis, 2; HgB A_2 quantitation (cellulose column), 2; Blood agar plates for quality control, 51.

(n) Program started January 1, 1973.

(o) Program started August 1972.

(p) Basic solubility testing is performed in clinic labs at neighborhood health centers with only some repeat work done in central lab; over 31,000 solubility tests performed in clinic labs during report period.

(q) Does not include specimens tested in county health department clinics.

(r) Citrate agar.

(s) Solubility for other than S.

(t) A_2 quantitation, 12; fetal hemoglobin, 274.

(u) Densitometer scan, 916; citrate agar electrophoresis, 379.

(v) Confirmation of Hgb electrophoresis by Helena method.

(w) Meta bisulfite.

(x) Laboratory usually receives two slides from each patient.

(y) Follow-up not completed.

(z) Performed by University of Oklahoma Health Science Center through contractual arrangement with the State Health Department.

(aa) Contractual service with the University of Vermont College of Medicine.

TABLE 2-41. CLINICAL CHEMISTRY: TOTAL SPECIMENS AND EXAMINATIONS

	Total Specimens	Total Exams
Ala.	88,384	90,106
Alaska	3,453	3,453
Ariz.	-	-
Ark.	20,306	24,606
Cal.	*	18,548
Colo.	*	*
Conn.	132,557	136,987
Del.	17,021	22,255
D.C.	19,905	30,686
Fla.	220,068	274,080
Ga.	77,225	77,478
Hawaii	7,190	7,494
Ida.	12,944	12,944
Ill.	-	-
Ind.	-	-
Ia.	3,255	3,279
Kans.	324	324
Ky.	41,155	41,555
La.	55,734	55,734
Me.	16,288	16,288
Md.	145,109	361,242
Mass.	271,705	1,023,574
Mich.	130,392	185,919
Minn.	180	442
Miss.	154,539	154,539
Mo.	42,807	45,540
Mont.	10,963	10,841
Nebr.	1,167	1,167
Nev.	16,537	19,369
N.H.	34,931	40,949
N.J.	92,028	169,305
N.M.	13,484	13,484
N.Y.	158,175	237,982
N.C.	147,724	410,179
N.D.	12,653	12,653
Ohio	360,010	523,086
Okla.	35,551	35,491
Ore.	77,932	418,201
Pa.	*	*
R.I.	46,788	53,565
S.C.	70,965	105,313
S.D.	107	114
Tenn.	71,511	71,511
Tex.	170,332	170,443
Utah	525	9,228
Vt.	29,303	36,393
Va.	98,648	99,141
Wash.	22,142	22,142
W.Va.	38,432	162,291
Wisc.	141,316	149,652
Wyo.	-	-
Guam	2,399	4,195
P.R.	75,686	75,686
V.I.	4,717	5,698

TABLE 2-42. CLINICAL CHEMISTRY: BLOOD

	Total Blood Specimens	Total Blood Exams	Glucose	Cholesterol	Urea Nitrogen	Uric Acid	Transaminase
Ala.	3,585	3,585	3,416	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	2,016	2,792	1,033	28	455	365	853
Cal.	*	6,078	1,676	743	656	497	-
Colo.	*	*	*	*	*	*	*
Conn.	13,888	18,065	5,480	1,943	1,392	1,396	-
Del.	-	-	-	-	-	-	-
D.C.	16,651	27,113	7,399	7,167	7,399	-	-
Fla.	120,096	120,096	56,227	20,210	3,859	18,847	472
Ga.	5,918	5,877	3,656	2,221	-	-	-
Hawaii	1,216	1,261	1,216	-	-	-	-
Ida.	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	1,625	1,625	1,625	-	-	-	-
La.	-	-	-	-	-	-	-
Me.	-	-	-	-	-	-	-
Md.	70,190	65,068	20,963	3,027	6,092	1,460	5,046
Mass.	-	-	-	-	-	-	-
Mich.	10,830	26,206	8,624	436	9,144	498	285
Minn.	-	-	-	-	-	-	-
Miss.	154,539	154,539	153,208	-	1,331	-	-
Mo.	1,370	1,370	1,370	-	-	-	-
Mont.	1,643	1,643	-	1,643	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	8,356	13,199	6,222	109	5,748	146	-
N.J.	8,034	8,034	2,547	146	88	30	2,396
N.M.	-	-	-	-	-	-	-
N.Y.	2,144	3,151	324	236	360	200	222
N.C.	40,250	40,492	38,934	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	38,348	82,803	56,089	8,686	8,970	9,058	-
Okla.	2,294	2,306	520	1,739	-	-	-
Ore.	-	-	-	-	-	-	-
Pa.	*	*	*	*	*	*	*
R.I.	26,781	33,558	20,453	-	-	-	539
S.C.	2,475	10,961	2,447	199	1,621	167	2,378
S.D.	107	114	-	-	-	-	-
Tenn.	9,027	9,027	9,027	-	-	-	-
Tex.	17,737	17,737	17,737	-	-	-	-
Utah	- (a)	7,473	400	397	398	398	794
Vt.	29,303	36,393	21,746	7,557	-	3,545	-
Va.	19,407	19,407	19,407	-	-	-	-
Wash.	3,532	3,532	147	147	245	147	294
W.Va.	4,320	4,140	3,780	-	-	-	-
Wisc.	42,687	51,023	24,553	11,621	1,190	2,735	233
Wyo.	-	-	-	-	-	-	-
Guam	1,055	2,263	955	180	314	234	186
P.R.	51,253	51,253	29,797	5,521	8,478	1,615	5,842
V.I.	2,538	2,887	2,887	-	-	-	-

TABLE 2-42. CLINICAL CHEMISTRY: BLOOD (Continued)

	Other
Ala.	169 (b)
Alaska	-
Ariz.	-
Ark.	58
Cal.	2,506 (c)
Colo.	*
Conn.	7,854
Del.	-
D.C.	5,148
Fla.	20,481 (d)
Ga.	-
Hawaii	45 (e)
Ida.	-
Ill.	-
Ind.	-
Ia.	-
Kans.	-
Ky.	-
La.	-
Me.	-
Md.	28,480
Mass.	-
Mich.	7,219
Minn.	-
Miss.	-
Mo.	-
Mont.	-
Nebr.	-
Nev.	-
N.H.	974
N.J.	2,827
N.M.	-
N.Y.	1,809
N.C.	1,558
N.D.	-
Ohio	-
Okla.	47
Ore.	-
Pa.	*
R.I.	12,566 (g)
S.C.	4,149
S.D.	114 (b)
Tenn.	-
Tex.	-
Utah	5,086
Vt.	3,545 (f)
Va.	-
Wash.	2,552
W.Va.	360
Wisc.	10,691
Wyo.	-
Guam	394
P.R.	-
V.I.	-

TABLE 2-43. CLINICAL CHEMISTRY: URINE

	Specimens	Exams
Ala.	-	-
Alaska	-	-
Ariz.	-	-
Ark.	445	3,985
Cal.	*	18
Colo.	*	*
Conn.	12,126	12,379
Del.	1,277	6,511
D.C.	-	-
Fla.	3,583	3,583
Ga.	-	-
Hawaii	5,917	6,060
Ida.	-	-
Ill.	-	-
Ind.	-	-
Ia.	-	-
Kans.	293	293
Ky.	-	-
La.	1,656	1,656
Me.	-	-
Md.	20,468	20,468
Mass.	57,779	395,267
Mich.	8,512	30,430
Minn.	-	-
Miss.	-	-
Mo.	-	-
Mont.	-	-
Nebr.	-	-
Nev.	596	3,185
N.H.	4,423	4,520
N.J.	-	-
N.M.	-	-
N.Y.	933	933 (f)
N.C.	-	-
N.D.	-	-
Ohio	101	101
Okla.	15	15
Ore.	-	-
Pa.	*	*
R.I.	-	-
S.C.	29,600	55,456
S.D.	-	-
Tenn.	-	-
Tex.	-	-
Utah	400 (a)	1,630
Vt.	-	-
Va.	-	-
Wash.	2,581	2,581
W.Va.	422	422
Wisc.	881	881
Wyo.	-	-
Guam	-	-
P.R.	12,554	12,554
V.I.	1,178	1,810

TABLE 2-44. CLINICAL CHEMISTRY: OTHER

	Specimens	Exams
Ala.	-	-
Alaska	-	-
Ariz.	-	-
Ark.	-	-
Cal.	-	-
Colo.	*	*
Conn.	-	-
Del.	-	-
D.C.	-	-
Fla.	-	-
Ga.	-	-
Hawaii	57	173
Ida.	-	-
Ill.	-	-
Ind.	-	-
Ia.	-	-
Kans.	-	-
Ky.	840	1,240
La.	-	-
Me.	-	-
Md.	-	-
Mass.	-	-
Mich.	39	306
Minn.	-	-
Miss.	-	-
Mo.	-	-
Mont.	-	-
Nebr.	-	-
Nev.	-	-
N.H.	20	20
N.J.	-	-
N.M.	-	-
N.Y.	2,354	2,354
N.C.	-	-
N.D.	-	-
Ohio	1	1
Okla.	4	4
Ore.	-	-
Pa.	*	*
R.I.	2,528 (h)	2,528
S.C.	3	9
S.D.	-	-
Tenn.	-	-
Tex.	-	-
Utah	125 (i)	125
Vt.	-	-
Va.	6	6
Wash.	441	441
W.Va.	-	-
Wisc.	109	109
Wyo.	-	-
Guam	-	-
P.R.	6,815	6,815
V.I.	-	-

TABLE 2-45. CLINICAL CHEMISTRY: PHENYLKETONURIA AND OTHER INBORN ERRORS

	PKU			Other Inborn Errors		
	Specimens	Exams	Positives (j)	Specimens	Exams	Positives
Ala.	84,799	86,521	2 (k)	-	-	-
Alaska	1,729	1,729	3	1,724	1,724 (1)	-
Ariz.	-	-	-	-	-	-
Ark.	17,845	17,829	83	-	-	-
Cal.	*	2,452	*	*	10,000	*
Colo.	*	*	*	*	*	*
Conn.	68,621	68,621	5	37,922	37,922 (m)	1
Del.	15,744	15,744	12	-	-	-
D.C.	-	-	-	3,254	3,573	319
Fla.	78,385	78,385	*	-	-	-
Ga.	71,307	71,601	458	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	12,944	12,944	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	3,255	3,279	12	-	-	-
Kans.	31	31	20	-	-	-
Ky.	38,690	38,690	53	-	-	-
La.	54,078	54,078	70	-	-	-
Me.	16,288	16,288	1	-	-	-
Md.	54,451	54,451	5	-	221,255	*
Mass.	75,799	75,799	10	138,127	552,508	5
Mich.	103,149	102,937	19	-	-	-
Minn.	180	442	28	-	-	-
Miss.	-	-	-	-	-	-
Mo.	41,437	44,170	36	-	-	-
Mont.	9,320	9,198	-	-	-	-
Nebr.	1,167	1,167	-	-	-	-
Nev.	15,941	16,184	121	-	-	-
N.H.	16,163	17,241	1	-	-	-
N.J.	83,765	160,126	625	-	-	-
N.M.	13,484	13,484	1	-	-	-
N.Y.	74,444	74,556	78	74,444	145,420	3
N.C.	84,748 (n)	82,812	3 (o)	- (n)	1,540	-
N.D.	12,653	12,653	5	-	-	-
Ohio	160,780	160,793	17 (p)	160,780	210,890 (q)	-
Okla.	33,238	33,166	516	-	-	-
Ore.	77,932	418,201 (r)	53 (r)	(r)	(r)	(r)
Pa.	*	*	*	*	*	*
R.I.	12,949	12,949	1	4,530 (s)	4,530	-
S.C.	38,887	38,887	-	-	-	-
S.D.	-	-	-	-	-	-
Tenn.	62,484	62,484	788	-	-	-
Tex.	152,595	152,706	1,560	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	79,235	79,728	336	-	-	-
Wash.	15,588	15,588	133 (t)	-	-	-
W.Va.	22,089	22,039	55	174	174	2
Wisc.	9	9	4	-	-	-
Wyo.	-	-	-	-	-	-
Guam	1,295	1,295	7	49	637	-
P.R.	-	-	-	-	-	-
V.I.	1,001	1,001	-	-	-	-

TABLE 2-46. CLINICAL CHEMISTRY: MULTIPHASIC SCREENING

	Specimens	Exams
Ala.	-	-
Alaska	-	-
Ariz.	-	-
Ark.	-	-
Cal.	-	-
Colo.	*	*
Conn.	-	-
Del.	-	-
D.C.	-	-
Fla.	18,004	72,016
Ga.	-	-
Hawaii	-	-
Ida.	-	-
Ill.	-	-
Ind.	-	-
Ia.	-	-
Kans.	-	-
Ky.	-	-
La.	-	-
Me.	-	-
Md.	-	-
Mass.	-	-
Mich.	7,862	26,040
Minn.	-	-
Miss.	-	-
Mo.	-	-
Mont.	-	-
Nebr.	-	-
Nev.	-	-
N.H.	5,969	5,969
N.J.	229	1,145
N.M.	-	-
N.Y.	3,856	11,568
N.C.	22,726	285,335
N.D.	-	-
Ohio	- (u)	68,498
Okla.	-	-
Ore.	-	-
Pa.	*	*
R.I.	-	-
S.C.	-	-
S.D.	-	-
Tenn.	-	-
Tex.	-	-
Utah	-	-
Vt.	-	-
Va.	-	-
Wash.	-	-
W.Va.	11,427	135,516
Wisc.	97,630	97,630
Wyo.	-	-
Guam	-	-
P.R.	5,064	5,064
V.I.	-	-

TABLE 2-47. SANITARY AND ENVIRONMENTAL MICROBIOLOGY: TOTAL SPECIMENS AND EXAMINATIONS

	Total Specimens	Total Exams
Ala.	101,393	243,437
Alaska	11,079	11,154
Ariz.	38,916	48,497
Ark.	40,571	54,246
Cal.	14,187	20,901
Colo.	*	*
Conn.	27,984	78,018
Del.	8,137	48,640
D.C.	2,690	8,187
Fla.	212,124	262,962
Ga.	539	539
Hawaii	19,276	40,537
Ida.	29,588	46,166
Ill.	56,946	85,503
Ind.	53,213	63,788
Ia.	44,871	142,910
Kans.	41,845	45,591
Ky.	26,701	42,752
La.	208,592	208,592
Me.	27,473	30,869
Md.	76,603	129,934
Mass.	141	*
Mich.	88,085	118,390
Minn.	71	284
Miss.	63,996	86,224
Mo.	77,291	125,058
Mont.	12,764	14,874
Nebr.	21,697	24,109
Nev.	20,037	45,700
N.H.	-	-
N.J.	18,048	31,527
N.M.	23,380	50,721
N.Y.	17,337	34,043
N.C.	40,858	41,810
N.D.	19,748	47,027
Ohio	62,398	65,446
Okla.	52,194	52,127
Ore.	38,913	37,932
Pa.	*	*
R.I.	4,810	13,568
S.C.	68,234	91,320
S.D.	16,663	27,522
Tenn.	66,801	93,676
Tex.	29,152	61,260
Utah	21,058	30,731
Vt.	22,685	25,185
Va.	63,602	90,811
Wash.	19,500	29,502
W.Va.	27,596	36,143
Wisc.	57,974	59,074
Wyo.	8,207	8,907
Guam	979	2,848
P.R.	16,021	22,727
V.I.	2,880	6,254

TABLES 2-41 - 2-47. FOOTNOTES

(a) Utah Community Studies Project (Pesticides); specimens recorded under Hematology.

(b) Cholinesterase.

(c) Bilirubin, 443; Creatinine, 392; Total Protein, 339; Chloride, 257; Sodium, 190; Potassium, 190; Triglycerides, 280; Calcium, 415.

(d) Triglycerides, 18,173.

(e) Dilantin Drug Level.

(f) Creatinine.

(g) Bilirubin, 1,051; Lead, 10,139; Hemoglobin, 1,376.

(h) Dry-Paks.

(i) Stool guaiac.

(j) 4 mg % or above.

(k) Confirmed positives.

(l) MSUD.

(m) Galactosemia.

(n) Same specimens for PKU and Other Inborn Errors.

(o) Three confirmed cases - no record for number of repeats above 4 mg %.

(p) Classical, 14; HPA, 3.

(q) Methionine, 111,599; galactose, 74,970; histidine, 23,765.

(r) Tyrosine, methionine, galactosemia, MSUD, A-1 antitrypsin, hereditary angioneurotic edema included in totals under PKU.

(s) MSUD, 2,265; galactosemia, 2,265.

(t) Of these positives, 124 are follow-up tests on known PKU's; the other 9 were less than 4 mg % on second sample.

(u) Listed under "Blood."

TABLE 2-48. SANITARY MICROBIOLOGY: WATER

	Drinking Water				
	Total Drinking Water Specimens	Total Drinking Water Exams	Standard Plate Count (on finished water)	Finished Water Positives Coliforms	Iron Bacteria
Ala.	47,786	47,291	-	5,257	-
Alaska	10,906	11,024	227	1,262	*
Ariz.	35,866	37,484	-	1,228	-
Ark.	31,182	31,182	-	5,620	-
Cal.	13,568	19,702	70	*	*
Colo.	*	*	*	*	*
Conn.	6,038	6,743	2	*	3
Del.	5,494	6,395	3	447	-
D.C.	1,275	1,275	1,275	6	-
Fla.	138,749	138,749	-	*	-
Ga.	-	-	-	-	-
Hawaii	6,890	10,608	-	591	-
Ida.	19,447	19,927	-	2,634	-
Ill.	27,161	29,056	-	-	50
Ind.	33,706	33,065	33	2,502	-
Ia.	38,937	116,682	2	7,213	437
Kans.	36,574	36,574	-	717	-
Ky.	17,079	21,350	-	5,203	-
La.	53,406	53,406	-	-	-
Me.	26,371	29,767	-	6,852	-
Md.	31,596	39,140	-	-	-
Mass.	-	-	-	-	-
Mich.	57,979	65,400	-	5,692	-
Minn.	-	-	-	-	-
Miss.	32,491	32,491	6,498	*	*
Mo.	67,901	71,075	1,283	2,539	-
Mont.	12,008	13,553	1	957	1
Nebr.	19,809	19,809	-	1,462	-
Nev.	14,780	17,249	-	3,060	-
N.H.	-	-	-	-	-
N.J.	8,684	13,026	-	-	-
N.M.	15,346	28,990	-	69 (a)	2
N.Y.	14,297	28,271	-	*	5
N.C.	38,305	38,348	-	5,270	21
N.D.	6,287	6,287	-	-	-
Ohio	58,003	58,003	-	10,769	-
Okla.	35,205	35,139	-	-	-
Ore.	34,586	33,616	-	4,175	-
Pa.	*	*	*	*	*
R.I.	-	-	-	-	-
S.C.	42,547	43,908	-	5,139	-
S.D.	15,484	19,610	-	-	-
Tenn.	39,454 (b)	39,454 (b)	-	7,003	-
Tex.	24,215	27,143	-	2,837	-
Utah	15,149	15,824	-	2,113	-
Vt.	20,185	20,185	-	5,046	-
Va.	54,220	66,449	-	-	-
Wash.	16,177	22,753	-	3,236	36
W.Va.	20,165	20,165	-	2,568	-
Wisc.	52,883	52,883	-	6,413	*
Wyo.	7,881	8,314	-	433	-
Guam	10	16	-	1	-
P.R.	6,600	7,227	-	*	-
V.I.	1,642	1,652	-	188	-

TABLE 2-48. SANITARY MICROBIOLOGY: WATER
(Continued)

	Source of Raw Water for Treatment		Swimming Pools		Recreational Water	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	628	628	499	499	3	3
Alaska	*	*	*	*	*	*
Ariz.	-	-	-	121	-	-
Ark.	2,258	2,258	1,077	1,077	1,124	1,124
Cal.	(c)	-	7	14	(c)	-
Colo.	*	*	*	*	*	*
Conn.	2,263	3,317	358	757	3,757	4,803
Del.	222	5,758	109	117	(d)	(d)
D.C.	-	-	4	8	-	-
Fla.	23,143	46,286	22,447	22,447	(e)	(e)
Ga.	-	-	-	-	-	-
Hawaii	-	-	1,404	3,029	6,069	16,075
Ida.	227	227	1,115	2,062	-	-
Ill.	-	-	14,208	27,974	934	1,342
Ind.	-	-	3,653	7,382	571	571
Ia.	-	-	1,042	3,126	1	3
Kans.	1,365	1,365	2,288	3,288	629	1,887
Ky.	-	-	-	-	-	-
La.	3,629	3,629	718	718	52	52
Me.	-	-	837	837	265	265
Md.	-	-	2,088	4,367	1,715	2,049
Mass.	-	-	-	-	-	-
Mich.	3,614	4,287	7,785	15,431	3,344	6,688
Minn.	-	-	-	-	-	-
Miss.	*	-	-	-	932	1,794
Mo.	-	-	1,622	1,605	-	-
Mont.	426	856	35	40	-	-
Nebr.	-	-	-	-	(f)	(f)
Nev.	1,414	6,527	(e)	(e)	(e)	(e)
N.H.	-	-	-	-	-	-
N.J.	-	-	661	992	1,315	1,973
N.M.	46	91	616	635	389	554
N.Y.	-	-	285 (g)	569	(g)	(g)
N.C.	-	-	-	-	-	-
N.D.	-	-	933	1,866	-	-
Ohio	-	-	267	270	2,142	2,684
Okla.	124	124	2,966	2,966	(e)	(e)
Ore.	(c)	-	(h)	-	(f)	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	-	-	9,958	10,829	2,476 (i)	4,900 (i)
S.D.	-	-	-	-	(c)	326
Tenn.	(b)	(b)	(b)	(b)	(b)	(b)
Tex.	-	-	21	36	520	520
Utah	*	*	2,439	4,865	-	-
Vt.	-	-	2,500	5,000	-	-
Va.	-	-	-	-	-	-
Wash.	1,188	2,490	248	496	190	466
W.Va.	660	-	1,689	1,689	(e)	(e)
Wisc.	-	-	973	1,946	729	729
Wyo.	-	-	-	-	-	-
Guam	-	-	133	138	-	-
P.R.	213	728	149	*	6	12
V.I.	284	497	-	-	-	-

