

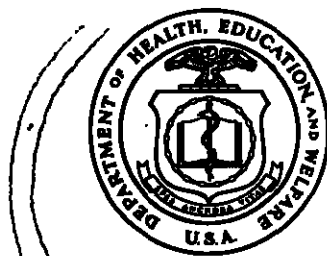
Hausler

CONSOLIDATED ANNUAL REPORT

on

State and Territorial Public Health Laboratories

Fiscal Year 1970



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

CONSOLIDATED ANNUAL REPORT FY 1970

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on State and Territorial
Public Health Laboratories
Fiscal Year 1970
For Administrative Use Only

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

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INTRODUCTION

INTRODUCTION

This Consolidated Annual Report (CAR) for fiscal year 1970 is the seventh such publication. The Association of State and Territorial Public Health Laboratory Directors (ASTPHLD) share this information as one means of quantitatively describing the workload and varied activities of this segment of the health field. This issue is unique in that the data collection, processing, and reporting methodology at the Center for Disease Control has been revamped so that the CAR will be returned to ASTPHLD members earlier.

Forty-one States plus the District of Columbia, Guam, and the Virgin Islands reported data for the fiscal year July 1, 1969, through June 30, 1970. Data for the 1969 calendar year was repeated for Florida, Hawaii, New Mexico, New York, and Virginia since these States do not report on a fiscal year basis. No data was received from California, Nebraska, Oklahoma, South Dakota, or Puerto Rico.

There are no major changes in format from last year. Section X, Diagnostic Workload Data, is again presented in abbreviated form by major category of laboratory procedures as recommended by the ASTPHLD.

It should be emphasized that the CAR reflects work done by the State and Territorial Public Health Laboratories. If some type of activity is not reported herein for a given State, it may mean that some other State agency performs that work.

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. 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.

SECTION I

SUMMARY TABLES

TABLE 1-1. PERCENTAGE OF PERSONNEL, EXPENDITURES AND SPACE
ALLOTTED TO LABORATORY PROGRAM SERVICES

	Laboratory Program Service					
	Diagnostic Services			Research		
	Personnel %	Expenditures %	Space %	Personnel %	Expenditures %	Space %
Ala.	90.0	90.0	90.0	8.0	10.0	10.0
Alaska	91.2	100.0	100.0	-	-	-
Ariz.	56.0	*	50.0	4.0	*	*
Ark.	80.0	83.0	90.0	-	-	-
Cal.	*	*	*	*	*	*
Colo.	91.0	88.0	100.0	4.0	4.0	-
Conn.	25.6	*	25.0	2.1	*	5.0
Del.	70.8	*	*	*	*	*
D.C.	100.0	98.0	90.0	-	-	-
Fla.	88.0	88.0	80.0	8.0	8.0	15.0
Ga.	96.0	95.0	96.0	1.0	1.0	1.0
Hawaii	100.0	100.0	100.0	-	-	-
Ida.	95.0	100.0	80.0	4.0	-	20.0
Ill.	88.0	*	*	2.0	*	*
Ind.	90.0	*	96.0	-	*	2.0
Ia.	85.0	80.0	85.0	10.0	10.0	10.0
Kans.	60.0	*	48.5	-	*	-
Ky.	92.0	*	89.0	-	*	10.0
La.	46.2	*	*	-	*	*
Me.	97.8	96.5	94.0	-	-	-
Md.	47.5	96.0	95.0	-	-	-
Mass.	51.5	47.3	49.0	1.0	7.1	-
Mich.	59.2	52.1	19.4	8.4	10.7	10.4
Minn.	94.8	93.4	96.0	1.3	2.0	2.0
Miss.	97.6	100.0	95.0	1.7	-	3.0
Mo.	90.0	*	80.0	-	-	-
Mont.	96.9	93.0	92.0	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	90.0	90.0	*	-	-	*
N.H.	100.0	100.0	100.0	-	-	-
N.J.	74.0	85.0	85.0	20.0	11.0	10.0
N.M.	90.0	*	100.0	-	-	-
N.Y.	23.0	30.0	15.0	25.0	35.0	53.0
N.C.	98.3 (a)	98.0 (a)	98.0 (a)	-	-	-
N.D.	100.0	100.0	100.0	-	-	-
Ohio	91.0	91.0	40.9	1.5	1.5	1.9
Okla.	*	*	*	*	*	*
Ore.	93.0	93.0	93.0	-	-	-
Pa.	87.3	65.0	45.0	3.8	30.0	11.0
R.I.	100.0	98.0	100.0	-	1.0	-
S.C.	96.0	85.0	88.0	2.0	10.0	10.0
S.D.	*	*	*	*	*	*
Tenn.	94.3	96.8	98.8	0.9	0.1	0.1
Tex.	92.6	85.0	55.0	-	1.0	5.0
Utah	92.0	95.0	35.0	4.0	-	10.0
Vt.	96.0	100.0	100.0	-	-	-
Va.	94.0	*	75.0	2.0	*	1.0
Wash.	62.5	39.0	39.0	-	-	-
W. Va.	86.6	85.0	82.0	2.2	5.0	3.0
Wisc.	70.0	80.0	80.0	19.0	10.0	10.0
Wyo.	100.0	100.0	100.0	-	-	-
Guam	100.0	100.0	100.0	-	-	-
P.R.	*	*	*	*	*	*
V.I.	93.0	93.0	93.0	5.0	5.0	5.0

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

	Laboratory Program Service								
	Production of Biologics			Intrastate Laboratory Improvement			Other		
	Personnel %	Expenditures %	Space %	Personnel %	Expenditures %	Space %	Personnel %	Expenditures %	Space %
Ala.	-	-	-	2.0	-	-	-	-	-
Alaska	-	-	-	0.8	-	-	8.0 (b)	-	-
Ariz.	8.0	*	5.0	6.0	*	*	26.0	*	*
Ark.	-	-	-	20.0	17.0	10.0	-	-	-
Cal.	*	*	*	*	*	*	*	*	*
Colo.	-	-	-	5.0	8.0	-	-	-	-
Conn.	-	-	-	5.0	*	10.0	67.3 (c)	*	60.0
Del.	*	*	*	*	*	*	*	*	*
D.C.	-	-	-	-	2.0	10.0	-	-	-
Fla.	-	-	-	4.0	4.0	5.0	-	-	-
Ga.	-	1.0	-	3.0	3.0	3.0	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
Ida.	-	-	-	1.0	-	-	-	-	-
Ill.	6.0	*	*	4.0	*	*	-	-	-
Ind.	-	*	-	10.0	*	2.0	-	-	-
Ia.	-	-	-	5.0	10.0	5.0	-	-	-
Kans.	-	*	-	3.1	*	2.4	36.9 (d)	*	49.1 (e)
Ky.	-	-	-	8.0	*	1.0	-	-	-
La.	1.8	*	*	0.6	*	*	51.4	*	*
Me.	-	-	-	2.2	3.5	6.0	-	-	-
Md.	-	-	-	2.7	4.0	5.0	49.8	-	-
Mass.	46.0	43.7	47.0	1.5	1.9	4.0	-	-	-
Mich.	29.6	33.7	15.4	2.8	3.5	0.1	-	-	54.7
Minn.	1.3	-	-	2.6	4.6	2.0	-	-	-
Miss.	0.2	-	2.0	0.5	-	-	-	-	-
Mo.	-	-	-	10.0	*	20.0	-	-	-
Mont.	-	-	-	3.1	7.0	8.0	-	-	-
Nebr.	*	*	*	*	*	*	*	*	*
Nev.	-	-	*	10.0	10.0	*	-	-	*
N.H.	-	-	-	-	-	-	-	-	-
N.J.	-	1.0	1.0	6.0	3.0	4.0	-	-	-
N.M.	-	-	-	10.0	*	-	-	-	-
N.Y.	-	-	-	4.0	10.0	-	48.0 (f)	25.0	32.0
N.C.	-	-	-	1.7	2.0	2.0	-	-	-
N.D.	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	7.5	7.5	1.8	-	-	55.4
Okla.	*	*	*	*	*	*	*	*	*
Ore.	-	-	-	7.0	7.0	7.0	-	-	-
Pa.	-	-	-	8.9	5.0	4.0	-	-	40.0
R.I.	-	-	-	-	1.0	-	-	-	-
S.C.	-	-	-	2.0	5.0	2.0	-	-	-
S.D.	*	*	*	*	*	*	*	*	*
Tenn.	2.4	0.2	1.0	2.4	2.9	0.1	-	-	-
Tex.	6.6	9.0	15.0	0.8	5.0	5.0	-	-	20.0 (g)
Utah	-	-	-	4.0	5.0	5.0	-	-	50.0
Vt.	-	-	-	4.0	-	-	-	-	-
Va.	3.0	*	1.0	1.0	*	1.0	-	*	22.0
Wash.	-	-	-	16.7	13.0	18.0	20.8 (h)	48.0 (i)	43.0 (j)
W.Va.	-	-	-	11.2	10.0	15.0	-	-	-
Wisc.	-	-	-	11.0	10.0	10.0	-	-	-
Wyo.	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	*
V.I.	-	-	-	2.0	2.0	2.0	-	-	-