TABLE 2-49. SANITARY MICROBIOLOGY: DAIRY PRODUCTS

	Milk and Cream		Frozen Desserts		Other Dairy Products	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	27,113	115,538	19,491	62,182	2,639	4,726
Alaska	7 (j)	7	- (j)	-	- (j)	-
Ariz.	2,755	10,254	-	-	-	-
Ark.	2,900	11,600	632	2,528	793	2,746
Cal.	547	1,091	(k)	(k)	(k)	(k)
Colo.	*	*	*	*	*	*
Conn.	10,176	50,678	1,591	3,192	541	1,601
Del.	964	3,944	122	291	-	-
D.C.	265	530	35	70	109	218
Fla.	10,293	20,586	7,658	15,316	2,622	5,244
Ga.	-	-	-	-	-	-
Hawaii	1,270	3,675	1,565	2,986	314	378
Ida.	4,876	16,552	-	-	323 (1)	611
Ill.	5,591	11,182	1,945	3,890	3,449	3,449
Ind.	3,774	6,323	1,277	3,045	968	1,130
Ia.	3,751	18,755	422	2,110	246	984
Kans.	-	-	-	-	4	20
Ky.	8,965	19,192	69	207	255	682
La.	130,468	130,468	1,844	1,844	5,707	5,707
Me.	-	-	-	-	-	-
Md.	10,614	22,041	2,186	4,374	445	672
Mass.	-	-	-	-	-	-
Mich.	7,617	12,201	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	30,104	50,944	(k)	(k)	(k)	(k)
Mo.	4,160	22,155	67	613	-	-
Mont.	-	-	- (m)	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	3,599	20,025	(k)	(k)	(k)	(k)
N.H.	-	-	-	-	-	-
N.J.	2,089	4,178	21	42	46	92
N.M.	4,714	12,764	327 (n)	1,014	496	1,740
N.Y.	1,932	3,864	-	-	-	-
N.C.	-	-	-	-	-	-
N.D.	7,402	26,819	2,407	4,814	-	-
Ohio	160	637	-	-	-	-
Okla.	12,819	12,819	-	-	136	136
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	12	36	2	6	37	101
S.C.	9,579	20,621	1,238	4,003	495	486
S.D.	1,179	3,775	-	-	-	-
Tenn.	22,711	49,189	(k)	(k)	(k)	(k)
Tex.	2,060	7,157	156	327	53	122
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	4,148	12,681	4,753	10,777	453	562
Wash.	197	681	9	18	-	-
W.Va.	4,996	11,749	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	252	756	230	690	119	478
P.R.	2,355	5,222	439	1,317	39	117
V.I.	325	2,098	37	214	-	-

TABLE 2-50. SANITARY MICROBIOLOGY: FOODS

	Food Quality		Food-Associated Disease Outbreaks		Shellfish	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	1,302	6,510	162	788	1,498	5,012
Alaska	- (j)	-	65	*	11	33
Ariz.	-	-	176	463	-	-
Ark.	258	774	254	762	-	-
Cal.	-	-	-	-	19	48
Colo.	*	*	*	*	*	*
Conn.	664	858	492	1,476	27	89
Del.	-	-	-	-	1,226 (o)	32,135 (o)
D.C.	755	5,285	-	-	20	120
Fla.	1,620	6,480	754	3,016	(p)	(p)
Ga.	-	-	365	365	-	-
Hawaii	1,235	2,106	205	939	-	-
Ida.	725 (q)	3,028 (q)	(q)	(q)	-	-
Ill.	3,419	7,987	7	65	64	320
Ind.	3,565	4,749	-	-	34	68
Ia.	-	-	38	304	-	-
Kans.	95	485	50	261	-	-
Ky.	112	1,100	27	27	-	-
La.	975	975	246	246	935	935
Me.	-	-	-	-	-	-
Md.	693	2,087	12	12	18,056 (r)	37,431 (r)
Mass.	-	-	141	*	-	-
Mich.	-	-	162	516	-	-
Minn.	-	-	71	284	-	-
Miss.	-	-	69	69	400	926
Mo.	83	2,149	68	2,653	-	-
Mont.	8 (s)	37	41	53	-	-
Nebr.	-	-	13	65	-	-
Nev.	-	-	244	1,899	-	-
N.H.	-	-	-	-	-	-
N.J.	282	1,692	130	1,239	- (t)	-
N.M.	275	1,650	146	551 (u)	2	12
N.Y.	-	-	- (v)	-	- (w)	-
N.C.	-	-	-	-	2,040	2,747
N.D.	-	-	5	50	-	-
Ohio	-	-	167	865	-	-
Okla.	247 (x)	246	- (x)	-	-	-
Ore.	-	-	-	-	14	14
Pa.	*	*	*	*	*	*
R.I.	4,034	12,102	105	315	194	582
S.C.	1,619	6,079	-	-	50	100
S.D.	(y)	485	-	-	-	-
Tenn.	-	-	278	675	-	-
Tex.	144	22,200	51	153	12	57
Utah	-	-	97	1,106	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	28	342	-	-
Wash.	15	27	352	569	247	401
W.Va.	-	-	17	96	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	16	93	11	68	-	-
P.R.	59	294	148	957	-	-
V.I.	-	-	-	-	-	-

TABLE 2-50. SANITARY MICROBIOLOGY: FOODS
(Continued)

	Beverages		Utensil Counts	
	Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-
Alaska	*	*	*	*
Ariz.	-	-	-	-
Ark.	49	147	40	40
Cal.	-	-	-	-
Colo.	*	*	*	*
Conn.	-	-	335	335
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	(c)	(c)	4,838	4,838
Ga.	-	-	-	-
Hawaii	3	3	142	213
Ida.	-	-	327	658
Ill.	70	140	-	-
Ind.	1,009	1,960	-	-
Ia.	-	-	356	712
Kans.	3	12	-	-
Ky.	194	194	-	-
La.	-	-	689	689
Me.	-	-	-	-
Md.	-	-	832	1,132
Mass.	-	-	-	-
Mich.	-	-	28	28
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	2,885	20,694	235	235
Mont.	-	-	-	-
Nebr.	1	5	1	5
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	-	-
N.M.	8	33	61	122
N.Y.	-	-	-	-
N.C.	-	-	-	-
N.D.	-	-	-	-
Ohio	-	-	-	-
Okla.	-	-	697	697
Ore.	-	-	-	-
Pa.	*	*	*	*
R.I.	-	-	391	391
S.C.	25	25	247	369
S.D.	-	-	-	-
Tenn.	-	-	4,358	4,358
Tex.	-	-	488	488
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W.Va.	3	3	29	48
Wisc.	-	-	-	-
Wyo.	-	-	-	-
Guam	208	609	-	-
P.R.	273	813	5,590	5,590
V.I.	6	6	346	827

TABLES 2-48 - 2-50. FOOTNOTES

(a) Wells: fecal coliform, fecal Strep. and coliform.

(b) All water samples, regardless of source, included together.

(c) Included with Drinking Water.

(d) Included in Raw Water and Swimming Pools.

(e) Included with Source of Raw Water for Treatment.

(f) Recreational Water included with Stream Pollution.

(g) Swimming Pools and Recreational Water included together.

(h) Swimming Pools included with Environmental.

(i) Includes Oyster Bed Water, 770 specimens, 1,724 exams.

(j) Laboratory services transferred to Division of Agriculture.

(k) All dairy products included together.

(l) Cartons and containers.

(m) Handled by diagnostic laboratory of the Department of Livestock.

(n) Includes cultured products.

(o) Includes Shellfish, 73 specimens, 3,505 exams; Shellfish Waters, 1,153 specimens, 28,630 exams.

(p) Shellfish included in Food Quality.

(q) Dry Milk and Food-Associated Disease Outbreaks included with "Food Quality."

(r) Represents: Shellfish and Crabs, 2,241 specimens, 6,735 exams; Shellfish Waters, 15,815 specimens, 30,696 exams.

(s) FDA Proficiency.

(t) Shellfish are now examined by Department of Environmental Protection Laboratory at Leed's Point.

(u) Includes Pseudomonas isolated in milk, 11.

(v) Handled by Clinical Laboratory Center.

(w) Handled by Environmental Conservation.

(x) "Food Quality" and "Food-Associated Disease Outbreaks" included together.

(y) Included with Milk and Cream.

TABLE 2-51. SANITARY AND ENVIRONMENTAL MICROBIOLOGY: ENVIRONMENTAL EXAMS AND MISCELLANEOUS

	Environmental (Rodac Plates, Air Samples, Surface Swabs, Etc.)		Miscellaneous	
	Specimens	Exams	Specimens	Exams
Ala.	48	55	-	-
Alaska	*	*	-	-
Ariz.	13	13	-	-
Ark.	4	8	-	-
Cal.	-	-	-	-
Colo.	*	*	*	*
Conn.	337	384	194 (a)	194
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	-	-	-	-
Ga.	174	174	-	-
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill.	98	98 (b)	-	-
Ind.	-	-	-	-
Ia.	4	12	-	-
Kans.	406	406	-	-
Ky.	-	-	-	-
La.	45	45	6,827 (c)	6,827
Me.	-	-	-	-
Md.	96	251	-	-
Mass.	-	-	-	-
Mich.	56	56	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	65	65	-	-
Nebr.	2	10	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	-	-
N.M.	129	129 (d)	-	-
N.Y.	-	-	-	-
N.C.	-	-	-	-
N.D.	2,307	2,307	-	-
Ohio	-	-	-	-
Okla.	-	-	-	-
Ore.	862 (e)	856	-	-
Pa.	*	*	*	*
R.I.	35	35	-	-
S.C.	-	-	-	-
S.D.	-	-	-	-
Tenn.	-	-	-	-
Tex.	-	-	-	-
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	494	468	375 (f)	1,125
W.Va.	-	-	-	-
Wisc.	-	-	-	-
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	150	450	-	-
V.I.	240	960	-	-

TABLE 2-52. SANITARY AND ENVIRONMENTAL MICROBIOLOGY: STREAM POLLUTION

	Specimens	Exams	Positives			
			Algae	Coliforms	Fecal Coliforms	Fecal Streptococcus
Ala.	224	205	-	205	205	-
Alaska	90	90	*	*	2	-
Ariz.	106	162	-	4	12	-
Ark.	- (g)	-	-	-	-	-
Cal.	46	46 (h)	*	*	*	*
Colo.	*	*	*	*	*	*
Conn.	1,211	3,591	2	*	*	-
Del.	-	-	-	-	-	-
D.C.	227	681	-	227	227	-
Fla.	- (i)	-	-	-	-	-
Ga.	-	-	-	-	-	-
Hawaii	179	525	-	176	176	-
Ida.	2,548	3,101	-	*	38	12
Ill.	-	-	-	-	-	-
Ind.	4,656	5,495	3	768	4,663	-
Ia.	74	222	-	5	73	-
Kans.	431	1,293	-	431	431	-
Ky.	-	-	-	-	-	-
La.	3,051	3,051	-	-	-	-
Me.	-	-	-	-	-	-
Md.	8,270	16,378	*	*	*	*
Mass.	-	-	-	-	-	-
Mich.	7,500	13,783	-	4,639	2,480	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	270	2,596	-	249	239	232
Mont.	181	270	2	174	48	25
Nebr.	1,871	4,215	-	-	765	-
Nev.	- (i)	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	4,820	8,293	-	3,344	3,209	-
N.M.	825	2,436	-	197	180	102
N.Y.	823	1,339	-	*	*	*
N.C.	513	715	3	487	119	-
N.D.	407	4,884	-	-	-	-
Ohio	1,659	2.987	-	248	1,655	-
Okla.	-	-	-	-	-	-
Ore.	3,451	3,446	-	2,950	2,051	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	- (j)	-	-	-	-	-
S.D.	(k)	3,326	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	1,432	3,057	-	1,316	1,180	-
Utah	3,373 (1)	8,936	*	5,773	1,786	-
Vt.	- (m)	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	8	8	8	-	-	-
W.Va.	37	333	-	37	37	-
Wisc.	3,389	3,516	127	135	3,254	-
Wyo.	326	593	-	-	267	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-53. SANITARY AND ENVIRONMENTAL CHEMISTRY: TOTAL SPECIMENS AND EXAMINATIONS

	Total Specimens	Total Exams
Ala.	63,106	76,925
Alaska	853	6,683
Ariz.	1,131	23,640
Ark.	4,326 (n)	6,616
Cal.	3,155	12,031
Colo.	*	*
Conn.	22,890	98,875
Del.	-	-
D.C.	1,141	3,540
Fla.	21,102	45,781
Ga.	-	-
Hawaii	5,362	22,057
Ida.	5,117	61,525
Ill.	38,233	72,284
Ind.	20,486	93,136
Ia.	21,390	92,640
Kans.	6,090	60,113
Ky.	3,646	17,136
La.	10,248	42,994
Me.	15,264	143,915
Md.	27,614	107,607
Mass.	-	-
Mich.	19,918	51,678
Minn.	-	-
Miss.	959	3,918
Mo.	4,442	13,722
Mont.	1,640	12,446
Nebr.	4,202	32,224
Nev.	4,271	35,883
N.H.	-	-
N.J.	9,757	93,326
N.M.	6,740	18,611
N.Y.	8,943	72,419
N.C.	4,856	84,858
N.D.	2,950	5,081
Ohio	7,738	111,230
Okla.	13,602	13,602
Ore.	-	-
Pa.	*	*
R.I.	5,437	38,059
S.C.	15,227	53,670
S.D.	4,820	9,200
Tenn.	-	-
Tex.	16,254	83,237
Utah	6,179	75,571
Vt.	3,610	19,122
Va.	6,277	12,843
Wash.	3,405	31,772
W.Va.	-	-
Wisc.	13,000	43,731
Wyo.	-	-
Guam	- (t)	-
P.R.	7,341	61,840
V.I.	267	1,039

TABLE 2-54. SANITARY CHEMISTRY: DRINKING WATER

	Total Specimens	Complete Analysis
Ala.	48,659	-
Alaska	707	5,330
Ariz.	1,131	-
Ark.	-	-
Cal.	1,960 (o)	-
Colo.	*	*
Conn.	8,995	43,956
Del.	-	-
D.C.	804	-
Fla.	10,479	24,535 (p)
Ga.	-	-
Hawaii	420	7,808
Ida.	1,414	10,538
Ill.	8,531	-
Ind.	5,130	16,194
Ia.	13,496	13,298
Kans.	2,670	29,900
Ky.	3,561	14,864
La.	955	7,337
Me.	15,264	139,300
Md.	7,395	-
Mass.	-	-
Mich.	14,235	301
Minn.	-	-
Miss.	796	1,164
Mo.	1,868	2,335
Mont.	620	3,305 (q)
Nebr.	1,829	5,064
Nev.	1,653	28,453
N.H.	-	-
N.J.	2,040	9,114
N.M.	2,306	1,000 (r)
N.Y.	1,800	15,900
N.C.	4,826	77,126
N.D.	2,331	115
Ohio	1,987	62,013
Okla.	503 (s)	503
Ore.	-	-
Pa.	*	*
R.I.	-	-
S.C.	3,994	24,693
S.D.	4,782	133
Tenn.	-	-
Tex.	4,418	2,775
Utah	3,379	*
Vt.	3,485	18,997 (q)
Va.	6,277	6,277
Wash.	3,347	31,465 (q)
W.Va.	-	-
Wisc.	2,000	2,400
Wyo.	-	-
Guam	-	-
P.R.	2,349	12,647
V.I.	40	283

TABLE 2-54. SANITARY CHEMISTRY: DRINKING WATER
(Continued)

	Partial Analysis				
	Nitrate	Iron	Fluorides	Hardness	Other
Ala.	-	-	535	-	47,783
Alaska	1,155 (u)	(u)	(u)	(u)	(u)
Ariz.	-	-	-	-	23,640 (v)
Ark.	-	-	-	-	-
Cal.	436	383	169	135	-
Colo.	*	*	*	*	*
Conn.	-	-	3,076	-	12,658
Del.	-	-	-	-	-
D.C.	804	-	152	583	878
Fla.	(p)	(p)	(p)	(p)	(p)
Ga.	-	-	-	-	-
Hawaii	-	-	-	-	-
Ida.	-	-	292	-	-
Ill.	17,759	355	8,120	341	5,888
Ind.	658	1,008	4,639	887	9,002
Ia.	21,488	12,051	1,445	3,687	799
Kans.	4,207	2,500	4,186	2,600	6,600
Ky.	115	74	910	76	784
La.	87	478	659	2,194	1,036
Me.	-	-	4,615	-	-
Md.	3,299 (w)	4,104	3,671	3,802	28,694
Mass.	-	-	-	-	-
Mich.	8,884	8,645	7,690	6,925	10,174
Minn.	-	-	-	-	-
Miss.	118	118	604	118	121
Mo.	561	318	1,373	261	5,693
Mont.	(q)	(q)	(q)	(q)	(q)
Nebr.	697	88	892	131	204
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	319	843	162	382	3,474
N.M.	120	300	340	283	11,193 (x)
N.Y.	3,100	2,000	100	2,050	4,500
N.C.	44	-	7,645	-	-
N.D.	742	761	828	761	646
Ohio	-	-	1,163	-	-
Okla.	-	-	-	-	-
Ore.	-	-	-	-	-
Pa.	*	*	*	*	*
R.I.	-	-	-	-	-
S.C.	17	2,981	945	2,887	-
S.D.	2,707	555	1,966	772	3,011
Tenn.	-	-	-	-	-
Tex.	13	195	1,432	-	16
Utah	2,409	2,248	2,034	1,075	39,070
Vt.	(q)	(q)	(q)	(q)	(q)
Va.	6,277	-	289	-	-
Wash.	(q)	(q)	(q)	(q)	(q)
W.Va.	-	-	-	-	-
Wisc.	1,487	1,069	3,363	265	674
Wyo.	-	-	-	-	-
Guam	-	-	-	-	-
P.R.	1,131	1,183	676	1,131	8,626
V.I.	126	-	-	40	121 (y)

TABLE 2-55. SANITARY CHEMISTRY: MISCELLANEOUS

	Swimming Water		Dairy Products		Food	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	499	499	13,948	28,108	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	-	-	4,326	6,616	-	-
Cal.	7	15	547	1,051	187	187 (z)
Colo.	*	*	*	*	*	*
Conn.	367	850	11,731	21,857	288	1,750
Del.	-	-	-	-	-	-
D.C.	-	-	337	1,123	-	-
Fla.	(p)	(p)	10,293	20,586	155	310
Ga.	-	-	-	-	-	-
Hawaii	878	3,602	3,371	9,001	541	906
Ida.	-	-	-	-	68	233
Ill.	14,218	14,441	9,979	11,978	5,426	11,833
Ind.	-	-	6,019	10,683	5,019	11,420
Ia.	-	-	3,446	13,958	14	22
Kans.	1,800	3,600	-	-	-	-
Ky.	-	-	-	-	85	313
La.	-	-	4,623	17,729	2,050	5,940
Me.	-	-	-	-	-	-
Md.	-	-	12,023	19,203	4,055	18,424
Mass.	-	-	-	-	-	-
Mich.	-	-	5,683	9,059	-	-
Minn.	-	-	-	-	-	-
Miss.	163	1,675	(aa)	(aa)	-	-
Mo.	-	-	614	794	223	659
Mont.	-	-	-	-	135	625
Nebr.	-	-	-	-	-	-
Nev.	-	-	1,979	2,930	155	236
N.H.	-	-	-	-	-	-
N.J.	-	-	1,941	3,736	405	559
N.M.	133	133	3,780	3,880	121	362
N.Y.	1,000	200	1	2	2	17
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	194	801	-	-	4	19
Okla.	-	-	12,819	12,819	250	250
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	5,437	38,059
S.C.	-	-	11,233	22,147	-	-
S.D.	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Tex.	-	-	1,971	3,453	1,307	6,044
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	<50	<50
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	21	107
W.Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	3,329	7,907	1,120	3,936
V.I.	-	-	227	454	-	-

TABLE 2-55. SANITARY CHEMISTRY: MISCELLANEOUS
(Continued)

	Other		
	Specimens	Exams	Types of Tests
Ala.	-	-	-
Alaska	133	133	Paralytic Shellfish Poison (PSP) Toxin - mouse test. Complete assay of 2-10 mice counted as one examination.
Ariz.	-	-	-
Ark.	-	-	-
Cal.	454	522	Organic Chemistry: petroleum, pesticides, etc.
Colo.	*	*	*
Conn.	71	26	Metals, hydrocarbons.
Del.	-	-	-
D.C.	-	-	-
Fla.	175	350	-
Ga.	-	-	-
Hawaii	-	-	-
Ida.	-	-	-
Ill.	79	1,569	Includes heavy metals in surveys, etc.
Ind.	-	-	-
Ia.	349	2,749	*
Kans.	-	-	-
Ky.	-	-	-
La.	699	1,708	BRIX, cereal, caffein, specific gravity, sodium hydroxide, cadmium, chlorophyll, silica, and all metals.
Me.	-	-	-
Md.	-	-	-
Mass.	-	-	-
Mich.	-	-	-
Minn.	-	-	-
Miss.	-	-	-
Mo.	1,737	1,727	Beverages.
Mont.	165	189	*
Nebr.	-	-	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	-	-	-
N.M.	-	-	-
N.Y.	140	500	(bb)
N.C.	30	30	Sand and rocks.
N.D.	10	10	Sediment, boiler scale, grease.
Ohio	204	207	*
Okla.	30	30	*
Ore.	-	-	-
Pa.	*	*	*
R.I.	-	-	-
S.C.	-	-	-
S.D.	-	-	-
Tenn.	-	-	-
Tex.	-	-	-
Utah	-	-	-
Vt.	75	75	Fish - mercury.
Va.	-	-	-
Wash.	37	200	Nickel, zinc, tin, phosphate, cadmium, copper.
W.Va.	-	-	-
Wisc.	-	-	-
Wyo.	-	-	-
Guam	-	-	-
P.R.	543	2,220	Drugs.
V.I.	-	-	-

TABLE 2-56. SANITARY AND ENVIRONMENTAL CHEMISTRY: WATER POLLUTION

	Total Specimens	Total Exams	Dissolved Oxygen	Phosphates
Ala.	-	-	-	-
Alaska	13	65	13	-
Ariz.	-	-	-	-
Ark.	- (g)	-	-	-
Cal.	- (cc)	9,133	31	168
Colo.	*	*	*	*
Conn.	1,438	14,702	353	69
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	(p)	(p)	-	-
Ga.	-	-	-	-
Hawaii	152	740	150	130
Ida.	3,635	46,302	-	-
Ill.	-	-	-	-
Ind.	4,318	38,645	- (dd)	3,669
Ia.	4,085	23,143	399	665
Kans.	1,620	6,520	1,500	3,200
Ky.	-	-	-	-
La.	1,921	5,826	86	76
Me.	-	-	-	-
Md.	4,141	26,410	3,136	3,079
Mass.	-	-	-	-
Mich.	-	-	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	1	-	1
Mont.	720	8,327	*	*
Nebr.	2,373	25,148	-	2,158
Nev.	484	4,264	-	-
N.H.	-	-	-	-
N.J.	5,373	74,737	8,265	4,644
N.M.	400	1,000	-	300
N.Y.	6,000	44,050	4,000	10,000
N.C.	-	13	-	9
N.D.	609	1,218	-	609
Ohio	5,349	47,027	*	*
Okla.	(cc)	(cc)	-	-
Ore.	-	-	-	-
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	38	56	-	-
Tenn.	-	-	-	-
Tex.	8,558	69,309	759	3,459
Utah	2,800	28,735	11,799	2,462
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	- (ee)	-	-	-
W.Va.	-	-	-	-
Wisc.	11,000	34,473	-	4,114
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	22,383	8,922	447
V.I.	-	15	-	15

TABLE 2-56. SANITARY AND ENVIRONMENTAL CHEMISTRY: WATER POLLUTION
(Continued)

	BOD	COD	Detergents	Other
Ala.	-	-	-	-
Alaska	13	-	-	39
Ariz.	-	-	-	-
Ark.	-	-	-	-
Cal.	84	61	208	8,581
Colo.	*	*	*	*
Conn.	361	5	248	13,666
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	-	-	-	-
Ga.	-	-	-	-
Hawaii	169	2	-	289 (ff)
Ida.	1,935	2,058	-	42,309
Ill.	-	-	-	-
Ind.	3,094	1,266	-	30,616
Ia.	8,695	301	-	13,083
Kans.	1,500	300	20	-
Ky.	-	-	-	-
La.	82	77	-	5,505 (gg)
Me.	-	-	-	-
Md.	3,374	586	6	16,229
Mass.	-	-	-	-
Mich.	-	-	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	*	*	*	*
Nebr.	1,765	1,719	-	19,506
Nev.	4,264	-	-	-
N.H.	-	-	-	-
N.J.	6,488	1,246	3,834	50,260
N.M.	250	250	200	-
N.Y.	3,000	3,000	50	24,000
N.C.	-	-	4	-
N.D.	609	-	-	-
Ohio	*	*	*	272 (hh)
Okla.	-	-	-	-
Ore.	-	-	-	-
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	56	-	-	-
Tenn.	-	-	-	-
Tex.	7,934	512	61	56,584
Utah	1,958	378	1,157	10,981
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W.Va.	-	-	-	-
Wisc.	4,717	138	83	25,421
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	1,301	166	-	11,547
V.I.	-	-	-	-

TABLES 2-51 - 2-56. FOOTNOTES

(a) Bovine serum, Q fever.

(b) Air pollen counts.

(c) Oyster growing waters, 3,660 specimens, 3,660 exams; lake waters, 3,051 specimens, 3,051 exams; BOD, 116 specimens, 116 exams.

(d) In addition, 108 Rodacs sent out.

(e) Includes surface water, septic tank overflow, wells, swimming pools, etc.

(f) Shellfish growing areas.

(g) Responsibility of Department of Pollution Control and Ecology.

(h) Fish Toxicity Bioassay.

(i) Included with Source of Raw Water for Treatment, Table 2-48.

(j) Under jurisdiction of another state agency.

(k) Included with Drinking Water, Table 2-48.

(l) Includes surface waters (non-potable) and effluents.

(m) Under jurisdiction of the Department of Water Resources, Agency for Environmental Conservation.

(n) Except for Milk Chemistry, this is responsibility of Division of Environmental Laboratories.

(o) Represents water from all sources.

(p) Includes all Drinking Water exams not broken down by type. Specimens include Swimming Water and Water Pollution. Water Pollution exams do not include analyses performed by Department of Pollution Control and in city or county pollution control agencies.

(q) All Drinking Water exams included in one figure.

(r) 19 tests for each Complete Analysis.

(s) Private samples only. Public water supplies and water pollution samples offered by Environmental Health Service, Oklahoma State Department of Health.

(t) Responsibility of Bureau of Environmental Protection Agency of Guam.

(u) Total for partial analyses not broken down by type.

(v) Represents: appearance, 2,727; cations, 4,563; anions, 3,784; heavy metals, 6,291; toxics, 3,514; other, 2,761.

(w) Includes nitrite.

(x) Separate runs.

(y) Turbidity.

(z) Paralytic Shellfish Poison.

(aa) Included under Sanitary and Environmental Microbiology - Milk and Cream.

(bb) Trace metals, PCB, sulfur compounds, nitrous oxides, nitrates, nitrites, detergents, etc.

(cc) Included with Drinking Water, Table 2-54.

(dd) Performed in the field by Water Pollution Control Division, Bureau of Engineering.

(ee) Performed by Department of Ecology.

(ff) Nitrogen, solids, oil, grease, minerals, heavy metals, etc.

(gg) Water from oyster beds.

(hh) Mercury, 202; sand, 70.

TABLE 2-57. AIR POLLUTION

	Total Samples	Total Exams	Discrete Sampling	Continuous Sampling	No. of Stations
Ala.	-	-	-	-	-
Alaska	- (a)	-	-	-	-
Ariz.	1,117	5,472	X	-	26
Ark.	- (b)	-	-	-	-
Cal.	2,493	4,158 (c)	X	X	48
Colo.	*	*	*	*	*
Conn.	6,910	10,621	X	-	62
Del.	-	-	-	-	-
D.C.	- (d)	-	-	-	-
Fla.	1,171 (e)	2,342	-	-	-
Ga.	-	-	-	-	-
Hawaii	- (f)	-	-	-	-
Ida.	4,024	6,309	X	X (g)	75
Ill.	-	-	-	-	-
Ind.	- (h)	-	-	-	-
Ia.	1,740	2,092	X	X	174
Kans.	5,053	5,053	X	X	49
Ky.	18,132	21,972	X	-	75
La.	14	14	X	-	-
Me.	-	-	-	-	-
Md.	14,338	17,121	X	X	36
Mass.	-	-	-	-	-
Mich.	-	-	-	-	-
Minn.	-	-	-	-	-
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	5,715	7,566	X	X	255
Nebr.	-	-	-	-	-
Nev.	1,743	1,756	X	- (i)	- (i)
N.H.	-	-	-	-	-
N.J.	-	-	-	-	-
N.M.	4,528	5,000	-	X	10
N.Y.	10,742	12,630	-	X	100
N.C.	-	-	-	-	-
N.D.	5,375	5,375	X	X	15
Ohio	3,192	5,140	X	-	219 (j)
Okla.	- (k)	-	-	-	-
Ore.	-	-	-	-	-
Pa.	*	*	*	*	*
R.I.	-	-	-	-	-
S.C.	- (l)	-	-	-	-
S.D.	-	-	-	-	-
Tenn.	-	-	-	-	-
Tex.	-	-	-	-	-
Utah	311	311 (m)	X	-	-
Vt.	- (n)	-	-	-	-
Va.	-	-	-	-	-
Wash.	- (o)	-	-	-	-
W.Va.	-	-	-	-	-
Wisc.	5,520	12,411	-	X	80
Wyo.	-	-	-	-	-
Guam	- (p)	-	-	-	-
P.R.	3,399	3,455	X	X	21 (q)
V.I.	-	-	-	-	-

TABLE 2-58. OCCUPATIONAL HEALTH AND SAFETY

	Total Specimens	Total Exams	Chemical Analyses	
			Human Source	Environmental Source
Ala.	-	-	-	-
Alaska	- (r)	-	-	-
Ariz.	90	201	-	201
Ark.	- (s)	-	-	-
Cal.	1,348	2,215	*	*
Colo.	*	*	*	*
Conn.	1,308	1,774	1,459	315
Del.	-	-	-	-
D.C.	8,560	8,560	-	8,560
Fla.	- (t)	-	-	-
Ga.	-	-	-	-
Hawaii	- (f)	-	-	-
Ida.	-	-	-	-
Ill.	-	-	-	-
Ind.	- (u)	-	-	-
Ia.	1,286	2,835	-	2,835
Kans.	541	580	-	580
Ky.	1,372	1,372	-	1,372
La.	18	34	-	34
Me.	-	-	-	-
Md.	2,825	2,839	-	2,839
Mass.	-	-	-	-
Mich.	-	-	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	39	39	39	-
Mont.	45	45 (v)	*	*
Nebr.	-	-	-	-
Nev.	- (w)	-	-	-
N.H.	-	-	-	-
N.J.	2,754	3,122	1,833 (x)	1,289
N.M.	10	10	-	10
N.Y.	798	899	140	310 (y)
N.C.	4,912	4,912	1,002	3,910
N.D.	-	-	-	-
Ohio	226	656	-	656
Okla.	- (k)	-	-	-
Ore.	-	-	-	-
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	- (l)	-	-	-
S.D.	-	-	-	-
Tenn.	-	-	-	-
Tex.	-	-	-	-
Utah	1,674	2,632	1,657	975
Vt.	- (n)	-	-	-
Va.	-	-	-	-
Wash.	117	126 (z)	2	30
W.Va.	-	-	-	-
Wisc.	1,913	3,238	168	3,070
Wyo.	-	-	-	-
Guam	- (p)	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-59. RADIOACTIVITY

	Total Specimens	Total Exams	Air		Milk	
			Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	- (aa)	-	-	-	-	-
Cal.	5,013	19,650	3,660	6,659	115	1,150
Colo.	*	*	*	*	*	*
Conn.	1,032	2,229	256	257	36	228
Del.	67	134	-	-	-	-
D.C.	- (d)	-	-	-	-	-
Fla.	- (bb)	-	-	-	-	-
Ga.	-	-	-	-	-	-
Hawaii	- (f)	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	509	1,987	90	90	5	24
Ind.	- (u)	-	-	-	-	-
Ia.	2,160	4,817	1,169	1,289	59	281
Kans.	860	2,062	252	252	90	774
Ky.	-	-	-	-	-	-
La.	210	329	-	-	18	27
Me.	803	957	284	284	25	50
Md.	878	2,143	427	911	59	310
Mass.	-	-	-	-	-	-
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	- (cc)	-	-	-	-	-
Nebr.	- (dd)	-	-	-	-	-
Nev.	- (w)	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	-	-	-
N.M.	-	-	-	-	-	-
N.Y.	4,188	7,496	780	855	424	1,432
N.C.	1,272	8,133	384	1,268	81	314
N.D.	1,227	1,227	1,032	1,032	159	159
Ohio	543	4,289	-	-	43	338
Okla.	- (k)	-	-	-	-	-
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	1,738	6,952	804	2,846	51	255
S.D.	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Tex.	690	1,953	8	23	62	175
Utah	1,711	6,042	-	-	281	1,764
Vt.	- (n)	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	479	2,326	230	230	48	336
W.Va.	-	-	-	-	-	-
Wisc.	1,642	3,564	756	1,512	246	1,230
Wyo.	-	-	-	-	-	-
Guam	- (p)	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-59. RADIOACTIVITY
(Continued)

	Water and Rainfall		Atomic Energy Plant Monitoring		Other	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	-	-	-
Cal.	253	372	160	510	825	10,959 (ee)
Colo.	*	*	*	*	*	*
Conn.	455	1,113	-	-	285	631
Del.	67	134	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	-	-	-	-	-	-
Ga.	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	246	1,142	168	731
Ind.	-	-	-	-	-	-
Ia.	932	3,247	-	-	-	-
Kans.	434	868	-	-	84	168
Ky.	-	-	-	-	-	-
La.	142	251	-	-	50	51
Me.	302	429	2	4	190	190
Md.	391	918	-	-	1	4
Mass.	-	-	-	-	-	-
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	-	-	-
N.M.	-	-	-	-	-	-
N.Y.	1,057	2,629	246	506	1,681	2,074
N.C.	692	5,810	-	-	115	741
N.D.	36	36	-	-	-	-
Ohio	386	3,465	108	432	6	54
Okla.	-	-	-	-	-	-
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	-
S.C.	626	3,180	(ff)	(ff)	257 (ff)	671
S.D.	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Tex.	372	1,053	-	-	248	702
Utah	1,430	4,278	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	116	1,160	(gg)	(gg)	85	600
W.Va.	-	-	-	-	-	-
Wisc.	475	609	149	149	16	64
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLES 2-57 - 2-59. FOOTNOTES

(a) Services by Department of Environmental Conservation.

(b) Responsibility of Department of Pollution Control and Ecology.

(c) Fish toxicity assays, 2,399 specimens, 3,976 exams. Continuous sampling, 94 specimens, 182 exams (instrument calibrations). Stations operated by ARB.

(d) Work is performed by a laboratory administered by the Environmental Services Department, Government of the District of Columbia.

(e) Includes Pollen Counts, 556. Does not include analyses performed by Department of Pollution Control and in city or county pollution control agencies.

(f) Performed by another branch, Environmental Health Division, Department of Health.

(g) SO_2.

(h) Performed in Division of Sanitary Engineering, ISBH.

(i) Not under laboratory control.

(j) 185, high volume; 18, fall-out; 16, oxides of sulfur, candles.

(k) Offered by Environmental Health Service, Oklahoma State Department of Health.

(l) Handled by another state agency.

(m) Restricted to analysis of beryllium. Other examinations are made by field monitoring equipment and conducted by the air quality section of the Bureau of Environmental Health.

(n) Performed at the Laboratory of Industrial Hygiene, Department of Health.

(o) Performed by Department of Ecology.

(p) Responsibility of Bureau of Environmental Protection Agency of Guam.

(q) Six stationary, 15 mobile.

(r) No services at present. Laboratory facilities being established in FY 74 with services to start July 1, 1974.

(s) Responsibility of Division of Occupational Health.

(t) Performed by Occupational Health Section.

(u) Performed in Bureau of Engineering, ISBH.

(v) Includes solvents, heavy metals, dust/air/body fluids, free silica.

(w) Handled by Bureau of Environmental Health.

(x) Includes 278 specimens, 225 exams of alpha naphthol and paranitrophenol in urine to monitor metabolic products of pesticides taken in by human subjects who are occupationally exposed. Also, 1,546 specimens, 1,608 exams, acetyl cholinesterase determination of humans accidentally or occupationally exposed to organophosphate pesticides.

(y) In addition, there were 449 other exams not broken down by type.

(z) Includes 94 biological analyses, human source.

(aa) Responsibility of Division of Radiological Health.

(bb) Radiological testing program was transferred to Radiological and Occupational Health Section.

(cc) Air and water samples are referred to EPA in Durham, N.C.; milk samples to the radiological laboratory in Las Vegas, Nevada. The Occupational Health Bureau is concentrating on radiological safety.

(dd) This aspect of laboratory work was non-functional during the year due to moving and other disruptions.

TABLES 2-57 - 2-59. FOOTNOTES
(Continued)

(ee) Includes 9,944 calibrations.

(ff) "Other" includes atomic energy plant monitoring, fish, vegetation, soil, etc.

(gg) Included in "Water and Rainfall" and "Other."

TABLE 2-60. PESTICIDES

	Total Specimens	Total Exams	Milk Specimens	Milk Exams	Water Specimens	Water Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	1,696	1,702	1,632	1,638	64	64
Ark.	- (a)	-	-	-	-	-
Cal.	973	3,072	-	-	-	-
Colo.	*	*	*	*	*	*
Conn.	55	1,191	(b)	82	(b)	155
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	5,667	78,192	(c)	-	(c)	-
Ga.	-	-	-	-	-	-
Hawaii	157	408	17	32	8	10
Ida.	744	744	208	208	66	66
Ill.	582	582	171	171	76	76
Ind.	1,985	2,384	1,717	2,072	97	191
Ia.	254	800	-	-	216	648
Kans.	119	119	-	-	114	114
Ky.	445	529	120	144	147	177
La.	418	418	58	58	38	38
Me.	225	424	-	-	39	91
Md.	517	1,688	87	249	135	377
Mass.	-	-	-	-	-	-
Mich.	3,568	11,359	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	79	648	7	61	70	585
Mont.	28	28	-	-	-	-
Nebr.	- (d)	-	-	-	-	-
Nev.	327	464	327	464	-	-
N.H.	-	-	-	-	-	-
N.J.	1,619	1,809	-	-	330	350
N.M.	212	636	16	48	93	279
N.Y.	20	140	-	-	15	120
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	416	778	39	78	195	390
Okla.	- (e)	-	-	-	-	-
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	304	900 (f)	22	*	160	*
S.C.	2,164	4,936	-	-	7	23
S.D.	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Tex.	31	57	-	-	31	57
Utah	572	1,172	-	-	-	-
Vt.	- (g)	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	1,717	1,767	1	1	27	27
W.Va.	-	-	-	-	-	-
Wisc.	234	1,848	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	- (h)	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-60. PESTICIDES
(Continued)

	Food		Human Source		Environmental Source	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	-	-	-
Cal.	440	2,185	526 (i)	880	7 (i)	7
Colo.	*	*	*	*	*	*
Conn.	33	447	22	22	(b)	485
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	(c)	-	3,566	36,172	2,101	42,020
Ga.	-	-	-	-	-	-
Hawaii	120	348	-	-	12	18
Ida.	10	10	205	205	255	255
Ill.	295	295	5	5	35	35
Ind.	171	121	-	-	-	-
Ia.	-	-	2	8	36	144
Kans.	-	-	5	5	-	-
Ky.	154	172	4	6	20	30
La.	99	99	-	-	223	223
Me.	7	10	57	184	122	139
Md.	295	1,062	-	-	-	-
Mass.	-	-	-	-	-	-
Mich.	-	-	3,355	10,592	213	767
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	2	2	-	-	-	-
Mont.	7	7	-	-	21	21
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	36	81	1,235	1,348	18	30
N.M.	10	30	-	-	93	279
N.Y.	-	-	5	20	-	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	170	288	4	8	8	14
Okla.	-	-	-	-	-	-
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	108	*	-	-	14	14
S.C.	-	-	1,307	3,065	850	1,848
S.D.	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	468 (j)	1,068	104	104
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	7	7	1,241	1,241	441	491
W.Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	234	1,848
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-61. TOXICOLOGY: FORENSIC AND OTHER