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS

	Total Specimens	Total Exams	Examinations:			
			Diagnostic Bacteriology	Mycology	Parasitology	Virology
Ala.	918,123 (k)	1,628,083	515,970	10,280	61,304	8,859
Alaska	83,229	139,795	83,196	168	667	-
Ariz.	166,788	259,066	46,153	5,103	629	8,535
Ark.	188,787	286,007	83,931	15,784	1,388	2,176
Cal.	*	*	*	*	*	*
Colo.	426,255 (k)	509,239 (k)	245,293	247	572	446
Conn.	645,406	1,219,497	446,957	1,539	16,525	15,754
Del.	137,175 (k)	171,393	18,545	-	192	390 (1)
D.C.	* (m)	* (m)	*	75	49,128	643
Fla.	1,678,477	2,296,440	593,840	7,208	174,459	10,988
Ga.	863,944	1,328,875	240,155	2,316	133,652	11,369
Hawaii	113,482 (k)	205,351	92,519	1,145	5,845	33,930
Ida.	105,238 (k)	166,668	25,699	474	405	853
Ill.	763,390 (k)	1,010,014	176,826	1,112	31,716	6,460
Ind.	232,916 (k)	348,026 (k)	50,981	1,404	15,161	6,397
Ia.	331,890	576,130 (k)	68,398	578	1,124	38,070
Kans.	265,470 (k)	456,922	103,769	685	5,394	5,854
Ky.	316,440	434,868	80,065	1,457	5,424	4,906
La.	* (m)	1,167,004	431,590	1,193	46,004	15,516
Me.	161,107	328,504 (k)	63,481	186	372	394
Md.	686,743 (k)	1,196,475 (k)	367,328	3,604	25,007	3,870
Mass.	762,297 (k)	* (m)	*	*	-	*
Mich.	* (m)	1,571,150	622,993	10,280	3,150	5,559
Minn.	314,067 (k)	454,022	100,612	4,642	6,623	9,273
Miss.	525,608	702,025	199,217	1,401	8,476	1,134 (1)
Mo.	227,670	407,564 (k)	136,191	1,809	7,616	11,575
Mont.	68,971	83,060	16,770	662	122	263
Nebr.	*	*	*	*	*	*
Nev.	94,707 (k)	177,468 (k)	35,070	101	1,517	-
N.H.	123,253	163,465	54,202	134	520	548 (1)
N.J.	* (m)	1,584,004	114,981	104	1,278	79,219
N.M.	* (m)	188,233	35,822	433	509	2,557
N.Y.	* (m)	* (m)	*	*	*	6,945 (n)
N.C.	* (m)	1,914,036	175,875	492	13,746	4,059
N.D.	121,052 (k)	206,620 (k)	83,611	793	806	1,866
Ohio	523,802	717,823	180,976	557	1,378	14,365
Okla.	*	*	*	*	*	*
Ore.	254,624	375,011	75,398	204	1,747	2,212
Pa.	234,262 (k)	435,565 (k)	171,374	650	1,764	19,174
R. I.	165,716 (k)	299,899	52,451	*	5,874	420 (1)
S.C.	531,479 (k)	674,911 (k)	73,646	11,055	25,670	2,512
S.D.	*	*	*	*	*	*
Tenn.	753,959	948,672 (k)	253,445	1,677	9,866	4,274
Tex.	1,066,728 (k)	1,768,491 (k)	343,038	9,896	18,455	11,891
Utah	132,422	219,904 (k)	47,153	7	1,767	3,218
Vt.	129,030 (k)	172,525	60,482	100	140	771
Va.	499,657	579,832	144,047	636	21,438	3,902
Wash.	86,122	195,103	71,872	3,319	1,165	7,571
W. Va.	142,913 (k)	268,113 (k)	68,872	501	3,539	4,289
Wisc.	741,667	838,063 (k)	108,469	2,958	7,055	11,397
Wyo.	232,636 (k)	248,405	223,526	-	30	284 (1)
Guam	23,332 (k)	42,404	9,298	3	9,719	220 (1)
P. R.	*	*	*	*	*	*
V. I.	32,502	42,112	10,108	38	7,344	-

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

	Examinations:						
	Syphillis Serology	All Other Serology	Sanitary Bacteriology	Clinical Chemistry	PKU, MSUD	Sanitary Chemistry	All Other Examinations
Ala.	415,804	25,517	276,918	7,486	125,889	143,315	36,741
Alaska	28,562	1,030	15,790	-	-	1,472	8,910
Ariz.	74,157	18,856	45,241	24,893	-	16,815	18,684
Ark.	106,427	8,958	37,621	3,860	15,702	10,074	86
Cal.	*	*	*	*	*	*	*
Colo.	122,093	16,655	43,606	-	6,024	42,794	31,509
Conn.	122,310	46,418	75,368	64,020	89,016	274,420	67,170
Del.	48,302	-	32,628	1,075	18,744	-	51,517
D.C.	*	*	33,985	44,189	13,203	3,550	176,921
Fla.	797,977	34,371	194,938	46,405	63,562	69,309	303,383
Ga.	570,662	40,615	67,481	3,693	68,305	-	190,627
Hawaii	29,093	14,994	18,044	174	-	6,843	2,764
Ida.	34,417	6,100	44,673	1,037	11,260	28,932	12,818
Ill.	352,539	70,778	139,026	-	76,183	139,141	16,233
Ind.	133,764	16,736	61,622	-	-	60,404	1,557
Ia.	196,370	43,245	155,632	1,129	4,114	52,834	14,636
Kans.	121,854	12,319	106,257	677	19,251	73,786	7,076
Ky.	138,026	36,831	60,366	36,103	39,895	20,029	11,766
La.	337,387	17,949	228,320	337	56,565	17,058	15,085
Me.	48,438	8,466	18,416	2,120	29,348	139,400	17,883
Md.	183,628	71,432	112,122	103,005	68,969	107,794	149,716
Mass.	415,153	*	*	-	186,801	-	-
Mich.	394,980	25,374	123,246	108,420	116,984	86,776	73,388
Minn.	198,881	58,076	-	-	75,211	-	704
Miss.	248,591	9,317	81,970	115,917	-	-	36,002
Mo.	83,242	17,123	87,434	1,277	41,868	17,913	1,516
Mont.	31,068	2,772	16,536	-	11,691	1,025	2,151
Nebr.	*	*	*	*	*	*	*
Nev.	46,741	497	29,758	6,162	15,728	36,560	5,334
N.H.	52,505	312	-	18,849	19,743	-	16,652
N.J.	266,848	874,422	21,640	11,805	93,868	89,017	30,822
N.M.	51,451	10,538	49,458	-	16,914	14,987	5,564
N.Y.	123,852	22,219	73,379	269,206	86,988	224,662	45,286
N.C.	373,107	20,507	110,690	942,132	88,995	46,177	138,256
N.D.	49,501	14,159	37,496	-	-	1,263	17,125
Ohio	116,051	34,998	54,056	64,808	181,890	58,870	9,874
Okla.	*	*	*	*	*	*	*
Ore.	91,839	19,730	51,396	-	132,479	-	6
Pa.	33,834	37,077	39,343	3,667	112,396	16,286	-
R.I.	42,604	5,829	5,867	107,525	29,970	-	49,359
S.C.	319,903	16,630	71,601	54,796	31,910	27,323	39,865
S.D.	*	*	*	*	*	*	*
Tenn.	461,888	17,968	88,796	6,282	61,191	-	43,285
Tex.	395,810	29,057	603,033	17,786	145,521	178,263	15,741
Utah	70,399	12,246	27,207	7,303	-	43,353	7,251
Vt.	40,816	14,097	12,670	22,550	-	12,500	8,399
Va.	194,826	28,370	68,058	15,993	91,003	4,071	7,488
Wash.	37,229	12,806	31,689	37	14,139	15,276	-
W.Va.	40,583	1,758	33,186	76,718	20,232	-	18,435
Wisc.	230,448	50,694	54,083	149,206	-	55,953	167,800
Wyo.	11,290	4,948	8,327	-	-	-	-
Guam	2,588	34	4,486	156	2,899	-	13,001
P.R.	*	*	*	*	*	*	*
V.I.	11,415	279	7,716	4,000	-	1,014	198