	Total Specimens	Total Exams	Drug Analysis		
			Specimens	Forensic Exams	Other Exams
Ala.	-	-	-	-	-
Alaska	- (k)	-	-	-	-
Ariz.	1	1	-	-	-
Ark.	- (a)	-	-	-	-
Cal.	461	5,256	461	-	1,130
Colo.	*	*	*	*	*
Conn.	21,039	54,242	13,081	39,243	-
Del.	-	-	-	-	-
D.C.	15,880	16,396	-	-	-
Fla.	20,162	88,210	10,293	40,188	984
Ga.	-	-	-	-	-
Hawaii	21	50	10	10	23
Ida.	9,988	19,446	2,877	11,152	499
Ill.	3,140	6,219	140	275	204
Ind.	202	719	202	719	-
Ia.	6,415	41,898	2,811	-	31,098
Kans.	3,519	5,154	165	415	-
Ky.	243	1,373	67 (1)	682	36
La.	80	140	63	-	105
Me.	4,478	8,584	2,060	6,166	-
Md.	-	5,122	-	-	-
Mass.	*	4,000	-	-	-
Mich.	12,038	65,063	8,317	44,285	-
Minn.	-	-	-	-	-
Miss.	-	-	-	-	-
Mo.	2	2	-	-	-
Mont.	3,389	3,418	8	-	8
Nebr.	2,242	4,384	1,544	3,698	93
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	-	-	-	-	-
N.M.	*	6,810	-	-	-
N.Y.	*	4,436	-	-	-
N.C.	-	-	-	-	-
N.D.	-	-	-	-	-
Ohio	565	1,652	2	2	-
Okla.	-	-	-	-	-
Ore.	-	-	-	-	-
Pa.	*	*	*	*	*
R.I.	8,927	134,063	8,161	76,513	1,890
S.C.	12,105	26,048	6,927	-	20,870
S.D.	-	-	-	-	-
Tenn.	-	-	-	-	-
Tex.	(m)	2,892	-	-	-
Utah	2,446	6,175	1,266	2,690	114 (n)
Vt.	1,747	1,747	67	61	6
Va.	-	-	-	-	-
Wash.	-	-	-	-	-
W.Va.	-	-	-	-	-
Wisc.	2,883	4,251	31	-	31
Wyo.	249	249	-	-	-
Guam	- (o)	-	-	-	-
P.R.	2,542	2,542	-	-	-
V.I.	-	-	-	-	-

TABLE 2-61. TOXICOLOGY: FORENSIC AND OTHER
(Continued)

	Tissues, Breath or Body Fluids						
		Alcohol					
	Specimens	Blood	Breath	Other	Barbiturates	Lead	Other Heavy Metals
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	1	1	-	-	-	-	-
Ark.	-	-	-	-	-	-	-
Cal.	*	2,000	100	2,000	-	-	26
Colo.	*	*	*	*	*	*	*
Conn.	7,176	1,563	1,865	623	3,329	-	24
Del.	-	-	-	-	-	-	-
D.C.	15,880	-	-	2,473	230	11,699	-
Fla.	9,869	8,248	- (p)	8	2,634	- (q)	- (q)
Ga.	-	-	-	-	-	-	-
Hawaii	11	5	-	-	6	-	-
Ida.	7,111	449	6,286	-	-	56	521
Ill.	3,000	1,793	-	99	162	-	4
Ind.	- (r)	-	-	-	-	-	-
Ia.	3,604	321	2,259	-	-	8,220	-
Kans.	3,354	2,619	-	-	503	76	111
Ky.	176	42	-	-	42	478	7
La.	17 (s)	-	-	-	-	-	13
Me.	2,418	1,094	761	58	117	148	26
Md.	-	-	-	-	-	5,122	-
Mass.	-	-	-	-	-	4,000	-
Mich.	3,721	8,118	-	718 (t)	11,942 (u)	-	(u)
Minn.	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	2	-	-	-	-	2	-
Mont.	3,381	677	2,619	56 (t)	29	-	-
Nebr.	698	242	222	129 (t)	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	*	81	6,166	-	-	1	11
N.Y.	*	-	-	-	-	4,330	31
N.C.	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	563	286	432	11 (t)	7	863	51
Okla.	-	-	-	-	-	-	-
Ore.	-	-	-	-	-	-	-
Pa.	*	*	*	*	*	*	*
R.I.	766	3,829	-	70	3,213	-	350
S.C.	5,178	-	-	-	-	5,178	-
S.D.	-	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-	-
Tex.	(m)	-	-	-	-	2,892	-
Utah	1,180	1,176	-	-	*	2	5
Vt.	1,680	1,500	-	-	180 (v)	(v)	(v)
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-
Wisc.	2,852	1,456 (w)	-	-	1,228	219	158
Wyo.	249	249	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	2,542	1,097	-	1,445 (t)	-	-	-
V.I.	-	-	-	-	-	-	-

TABLE 2-61. TOXICOLOGY: FORENSIC AND OTHER (Continued)

	Tissues, Breath, or Body Fluids		
	Narcotics	Psychotropic Agents	Others
Ala.	-	-	-
Alaska	-	-	-
Ariz.	-	-	-
Ark.	-	-	-
Cal.	-	-	*(x)
Colo.	*	*	*
Conn.	4,554	117	2,924(y)
Del.	-	-	-
D.C.	1,754	2	238
Fla.	10,880	225	25,043(z)
Ga.	-	-	-
Hawaii	6	-	-
Ida.	-	-	483(aa)
Ill.	139	200	3,343
Ind.	-	-	-
Ia.	-	-	-
Kans.	309	751	370
Ky.	42	42	2(bb)
La.	9	-	13
Me.	12	-	202
Md.	-	-	-
Mass.	-	-	-
Mich.	(u)	(u)	(u)
Minn.	-	-	-
Miss.	-	-	-
Mo.	-	-	-
Mont.	29	-	-
Nebr.	-	-	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	-	-	-
N.M.	-	-	551(cc)
N.Y.	-	-	75(dd)
N.C.	-	-	-
N.D.	-	-	-
Ohio	-	-	-
Okla.	-	-	-
Ore.	-	-	-
Pa.	*	*	*
R.I.	1,050	1,050	46,098(ee)
S.C.	-	-	-
S.D.	-	-	-
Tenn.	-	-	-
Tex.	-	-	-
Utah	*	*	2,188(ff)
Vt.	(v)	(v)	-
Va.	-	-	-
Wash.	-	-	-
W.Va.	-	-	-
Wisc.	929	-	230
Wyo.	-	-	-
Guam	-	-	-
P.R.	-	-	-
V.I.	-	-	-

TABLE 2-62. EXAMS NOT INCLUDED ELSEWHERE

	Specimens	Exams	Type of Test
Fla.	92	300	Bedding material (Bedding Inspection Law).
Md.	8,917	1,363	Pharmaceutical Chemistry.
	511	967	Bedding & Upholstery.
Nev.	4,337	36,562	Areas of coverage not shown elsewhere in this report.

TABLES 2-60 - 2-62. FOOTNOTES

(a) Responsibility of Division of Environmental Laboratories.

(b) Specimens counted under "Sanitary and Environmental Chemistry."

(c) Included with Environmental Source.

(d) Handled by Agriculture Laboratory.

(e) Offered by Environmental Health Service, Oklahoma State Department of Health.

(f) All samples subjected to EPA multiresidue method.

(g) Planned for FY 74.

(h) Responsibility of Bureau of Environmental Protection Agency of Guam.

(i) Community Studies on Pesticides Project.

(j) An additional 400 blood specimens reported under Hematology and 200 urine specimens reported under Clinical Chemistry as part of Utah Community Studies Project (Pesticides).

(k) No services offered in FY 73.

(l) Represents cases, not specimens.

(m) Same specimens as for hemoglobin and hemoglobinopathy.

(n) Alcoholic beverages.

(o) Responsibility of Crime Laboratory Section.

(p) Performed by State and local law enforcement agencies.

(q) Performed by Occupational Health Section.

(r) Performed by the Toxicology Laboratory, Indiana University School of Medicine.

(s) Laboratory approves methods and certifies operators, analysts, and instructors to perform tests for alcohol on blood, breath and body fluids.

(t) Urine.

(u) Combined total for Barbiturates, Other Heavy Metals, Narcotics, Psychotropic Agents, and Others.

(v) Barbiturates, Lead, Other Heavy Metals, Narcotics, and Psychotropic Agents included in one figure.

(w) Includes urine exams.

(x) Hexachlorophene.

(y) Includes 1,623 criminological examinations.

(z) Urine screening for Narcotics and Dangerous Drugs, 24,508.

(aa) Methadone, 433; urine drug screens and poisons, 50.

(bb) Freon.

(cc) Strychnine, cyanide, warfarin, carbon monoxide.

(dd) Mercury.

(ee) Horse urines.

(ff) Dangerous drugs, 2,086; carbon monoxide, 102.

SECTION III

SPECIAL QUESTIONS ON DIAGNOSTIC WORKLOAD

TABLE 3-1. STATES REPORTING MULTIPHASIC SCREENING PROGRAMS

	Tests or Programs
Ark.	Laboratory doing some screening for the Division of Maternal and Child Health's program in AFDC consisting mostly of hematocrit, hemoglobin, and sickle-cell electrophoresis.
Conn.	Multiphasic screening program is maintained for State employees as part of their annual physical. Included in the program are glucose, BUN, uric acid, bilirubin, cholesterol, triglycerides, and CBC. Multiphasic screening consisting of CBC, A/G ratio and total protein maintained for selected well-child and day care centers.
D.C.	a. Sickle cell, VD serology, pap smear, BUN, glucose, CBC, under a departmental program. b. Screening on young under Medicaid program includes sickle cell anemia, lead level urinanalysis, cell counts.
Fla.	Cardiovascular screening program (Tests performed: hemoglobin, glucose, uric acid, cholesterol, triglycerides, and on selected cases, urea nitrogen and lipoprotein electrophoresis.)
Mich.	Hemoglobin, glucose, cholesterol, uric acid, creatinine.
N.Y.	Provide three-channel analyses on Unopette samples (glucose, urea nitrogen, uric acid) for health screening programs.
N.C.	Tests: albumin, alkaline phosphatase, BUN, calcium, cholesterol, inorganic phosphate, LDH, SGOT, total bilirubin, total protein, uric acid, sodium, creatinine, potassium, CPK, CO_2.
Ohio	Clinical chemistry - SMA-12, or glucose, cholesterol, uric acid, urea nitrogen.
Tex.	Total hemoglobin, hemoglobinopathy, syphilis, blood lead.
W.Va.	Calcium, inorganic phosphate, glucose, BUN, uric acid, cholesterol, total protein, albumin, total bilirubin, alkaline phosphatase, LDH, SGOT.
Wisc.	SMA 12/60 (survey), later changed to 6/60 (glucose, creatinine, total bilirubin, SGOT, uric acid, and cholesterol).
P.R.	Glucose, total protein and albumin, cholesterol, CBC, differential counts.

TABLE 3-1. STATES REPORTING MULTIPHASIC SCREENING PROGRAMS
(Continued)

	Sponsors of Program	Type of Recipient	Amount of Reimbursement
Ark.	Division of Maternal and Child Health.	AFDC	-
Conn.	State.	State employees; some day care centers.	-
D.C.	a. Departmental Program, b. Medicaid.	a. Citizens 21 and over, b. The young on Medicaid.	a. No reimbursement for departmental program. b. For Medicaid Program reimbursement is in block form for total service rendered.
Fla.	Florida State Division of Health.	General public.	-
Mich.	Participating counties through association with the Michigan Department of Public Health.	Anyone 18 years of age or older.	-
N.Y.	Several counties within the State.	*	-
N.C.	Chronic Disease Branch, Division of Health Services.	Patients from multiphasic clinics throughout the State. Most are in county health departments.	-
Ohio	O.D.H. Division of Chronic Diseases.	Local Health Departments.	-
Tex.	State Department of Welfare.	Dependents of welfare recipients.	$2.00 per specimen with complete test.
W.Va.	Maternal and Child Health; Heart and Hypertension.	Clinic.	-
Wisc.	State Division of Health, Department of Health and Social Services.	General public - State of Wisconsin (statewide through mobile buses).	- (No reimbursement. Division of Health pays all expenses in the program except for physical space, two technicians and Chief Chemist who serves as consultant.)
P.R.	Department of Health of P.R.	*	-

TABLE 3-2. DRUG SCREENING PROGRAMS USING METHADONE

	No. of People in the Program	Frequency of Tests
D.C.	3,500	Tests handled by contract laboratory. Program administered by Narcotic Treatment Administration. Division of Laboratories involved only as a consultative service.
Fla.	300	Weekly
Ida.	8	Weekly
Ia.	60 Program not under control of Laboratory.	Weekly
N.J.	2,500	1-3 Times Weekly
N.Y.	Quarterly proficiency testing is provided and laboratory approval is necessary in order for laboratories to provide service.	-
S.C.	Laboratory support provided for program conducted outside Department of Health.	-
Wisc.	100	Weekly

TABLE 3-3. STATES REPORTING SCREENING FOR METABOLIC DISORDERS OTHER THAN PKU

	Methods and Disorders
Ala.	Chromatography.
Conn.	Beutler and Baluda Spot Test for galactosemia.
D.C.	Solubility testing and electrophoresis for sickle cell anemia.
Md.	Guthrie for galactosemia, G-6-P, histidine, maple sugar urine, methionine.
Mass.	Guthrie Bacterial Inhibition Assays, Paigen Bacteriophage Assay for galactose, Beutler Enzyme Assay, Paper Chromatography (several types), Murphey Assays.
N.Y.	Guthrie Bacterial Inhibition Assay for MSUD (Branch chain ketonuria). Beutler Spot Test modified for galactosemia. These two screening tests are applied to all blood spots from newborns in Eastern New York State.
N.C.	Automated Fluorometric by Norman J. Hochella for tyrosine.
Ohio	Guthrie method for homocystinuria. Beutler and Baluda for galactosemia.
Ore.	Guthrie Bacterial Inhibition Assay, Paper Chromatography, Liquid Chromatography, Fluorometric.
W.Va.	TLC on select cases from Bureau of Maternal and Child Health.
Guam	Qualitative screening tests on urine from NYHAN - amino acids metabolism and genetic variation.

TABLE 3-4. ALCOHOL PROGRAMS

Ariz.	The alcohol program consists of the following: Issuance of analyst permits to qualified applicants of laboratories after successful completion of written and practical examination. Biannual proficiency testing of holders of analyst permits. Monitoring and approval of courses for training applicants for operator permits. Issuance of operator permits to qualified applicants of law enforcement agencies. Approval of breath testing devices.
Ark.	Responsibility of Division of Environmental Laboratories.
Cal.	The State Department of Health is authorized by law to administer the forensic alcohol analysis and licensing program. Every laboratory performing forensic alcohol analysis must have a valid license issued in accordance with the provisions of the regulations, and alcohol analysis shall be performed only by persons who meet the qualifications set forth for Forensic Alcohol Supervisors, Forensic Alcohol Analysts, or Forensic Alcohol Analyst Trainees. To meet the qualifications for licensing a laboratory must maintain an internal quality control program, demonstrate satisfactory performance in a proficiency testing program conducted by or approved by the Department, and pass such on-site inspections as the Department may require. The Department must approve any training program held for persons to qualify under these regulations. Each licensed Forensic Alcohol Laboratory shall have on file with the Department detailed, up-to-date written descriptions of each method it uses for alcohol analysis. These methods must meet stated standards of performance. The testing of breath samples must also be performed in accordance with standards set forth in the regulations.
Conn.	Samples of blood, urine, and breath are submitted for alcohol analyses by law enforcement agencies for driving under the influence cases. Alcohol determinations are also made on blood and organs in cases involving highway fatalities, homicides and deaths from unknown causes. These determinations are done for medical examiners and pathologists. At present, all alcohol determinations are done by gas chromatography.
D.C.	Two alcohol programs: 1. Alcohol in relation to driving (DWD). 2. Alcohol as a disease - Rehabilitation Center for Alcoholics. Mental Health Administration.
Fla.	The Florida Implied Consent Law was passed in 1967 and became effective in 1969. The Division of Health was charged with responsibility of approving breath testing equipment, certifying, and permitting of qualified personnel performing breath or blood alcohol tests, and calibration of test equipment. Enforcement of the law rests with the Department of Highway Safety and Motor Vehicles, State and local law enforcement agencies. The Department of Education supervises and conducts breath testing training courses for law enforcement technicians. As of December 31, 1972, there were 2,602 individuals approved for alcohol testing. Of these, 2,480 were permitted as alcohol breath testing technicians, 70 as testing instructors, and 46 chemists and technologists for performance of blood alcohol tests. In addition, 366 Breathalyzer machines were registered. Permits are re-issued to breath testing technicians on the basis of satisfactory completion of re-qualifying courses every three years and satisfactory performance in annual on-site proficiency testing. Chemists and technologists are required to demonstrate proficiency in testing of unknowns sent out quarterly. Blood alcohol tests are also performed on request.
Ida.	State law requires "quantitative tests for alcohol, narcotics and other dangerous drugs" on blood specimens collected from all drivers and adult pedestrians killed in motor vehicle accidents. The Central Laboratory and all five branch laboratories also provide blood and breath alcohol testing services to all State and local law enforcement agencies.
Ill.	Testing is performed on blood samples for alcohol, carbon monoxide and volatile drugs on all persons involved in a fatal car accident who are designated as a driver, suspected driver or pedestrian. Pedestrians must be 16 years of age or older. There is no age limit on drivers or suspected drivers. (Cook County is handled by their own toxicological laboratory.) As soon as the program can be coordinated testing will be done on urine as well as blood for drugs and narcotics. This could start by January 1, 1974.
Ia.	The tube encapsulation method is used for breath alcohol specimen collection, and the analysis is performed on an intoximeter gas chromatograph. Gas chromatographic analysis of specimens for blood alcohol content is also available. Breath collection kits are assembled by the laboratory and distributed to law enforcement officers for use.

TABLE 3-4. ALCOHOL PROGRAMS
(Continued)

Kans.	Blood alcohol specimens are analyzed for law enforcement agencies, coroners, and hospitals, using the gas chromatographic head-space gas technique. Reference standards and test samples are provided for the breath analysis program of the Kansas Highway Patrol. Training sessions and evaluation of performance for the breath alcohol technicians have been provided. The breath alcohol program is being expanded to all law enforcement agencies.
La.	Act no. 273, 1968, states: "Chemical analyses of the person's blood, urine, breath or other bodily substance, to be considered valid under the provisions of this part, shall have been performed according to methods approved by the State department of health and by an individual possessing a valid permit issued by said department for this purpose. The State department of health is authorized to approve satisfactory techniques or methods, to ascertain the qualifications and competence of individuals to conduct such analyses, and to issue permits which shall be subject to termination or revocation at the discretion of the department."
Me.	Under Implied Consent Law of 1967, Laboratory analyzes approximately 50% of blood and breath samples obtained by Maine law enforcement personnel; distributes blood and breath collection containers; conducts visitation and proficiency testing program for certification of analysts; trains law officers in breath collection techniques; financed by Federal Department of Transportation.
Mich.	Laboratory performs chemical analysis of blood and urine; supervises statewide Breathalyzer program, including training, certification and annual recertification of Breathalyzer operators; gives expert testimony in Michigan courts on blood, urine and breath analysis and on the effects of alcohol on driving.
Miss.	Training, issuing permits, etc. to law officers in breath testing program (Highway program).
Mo.	State Implied Consent Law. Breath analysis.
Mont.	Highway Safety Division - Department of Transportation. Laboratory back-up for Montana's "implied consent" law. The Laboratory distributes SM-7 Sobermeters to law enforcement officers and runs them when returned. Also trains and certifies operators and operator-supervisors for 14 Alco-Analyzers located in police departments. Quality control on these installations is also a responsibility of the Laboratory. A chemist from the Laboratory provides expert testimony in court.
Nebr.	State has licensed chemists for DWI testing since 1949 by law. The Laboratory started a direct breath, blood, and urine program on 10/1/72 on a pilot demonstration basis for the Nebraska State Patrol, but not for local law enforcement. The Laboratory conducts training and evaluation for supervisors and operators of local alcohol test units.
N.J.	Department has a program; no laboratory work involved.
N.M.	Under New Mexico Implied Consent Law, a driver suspected of driving while under the influence of intoxicants may be required to provide a sample of his breath. Laboratory analyzes breath and blood samples for alcohol content, trains and certifies law enforcement officers in obtaining breath samples, and provides expert witnesses to present evidence in court.
N.Y.	Voluntary certification of individuals in laboratory blood alcohol and in breath alcohol analysis carried out under Vehicle and Traffic Law. The laboratory phase is dependent upon proficiency testing and the breath analysis upon an approved course of training with both types of procedures having to be carried out according to the Administrative Rules and Regulations of the Department of Health.
N.C.	Located in the Medical Examiner Program.
Ohio	Goal is to minimize traffic crashes and fatalities related to driving under the influence of alcohol, through development of legislative requirements, statewide capability of breath testing facilities by law enforcement agencies and laboratories, and development of public support. Essential elements of the program include proficiency surveys and furnishing calibration standards, training courses and workshops, and publicity.

TABLE 3-4. ALCOHOL PROGRAMS
(Continued)

Ore.	Performed by Occupational Health Laboratory.
Utah	Service. Not a program.
Vt.	Alcohol testing program consists of blood and breath analyses. The State Laboratory performed 1,500 blood alcohol determinations. The State Medical Examiners office performed about 2,000 breath alcohol tests.
Wisc.	Performs alcohol on all traffic fatalities. Performs implied consent alcohols on bloods and urines. Certifies other laboratories in the State to perform above. With Division of Health provides a laboratory evaluation program for laboratories in the program.
Wyo.	Under the Implied Consent Law, the Public Health Laboratory is responsible for certifying personnel to perform testing and approving test methods. Since no laboratories have requested certification the State public health laboratory performs all blood alcohol analyses. In addition, the State laboratory assists in the supervision of law enforcement breath testing and provides training for breath test operators.
P.R.	In charge of alcohol determinations in blood and urine samples as part of a program of the Justice Department to ensure the fulfillment of Law 141, Section 5-801 and its regulations.

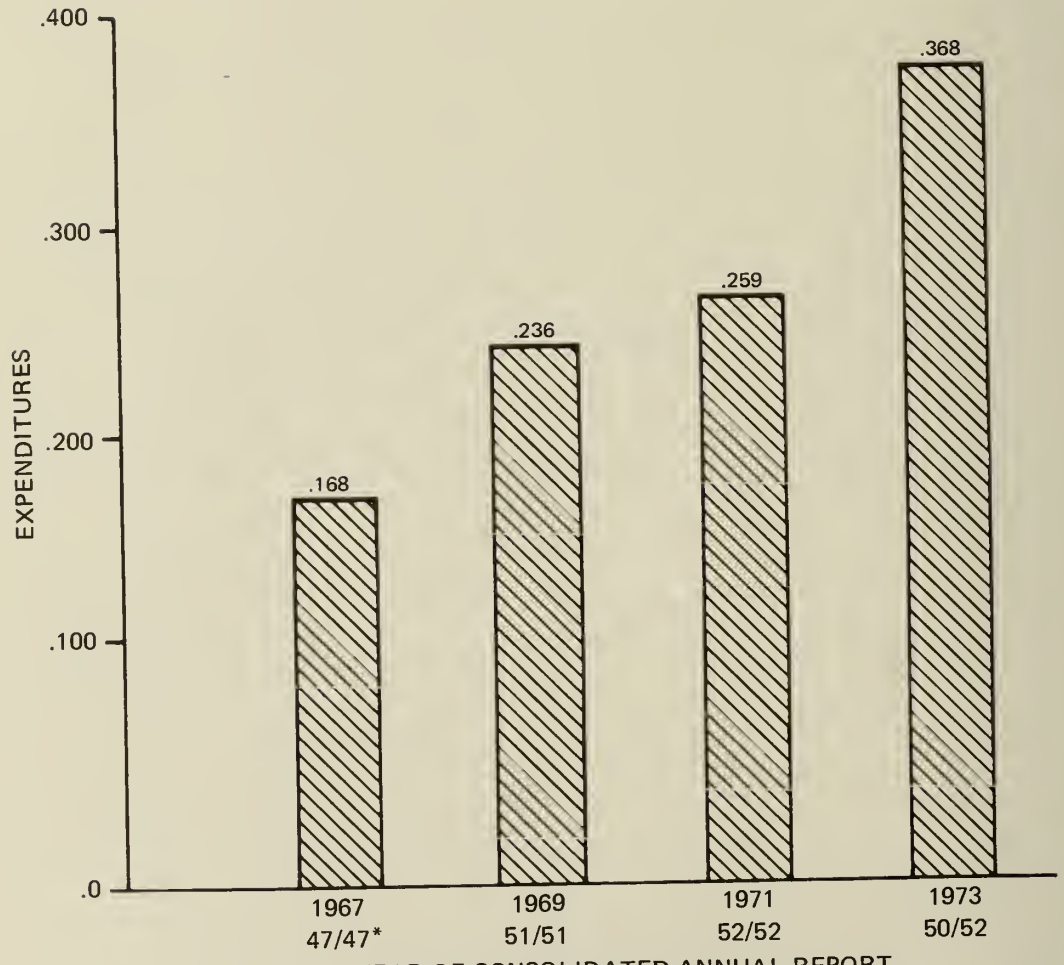
TABLE 3-5. OTHER SCREENING PROGRAMS

	List of Programs
Ariz.	Sickle cell screening.
Conn.	Tay-Sachs Disease, Cooleys anemia, lead poisoning, gonorrhea.
D.C.	Stroke prevention - cholesterol screening. Lead poisoning prevention - blood lead levels. Drugs and alcohol screening for WIN program. Screening for GC, particularly in females.
Fla.	Hemoglobinopathies - screening of Medicaid recipients up to 21 years of age.
Ill.	Sickle cell electrophoretic screening service to community clinics.
Ia.	Childhood blood lead.
Ky.	Sickle cell, cholinesterase, VDRL test, intestinal parasites.
La.	Group A beta hemolytic streptococci, GC cultures, sickle cell (electrophoresis), PKU (Guthrie).
Me.	Blood lead screening.
Md.	Sickle cell screening.
Mass.	Umbilical cord blood screening for galactosemia, maternal PKU, hereditary angioneurotic edema, and alpha-1 antitrypsin deficiency; newborn blood screening for homocystinuria, maple syrup urine disease, tyrosinosis, and galactosemia; newborn urine screening for many amino acid and organic acid disorders.
Minn.	PKU, syphilis screening for late latent syphilis.
Mont.	Total cholesterols.
Nev.	Occasional sickle cell screen.
N.H.	Diabetes.
N.J.	Blood lead.
N.M.	Sickle Cell Detection Program (a laboratory service for the estimation of hemoglobinopathies, using the Helena electrophoresis equipment was initiated in Jan. 1973. A computer was requisitioned in June 1973. This service was made available to Blacks under 21 years of age who are receiving welfare payments. This service will also become available to Black school children in response to legislation passed in March 1973.)
N.Y.	Gonorrhea screening. PKU screening, galactosemia, MSUD.
N.C.	Diabetes.
Ohio	Blood lead, for a local health department.
Okla.	Sickle cell, gonorrhea, glucose, cholesterol.
Ore.	Rubella for Prenatal and Family Planning.
R.I.	Diabetes, lead, maple syrup urine disease, monocystinuria, galactosemia, sickle cell anemia.
S.C.	Sickle cell and other hemoglobinopathies, blood lead for selected counties, parasitology, rubella.
Wash.	Sickle cell, PKU, GC.
W.Va.	Hemoglobinopathy - Sickle Cell Detection Program.
V.I.	Diabetes Screening.

SECTION IV

FINANCES

Figure 3
LABORATORY EXPENDITURES PER CAPITA



*47/47 = INDICATES 47 STATES REPORTED THIS TYPE DATA OUT OF 47 STATES REPORTING

TABLE 4-1. LABORATORY EXPENDITURES

	Estimated Population (a)	Laboratory Expenditures (b)	Laboratory Expenditures Per Capita
Ala.	3,479,000	$ 1,912,900	$ 0.550
Alaska	313,000	580,000	1.853
Ariz.	1,849,000	637,431	0.345
Ark.	1,944,000	428,701	0.221
Cal.	20,223,000	5,142,000	0.254
Colo.	2,283,000	*	*
Conn.	3,081,000	2,267,067	0.736
Del.	558,000	173,347	0.311
D.C.	741,000	1,059,362	1.430
Fla.	7,041,000	1,865,679	0.265
Ga.	4,664,000	1,785,413	0.383
Hawaii	789,000	620,842	0.787
Ida.	732,000	593,854	0.811
Ill.	11,196,000	2,043,922	0.183
Ind.	5,274,000	712,343	0.135
Ia.	2,852,000	1,447,822	0.508
Kans.	2,258,000	801,045	0.355
Ky.	3,282,000	721,396	0.220
La.	3,681,000	1,462,612	0.397
Me.	1,003,000	531,865	0.530
Md.	4,000,000	3,278,159	0.820
Mass.	5,758,000	*	*
Mich.	8,997,000	6,394,800	0.711
Minn.	3,881,000	*	*
Miss.	2,226,000	559,963	0.252
Mo.	4,749,000	487,057	0.103
Mont.	708,000	320,836	0.453
Nebr.	1,512,000	243,371	0.161
Nev.	507,000	266,649	0.526
N.H.	762,000	202,300	0.265
N.J.	7,300,000	3,417,365	0.468
N.M.	1,030,000	590,387	0.573
N.Y.	18,391,000	9,431,000	0.513
N.C.	5,146,000	1,531,542	0.298
N.D.	625,000	255,737	0.409
Ohio	10,778,000	1,919,480	0.178
Okla.	2,610,000	489,191 (c)	0.187
Ore.	2,158,000	555,323	0.257
Pa.	11,879,000	*	*
R.I.	960,000	908,000	0.946
S.C.	2,627,000	912,403	0.347
S.D.	670,000	161,011	0.240
Tenn.	3,990,000	1,407,900	0.353
Tex.	11,460,000	2,742,072	0.239
Utah	1,099,000	592,467	0.539
Vt.	458,000	320,778	0.700
Va.	4,714,000	779,558	0.165
Wash.	3,449,000	985,865 (d)	0.286
W.Va.	1,752,000	598,815	0.342
Wisc.	4,476,000	2,772,625	0.619
Wyo.	340,000	120,887	0.356
Guam	85,000	138,158	1.625
P.R.	2,712,000	830,342	0.306
V.I.	62,000	155,289	2.505

TABLE 4-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE

	Total Expenditures	Expenditures For Salaries	% of Total Expenditures For Salaries	Expenditures For Personnel Benefits	% of Total Expenditures For Personnel Benefits
Ala.	$ 1,912,900	$ 1,341,200	70.1	$ 130,000	6.8
Alaska	580,000	324,000	55.9	56,000	9.7
Ariz.	637,431	463,124	72.7	59,989	9.4
Ark.	428,701	314,635	73.4	39,774	9.3
Cal.	5,142,000	4,400,000	85.6	77,000	1.5
Colo.	*	*	*	*	*
Conn.	2,267,067	1,894,323	83.6	-	-
Del.	173,347	122,109	70.4	-	-
D.C.	1,059,362	762,833	72.0	63,315	6.0
Fla.	1,865,679	1,428,545	76.6	-	-
Ga.	1,785,413	1,410,269	79.0	232,299	13.0
Hawaii	620,842	519,010	83.6	-	-
Ida.	593,854	387,805	65.3	53,325	9.0
Ill.	2,043,922	1,564,652	76.5	142,540	7.0
Ind.	712,343	678,071	95.2	(e)	-
Ia.	1,447,822	1,014,805	70.1	122,934	8.5
Kans.	801,045	543,079	67.8	62,325	7.8
Ky.	721,396	470,080	65.2	62,740	8.7
La.	1,462,612	1,124,474	76.9	119,139	8.1
Me.	531,865	361,235	67.9	32,511	6.1
Md.	3,278,159	2,573,401	78.5	- (f)	-
Mass.	*	*	*	*	*
Mich.	6,394,800	3,995,945	62.5	658,126	10.3
Minn.	*	*	71.0	*	10.8
Miss.	559,963	373,461	66.7	46,588	8.3
Mo.	487,057	341,436	70.1	42,639	8.8
Mont.	320,836 (g)	186,466	58.1	19,778	6.2
Nebr.	243,371	175,264	72.0	12,338	5.1
Nev.	266,649	201,881	75.7	17,543	6.6
N.H.	202,300	157,000	77.6	13,800	6.8
N.J.	3,417,365	2,372,462	69.4	117,680	3.5
N.M.	590,387	326,658	55.3	38,061	6.4
N.Y.	9,431,000	5,080,000	53.9	1,992,000	21.1
N.C.	1,531,542	998,876	65.2	158,199	10.3
N.D.	255,737	193,172	75.5	18,834	7.4
Ohio	1,919,480	908,238	47.3	287,369	15.0
Okla.	489,191	372,386	76.1	66,301	13.6
Ore.	555,323	350,832	63.2	52,192	9.4
Pa.	*	*	*	*	*
R.I.	908,000	715,000	78.8	74,000	8.1
S.C.	912,403	647,867	71.0	55,013	6.0
S.D.	161,011	132,531	82.3	8,920	5.6
Tenn.	1,407,900	1,125,890	80.0	123,840	8.8
Tex.	2,742,072	1,588,330	57.9	181,740	6.6
Utah	592,467	423,698	71.5	74,478	12.6
Vt.	320,778	248,975	77.6	-	-
Va.	779,558	602,026	77.2	1,727	0.2
Wash.	985,865 (d)	518,000	52.5	55,000	5.6
W.Va.	598,815	402,645	67.2	6,992	1.2
Wisc.	2,772,625	1,949,277	70.3	-	-
Wyo.	120,887	78,728	65.1	9,110	7.6
Guam	138,158	96,679	70.0	9,056	6.5
P.R.	830,342	650,087	78.3	15,061	1.8
V.I.	155,289	110,991	71.5	21,846	14.1

TABLE 4-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

	Expenditures For Supplies	% of Total Expenditures For Supplies	Expenditures For Equipment	% of Total Expenditures For Equipment
Ala.	$ (h)	(h)	$ 68,100	3.6
Alaska	55,000	9.5	14,800	2.5
Ariz.	71,497	11.2	1,621	0.2
Ark.	68,946	16.1	278	<0.1
Cal.	440,000	8.6	168,000	3.2
Colo.	*	*	*	*
Conn.	162,990	7.2	86,614	3.8
Del.	17,100	9.9	10,750	6.2
D.C.	184,824	17.4	27,517	2.6
Fla.	354,502	19.0	64,029	3.4
Ga.	116,077	6.5	15,000	0.8
Hawaii	65,341	10.5	35,381	5.7
Ida.	99,937	16.8	38,462	6.5
Ill.	108,239	5.3	29,904	1.5
Ind.	3,149	0.4	(e)	(e)
Ia.	239,959	16.6	32,915	2.3
Kans.	70,536	8.8	17,246	2.2
Ky.	183,107	25.4	710	0.1
La.	122,984	8.4	4,344	0.3
Me.	94,364	17.8	34,508	6.5
Md.	335,913	10.2	48,212	1.5
Mass.	*	*	*	*
Mich.	746,475	11.7	66,766	1.0
Minn.	*	16.5	*	1.5
Miss.	111,546	19.9	18,990	3.4
Mo.	76,770	15.8	20,124	4.1
Mont.	15,491	4.8	16,840	5.2
Nebr.	21,507	8.9	7,874	3.2
Nev.	41,725	15.6	2,000	0.8
N.H.	29,000	14.3	2,000	1.0
N.J.	776,433	22.7	42,267	1.2
N.M.	88,242	15.0	74,498	12.6
N.Y.	1,179,000	12.5	300,000	3.2
N.C.	249,976	16.3	52,821	3.5
N.D.	24,064	9.4	4,855	1.9
Ohio	286,502	14.9	297,751	15.5
Okla.	31,207	6.4	1,230	0.2
Ore.	55,142	9.9	1,112	0.2
Pa.	*	*	*	*
R.I.	66,000	7.3	9,000	1.0
S.C.	134,313	14.7	29,169	3.2
S.D.	18,060	11.2	(i)	(i)
Tenn.	89,740	6.4	8,000	0.6
Tex.	793,242 (j)	28.9	173,672	6.4
Utah	55,923	9.4	8,208	1.4
Vt.	51,800	16.2	2,995	0.9
Va.	108,257	13.9	7,588	1.0
Wash.	187,000	19.0	206,000	20.9
W.Va.	93,692	15.6	6,986	1.2
Wisc.	683,848	24.7	40,000	1.4
Wyo.	18,646	15.4	1,676	1.4
Guam	16,932	12.3	2,490	1.8
P.R.	44,000	5.3	51,398	6.2
V.I.	7,916	5.1	6,972	4.5

TABLE 4-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

	Expenditures For Travel	% of Total Expenditures For Travel	Other Expenditures	% of Total For Other Expenditures
Ala.	$ 11,000	0.6	$ 362,600 (h)	18.9
Alaska	7,200	1.2	123,000 (k)	21.2
Ariz.	7,000	1.1	34,200	5.4
Ark.	889	0.2	4,179	1.0
Cal.	57,000	1.1	-	-
Colo.	*	*	*	*
Conn.	1,795	0.1	121,345	5.3
Del.	888	0.5	22,500 (l)	13.0
D.C.	5,873	0.6	15,000 (m)	1.4
Fla.	18,603	1.0	-	-
Ga.	11,768	0.7	-	-
Hawaii	1,110	0.2	-	-
Ida.	14,325	2.4	-	-
Ill.	11,573	0.6	187,014	9.1
Ind.	4,382	0.6	(e)	-
Ia.	31,875	2.2	5,334	0.3
Kans.	6,857	0.8	101,002	12.6 (n)
Ky.	4,709	0.6	50	-
La.	5,537	0.4	86,134	5.9
Me.	9,247	1.7	-	-
Md.	2,948	0.1	317,685	9.7
Mass.	*	*	*	*
Mich.	21,325	0.3	906,163	14.2
Minn.	*	0.2	*	-
Miss.	3,461	0.6	5,917	1.1
Mo.	6,088	1.2	-	-
Mont.	4,400	1.4	77,861 (g)	24.3
Nebr.	2,482	1.0	23,906	9.8
Nev.	2,000	0.8	1,500	0.5
N.H.	500	0.3	-	-
N.J.	45,702	1.3	62,821	1.9
N.M.	8,056	1.4	54,872	9.3
N.Y.	64,000	0.7	816,000	8.6
N.C.	9,490	0.6	62,180	4.1
N.D.	2,818	1.1	11,994	4.7
Ohio	9,623	0.5	129,997	6.8
Okla.	1,279	0.3	16,788	3.4
Ore.	2,178	0.4	93,867	16.9
Pa.	*	*	*	*
R.I.	3,000	0.3	41,000	4.5
S.C.	11,086	1.2	34,955	3.9
S.D.	1,500	0.9	-	-
Tenn.	7,500	0.5	52,930	3.7
Tex.	5,088	0.2	-	-
Utah	2,900	0.5	27,260	4.6
Vt.	1,500	0.5	15,508	4.8
Va.	5,371	0.7	54,590	7.0
Wash.	5,000	0.5	14,865	1.5
W.Va.	2,500	0.4	86,000	14.4
Wisc.	(o)	(o)	99,500	3.6
Wyo.	4,702	3.9	8,025	6.6
Guam	-	-	13,001	9.4
P.R.	10,000	1.2	59,464	7.2
V.I.	1,139	0.7	6,425	4.1

TABLE 4-3. SOURCES OF LABORATORY FUNDS

	Expenditures	State Appropriation	Percent Appropriated by State	Federal Contributions	Percent Contributed by Federal Govt.
Ala.	$ 1,912,900	$ 1,081,770	56.6	$ 831,130	43.4
Alaska	580,000	539,700	93.1	40,300	6.9
Ariz.	637,431	130,279	20.4	507,152	79.6
Ark.	428,701	242,438	56.6	162,971	38.0
Cal.	5,142,000	5,034,000	97.9	-	-
Colo.	*	*	*	*	*
Conn.	2,267,067	1,937,008	85.4	328,324	14.5
Del.	173,347	104,833	60.5	68,514	39.5
D.C.	1,059.362	722,239 (p)	68.2	337,123	31.8
Fla.	1,865,679	933,265	50.0	912,414	48.9
Ga.	1,785,413	1,765,294	98.9	-	-
Hawaii	620,842	547,398	88.2	73,444	11.8
Ida.	593,854	246,902	41.6	214,700	36.1
Ill.	2,043,922	1,785,915	87.4	258,007	12.6
Ind.	712,343	580,348	81.5	131,995	18.5
Ia.	1,447,822	827,000	57.1	-	-
Kans.	801,045	530,576	66.2	175,570	21.9
Ky.	721,396	565,891	78.4	155,505	21.6
La.	1,462,612	1,364,319	93.3	46,484	2.8
Me.	531,865	241,102	45.3	149,708	28.2
Md.	3,278,159	3,256,096	99.3	22,063	0.7
Mass.	*	*	*	*	*
Mich.	6,394,800	5,183,300	81.1	1,140,100	17.8
Minn.	*	*	70.0	*	30.0
Miss.	559,963	203,730	36.4	330,557	59.0
Mo.	487,057	23,289	4.8	463,768	95.2
Mont.	320,836	86,468	27.0	149,262	46.5
Nebr.	243,371	52,814	21.7	168,924	69.4
Nev.	266,649	160,149	60.1	105,000	39.4
N.H.	202,300	114,300	56.5	88,000	43.5
N.J.	3,417,365	1,814,673	53.1	1,602,692	46.9
N.M.	590,387	548,581	92.9	41,806	7.1
N.Y.	9,431,000	8,600,000	91.2	233,000	2.5
N.C.	1,531,542	1,054,736	68.9	306,985	20.0
N.D.	255,737	102,635	40.1	153,102	59.9
Ohio	1,919,480	776,433	40.5	733,119	38.2
Okla.	489,191	195,576	40.0	286,919	58.6
Ore.	555,323	332,122	59.8	176,357	31.8
Pa.	*	*	*	*	*
R.I.	908,000	769,000	84.7	139,000	15.3
S.C.	912,403	563,426	61.7	265,396	29.1
S.D.	161,011	70,034	43.5	90,977	56.5
Tenn.	1,407,900	1,352,900	96.1	55,000	3.9
Tex.	2,742,072	705,714	25.7	1,669,063	60.9
Utah	592,467	351,173	59.3	241,294	40.7
Vt.	320,778	188,478	58.8	132,300	41.2
Va.	779,558	771,762	99.0	7,796	1.0
Wash.	985,865	*	*	*	*
W.Va.	598,815	323,751	54.1	184,064	30.7
Wisc.	2,772,625	2,180,757	78.6	29,500	1.1
Wyo.	120,887	55,104	45.6	40,411	33.4
Guam	138,158	103,158	74.7	35,000	25.3
P.R.	830,342	794,148	95.6	6,400	0.8
V.I.	155,289	155,289	100.0	-	-