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

	Diagnostic Bacteriology	Mycology and Parasitology	Virology	All Serology	Sanitary Bact. and Chem.	Clin. Chem.(o)	Other
Ala.	31.7	4.4	0.5	27.1	25.8	8.2	2.3
Alaska	59.5	0.6	-	21.2	12.3	-	6.4
Ariz.	17.8	2.2	3.3	35.9	24.0	9.6	7.2
Ark.	29.3	6.0	0.8	40.3	16.7	6.8	0.1
Cal.	*	*	*	*	*	*	*
Colo.	48.2	0.1	0.1	27.2	17.0	1.2	6.2
Conn.	36.7	1.5	1.3	13.8	28.7	12.5	5.5
Del.	10.8	0.1	0.2	28.2	19.0	11.6	30.1
D.C.	*	*	*	*	*	*	*
Fla.	25.9	7.9	0.5	36.2	11.5	4.8	13.2
Ga.	18.1	10.2	0.9	46.0	5.1	5.4	14.3
Hawaii	45.1	3.4	16.5	21.5	12.1	0.1	1.3
Ida.	15.4	0.5	0.5	24.3	44.2	7.4	7.7
Ill.	17.5	3.3	0.6	41.9	27.6	7.5	1.6
Ind.	14.6	4.9	1.8	43.2	35.1	-	0.4
Ia.	11.9	0.3	6.6	41.6	36.2	0.9	2.5
Kans.	22.7	1.3	1.3	29.4	39.4	4.4	1.5
Ky.	18.4	1.6	1.1	40.2	18.5	17.5	2.7
La.	37.0	4.1	1.3	30.4	21.0	4.9	1.3
Me.	19.3	0.2	0.1	17.3	48.0	9.6	5.5
Md.	30.7	2.4	0.3	21.3	18.4	14.4	12.5
Mass.	*	*	*	*	*	*	*
Mich.	39.6	0.8	0.4	26.8	13.4	14.3	4.7
Minn.	22.2	2.5	2.0	56.6	-	16.5	0.2
Miss.	28.4	1.4	0.2	36.7	11.7	16.5	5.1
Mo.	33.4	2.3	2.9	24.6	25.8	10.6	0.4
Mont.	20.2	0.9	0.3	40.8	21.1	14.1	2.6
Nebr.	*	*	*	*	*	*	*
Nev.	19.8	0.9	-	26.6	37.4	12.3	3.0
N.H.	33.2	0.4	0.3	32.3	-	23.6	10.2
N.J.	7.3	0.1	5.0	72.0	7.0	6.7	1.9
N.M.	19.0	0.5	1.4	32.9	34.2	9.0	3.0
N.Y.	*	*	*	*	*	*	*
N.C.	9.2	0.7	0.2	20.6	8.2	53.9	7.2
N.D.	40.5	0.8	0.9	30.8	18.7	-	8.3
Ohio	25.2	0.3	2.0	21.0	15.7	34.4	1.4
Okla.	*	*	*	*	*	*	*
Ore.	20.1	0.5	0.6	29.8	13.7	35.3	-
Pa.	39.3	0.6	4.4	16.3	12.8	26.6	-
R.I.	17.5	2.0	0.1	16.1	2.0	45.8	16.5
S.C.	10.9	5.4	0.4	49.9	14.7	12.8	5.9
S.D.	*	*	*	*	*	*	*
Tenn.	26.7	1.2	0.4	50.6	9.4	7.1	4.6
Tex.	19.4	1.6	0.7	24.0	44.2	9.2	0.9
Utah	21.4	0.8	1.5	37.6	32.1	3.3	3.3
Vt.	35.1	0.1	0.4	31.8	14.6	13.1	4.9
Va.	24.8	3.8	0.7	38.5	12.4	18.5	1.3
Wash.	36.8	2.3	3.9	25.6	24.1	7.3	-
W.Va.	25.7	1.5	1.6	15.8	12.4	36.1	6.9
Wisc.	12.9	1.2	1.4	33.5	13.2	17.8	20.0
Wyo.	90.0	-	0.1	6.5	3.4	-	-
Guam	21.9	22.9	0.5	6.2	10.6	7.2	30.7
P.R.	*	*	*	*	*	*	*
V.I.	24.0	17.5	-	27.8	20.7	9.5	0.5

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

	Estimated Population (p)	No. Specimens	No. Exams	Ratio of Specimens to Exams	Ratio of Exams to Population
Ala.	3,531,000	918,123	1,628,083	1:1.8	1:2.2
Alaska	282,000	83,229	139,795	1:1.7	1:2.0
Ariz.	1,693,000	166,788	259,066	1:1.6	1:6.5
Ark.	1,995,000	188,787	286,007	1:1.5	1:7.0
Cal.	19,443,000	*	*	*	*
Colo.	2,100,000	426,255	509,239	1:1.2	1:4.1
Conn.	3,000,000	645,406	1,219,497	1:1.9	1:2.5
Del.	540,000	137,175	171,393	1:1.2	1:3.2
D.C.	798,000	*	*	*	*
Fla.	6,354,000	1,678,477	2,296,440	1:1.4	1:2.8
Ga.	4,641,000	863,944	1,328,875	1:1.5	1:3.5
Hawaii	794,000	113,482	205,351	1:1.8	1:3.9
Ida.	718,000	105,238	166,668	1:1.6	1:4.3
Ill.	11,047,000	763,390	1,010,014	1:1.3	1:10.9
Ind.	5,118,000	232,916	348,026	1:1.5	1:14.7
Ia.	2,781,000	331,890	576,130	1:1.7	1:4.8
Kans.	2,321,000	265,470	456,922	1:1.7	1:5.1
Ky.	3,232,000	316,440	434,868	1:1.4	1:7.4
La.	3,745,000	*	1,167,004	*	1:3.2
Me.	978,000	161,107	328,504	1:2.0	1:3.0
Md.	3,765,000	686,743	1,196,475	1:1.7	1:3.2
Mass.	5,467,000	762,297	*	*	*
Mich.	8,766,000	*	1,571,150	*	1:5.6
Minn.	3,700,000	314,067	454,022	1:1.4	1:8.2
Miss.	2,360,000	525,608	702,025	1:1.3	1:3.4
Mo.	4,651,000	227,670	407,564	1:1.8	1:11.4
Mont.	694,000	68,971	83,060	1:1.2	1:8.4
Nebr.	1,449,000	*	*	*	*
Nev.	457,000	94,707	177,468	1:1.9	1:2.6
N.H.	717,000	123,253	163,465	1:1.3	1:4.4
N.J.	7,148,000	*	1,584,004	*	1:4.5
N.M.	994,000	*	188,233	*	1:5.3
N.Y.	18,321,000	*	*	*	*
N.C.	5,205,000	*	1,914,036	*	1:2.7
N.D.	615,000	121,052	206,620	1:1.7	1:3.0
Ohio	10,740,000	523,802	717,823	1:1.4	1:15.0
Okla.	2,568,000	*	*	*	*
Ore.	2,032,000	254,624	375,011	1:1.5	1:5.4
Pa.	11,803,000	234,262	435,565	1:1.9	1:27.1
R.I.	911,000	165,716	299,899	1:1.8	1:3.0
S.C.	2,692,000	531,479	674,911	1:1.3	1:4.0
S.D.	659,000	*	*	*	*
Tenn.	3,985,000	753,959	948,672	1:1.3	1:4.2
Tex.	11,187,000	1,066,728	1,768,491	1:1.7	1:6.3
Utah	1,045,000	132,422	219,904	1:1.7	1:4.8
Vt.	439,000	129,030	172,525	1:1.3	1:2.5
Va.	4,669,000	499,657	579,832	1:1.2	1:8.1
Wash.	3,402,000	86,122	195,103	1:2.3	1:17.4
W.Va.	1,819,000	142,913	268,113	1:1.9	1:6.8
Wisc.	4,233,000	741,667	838,063	1:1.1	1:5.1
Wyo.	320,000	232,636	248,405	1:1.1	1:1.3
Guam	100,000 (q)	23,332	42,404	1:1.8	1:2.4
P.R.	2,754,000	*	*	*	*
V.I.	56,000 (q)	32,502	42,112	1:1.3	1:1.3

TABLE 1-5. RATIOS OF PERSONNEL TO POPULATION

	Estimated Population	Total Personnel (r)	Prof. & Tech. Personnel (r)	Ratio of Total Personnel to Population	Ratio of Prof. & Tech. Personnel to Population
Ala.	3,531,000	168	129	1:21,018	1:27,372
Alaska	282,000	25	13	1:11,280	1:21,692
Ariz.	1,693,000	50	32	1:33,860	1:52,906
Ark.	1,995,000	47	24	1:42,447	1:83,125
Cal.	19,443,000	*	*	*	*
Colo.	2,100,000	52	36	1:40,385	1:58,333
Conn.	3,000,000	185	123	1:16,216	1:24,390
Del.	540,000	24	17	1:22,500	1:31,765
D.C.	798,000	76	64	1:10,500	1:12,469
Fla.	6,354,000	186	105	1:34,161	1:60,514
Ga.	4,641,000	142	75	1:32,683	1:61,880
Hawaii	794,000	34	20	1:23,353	1:39,700
Ida.	718,000	41	27	1:17,512	1:26,593
Ill.	11,047,000	190	107	1:58,142	1:103,243
Ind.	5,118,000	70	42	1:73,114	1:121,857
Ia.	2,781,000	87	53	1:31,966	1:52,472
Kans.	2,321,000	64	40	1:36,266	1:58,025
Ky.	3,232,000	59	35	1:54,780	1:92,343
La.	3,745,000	137	71	1:27,336	1:52,746
Me.	978,000	44	30	1:22,227	1:32,600
Md.	3,765,000	235	145	1:16,021	1:25,966
Mass.	5,467,000	193	79	1:28,326	1:69,203
Mich.	8,766,000	391	205	1:22,419	1:42,761
Minn.	3,700,000	72	46	1:51,389	1:80,435
Miss.	2,360,000	42	24	1:56,190	1:98,333
Mo.	4,651,000	44	27	1:105,705	1:172,259
Mont.	694,000	17	8	1:40,824	1:86,750
Nebr.	1,449,000	*	*	*	*
Nev.	457,000	20	12	1:22,850	1:38,083
N.H.	717,000	20	13	1:35,850	1:55,154
N.J.	7,148,000	165	115	1:43,321	1:62,157
N.M.	994,000	38	21	1:26,158	1:47,333
N.Y.	18,321,000	564	320	1:32,484	1:57,253
N.C.	5,205,000	113	74	1:46,062	1:70,338
N.D.	615,000	25	14	1:24,600	1:43,929
Ohio	10,740,000	92	58	1:116,739	1:185,172
Okla.	2,568,000	*	*	*	*
Ore.	2,032,000	43	28	1:47,256	1:72,571
Pa.	11,803,000	98	62	1:120,439	1:190,371
R.I.	911,000	45	33	1:20,244	1:27,606
S.C.	2,692,000	77	51	1:34,961	1:52,784
S.D.	659,000	*	*	*	*
Tenn.	3,985,000	122	72	1:32,664	1:55,347
Tex.	11,187,000	119	86	1:94,008	1:130,081
Utah	1,045,000	43	28	1:24,302	1:37,321
Vt.	439,000	24	15	1:18,292	1:29,267
Va.	4,669,000	79	47	1:59,101	1:99,340
Wash.	3,402,000	48	24	1:70,875	1:141,750
W.Va.	1,819,000	45	28	1:40,422	1:64,964
Wisc.	4,233,000	173	118	1:24,468	1:35,873
Wyo.	320,000	8	4	1:40,000	1:80,000
Guam	100,000	12	8	1:8,333	1:12,500
P.R.	2,754,000	*	*	*	*
V.I.	56,000	8	6	1:7,000	1:9,333

TABLE 1-6. RATIOS OF EXPENDITURES TO PERSONNEL

	Total Expenditures	Total Personnel (r)	Prof. & Tech. Personnel (r)	Expenditures per Employee	Expenditures per Prof. & Tech. Employee
Ala.	\$ 1,392,000	168	129	\$ 8,285.71	\$ 10,790.70
Alaska	331,100	25	13	13,244.00	25,469.23
Ariz.	432,302	50	32	8,646.04	13,509.44
Ark.	323,333	47	24	6,879.43	13,472.21
Cal.	*	*	*	*	*
Colo.	471,285	52	36	9,063.17	13,091.25
Conn.	1,841,305	185	123	9,953.00	14,969.96
Del.	169,244	24	17	7,051.83	9,955.53
D.C.	984,416	76	64	12,952.84	15,381.50
Fla.	1,338,867	186	105	7,198.20	12,751.11
Ga.	1,269,471	142	75	8,939.94	16,926.28
Hawaii	336,957	34	20	9,910.50	16,847.85
Ida.	305,951	41	27	7,462.22	11,331.52
Ill.	2,199,759	190	107	11,577.68	20,558.50
Ind.	599,635 (s)	70	42	8,566.21	14,277.02
Ia.	1,094,885	87	53	12,584.89	20,658.21
Kans.	627,644	64	40	9,806.94	15,691.10
Ky.	605,877	59	35	10,269.10	17,310.77
La.	1,174,997	137	71	8,576.62	16,549.25
Me.	443,682	44	30	10,083.68	14,789.40
Md.	2,400,965	235	145	10,216.87	16,558.38
Mass.	1,631,323	193	79	8,452.45	20,649.66
Mich.	4,375,035	391	205	11,189.35	21,341.63
Minn.	658,972	72	46	9,152.39	14,325.48
Miss.	366,374	42	24	8,723.19	15,265.58
Mo.	425,923	44	27	9,680.07	15,774.93
Mont.	150,711	17	8	8,865.35	18,838.88
Nebr.	*	*	*	*	*
Nev.	234,163	20	12	11,708.15	19,513.58
N.H.	166,566	20	13	8,328.30	12,812.77
N.J.	1,773,832	165	115	10,750.50	15,424.63
N.M.	323,531	38	21	8,513.97	15,406.24
N.Y.	7,900,498	564	320	14,007.97	24,689.05
N.C.	1,168,238	113	74	10,338.39	15,787.00
N.D.	204,238	25	14	8,169.52	14,588.43
Ohio	890,949	92	58	9,684.23	15,361.19
Okla.	*	*	*	*	*
Ore.	426,222	43	28	9,912.14	15,222.21
Pa.	1,143,108	98	62	11,664.37	18,437.23
R.I.	558,000	45	33	12,400.00	16,909.09
S.C.	581,936	77	51	7,557.61	11,410.51
S.D.	*	*	*	*	*
Tenn.	1,172,077	122	72	9,607.19	16,278.85
Tex.	1,220,955	119	86	10,260.01	14,197.15
Utah	294,668	43	28	6,852.74	10,523.86
Vt.	246,159	24	15	10,256.63	16,410.60
Va.	551,192	79	47	6,977.11	11,727.49
Wash.	644,900	48	24	13,435.42	26,870.83
W.Va.	362,714	45	28	8,060.31	12,954.07
Wisc.	1,713,394	173	118	9,904.01	14,520.29
Wyo.	87,028	8	4	10,878.50	21,757.00
Guam	109,109	12	8	9,092.42	13,638.63
P.R.	*	*	*	*	*
V.I.	80,186	8	6	10,023.25	13,364.33