TABLE 4-3. SOURCES OF LABORATORY FUNDS
(Continued)

	Earned Income (Reimbursement For Services)	% of Total Expenditures From Earned Income	Other Sources	% of Total Expenditures From Other Sources
Ala.	$ -	-	$ -	-
Alaska	-	-	-	-
Ariz.	-	-	-	-
Ark.	4,500	1.0	18,792	4.4
Cal.	108,000	2.1	-	-
Colo.	*	*	*	*
Conn.	-	-	1,735	0.1
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	20,000	1.1	-	-
Ga.	20,119	1.1	-	-
Hawaii	-	-	-	-
Ida.	50,000	8.4	82,252 (q)	13.9
Ill.	-	-	-	-
Ind.	-	-	-	-
Ia.	216,164	14.9	404,658 (r)	28.0
Kans.	94,899	11.9	-	-
Ky.	-	-	-	-
La.	-	-	57,809 (s)	3.9
Me.	141,055	26.5	-	-
Md.	-	-	-	-
Mass.	*	*	*	*
Mich.	-	-	71,400	1.1
Minn.	-	-	-	-
Miss.	25,676	4.6	-	-
Mo.	-	-	-	-
Mont.	23,395	7.3	61,711 (f)	19.2
Nebr.	21,633	8.9	-	-
Nev.	-	-	1,500 (t)	0.5
N.H.	-	-	-	-
N.J.	-	-	-	-
N.M.	-	-	-	-
N.Y.	-	-	598,000 (u)	6.3
N.C.	169,821	11.1	-	-
N.D.	-	-	-	-
Ohio	-	-	409,928 (v)	21.3
Okla.	-	-	6,696	1.4
Ore.	46,844	8.4	-	-
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	-	-	83,581 (w)	9.2
S.D.	-	-	-	-
Tenn.	-	-	-	-
Tex.	367,295	13.4	-	-
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W.Va.	5,000 (x)	0.8	86,000 (y)	14.4
Wisc.	562,368	20.3	-	-
Wyo.	-	-	25,372	21.0
Guam	-	-	-	-
P.R.	29,794	3.6	-	-
V.I.	-	-	-	-

SECTION IV. FOOTNOTES

(a) Estimated population as of July 1, 1971. Taken from Statistical Abstract of the United States: 1972. U. S. Bureau of the Census. (93rd Edition) Washington, D.C., 1972, pages 14 and 792. Figures for Guam, Puerto Rico, and the Virgin Islands are as of April 1, 1970, based on census count.

(b) Figures represent the latest complete fiscal year, July 1, 1972 - June 30, 1973, with these exceptions: Florida, 1/1/72 - 12/31/72; New York, 4/1/72 - 3/31/73; and Texas, 9/1/72 - 8/31/73.

(c) Does not include personnel and supplies funded by other agency departments and projects but assigned to the laboratory.

(d) This figure represents main Laboratory expenses only. It does not include budget of $271,852 for Pesticide Laboratory which was incorporated with State Public Health Laboratory during this period. The figure includes approximately $225,000 especially appropriated, over and above regular budget, to remodel facilities, replace obsolete equipment, and purchase new equipment for radiation program.

(e) Breakdown of expenditures for Equipment, Personnel Benefits, and Other Expenditures is not available.

(f) Not in Laboratory budget.

(g) The Laboratory budget was actually $259,125. However, money from other project budgets finds its way into the Laboratory, either by way of assignment of personnel or through picking up the tab for extra supplies and equipment. This extra money, which amounted to $61,711 for FY 1973, is shown with "Other Expenditures" in this Table.

(h) Supplies and Other Expenditures included together.

(i) Equipment included with Supplies.

(j) Supplies are provided for 24 regional laboratories in local health departments.

(k) Other Expenditures includes space rental, utilities, printing, telephone, postage, freight, building repairs, building maintenance, and equipment repair.

(l) Contractual services.

(m) Consultant services.

(n) Includes building repair, $24,756.

(o) Included in Supplies.

(p) Only 95% is available; 5% withheld by Mayor-Commissioner.

(q) Supplemental during the year: State funds, $14,000; LEPC grants, $49,227; Traffic Safety, $9,375; State Attorney General, $2,650; 314-D funds, $7,000.

(r) Grants and contracts.

(s) Wildlife and Fisheries.

(t) Laboratory licensure receipts.

(u) Health Research, Inc. grant monies.

(v) OEPA Contract, $366,661; Hill-Burton Funds, $43,267.

(w) Pesticide Study Contract, $31,861; Air Contract, $20,505; Laboratory Training Grant, $18,938; Drug Rehabilitation Program, $12,277.

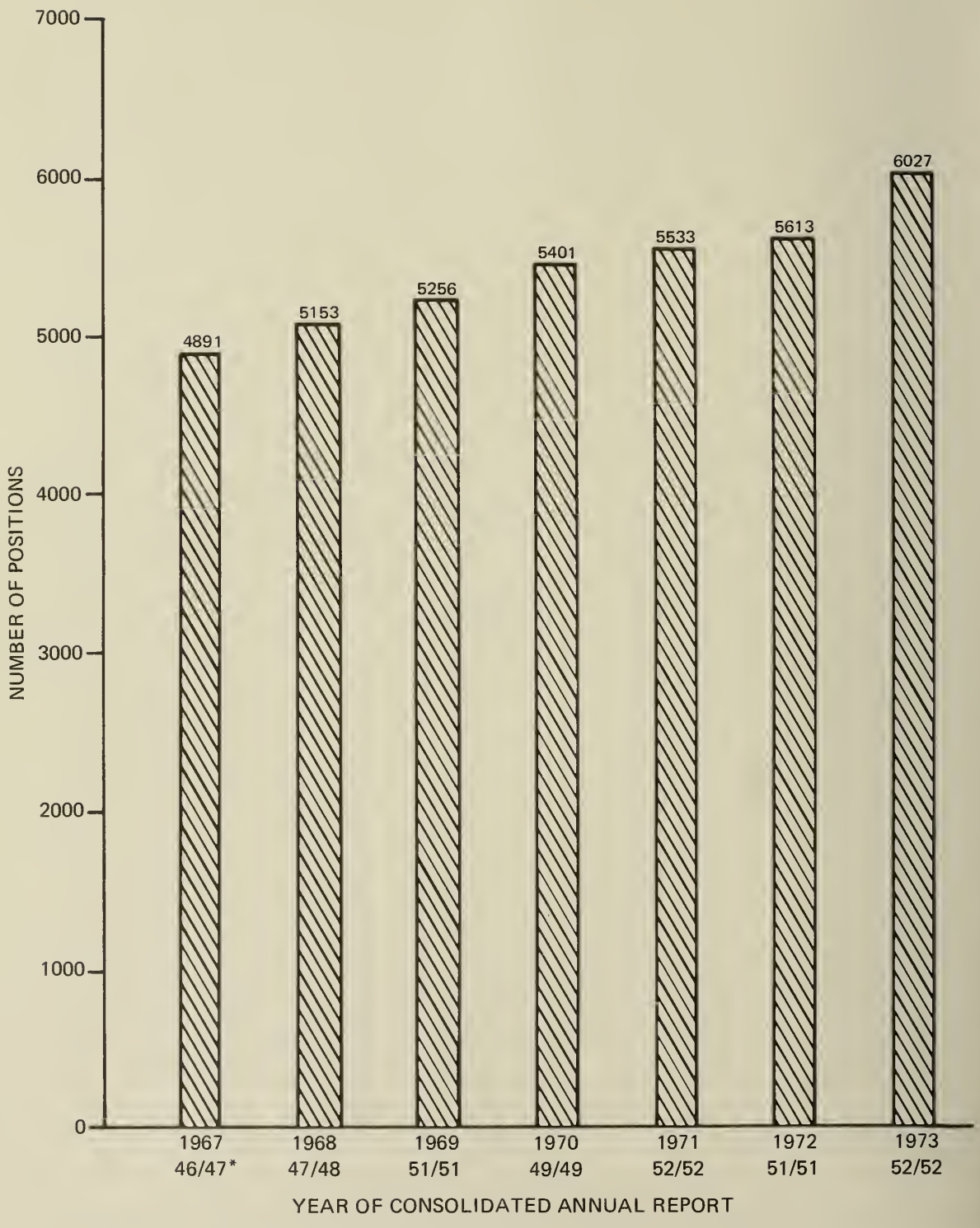
(x) Evaluation and certification of laboratories participating in medicaid, paid by W.Va. Department of Welfare.

(y) Spent from other program budgets (Maternal and Child Health; Heart Disease) and lapsed funds.

SECTION V

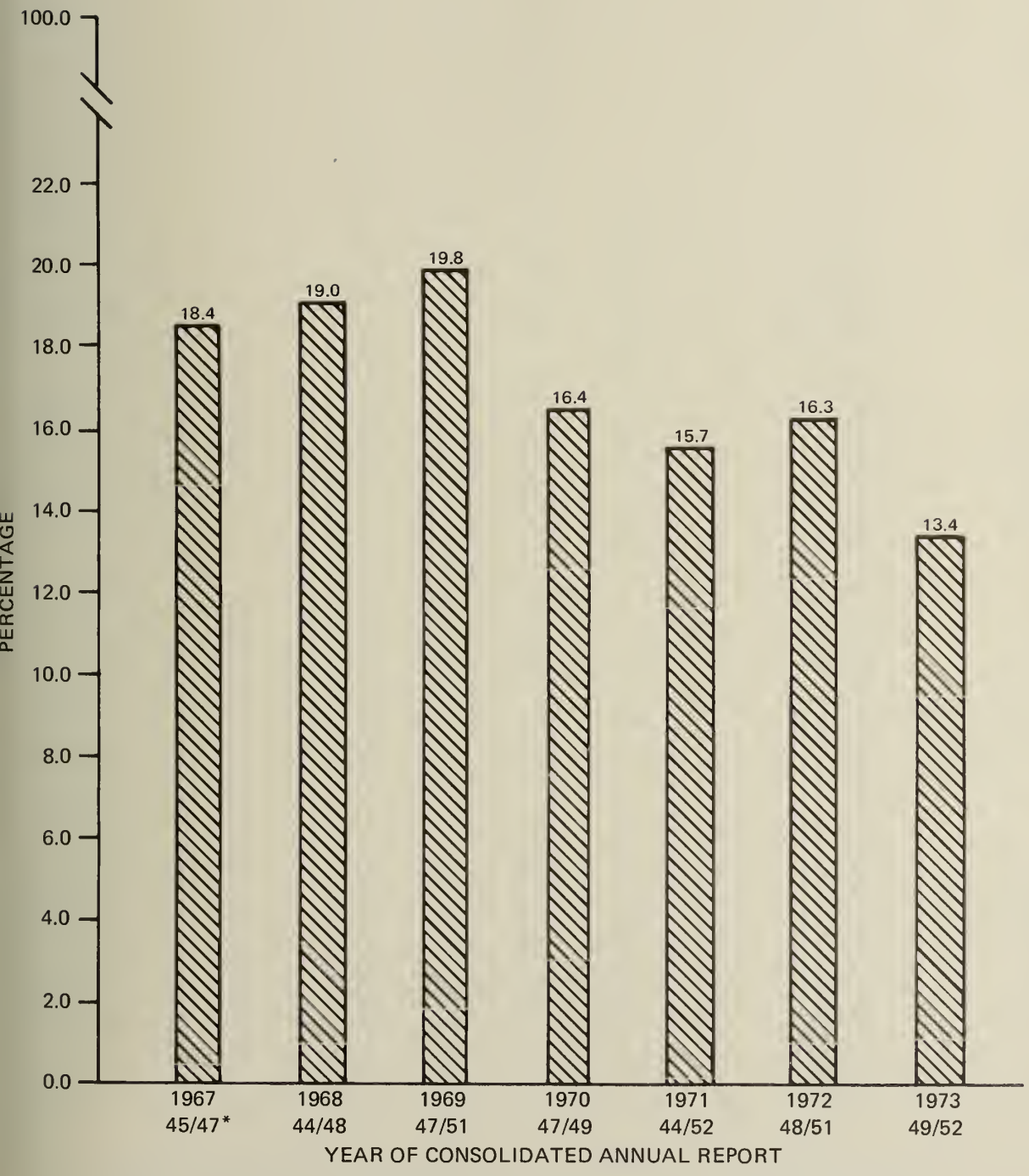
PERSONNEL

Figure 4
POSITIONS AUTHORIZED FOR
STATE PUBLIC HEALTH LABORATORIES



*46/47 = INDICATES 46 STATES REPORTED THIS TYPE DATA OUT OF 47 STATES REPORTING

Figure 5
PERCENTAGE OF TURNOVER
IN ALL POSITIONS



*45/47 = INDICATES 45 STATES REPORTED THIS TYPE DATA OUT OF 47 STATES REPORTING

TABLE 5-1. LABORATORY STAFFING

	Total Budgeted Positions	Management Positions (a)	Clerical Positions (b)	Professional and Technical Positions (c)	Supportive Services Positions (d)	Maintenance Positions (e)
Ala.	193	12	25	115	40	1
Alaska	26	4	6	11	5	-
Ariz.	51	2	10	31	7	1
Ark.	52	1	9	33	8	1
Cal.	298	14	37	195	52	-
Colo.	*	*	*	*	*	*
Conn.	219	6	34	142	36	1
Del.	31	1	3	22	5	-
D.C.	74	2	7	62	3	-
Fla.	222	15	29	131	45	2
Ga.	159	5	25	90	38	1
Hawaii	51	2	4	32	13	-
Ida.	50	2	7	37	1	3
Ill.	134	12	22	84	13	3
Ind.	73	7	12	42	12	-
Ia.	104	9	15	66	14	-
Kans.	70 (f)	1	13	45 (f)	10 (f)	1
Ky.	68	6	8	34	19	1
La.	149	7	36	72	34	-
Me.	47	2	7	32	6	-
Md.	275	3	35	192	37	8
Mass.	227	15	41	74	80	17
Mich.	405	16	33	226	86	44
Minn.	88	1	18	52	17	-
Miss.	48	1	9	30	8	-
Mo.	51	2	6	33	9	1
Mont.	21	-	4	11	6	-
Nebr.	27	2	5	17	3	-
Nev.	26 (g)	2	2	15	7	-
N.H.	20	1	4	13	2	-
N.J.	224	9	24	142	49	-
N.M.	56	3	14	33	5	1
N.Y.	732	12	102	450	84	84
N.C.	124	10	16	78	19	1
N.D.	28	2	6	15	4	1
Ohio	179	7	21	111	28	12
Okla.	55 (h)	2	7	30	16	-
Ore.	45	2	9	30	4	-
Pa.	*	*	*	*	*	*
R.I.	59	2	7	41	9	-
S.C.	117	7	12	83	14	1
S.D.	20	1	2	11	5	1
Tenn.	152	7	25	93	21	6
Tex.	172	4	23	119	26	-
Utah	61	3	5	46	7	-
Vt.	26	5	4	13	4	-
Va.	87	5	15	53	14	-
Wash.	72 (i)	8	14	37 (i)	12	1
W.Va.	56	4	11	31	6	4
Wisc.	156 (i)	5	25	102	24 (i)	-
Wyo.	12 (f)	1	1	8 (f)	2 (f)	-
Guam	14	1	1	11	1	-
P.R.	141	2	16	89	19	15
V.I.	9	1	1	6	1	-

TABLE 5-2. PERSONNEL DISTRIBUTION

	PERCENT OF TOTAL				
	Management Positions %	Clerical Positions %	Professional and Technical Positions %	Supportive Services Positions %	Maintenance Positions %
Ala.	6.2	13.0	59.6	20.7	0.5
Alaska	15.4	23.1	42.3	19.2	-
Ariz.	3.9	19.6	60.8	13.7	2.0
Ark.	1.9	17.3	63.5	15.4	1.9
Cal.	4.7	12.4	65.4	17.5	-
Colo.	*	*	*	*	*
Conn.	2.7	15.5	64.9	16.4	0.5
Del.	3.2	9.7	71.0	16.1	-
D.C.	2.7	9.4	83.9	4.0	-
Fla.	6.7	13.1	59.0	20.3	0.9
Ga.	3.1	15.7	56.6	23.9	0.7
Hawaii	3.9	7.9	62.7	25.5	-
Ida.	4.0	14.0	74.0	2.0	6.0
Ill.	9.0	16.4	62.7	9.7	2.2
Ind.	9.6	16.4	57.6	16.4	-
Ia.	8.6	14.4	63.5	13.5	-
Kans.	1.4	18.6	64.3	14.3	1.4
Ky.	8.8	11.8	50.0	27.9	1.5
La.	4.7	24.2	48.3	22.8	-
Me.	4.2	14.9	68.1	12.8	-
Md.	1.1	12.7	69.8	13.5	2.9
Mass.	6.6	18.1	32.6	35.2	7.5
Mich.	4.0	8.1	55.8	21.2	10.9
Minn.	1.1	20.5	59.1	19.3	-
Miss.	2.1	18.7	62.5	16.7	-
Mo.	3.9	11.8	64.7	17.6	2.0
Mont.	-	19.0	52.4	28.6	-
Nebr.	7.4	18.5	63.0	11.1	-
Nev.	7.7	7.7	57.7	26.9	-
N.H.	5.0	20.0	65.0	10.0	-
N.J.	4.0	10.7	63.4	21.9	-
N.M.	5.4	25.0	58.9	8.9	1.8
N.Y.	1.6	13.9	61.5	11.5	11.5
N.C.	8.1	12.9	62.9	15.3	0.8
N.D.	7.1	21.4	53.6	14.3	3.6
Ohio	3.9	11.7	62.0	15.7	6.7
Okla.	3.6	12.7	54.6	29.1	-
Ore.	4.4	20.0	66.7	8.9	-
Pa.	*	*	*	*	*
R.I.	3.4	11.9	69.5	15.2	-
S.C.	6.0	10.2	70.9	12.0	0.9
S.D.	5.0	10.0	55.0	25.0	5.0
Tenn.	4.6	16.4	61.2	13.8	4.0
Tex.	2.3	13.4	69.2	15.1	-
Utah	4.9	8.2	75.4	11.5	-
Vt.	19.2	15.4	50.0	15.4	-
Va.	5.8	17.2	60.9	16.1	-
Wash.	11.1	19.4	51.4	16.7	1.4
W.Va.	7.1	19.7	55.4	10.7	7.1
Wisc.	3.2	16.0	65.4	15.4	-
Wyo.	8.3	8.3	66.7	16.7	-
Guam	7.1	7.1	78.6	7.1	-
P.R.	1.4	11.4	63.1	13.5	10.6
V.I.	11.1	11.1	66.7	11.1	-

TABLE 5-3. NEW POSITIONS ESTABLISHED DURING REPORTING PERIOD

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total No. of New Positions
Ala.	1	1	2	-	-	4
Ark.	-	1	2	-	-	3
Cal.	1	-	-	-	-	1
Conn.	-	1	5	1	-	7
D.C.	-	1	7	-	-	8
Fla.	-	3	17	1	-	21
Ga.	-	2	6	-	1	9
Ida.	-	-	7	1	1	9
Ill.	1	5	9	3	-	18
Ind.	-	-	2	-	-	2
Ia.	-	2	6	1	-	9
Kans.	-	1	2 (f)	2 (f)	-	5
Ky.	1	-	5	1	-	7
Me.	-	-	2	1	-	3
Mass.	2	8	4	14	5	33
Mich.	-	3	11	-	-	14
Minn.	-	2	3	-	-	5
Miss.	-	1	4	-	-	5
Mo.	-	-	2	-	-	2
Nebr.	-	1	1	-	-	2
N.J.	-	-	2	1	-	3
N.Y.	-	3	25	-	-	28
N.C.	-	-	3	-	-	3
N.D.	-	1	-	-	-	1
Ohio	-	4	12	3	-	19
Okla.	-	-	2	-	-	2
R.I.	-	-	1	-	-	1
S.C.	-	-	17 (j)	1	1	19
S.D.	-	-	2	-	-	2
Tenn.	-	5	5	7	-	17
Tex.	-	1	17	5	-	23
Vt.	-	-	1	-	-	1
Va.	-	1	3	-	-	4
W.Va.	1	2	4	1	1	9
Wisc.	-	1	3	1	-	5
Wyo.	-	-	1	-	-	1
V.I.	-	-	4	2	-	6