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.	\$ 7,900,498	1	V.I.	\$ 1.432
2	Mich.	4,375,035	2	D.C.	1.234
3	Md.	2,400,965	3	Alaska	1.174
4	Ill.	2,199,759	4	Guam	1.091
5	Conn.	1,841,305	5	Md.	0.638
6	N.J.	1,773,832	6	Conn.	0.614
7	Wisc.	1,713,394	7	R.I.	0.613
8	Mass.	1,631,323	8	Vt.	0.561
9	Ala.	1,392,000	9	Nev.	0.512
10	Fla.	1,338,867	10	Mich.	0.499
11	Ga.	1,269,471	11	Me.	0.454
12	Tex.	1,220,955	12	N.Y.	0.431
13	La.	1,174,997	13	Ida.	0.426
14	Tenn.	1,172,077	14	Hawaii	0.424
15	N.C.	1,168,238	15	Wisc.	0.405
16	Pa.	1,143,108	16	Ala.	0.394
17	La.	1,094,885	17	Ia.	0.394
18	D.C.	984,416	18	N.D.	0.332
19	Ohio	890,949	19	N.M.	0.325
20	Minn.	658,972	20	La.	0.314
21	Wash.	644,900	21	Del.	0.313
22	Kans.	627,644	22	Mass.	0.298
23	Ky.	605,877	23	Tenn.	0.294
24	Ind.	599,635 (s)	24	Utah	0.282
25	S.C.	581,936	25	Ga.	0.274
26	R.I.	558,000	26	Wyo.	0.272
27	Va.	551,192	27	Kans.	0.270
28	Colo.	471,285	28	Ariz.	0.255
29	Me.	443,682	29	N.J.	0.248
30	Ariz.	432,302	30	N.H.	0.232
31	Ore.	426,222	31	N.C.	0.224
32	Mo.	425,923	32	Colo.	0.224
33	Miss.	366,374	33	Mont.	0.217
34	W.Va.	362,714	34	S.C.	0.216
35	Hawaii	336,957	35	Fla.	0.211
36	Alaska	331,100	36	Ore.	0.210
37	N.M.	323,531	37	W.Va.	0.199
38	Ark.	323,333	38	Ill.	0.199
39	Ida.	305,951	39	Wash.	0.190
40	Utah	294,668	40	Ky.	0.187
41	Vt.	246,159	41	Minn.	0.178
42	Nev.	234,163	42	Ark.	0.162
43	N.D.	204,238	43	Miss.	0.155
44	Del.	169,244	44	Va.	0.118
45	N.H.	166,566	45	Ind.	0.117 (s)
46	Mont.	150,711	46	Tex.	0.109
47	Guam	109,109	47	Pa.	0.097
48	Wyo.	87,028	48	Mo.	0.092
49	V.I.	80,186	49	Ohio	0.083

SECTION I. FOOTNOTES

- (a) Includes supportive services and Environmental Chemistry.
- (b) Overall Program Administration (Office of the Chief).
- (c) Sanitation Services, 23.6; Toxicological Services, 8.5; Other, 35.2.
- (d) Supportive services, 16.9; administration and clerical, 18.5; maintenance, 1.5.
- (e) Supportive services, 21.5; administrative space, 10.2; halls, utilities, restrooms, 17.4.
- (f) Environmental Health, 23.0; all other administrative, maintenance and support services, 25.0.
- (g) Analytical.
- (h) Supportive services.
- (i) Supplies, Equipment and Laboratory Support.
- (j) Laboratory Support, Storage, 32.0; Other, Library, Dressing Room, Conference Room, 11.0.
- (k) Estimated total. Where reporting of specimens or exams was essentially complete, an estimate was made for the missing figures.
- (l) Rabies only.
- (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: D.C., 334,766 specimens, 383,329 exams; La., 60,709 specimens; Mass., 1,005,661 exams; Mich., 979,867 specimens; N.J., 394,549 specimens; N.M., 109,968 specimens; N.Y., 70,330 specimens, 852,537 exams; N.C., 722,652 specimens.
- (n) Viral Isolations only.
- (o) Includes PKU and MSUD.
- (p) Estimated population as of July 1, 1969. Taken from Statistical Abstract of the United States: 1970. U.S. Bureau of the Census. (91st Edition) Washington, D.C., 1970, pages 12 and 794.
- (q) This is estimate as of July 1, 1968. More recent estimate not available.
- (r) Based on filled positions.
- (s) Figure includes Salaries and Travel only.
- (t) States not included in Table: California, Nebraska, Oklahoma, South Dakota, and Puerto Rico.

SECTION II

NEW PROGRAMS OF CURRENT INTEREST

TABLE 2-1. STATUS OF LABORATORY REGISTRATION LAWS

	No Bill or Law	Under Consideration:			Bill Introduced	Date Law Passed	Number of Facilities Registered (a)
		In Discussion Stage Only	By Study Committee	In Committee of Legislature			
Ala.	X	-	-	-	-	-	
Alaska	-	-	-	-	-	1970 (b)	
Ariz.	X	-	-	-	-	-	
Ark.	-	-	X	-	-	-	
Cal.	*	*	*	*	*	*	
Colo.	X	-	-	-	-	-	
Conn.	-	-	-	-	-	1961 *	
Del.	X	-	-	-	-	-	
D.C.	X	-	-	-	-	-	
Fla.	-	-	-	-	June 1967	IC-254, H-205 BB-22, PH-12, O-15	
Ga.	X	-	-	-	-	-	
Hawaii	X	-	-	-	-	-	
Ida.	X	-	-	-	-	-	
Ill.	X	-	-	-	-	-	
Ind.	X	-	-	-	-	-	
Ia.	X	-	-	-	-	-	
Kans.	-	X	-	-	(c)	-	
Ky.	X	-	-	-	-	-	
La.	X	-	-	-	-	-	
Me.	X	-	-	-	-	-	
Md.	-	-	-	-	Oct. 1966	IC-71, H-50, BB-43 PH-10, O-10	
Mass.	X	-	-	-	-	-	
Mich.	X	-	-	-	-	-	
Minn.	X	-	-	-	(d)	-	
Miss.	X	-	-	-	-	-	
Mo.	X	-	-	-	-	-	
Mont.	X (e)	-	-	-	June 1935 (e)	IC-5, H-69, P-31 BB-2, PH-1	
Nebr.	*	*	*	*	*	*	
Nev.	-	-	-	-	-	1967 (f)	
N.H.	-	-	X	-	-	-	
N.J.	-	-	-	-	-	1953 (g)	
N.M.	-	-	X	-	-	-	
N.Y.	-	-	-	-	July 1965	I-192, H-237 BB-*, PH-25	
N.C.	X	-	-	-	-	-	
N.D.	X	-	-	-	-	-	
Ohio	X	-	-	-	-	-	
Okla.	*	*	*	*	*	*	
Ore.	-	-	-	-	Jan. 1955	IC-70, H-80	
Pa.	X	-	-	-	-	-	
R.I.	X	-	-	-	-	-	
S.C.	X	-	-	-	-	-	
S.D.	*	*	*	*	*	*	
Tenn.	X	-	-	-	-	-	
Tex.	X	-	-	-	-	-	
Utah	X	-	-	-	-	-	
Vt.	X (h)	-	-	-	-	*	
Va.	X	-	-	-	-	-	
Wash.	X (h)	-	-	-	-	*	
W.Va.	X	-	-	-	-	-	
Wisc.	-	X	-	-	-	-	
Wyo.	X	-	-	-	-	-	
Guam	-	-	X	-	-	-	
P.R.	*	*	*	*	*	*	
V.I.	X	-	-	-	-	-	