TABLE 5-4. POSITIONS ABOLISHED DURING REPORTING PERIOD

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total No. of Positions Abolished
Cal.	1	-	-	-	-	1
Conn.	-	-	1	-	-	1
D.C.	-	1	-	-	-	1
Ga.	-	1	1	-	-	2
Ill.	-	5	10	-	-	15
Ia.	-	1	3	-	-	4
Mass.	-	1	11	-	-	12
Mich.	-	-	2	-	-	2
Miss.	-	-	1	1	-	2
Nebr.	-	-	1	-	-	1
N.J.	-	-	5	-	-	5
Okla.	-	-	1	1	-	2
S.C.	-	-	-	-	1	1
Tex.	-	-	3	-	-	3

TABLE 5-5. TOTAL NUMBER OF EMPLOYEES HIRED DURING YEAR

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total Hired
Ala.	-	3	8	4	-	15
Alaska	-	3	1 (k)	3	-	7
Ariz.	-	2	6	3	-	11
Ark.	-	3	10	7	-	20
Cal.	-	4	-	2	-	6
Colo.	*	*	*	*	*	*
Conn.	-	4	28	7	-	39
Del.	1	-	4	2	-	7
D.C.	-	1	9	1	-	11
Fla.	-	7	29	17	-	53
Ga.	-	10	18	10	1	39
Hawaii	-	-	-	-	-	-
Ida.	2	7	44	2	4	59
Ill.	1	6	13	3	2	25
Ind.	-	-	7	-	-	7
Ia.	-	3	11	2	-	16
Kans.	-	4	12	4 (1)	1	21 (1)
Ky.	1	4	5	4	-	14
La.	-	4	9	4	-	17
Me.	-	1	7	1	-	9
Md.	-	4	11	3	-	18
Mass.	4	10	6	26	2	48
Mich.	-	5	37	16	8	66
Minn.	-	4	5	7	-	16
Miss.	-	1	3	2	-	6
Mo.	-	1	8	7	-	16
Mont.	-	-	-	1	-	1
Nebr.	-	1	6	1	-	8
Nev.	-	-	3	-	-	3
N.H.	-	1	-	-	-	1
N.J.	-	3	12	5	-	20
N.M.	*	*	*	*	*	*
N.Y.	1	21	43	11	26	102
N.C.	-	4	15	2	-	21
N.D.	-	3	4	-	-	7
Ohio	-	9	23	10	-	42
Okla.	1	1	1	7	-	10
Ore.	1	3	5	1	-	10
Pa.	*	*	*	*	*	*
R.I.	-	1	5	-	-	6
S.C.	-	2	15	4	1	22
S.D.	-	-	2	-	-	2
Tenn.	-	4	9	11	-	24
Tex.	-	3	33	8	-	44
Utah	-	3	8	7	-	18
Vt.	-	1	3	-	-	4
Va.	1	4	6	-	-	11
Wash.	-	2 (i)	6	2	-	10 (i)
W.Va.	1	2	6	3	1	13
Wisc.	-	6	24	10	-	40
Wyo.	-	-	2	-	-	2
Guam	-	-	-	-	-	-
P.R.	-	-	-	1	-	1
V.I.	-	-	-	-	-	-

TABLE 5-6. RESIGNATIONS AND SEPARATIONS DURING REPORTING PERIOD

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total Resignations and Separations
Ala.	-	1	6	4	-	11
Alaska	-	3	-	3	-	6
Ariz.	-	2	8	3	-	13
Ark.	-	3	6	7	-	16
Cal.	1	4	11	4	-	20
Colo.	*	*	*	*	*	*
Conn.	-	4	23	6	-	33
Del.	-	-	2	-	-	2
D.C.	-	1	3	-	-	4
Fla.	1	5	18	12	-	36
Ga.	-	9	15	12	-	36
Hawaii	-	-	-	-	-	-
Ida.	-	1	2	-	3	6
Ill.	1	7	9	6	4	27
Ind.	-	1	4	2	-	7
Ia.	-	3	7	1	-	11
Kans.	-	4	9	4 (1)	1	18
Ky.	-	2	1	4	-	7
La.	-	1	3	3	-	7
Me.	-	1	7	1	-	9
Md.	-	3	11	3	-	17
Mass.	-	10	6	8	3	27
Mich.	2	3	28	15	9	57
Minn.	-	4	3	9	-	16
Miss.	-	2	3	2	-	7
Mo.	-	1	7	7	-	15
Mont.	-	-	-	1	-	1
Nebr.	-	-	6	1	-	7
Nev.	-	-	2	-	-	2
N.H.	-	1	-	-	-	1
N.J.	-	3	11	10	-	24
N.M.	*	*	*	*	*	*
N.Y.	-	14	37	9	21	81
N.C.	-	3	9	2	-	14
N.D.	-	2	4	-	-	6
Ohio	-	5	8	7	-	20
Okla.	-	1	3	7	-	11
Ore.	1	3	5	1	-	10
Pa.	*	*	*	*	*	*
R.I.	1	-	3	-	-	4
S.C.	-	2	9	4	1	16
S.D.	-	-	-	-	-	-
Tenn.	-	2	2	5	-	9
Tex.	1	2	22	3	-	28
Utah	1	3	7	7	-	18
Vt.	-	1	2	-	-	3
Va.	1	4	6	-	-	11
Wash.	-	1	7	1	-	9
W.Va.	-	3	8	2	-	13
Wisc.	-	5	13	10	-	28
Wyo.	-	-	2	-	-	2
Guam	1	-	-	-	-	1
P.R.	-	1	4	1	-	6
V.I.	-	1	-	-	-	1

TABLE 5-7. NUMBER OF POSITIONS FILLED AS OF CLOSING DATE OF PERIOD COVERED BY REPORT

(Number of Vacancies in Parentheses)

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total Filled Positions	Percent Budgeted Positions Filled
Ala.	12	25	115	40	1	193	100.0
Alaska	4	5 (1)	11	5	-	25 (1)	96.2
Ariz.	2	9 (1)	29 (2)	6 (1)	1	47 (4)	92.2
Ark.	1	9	32 (1)	7 (1)	1	50 (2)	96.2
Cal.	13 (1)	35 (2)	184 (11)	50 (2)	-	282 (16)	94.6
Colo.	*	*	*	*	*	*	*
Conn.	6	31 (3)	131 (11)	33 (3)	1	202 (17)	92.2
Del.	1	3	22	5	-	31	100.0
D.C.	2	6 (1)	54 (8)	3	-	65 (9)	87.8
Fla.	15	28 (1)	127 (4)	42 (3)	2	214 (8)	96.4
Ga.	5	23 (2)	88 (2)	37 (1)	1	154 (5)	96.9
Hawaii	1 (1)	4	31 (1)	12 (1)	-	48 (3)	94.1
Ida.	2	7 (m)	37 (m)	1	3	50	100.0
Ill.	12	19 (3)	75 (9)	12 (1)	- (3)	118 (16)	88.1
Ind.	7	12	40 (2)	12	-	71 (2)	97.3
Ia.	9	14 (1)	63 (3)	13 (1)	-	99 (5)	95.2
Kans.	1	13	45 (f)	10 (f)	1	70 (f)	100.0
Ky.	6	8	33 (1)	19	1	67 (1)	98.5
La.	7	36	72	34	-	149	100.0
Me.	2	7	32	6	-	47	100.0
Md.	3	35	185 (7)	37	8	268 (7)	97.5
Mass.	14 (1)	35 (6)	70 (4)	70 (10)	12 (5)	201 (26)	88.5
Mich.	15 (1)	32 (1)	217 (9)	85 (1)	44	393 (12)	97.0
Minn.	1	16 (2)	51 (1)	15 (2)	-	83 (5)	94.3
Miss.	1	7 (2)	27 (3)	8	-	43 (5)	89.6
Mo.	2	6	32 (1)	9	1	50 (1)	98.0
Mont.	-	4	11	6	-	21	100.0
Nebr.	1 (1)	5	17	3	-	26 (1)	96.3
Nev.	2	2	12 (3)	7	-	23 (3)	88.5
N.H.	1	4	13	2	-	20	100.0
N.J.	8 (1)	20 (4)	124 (18)	41 (8)	-	193 (31)	86.2
N.M.	*	*	*	*	*	*	*
N.Y.	11 (1)	88 (14)	396 (54)	82 (2)	83 (1)	660 (72)	90.2
N.C.	10	16	77 (1)	19	1	123 (1)	99.2
N.D.	2	6	15	4	1	28	100.0
Ohio	7	17 (4)	98 (13)	25 (3)	12	159 (20)	88.8
Okla.	2	7	29 (1)	14 (2)	-	52 (3)	94.5
Ore.	2	9	30	4	-	45	100.0
Pa.	*	*	*	*	*	*	*
R.I.	2	7	41	9	-	59	100.0
S.C.	7	11 (1)	78 (5)	14	1	111 (6)	94.9
S.D.	1	2	11	5	1	20	100.0
Tenn.	7	22 (3)	91 (2)	20 (1)	6	146 (6)	96.1
Tex.	3 (1)	23	116 (3)	26	-	168 (4)	97.7
Utah	2 (1)	5	46	7	-	60 (1)	98.4
Vt.	5	4	13	4	-	26	100.0
Va.	5	14 (1)	53	14	-	86 (1)	98.9
Wash.	8	14	31 (6)	10 (2)	1	64 (8)	88.9
W.Va.	4	10 (1)	26 (5)	6	4	50 (6)	89.3
Wisc.	5	25	96 (6)	24 (i)	-	150 (6) (i)	96.2
Wyo.	1	1	7 (1) (f)	2 (f)	-	11 (1) (f)	91.7
Guam	- (1)	1	11	1	-	13 (1)	92.9
P.R.	2	15 (1)	85 (4)	19	15	136 (5)	96.5
V.I.	1	1	6 (4)	1 (2)	-	9 (6) (n)	100.0

TABLE 5-8. PERCENT TURNOVER IN ALL POSITIONS

	Total Filled Positions	Turnover		Percent Turnover
		Resignations	Separations	
Ala.	193	11	-	5.7
Alaska	25	6	-	24.0
Ariz.	47	12	1	27.7
Ark.	50	10	6	32.0
Cal.	282	14	6	7.1
Colo.	*	*	*	*
Conn.	202	31	2	16.3
Del.	31	2	-	6.5
D.C.	65	4	-	6.2
Fla.	214	28	8	16.8
Ga.	154	34	2	23.4
Hawaii	48	-	-	-
Ida.	50	6	-	12.0
Ill.	118	17	10	22.9
Ind.	71	6	1	9.9
Ia.	99	6	5	11.1
Kans.	70	16	1	24.3
Ky.	67	6	1	10.4
La.	149	7	-	4.7
Me.	47	7	2	19.1
Md.	268	15	2	6.3
Mass.	201	22	5	13.4
Mich.	393	53	4	14.5
Minn.	83	16	-	19.3
Miss.	43	6	1	16.3
Mo.	50	14	1	30.0
Mont.	21	-	1	4.8
Nebr.	26	7	-	26.9
Nev.	23	2	-	8.7
N.H.	20	1	-	5.0
N.J.	193	23	1	12.4
N.M.	*	*	*	*
N.Y.	660	66	15	12.3
N.C.	123	13	1	11.4
N.D.	28	6	-	21.4
Ohio	159	20	-	12.6
Okla.	52	11	-	21.2
Ore.	45	8	2	22.2
Pa.	*	*	*	*
R.I.	59	4	-	6.8
S.C.	111	16	-	14.4
S.D.	20	-	-	-
Tenn.	146	8	1	6.2
Tex.	168	26	2	16.7
Utah	60	1	17	30.0
Vt.	26	3	-	11.5
Va.	86	7	4	12.8
Wash.	64	9	-	14.1
W.Va.	50	10	3	26.0
Wisc.	150	28	-	18.7
Wyo.	11	2	-	18.2
Guam	13	1	-	7.7
P.R.	136	6	-	4.4
V.I.	9	1	-	11.1

TABLE 5-9. PERCENT TURNOVER IN PROFESSIONAL AND TECHNICAL POSITIONS

	Professional and Technical Positions Filled	Turnover		Percent Turnover
		Resignations	Separations	
Ala.	115	6	-	5.2
Alaska	11	-	-	-
Ariz.	29	8	-	27.6
Ark.	32	5	1	18.8
Cal.	184	9	2	6.0
Colo.	*	*	*	*
Conn.	131	22	1	17.6
Del.	22	2	-	9.1
D.C.	54	3	-	5.6
Fla.	127	14	4	14.2
Ga.	88	15	-	17.0
Hawaii	31	-	-	-
Ida.	37	2	-	5.4
Ill.	75	7	2	12.0
Ind.	40	3	1	10.0
Ia.	63	3	4	11.1
Kans.	45	8	1	20.0
Ky.	33	1	-	3.0
La.	72	3	-	4.2
Me.	32	5	2	21.9
Md.	185	10	1	5.9
Mass.	70	6	-	8.6
Mich.	217	27	1	12.9
Minn.	51	3	-	5.9
Miss.	27	3	-	11.1
Mo.	32	7	-	21.9
Mont.	11	-	-	-
Nebr.	17	6	-	35.3
Nev.	12	2	-	16.7
N.H.	13	-	-	-
N.J.	124	10	1	8.9
N.M.	*	*	*	*
N.Y.	396	34	3	9.3
N.C.	77	9	-	11.7
N.D.	15	4	-	26.7
Ohio	98	8	-	8.2
Okla.	29	3	-	10.3
Ore.	30	3	2	16.7
Pa.	*	*	*	*
R.I.	41	3	-	7.3
S.C.	78	9	-	11.5
S.D.	11	-	-	-
Tenn.	91	1	1	2.2
Tex.	116	21	1	19.0
Utah	46	-	7	15.2
Vt.	13	2	-	15.4
Va.	53	3	3	11.3
Wash.	31	7	-	22.6
W.Va.	26	6	2	30.8
Wisc.	96	13	-	13.5
Wyo.	7	2	-	28.6
Guam	11	-	-	-
P.R.	85	4	-	4.7
V.I.	6	-	-	-

SECTION V. FOOTNOTES

(a) Includes Laboratory Directors and Assistant Directors, and Business Managers and Management Officers who spend more than 50 percent of their time on administration and management of laboratory activities.

(b) Includes Secretaries in the Office of the Director, office services staff, supply and procurement clerks, budget and fiscal clerks and others, other than those covered in supportive services and other categories.

(c) Those primarily engaged in examining and testing specimens and samples including Laboratory Assistants and Laboratory Helpers who contribute directly to the performance of laboratory tests.

(d) Includes personnel engaged in preparation of glassware, media, shipping containers, animal handling work, messengers, and supply personnel.

(e) Includes those who install, repair, or perform preventive maintenance on equipment and maintenance of buildings including housekeeping.

(f) Includes one professional and technical half-time employee, and one supportive services half-time employee.

(g) Includes 3 positions on GC grant.

(h) Includes 5½ salaries funded by other agency departments.

(i) Includes one half-time employee.

(j) Some positions were reclassified, remaining in same budgeted item.

(k) Temporary position.

(l) Includes two part time employees.

(m) Report does not include 10 employees (9 technical, 1 clerical) who are with Community Pesticide Project.

(n) Vacancies represent new positions just established.

SECTION VI

LABORATORY FIELD ACTIVITIES

TABLE 6-1. NUMBER OF FIELD INVESTIGATIONS, INSPECTIONS, OR CONSULTATIONS

	Investigations					
	Water Pollution Control	Air Pollution Control	Occupational Health And Safety	Laboratory Inspections	Hospital Facility Inspections (Other Than Labs)	Court Appearances Or Other Legal Proceedings
Ala.	-	-	-	35	-	-
Alaska	-	-	-	12	-	2
Ariz.	-	-	-	151	-	14
Ark.	-	-	-	-	-	-
Cal.	3	94	15	198	-	30
Colo.	*	*	*	*	*	*
Conn.	2	45	2	300	-	68
Del.	-	-	-	-	-	-
D.C.	-	-	-	155	-	96
Fla.	-	-	-	295	-	437
Ga.	-	-	-	155	-	-
Hawaii	-	-	-	23	-	-
Ida.	-	-	-	48	-	115
Ill.	-	-	-	176	-	-
Ind.	-	-	-	62	-	1
Ia.	87	16	15	92	25	26
Kans.	-	-	-	210	-	29
Ky.	-	-	-	-	-	-
La.	-	-	-	12	-	-
Me.	-	-	-	16	1	276
Md.	-	84	-	236	-	3
Mass.	-	-	-	320	10	-
Mich.	-	-	-	287	86	-
Minn.	-	-	-	25	-	1
Miss.	-	-	-	11	-	-
Mo.	-	-	-	184	47	16
Mont.	-	-	-	-	-	30
Nebr.	-	-	-	-	-	185
Nev.	-	-	-	75	-	2
N.H.	-	-	-	3	-	-
N.J.	-	-	-	348	-	2
N.M.	*	*	*	*	*	*
N.Y.	-	-	-	1,602	-	-
N.C.	-	-	-	303	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	266	-	13
Okla.	-	-	-	19	-	-
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	40	-	-
S.C.	-	-	-	-	-	-
S.D.	2	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	23	-	-
Utah	10	-	5	73	-	535
Vt.	-	-	-	-	-	-
Va.	-	-	-	15	-	-
Wash.	*	*	*	*	*	*
W.Va.	-	-	-	125	3	-
Wisc.	50	36	243	1,600	-	25
Wyo.	-	-	-	71	-	5
Guam	-	-	-	-	-	-
P.R.	9	4	-	600	-	458
V.I.	-	-	-	12	12	-

TABLE 6-1. NUMBER OF FIELD INVESTIGATIONS, INSPECTIONS, OR CONSULTATIONS
(Continued)

	Consultation with:					Total Field Investigations, Inspections, or Consultations
	Professional Societies	Federal Agencies	State Agencies	County Agencies	City or Local Agencies	
Ala.	-	-	-	-	-	35
Alaska	4	10	-	-	-	-
Ariz.	3	2	- (a)	- (a)	2	172
Ark.	-	-	-	-	-	-
Cal.	30	15	50	40	10	485
Colo.	*	*	*	*	*	*
Conn.	24	28	24	-	12	505
Del.	-	-	-	-	-	-
D.C.	-	9	-	-	150	410
Fla.	-	(b)	(b)	(b)	(b)	732
Ga.	-	-	-	-	-	155
Hawaii	-	2	11	-	3	39
Ida.	* (a)	-	-	-	-	163
Ill.	7	3	5	2	14	207
Ind.	-	1	-	2	-	66
Ia.	57	13	86	1	23	615 (c)
Kans.	-	-	-	-	-	239
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	6	8	24	-	14	345
Md.	34	12	68	26	10	473
Mass.	19	24	35	-	52	460
Mich.	-	-	-	-	-	373
Minn.	5	14	-	-	-	45
Miss.	4	6	5	4	3	33
Mo.	3	6	10	7	4	277
Mont.	-	-	-	-	14	44
Nebr.	35	28	60	45 (d)	(d)	353
Nev.	-	-	-	-	-	77
N.H.	2	1	3	-	-	9
N.J.	-	-	-	-	-	350
N.M.	*	*	*	*	*	*
N.Y.	-	-	-	-	-	1,602
N.C.	-	-	-	-	-	-
N.D.	3	15	30	15	6	69
Ohio	-	-	11	-	-	290
Okla.	5	-	-	-	-	24
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	40
S.C.	-	-	* (e)	-	-	*
S.D.	-	-	-	20	10	32
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	23
Utah	-	2	5	7	2	639
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	15
Wash.	*	*	*	*	*	* (f)
W.Va.	-	-	-	-	-	128
Wisc.	34	25	115	5	57	2,190
Wyo.	2	3	60	-	-	141
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	1,071
V.I.	-	6	-	-	10	40

TABLE 6-2. NUMBER OF MAN-DAYS SPENT IN FIELD ACTIVITIES

	Investigations					
	Water Pollution Control	Air Pollution Control	Occupational Health And Safety	Laboratory Inspections	Hospital Facility Inspections (Other Than Labs)	Court Appearances Or Other Legal Proceedings
Ala.	-	-	-	20	-	-
Alaska	-	-	-	20	-	5
Ariz.	-	-	-	260	-	5
Ark.	-	-	-	-	-	-
Cal.	45	300	35	150	-	18
Colo.	*	*	*	*	*	*
Conn.	2	42	½	174	-	32
Del.	-	-	-	-	-	-
D.C.	-	-	-	516	-	300
Fla.	-	-	-	*	-	126
Ga.	-	-	-	155	-	-
Hawaii	-	-	-	25	-	-
Ida.	-	-	-	130	-	28
Ill.	-	-	-	135	-	14
Ind.	5	-	-	94	-	1
Ia.	168	248	26	84	24	32
Kans.	-	-	-	125	-	20
Ky.	-	-	-	-	-	-
La.	-	-	-	12	-	-
Me.	-	-	-	20	1	251
Md.	-	18	-	154	-	2
Mass.	-	-	-	203	10	-
Mich.	-	-	-	300	43	-
Minn.	-	-	-	13	-	4
Miss.	-	-	-	9	-	-
Mo.	-	-	-	184	47	16
Mont.	-	-	-	-	-	60
Nebr.	-	-	-	-	-	75
Nev.	-	-	-	60	-	1
N.H.	-	-	-	3	-	-
N.J.	-	-	-	500	-	5
N.M.	*	*	*	*	*	*
N.Y.	-	-	-	*	-	-
N.C.	-	-	-	750	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	130	-	17
Okla.	-	-	-	19	-	-
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	40	-	-
S.C.	-	-	-	-	-	-
S.D.	30	-	-	20	-	-
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	26	-	-
Utah	5	-	9	73	-	142
Vt.	-	-	-	-	-	-
Va.	-	-	-	30	-	-
Wash.	*	*	*	*	*	*
W.Va.	-	-	-	101	6	-
Wisc.	90	65	675	1,300	-	25
Wyo.	-	-	-	31	-	3
Guam	-	-	-	-	-	-
P.R.	1,630	120	-	-	-	-
V.I.	-	-	-	12	6	-

TABLE 6-2. NUMBER OF MAN-DAYS SPENT IN FIELD ACTIVITIES
(Continued)

	Consultation with:					Total Man-Days Spent in Field Activities
	Professional Societies	Federal Agencies	State Agencies	County Agencies	City or Local Agencies	
Ala.	-	-	-	-	-	20
Alaska	10	15	-	-	-	50
Ariz.	2	3	-	-	2	272
Ark.	-	-	-	-	-	-
Cal.	65	30	50	30	10	733
Colo.	*	*	*	*	*	*
Conn.	12	14	12	-	6	294½
Del.	-	-	-	-	-	-
D.C.	-	84	-	-	300	1,200
Fla.	-	(b)	(b)	(b)	(b)	*
Ga.	-	-	-	-	-	155
Hawaii	-	3	4	-	1	33
Ida.	-	-	-	-	-	158
Ill.	53	53	37	22	24	338
Ind.	-	1	-	4	-	105
Ia.	156	39	91	1	31	1,089 (c)
Kans.	-	-	-	-	-	145
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	2	4	70	-	10	358
Md.	8	3	17	9	3	214
Mass.	26	36	48	-	12	335
Mich.	-	-	-	-	-	343
Minn.	7	100	-	-	-	125
Miss.	2	3	2½	1½	2	20
Mo.	7	3	10	7	4	278
Mont.	-	-	-	-	14	74
Nebr.	15	20	40	30 (d)	(d)	186
Nev.	-	-	-	-	-	61
N.H.	1	½	1	-	-	5½
N.J.	-	-	-	-	-	505
N.M.	*	*	*	*	*	*
N.Y.	-	-	-	-	-	*
N.C.	-	-	-	-	-	-
N.D.	3	4	60	30	12	109
Ohio	-	-	14	-	-	161
Okla.	5	-	-	-	-	24
Ore.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
R.I.	-	-	-	-	-	40
S.C.	-	-	*	-	-	*
S.D.	4	-	-	-	-	54
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	26
Utah	-	11	16	7	1	264
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	30
Wash.	*	*	*	*	*	* (f)
W.Va.	-	-	-	-	-	107
Wisc.	34	25	115	5	57	2,391
Wyo.	3	4	15	-	-	56
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	1,750
V.I.	-	6	-	-	5	29

SECTION VI. FOOTNOTES

(a) Not documented.

(b) Numerous consultations held throughout the year, but no records kept.

(c) Includes the following not shown in the breakdown: arbovirus surveillance project, 22 (85 man-days); microwave oven inspections, 11 (9 man-days); travelling workshops, 26 (61 man-days); venereal disease education, 115 (34 man-days).

(d) County and City or Local included together.

(e) (1) Laboratory Committee, Governor's Management Commission; (2) Task Force on Laboratory Procedures, Commission on Narcotics and Controlled Substances, Office of the Governor; (3) Medical Technology students on Medical Laboratory; Technicians rotate through Laboratory as part of their training; (4) member of Advisory Committee for training of medical laboratory technicians from State Technical Education Centers.

(f) While these activities do occur, they are not singled out as specific laboratory objectives and therefore records are not maintained.

SECTION VII

MISCELLANEOUS INFORMATION

TABLE 7-1. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES (a)

	Lab Space Increased or Changed During FY 73	Net Gain in Space During FY 73	Year Present Lab Completed	Planning for or Construction of New Lab Currently in Progress	If yes, current status of Planning or Construction: Anticipated. Definite need for space. Lab trying to establish needs. Architect has not been retained for planning.	Planning funds have been appropriated.
Ala.	-	-	1954	X	X	X
Alaska	X	1,700 sq. ft.	1972 (b)	X (b)	-	-
Ariz.	-	-	1954	X	-	X
Ark.	-	-	1969	X	-	X
Conn.	-	-	1967	X	-	X
Del.	X	9,008 sq. ft.	1960	-	-	-
Fla.	-	-	1954 (c)	X (c)	X	-
Hawaii	-	-	1961	X	X (d)	X (d)
Ida.	- (e)	-	1965	X	X	-
Ill.	X	(f)	1973	-	-	-
Ia.	X	2,793 sq. ft.	1926	-	-	-
Kans.	-	-	1967	X	-	X
Md.	-	-	1948	X	-	-
Mass.	-	-	1948 (g)	X	-	-
Mich.	-	-	1936-71 (h)	X	-	X
Mo.	-	-	1939	X	X	-
Mont.	X	500 sq. ft.	1957	-	-	-
Nebr.	X	300%	1973	-	-	-
Nev.	X	20%	1965	X (i)	X	-
N.H.	X	20,000 sq. ft.	1973	-	-	-
N.M.	-	-	*	X	-	X
N.Y.	-	-	1918-48	X	-	-
N.C.	-	-	1940	X	-	-
Okla.	X	*	1973	-	-	-
Ore.	-	-	1951	X	X	-
R.I.	-	-	1935 (j)	X	X	-
Tenn.	-	-	1953	X	-	-
Utah	-	-	1953	X	-	-
Wisc.	-	-	1953	X	-	-
Wyo.	-	-	1952	X	-	-
Guam	X	2,154 sq. ft.	1973	-	-	-
V.I.	X	2,918 sq. ft.	1973	-	-	-

TABLE 7-1. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES (a)
(Continued)

	Current Status of Planning or Construction:					
	Architect Has Been Selected	Planning by Architects and Engineers is in Progress	Construction Funds Have Been Appropriated	Planning by Architects and Engineers Essentially Complete	Project Has Been Advertised for Bids	Contractor Has Been Selected and Construction Began or Should Begin on or About:
Ala.	-	-	-	-	-	-
Alaska	X	X	X	X	X	4/1/74
Ariz.	X	X	X	-	-	-
Ark.	X	X	-	-	-	-
Conn.	X	X	X	X	-	-
Del.	-	-	-	-	-	-
Fla.	-	-	-	-	-	-
Hawaii	-	-	X (d)	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	X	X	-	X	-	-
Md.	-	-	-	-	-	*
Mass.	-	-	-	-	-	-
Mich.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.M.	-	X	X	-	-	-
N.Y.	-	-	-	-	-	1963
N.C.	-	-	-	-	-	-
Okla.	-	-	-	-	-	-
Ore.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
Tenn.	X	-	-	-	-	-
Utah	-	-	-	-	-	6/11/73
Wisc.	-	-	-	-	-	11/72
Wyo.	-	-	-	-	-	3/73
Guam	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 7-1. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES (a)
(Continued)

	Current Status: Estimated Date of Completion of Construction	Estimated Costs for Construction of Facilities	Estimated Gross Sq. Ft. to be Constructed (Sq. Ft.)	Estimated Net Space in Building (Sq. Ft.)
Ala.	-	$ 3,000,000	30,000	(k)
Alaska	Feb. 1975	*	2,220 (l)	35,000
Ariz.	Aug. 1975	2,359,000	40,000	*
Ark.	-	4,500,000	(m)	(m)
Conn.	Aug. 1975	4,000,000	48,000	46,000
Del.	-	-	-	-
Fla.	-	1,364,000	-	-
Hawaii	-	650,000	3,785	2,000
Ida.	-	-	-	-
Ill.	-	-	-	
Ia.	-	-	-	-
Kans.	1974	1,308,639	-	20,284 (n)
Md.	July 1974	15,000,000 (o)	160,000	80,000
Mass.	Dec. 1973	12,025,199	193,000	155,000
Mich.	-	700,000	-	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	1,500,000	6,000	5,500
N.H.	-	-	-	-
N.M.	April 1975	3,200,000	59,600	40,000
N.Y.	1975	48,000,000	488,000	242,000
N.C.	Sept. 1973	4,000,000	60,000 (p)	36,000
Okla.	-	-	-	*
Ore.	-	4,000,000	67,000	*
R.I.	-	-	-	
Tenn.	-	-	-	
Utah	Aug. 1974	2,041,200	38,520	22,
Wisc.	Nov. 1973	780,000	12,500	8,
Wyo.	Feb. 1974	4,400,000	125,500	75,
Guam	-	-	-	
V.I.	-	-	-	

TABLE 7-1. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES (a)
(Continued)

	Lab to be a Separate Building	Planned Building will: Replace Present Laboratory	Planned Building will: Be in Addition to Present Lab	If new construction is an expansion to existing labs, will substantial alterations be made to existing building?
Ala.	-	-	X	X
Alaska	-	X	-	-
Ariz.	X	X	-	-
Ark.	-	-	X	-
Conn.	-	-	X	-
Del.	-	-	-	-
Fla.	-	-	X	-
Hawaii	X	-	X	-
Ida.	-	-	-	-
Ill.	-	-	-	-
Ia.	-	-	-	-
Kans.	-	X	-	X
Md.	X (o)	X	-	-
Mass.	X	X	-	-
Mich.	-	-	-	-
Mo.	-	X	-	-
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	X	-	-
N.H.	-	-	-	-
N.M.	X	X	-	-
N.Y.	X	X	-	-
N.C.	-	X	-	-
Okla.	-	-	-	-
Ore.	X	X	-	-
R.I.	-	-	-	-
Tenn.	-	-	-	-
Utah	X	X	-	-
Wisc.	-	-	X	X
Wyo.	-	X	-	-
Guam	-	-	-	-
V.I.	-	-	-	-

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TABLE 7-2. CHANGES DURING THE REPORTING YEAR AFFECTING RELATIONSHIPS OF LABORATORY WITH OTHER UNITS OF GOVERNMENT (a)

Cal.	Most health delivery activities in the State of California have been consolidated into a single Department of Health. The old Division of Laboratories in a Department of Public Health no longer exists. The Laboratory is now called Laboratory Services Program; but functionally there have been no changes.
Ida.	The 1973 legislature enacted legislation to form a combined Health and Welfare Department. This is officially entitled Idaho Department of Environmental and Community Services (DECS). Services previously performed for former Welfare (Social Rehabilitative Services) are now performed on intradepartmental basis. On April 1, 1973, Community Pesticide Project was transferred from Department of Agriculture to Laboratories Section, DECS.
La.	Umbrella agency combining laboratories with 59 agencies.
Mo.	The Laboratory was changed from the Section of Hospital and Technical Services to the Section of Medical Care; however, this did not impose differences in intra-departmental transactions.
N.M.	On August 1, 1973, the New Mexico Scientific Laboratory System (SLS) was established within the Health and Social Services Department (HSSD). The former State Health Laboratory and the former Environmental Improvement Agency Laboratory have since been incorporated into the SLS.
Ohio	Ohio Environmental Protection Agency established Oct. 23, 1972. This Department now contracts with the Ohio Department of Health for environmental laboratory services.
S.D.	Division of Sanitary Engineering eliminated. Environmental Protection Agency formed. Laboratory performs related tests for this agency.
Tex.	Air Pollution has become a separate department with its own laboratory.
Va.	State Labs have been consolidated into Bureaus of Microbiological Science, Environmental Science, Product Testing, and Forensic Laboratory, all known as Division of Consolidated Labs Services. The Microbiological Science Bureau is essentially the previous Health Department Laboratory.
Wash.	Pesticide Laboratory was incorporated with State Public Health Laboratory.

TABLE 7-3. ENACTMENT OF NEW LABORATORY LICENSURE LAWS OR LABORATORY PERSONNEL LICENSURE LAWS (a)

	Did State enact a Laboratory Licensure Law or Laboratory Personnel Licensure Law during period covered by this report?	If yes, effective date of the law.	Remarks
Ala.	-	-	Two bills introduced - one for laboratories, other for personnel. Both failed to pass.
Ariz.	-	-	No new laboratory licensure legislation enacted during year, but an increase in licensure fees occurred this year. The initial fee was changed from $100 to $200; the renewal fee changed from $50 to $100.
D.C.	X	May 25, 1973	Covers Tissue Banks.
Kans.	X	Jan. 1, 1974	Covers breath for law enforcement purposes.
Md.	X	July 1, 1973	Proficiency testing required for doctors' office laboratories.
Mich.	X	July 15, 1973	For licensing of blood banks and other blood collection facilities.
Nev.	X	July 1, 1973	Two amendments covering doctors' office labs and Advisory Committee expenses.
S.C.	X	Jan. 1972	Covers independent clinical laboratories, hospital laboratories, group practice labs, State and local public health laboratories and Laboratory Directors.

SECTION VII. FOOTNOTES

(a) This table omits states having no information to report on this subject.

(b) Southeastern Regional Laboratory, Juneau completed 1972; South Central Regional Laboratory, Anchorage, completed 1962; Northern Regional Laboratory, Fairbanks completed 1963. Information in the tables refers to Fairbanks Laboratory, which is presently in State Courthouse and will be moved to new State Office Building. Space allowed (2,220 sq. ft.) on basis of survey conducted in 1971 by private consultants on contract to State. No provision for expansion or new staff.

(c) Central Laboratory at Jacksonville. Regional laboratories completed as follows: Miami, 1958; Tallahassee, 1950; West Palm Beach, 1953; Orlando, 1957; Pensacola, 1965; and Tampa, 1966. Further information in the table refers to Central Laboratory. Planning anticipated for Orlando Regional Laboratory. For Miami Regional Laboratory: construction funds have been appropriated; planning by architects and engineers is essentially complete; estimated date of completion is on or about January 1975; estimated costs are $1,114,000; estimated gross sq. ft., 15,000; estimated net space, 12,000; old space of 5,000 sq. ft. will also be used.

(d) Funds frozen.

(e) Information in table refers to Central Laboratory only. Funds were approved by 1969 legislative session for inclusion of new laboratory quarters in Coeur d'Alene Health Center, Coeur d'Alene, Idaho. This is approximately 1,800 sq. ft. After numerous financial and legal hassles, ground-breaking ceremonies were conducted on June 12, 1973. Anticipated completion date is planned for February 1, 1974.

The District Health Department in Idaho Falls, Idaho, obtained new quarters which will allow them to consolidate. They have been located in four different locations. The laboratory will gain approximately 200 sq. ft. of better organized space. Relocation cost is approximately $3,000. The 1973 legislative session approved $89,000 for a new laboratory building in Idaho Falls, but these funds will not be available until FY 1976.

The Pocatello Branch Laboratory has been informed that it must relocate early in 1975. Plans are to ask the 1974 legislature to transfer the $89,000 mentioned above for use in building new laboratory quarters in Pocatello. This laboratory would be larger than the 1,800 sq. ft. planned for the Coeur d'Alene laboratory.

The Twin Falls Branch Laboratory and District Health Department have also been notified that they must relocate by April 1, 1974. The District has purchased a building, bids have been let, and a contractor has been selected. This laboratory will have about 1,536 sq. ft. available with an estimated cost of $22,000 for the laboratory portion of remodelling.

(f) New building for Chicago main laboratory - net total now 32,500 sq. ft.

(g) Occupancy of existing building in 1948.

(h) There are 28 buildings in the laboratory complex that were constructed between 1936 and 1971.

(i) Information in table refers to Central Laboratory. For Branch Laboratory, Las Vegas, architect has been selected, planning by architects and engineers is in progress. Estimated date of completion of construction is on or about January 1975. Estimated costs are $800,000; estimated gross sq. ft. are 3,000; estimated net space is 2,600 sq. ft.

(j) Original building. Partial enlargement and modernization 1967, 1968, and 1969.

(k) Drawings not yet submitted.

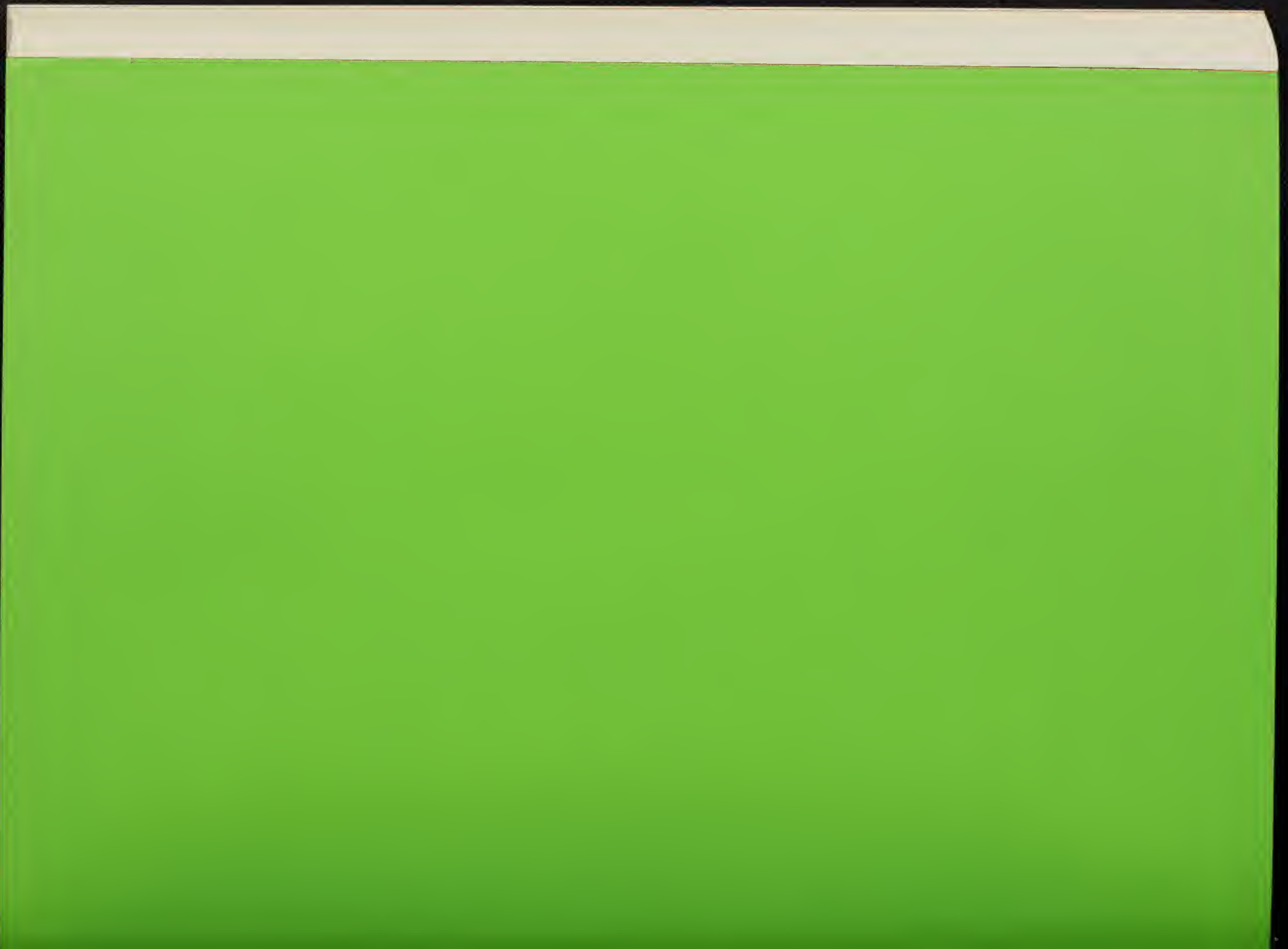
(l) Represents laboratory space in the new building.

(m) Space is not yet determined definitely but expected to double gross area of the Division. Only part of space will be finished during first phase of the building program; other areas to be finished and equipped as needed.

(n) Immediate gain from 11,768 sq. ft. Forbes Air Force Base Hospital being acquired for ultimate complete laboratory use. About two-thirds of space will be utilized temporarily 5 to 10 years by other divisions of the Department of Health.

(o) Part of a $32,000,000 State office complex. The laboratory is essentially a separate building, 10 floors above ground, with a 3 floor, below ground parking area and the ground level and the pedestrian level connecting with the office complex.

(p) Laboratory activities occupy approximately one-half of entire building of 120,000 gross sq. ft. The net sq. ft. figure represents net laboratory space.



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PUBLIC HEALTH SERVICE
CENTER FOR DISEASE CONTROL
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