TABLE 2-2. STATUS OF LABORATORY LICENSURE LAWS

	No Bill or Law	Under Consideration:			Bill Introduced	Date Law Passed	Number of Facilities Licensed (a)
		In Discussion Stage Only	By Study Committee	In Committee of Legislature			
Ala.	X	-	-	-	-	-	-
Alaska	-	X	-	-	-	-	-
Ariz.	-	-	-	-	-	Jan. 1970	(i)
Ark.	-	-	X	-	-	-	-
Cal.	*	*	*	*	*	*	*
Colo.	X	-	-	-	-	-	-
Conn.	-	-	-	-	-	1961	IC-65,H-40 PH-23,0-67 (j)
Del.	X	-	-	-	-	-	-
D.C.	X	-	-	-	-	-	-
Fla.	-	-	-	-	-	June 1967	IC-254,H-205 BB-22,PH-12,0-15
Ga.	-	-	-	-	-	March 1970 (k)	-
Hawaii	-	-	X	-	-	-	-
Ida.	X	-	-	-	-	-	-
Ill.	-	-	-	-	-	Jan. 1966	IC-334
Ind.	X	-	-	-	-	-	-
Ia.	-	-	-	X (1)	-	-	-
Kans.	X	-	-	-	-	-	-
Ky.	-	-	-	-	-	March 1968 (m)	-
La.	X	-	-	-	-	-	-
Me.	-	-	-	-	-	1967	IC-2
Md.	-	-	-	-	-	Oct. 1966	IC-71,H-50 S-10,0-10
Mass.	-	-	-	-	X (n)	-	-
Mich.	-	-	-	-	-	June 1968	IC-30,H-65,PH-6
Minn.	X	-	-	-	(o)	-	-
Miss.	X	-	-	-	-	-	-
Mo.	X	-	-	-	-	-	-
Mont.	-	-	-	-	X	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	1967	IC-12,H-6,PH-2
N.H.	-	-	X	-	-	-	-
N.J.	-	-	-	X (n)	-	May 1963 (p)	BB-127
N.M.	-	-	X	-	-	-	-
N.Y.	-	-	-	-	-	July 1965	IC-192,H-237,PH-25
N.C.	X	-	-	-	-	-	-
N.D.	X	-	-	-	-	-	-
Ohio	-	X	-	-	-	-	-
Okla.	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	Dec. 1969 (q)	-
Pa.	-	-	-	-	-	1951	IC-163,H-301,PH-2
R.I.	-	-	-	-	-	1961	IC-28
S.C.	-	-	X	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	May 1967	IC-21,H-133
Tex.	X	-	-	-	-	-	-
Utah	X	-	-	-	-	-	-
Vt.	X	-	-	-	-	-	-
Va.	-	X	-	-	-	-	-
Wash.	X	-	-	-	-	-	-
W.Va.	X	-	-	-	-	-	-
Wisc.	-	X	-	-	-	-	-
Wyo.	X	-	-	-	-	-	-
Guam	-	-	X	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	X	-	-	-	-	-	-

TABLE 2-3. STATUS OF LABORATORY PERSONNEL LICENSURE LAWS

	No Bill or Law	Under Consideration:			Bill Introduced	Date Law Passed	Number of Personnel Licensed (r)
		In Discussion Stage Only	By Study Committee	In Committee of Legislature			
Ala.	-	-	X (s)	-	-	-	
Alaska	-	X	-	-	-	-	
Ariz.	-	-	-	X	-	-	
Ark.	-	-	X	-	-	-	
Cal.	*	*	*	*	*	*	
Colo.	X	-	-	-	-	-	
Conn.	X (t)	-	-	-	-	-	
Del.	X	-	-	-	-	-	
D.C.	X	-	-	-	-	-	
Fla.	-	-	-	-	June 1970	D-261,S-913,Tg-1,995 Tc-1,136,Tr-*	
Ga.	-	X	-	-	-	-	
Hawaii	-	-	-	-	Nov. 1958	D-44,Tg-407	
Ida.	X	-	-	-	-	-	
Ill.	X	-	-	-	-	-	
Ind.	X	-	-	-	-	-	
Ia.	-	-	-	X (s)	-	-	
Kans.	X	-	-	-	(u)	-	
Ky.	X	-	-	-	-	-	
La.	X	-	-	-	-	-	
Me.	X	-	-	-	-	-	
Md.	X	-	-	-	-	-	
Mass.	-	-	-	-	X (s)	-	
Mich.	-	-	-	X	-	-	
Minn.	X	-	-	-	-	-	
Miss.	X	-	-	-	-	-	
Mo.	X	-	-	-	-	-	
Mont.	-	-	-	-	X (s)	-	
Nebr.	*	*	*	*	*	*	
Nev.	-	-	-	-	1967	D-21,S-* Tg-142,Tc-19 (v)	
N.H.	-	-	X	-	-	-	
N.J.	X	-	-	-	-	-	
N.M.	X	-	-	-	-	-	
N.Y.	-	-	-	-	July 1965	D-586	
N.C.	X	-	-	-	-	-	
N.D.	X	-	-	-	-	-	
Ohio	-	X	-	-	-	-	
Okla.	*	*	*	*	*	*	
Ore.	-	X	-	-	-	-	
Pa.	X	-	-	-	-	-	
R.I.	X	-	-	-	-	-	
S.C.	X	-	-	-	-	-	
S.D.	*	*	*	*	*	*	
Tenn.	-	-	-	-	May 1967	D-38,S-464 Tg-818,Tc-528	
Tex.	-	X	-	-	-	-	
Utah	X	-	-	-	-	-	
Vt.	X	-	-	-	-	-	
Va.	X	-	-	-	-	-	
Wash.	X	-	-	-	-	-	
W. Va.	X	-	-	-	-	-	
Wisc.	-	X	-	-	-	-	
Wyo.	X	-	-	-	-	-	
Guam	-	-	X	-	-	-	
P.R.	*	*	*	*	*	*	
V.I.	X	-	-	-	-	-	

TABLES 2-1 - 2-3. FOOTNOTES

- (a) Code: IC - Independent Clinical Laboratories; H - Hospital Laboratories; P - Physician's Office; BB - Blood Banks; O - Other; PH - Public Health.
- (b) Voluntary certification. Law covers Independent Clinical Laboratories, Hospital Laboratories and Blood Banks.
- (c) Bill was introduced but killed in House. New bill will probably be introduced.
- (d) Bill will be introduced in 1971 legislative session. Will cover 11 Independent Clinical Laboratories participating in Medicare.
- (e) Covered by regulation only.
- (f) Law covers Independent Clinical Laboratories, Hospital Laboratories and Blood Banks.
- (g) Laboratory registration is administered by the Board of Medical Examiners, Department of Law and Public Safety.
- (h) State has Board of Health Regulation for annual registration of Clinical Laboratories.
- (i) Law covers Independent Clinical, Hospital and State, County, City and City-County Public Health Laboratories.
- (j) Law requires licensure for all the activities of Private Clinical Laboratories and for the licensure of all laboratories engaged in Microbiological activities that are related to communicable disease. Other laboratories include Educational, Environmental, Industrial, Research and miscellaneous.
- (k) Covers Independent Clinical, Hospital and all Public Health Laboratories.
- (l) Law would cover Independent Clinical, Hospital and Public Health Laboratories.
- (m) Law covers Independent Clinical Laboratories and Schools of Medical Technology.
- (n) Would cover Independent Clinical and Hospital Laboratories.
- (o) Bill will be introduced in 1971 legislative session. Would cover 11 Independent Laboratories participating in Medicare and all Hospital and Clinical Laboratories including Physician Office Laboratories.
- (p) This law requires the licensure of Blood Banks.
- (q) Covers Independent Clinical Laboratories, Hospital Laboratories; State and City-County Public Health Laboratories.
- (r) Code: D - Directors; S - Supervisors; Tg - Technologists; Tc - Technicians; Tr - Trainees.
- (s) Would cover Directors, Supervisors, Technologists and Technicians.
- (t) There is no official licensing law in Connecticut for laboratory personnel. However, each Private Clinical Laboratory Director must meet one of the requirements of the Public Health Code and have written permission from the Commissioner of Health in order to act in this capacity. Director is held responsible to the Department for employing a qualified staff.
- (u) Bill was introduced by Technologists. Died in Committee.
- (v) In addition, 11 Laboratory Assistants are licensed.

TABLE 2-4. PROFICIENCY TESTING PROGRAMS UNDER MEDICARE AS OF JUNE 30, 1970

	<u>Proficiency Testing Programs Available:</u>				# Labs Participating in Programs	<u>Disciplines Covered by Programs:</u>	
	State-operated Program	State Approved Program				Glin. Chem.	Hema- tology
		CAP	AAB	Other			
Ala.	X	X	X	-	*	*	*
Alaska	-	X	-	-	6	*	*
Ariz.	X	X	X	-	152	X	X
Ark.	X	-	-	-	*	X	X
Cal.	*	*	*	*	*	*	*
Colo.	X	-	-	-	88	X	X
Conn.	X	-	-	-	*	X	X
Del.	X	X	X	-	12	X	X
D.C.	X	*	*	*	*	-	-
Fla.	X	X	X	X (a)	*	X	X
Ga.	(b)	-	-	-	-	-	-
Hawaii	X	X	X	-	34	X	X
Ida.	-	X	-	-	20 (c)	X	X
Ill.	X	X	X	X (d)	*	-	-
Ind.	X	X	-	-	11	X	X
Ia.	(e)	X	X	-	1 (e)	X	X
Kans.	X	X	X	-	*	X	X
Ky.	X	X	X	X	20	X	X
La.	-	X (f)	-	-	*	*	*
Me.	X	-	-	-	2	*	*
Md.	X	-	-	-	141	X	-
Mass.	X	X	X	-	87	X	X
Mich.	X	X	X	X	78	X	X
Minn.	X	-	-	-	175	X	-
Miss.	-	X	X	-	*	X	X
Mo.	X	X	X	-	*	*	*
Mont.	X	X	-	-	*	X	X
Nebr.	*	*	*	*	*	*	*
Nev.	X	X	-	-	25	X	X
N.H.	-	X	-	-	1	X	X
N.J.	X	X	X	-	266	X	X
N.M.	X	-	X	-	*	X	X
N.Y.	X	-	-	-	140	X	X
N.C.	-	X	X	-	13	*	*
N.D.	-	X	X	-	*	*	*
Ohio	X	X	X	-	350	X	X
Okla.	*	*	*	*	*	*	*
Ore.	-	X	-	-	8	X	X
Pa.	X	-	-	-	163	X	X
R.I.	X (g)	-	-	-	28 (h)	X	X
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	X	-	-	197	X	X
Tex.	X	X	X	-	*	X	X
Utah	X	X	-	-	33	X	X
Vt.	-	X	-	-	2 (i)	*	*
Va.	-	X	X	-	4	X	X
Wash.	X	X	-	-	36 (j)	X	X
W.Va.	X	-	-	-	3	X	X
Wisc.	X	-	-	-	293	X	X
Wyo.	(k)	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	X (1)	1	X	-

TABLE 2-4. PROFICIENCY TESTING PROGRAMS UNDER MEDICARE AS OF JUNE 30, 1970
(Continued)

	Disciplines Covered by Programs:						
	Immuno- hematology	Serology (VD)	Microbiology			Serology (other than VD)	Other
			Bacteriology	Mycology	Parasitology		
Ala.	*	X	*	*	*	*	*
Alaska	*	*	*	*	*	*	*
Ariz.	-	X	X	X	X	-	X
Ark.	X	X	X	X	X	X	X
Cal.	*	*	*	*	*	*	*
Colo.	X	X	X	-	-	-	-
Conn.	-	X	X	-	X	X	-
Del.	X	X	X	X	X	X	-
D.C.	-	X	-	-	-	-	-
Fla.	X	X	X	-	X	X	-
Ga.	-	-	-	-	-	-	-
Hawaii	X	X	X	-	X	X	-
Ida.	X	X	-	-	-	-	-
Ill.	X	X	X	X	X	-	X
Ind.	X	X	-	-	-	-	-
Ia.	-	X	X	-	-	X	-
Kans.	X	X	X	-	X	X	-
Ky.	X	X	X	-	X	-	-
La.	*	*	*	*	*	*	*
Ma.	*	-	*	-	-	-	-
Md.	-	X	-	-	X	-	-
Mass.	X	X	X	-	X	X	-
Mich.	X	X	X	X	X	X	-
Minn.	-	X	-	-	-	-	-
Miss.	-	-	X	-	-	-	-
Mo.	*	X	*	*	*	*	*
Mont.	X	X	X	X	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	X	X	X	X	X	X	-
N.H.	X	-	X	X	X	X	-
N.J.	X	*	X	-	X	X	-
N.M.	X	X	X	-	-	X	-
N.Y.	X	X	X	X	X	X	X
N.C.	*	*	*	*	*	*	*
N.D.	*	*	*	*	*	*	*
Ohio	X	X	X	X	X	X	-
Okla.	*	*	*	*	*	*	*
Ore.	X	-	X	-	X	X	-
Pa.	-	X	X	X	X	X	-
R.I.	X	X	X	X	X	X	-
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	X	-	X	X	X	-	-
Tex.	X	X	X	-	X	X	-
Utah	X	X	X	X	X	X	-
Vt.	*	*	*	*	*	*	*
Va.	X	X	X	-	X	X	-
Wash.	X	X	X	-	X	X	-
W.Va.	-	-	-	-	-	-	-
Wisc.	X	X	X	-	-	X	X
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	X	X	X	X	X	-

TABLE 2-5. PROFICIENCY TESTING PROGRAMS: CLINICAL CHEMISTRY

	# of Labs Participating:				# of Shipments per Lab:				# of Specimens per Sght.:				Type Specimen sent by State Lab	
	State	CAP	AAB	Other	State	CAP	AAB	Other	State	CAP	AAB	Other		
Ala.	-	*	*	-	-	*	*	-	-	*	*	-	-	-
Alaska	-	*	-	-	-	*	-	-	-	*	-	-	-	-
Ariz.	-	16	18	-	-	*	2-4	-	-	*	2(m)	-	-	-
Ark.	88	-	-	-	16	-	-	-	-	3(n)	-	-	-	Serum
Cal.	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Colo.	65	-	-	-	5	-	-	-	-	6	-	-	-	Serum
Conn.	54	-	-	-	5	-	-	-	-	4	-	-	-	Serum & Aqueous Standards
Del.	-	6	3	-	-	4	2	-	-	4-10	2-4	-	-	-
D.C.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fla.	-	72	42	3	-	*	*	*	-	*	*	*	-	-
Ga.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	1	1	-	-	*	*	-	-	*	*	-	-	-
Ida.	-	1	-	-	-	*	-	-	-	*	-	-	-	-
Ill.	-	*	*	*	-	*	*	*	-	*	*	*	-	-
Ind.	-	11	-	-	-	*	-	-	-	*	-	-	-	-
Ia.	-	*	1	-	-	*	4	-	-	*	2	-	-	-
Kans.	-	138	5	-	-	4	4	-	-	2	2	-	-	-
Ky.	-	17	1	1	-	4	2	*	-	2	2	*	-	-
La.	-	*	-	-	-	*	-	-	-	*	-	-	-	-
Me.	*	-	-	-	*	-	-	-	-	*	-	-	-	*
Md.	31	-	-	-	3	-	-	-	-	2	-	-	-	*
Mass.	-	60(o)	18(p)	-	-	4	4	-	-	2	2	-	-	-
Mich.	14	31	33	2	1	4	4	*	-	2	2	2	*	Dried Sera
Minn.	175	-	-	-	10	-	-	-	-	2	-	-	-	Lyophilized Serum
Miss.	-	50	2	-	-	*	*	-	-	*	*	-	-	-
Mo.	-	*	*	-	-	*	*	-	-	*	*	-	-	-
Mont.	-	30	-	-	-	*	-	-	-	*	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*	-	*	*	*	*	*
Nev.	-	24	-	-	-	4	-	-	-	2	-	-	-	-
N.H.	-	1	-	-	-	*	-	-	-	*	-	-	-	-
N.J.	238	54	28	-	4	4	4	-	-	3-5	*	*	-	Sera & Aqueous Standards
N.M.	6	-	1	-	1	-	2	-	-	2	-	2	-	*
N.Y.	109	-	-	-	6	-	-	-	-	6	-	-	-	*
N.C.	-	*	*	-	-	*	*	-	-	*	*	-	-	-
N.D.	-	*	*	-	-	*	*	-	-	*	*	-	-	-
Ohio	271	25	7	-	2	4	4	-	-	2	2	2	-	Lyophilized Serum
Okla.	*	*	*	*	*	*	*	*	-	*	*	*	*	*
Ore.	-	8	-	-	-	4	-	-	-	*	-	-	-	-
Pa.	82	-	-	-	1	-	-	-	-	3	-	-	-	Serum
R.I.	18	-	-	-	*	-	-	-	-	*	-	-	-	*
S.C.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	-	*	*	*	*	*
Tenn.	-	188	-	-	-	4	-	-	-	5	-	-	-	-
Tex.	-	*	*	-	-	*	*	-	-	*	*	-	-	-
Utah	-	14	-	-	-	*	-	-	-	*	-	-	-	-
Vt.	-	*	-	-	-	*	-	-	-	*	-	-	-	-
Va.	-	3	2	-	-	4	4	-	-	2	2	-	-	-
Wash.	-	10	-	-	-	4	-	-	-	2	-	-	-	-
W.Va.	3	-	-	-	10	-	-	-	-	1	-	-	-	*
Wisc.	247	-	-	-	6	-	-	-	-	20	-	-	-	Lyophilized Serum
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	-	*	*	*	*	*
V.I.	-	-	-	1	-	-	-	4	-	-	-	-	*	-

TABLE 2-5. PROFICIENCY TESTING PROGRAMS: CLINICAL CHEMISTRY
(Continued)

<u>Number of Constituents Tested:</u>		<u>Levels of Each Constituent:</u>
Ark.	Glucose 14	3
	BUN 9	3
	Uric Acid 9	3
	Calcium 3	2
	Total Protein 6	3
	Creatinine 3	2
	Cholesterol 3	2
Colo.	Glucose	3
	BUN	3
	UA	3
	Creatinine	3
	Cholesterol	3
	Electrolytes	3
Conn.	7	2
Me.	Glucose	low, normal, high (1 each)
	Urea Nitrogen	
	Cholesterol	
	Uric Acid	
Md.	Maximum of 5	1 high and 1 low of each
Mass.	CAP - Basic 8	*
	Comprehensive 15	*
	AAB - Series 15 18	*
	Series 10 14	*
	Series 5 5	*
Minn.	Glucose	5
	Urea Nitrogen	5
	Uric Acid	5
	Total Protein	4
	Calcium	5
	Phosphorous	4
	Sodium	5
	Potassium	5
	Bilirubin	3
	Creatinine	5
Nev.	CAP - Basic Program (21 labs), 8 constituents	2
	CAP - Comprehensive Program (5 labs), 16 constituents	2
N.J.	4	usually 3 (levels) in each series of specimens
Ohio	10	2
Pa.	4	*
Wash.	8 (in each specimen)	*
W.Va.	Glucose 4	4
	Urea Nitrogen 4	3
	Uric Acid 4	4
	Cholesterol 2	1
Wis.	4	4 levels/shipment

TABLE 2-6. PROFICIENCY TESTING PROGRAMS: HEMATOLOGY

	# of Labs Participating:				# of Shipments per Lab:				# of Specimens per Shpt.:				Type Specimen sent by State Lab
	State	CAP	AAB	Other	State	CAP	AAB	Other	State	CAP	AAB	Other	
Ala.	-	*	*	-	-	*	*	-	-	*	*	-	-
Alaska	-	*	-	-	-	*	-	-	-	*	-	-	-
Ariz.	-	17	-	-	-	*	-	-	-	*	-	-	-
Ark.	78	-	-	-	4	-	-	-	3(n)	-	-	-	Blood Serum Slides
Cal.	*	*	*	*	*	*	*	*	*	*	*	*	*
Colo.	65	-	-	-	3	-	-	-	6	-	-	-	Hemolysate
Conn.	54	-	-	-	5	-	-	-	2	-	-	-	*
Del.	-	6	2	-	-	4	2	-	-	4-10	4-12	-	-
D.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
Fla.	-	72	42	-	-	*	*	-	-	*	*	-	-
Ga.	-	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	1	1	-	-	*	*	-	-	*	*	-	-
Ida.	-	1	-	-	-	*	-	-	-	*	-	-	-
Ill.	-	*	*	*	-	*	*	*	-	*	*	*	-
Ind.	-	11	-	-	-	*	-	-	-	*	-	-	-
Ia.	-	*	1	-	-	*	4	-	-	*	2	-	-
Kans.	-	136	5	-	-	4	4	-	-	2	2	-	-
Ky.	-	17	1	1	-	4	2	*	-	2	2	*	-
La.	-	*	-	-	-	*	-	-	-	*	-	-	-
Me.	*	-	-	-	*	-	-	-	*	-	-	-	*
Md.	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass.	-	*	18	-	-	4	4	-	-	2	2	-	-
Mich.	14	30	33	3	1	4	4	*	6	2	2	*	Blood Slides
Minn.	-	-	-	-	-	-	-	-	-	-	-	-	-
Miss.	-	50	2	-	-	*	*	-	-	*	*	-	-
Mo.	-	*	*	-	-	*	*	-	-	*	*	-	-
Mont.	-	30	-	-	-	*	-	-	-	*	-	-	-
Nebr.	*	*	*	*	*	*	*	*	*	*	*	*	*
Nev.	-	25	-	-	-	4	-	-	-	2	-	-	-
N.H.	-	1	-	-	-	*	-	-	-	*	-	-	-
N.J.	254	54	28	-	4-5	4	4	-	3-6	*	*	-	Whole Blood & Fixed Cells
N.M.	-	-	1	-	-	-	2	-	-	-	2	-	-
N.Y.	114	-	-	-	3	-	-	-	8	-	-	-	*
N.C.	-	*	*	-	-	*	*	-	-	*	*	-	-
N.D.	-	*	*	-	-	*	*	-	-	*	*	-	-
Ohio	243	25	7	-	2	4	4	-	5	4	2	-	Hemolysates
Okla.	*	*	*	*	*	*	*	*	*	*	*	*	*
Ore.	-	8	-	-	-	4	-	-	-	*	-	-	-
Pa.	146	-	-	-	2	-	-	-	2	-	-	-	Whole Blood
R.I.	21	-	-	-	*	-	-	-	*	-	-	-	*
S.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenn.	-	188	-	-	-	4	-	-	-	5	-	-	-
Tex.	-	*	*	-	-	*	*	-	-	*	*	-	-
Utah	-	14	-	-	-	*	-	-	-	*	-	-	-
Vt.	-	*	-	-	-	*	-	-	-	*	-	-	-
Va.	-	3	2	-	-	4	4	-	-	3	2	-	-
Wash.	-	10	-	-	-	4	-	-	-	5	-	-	-
W.Va.	3	-	-	-	7	-	-	-	1	-	-	-	*
Wisc.	204	-	-	-	4	-	-	-	7	-	-	-	Whole Blood Slides
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-7. PROFICIENCY TESTING PROGRAMS: IMMUNOHEMATOLOGY

	# of Labs Participating:				# of Shipments per Lab:				# of Specimens per Shpt.:				Type Specimen sent by State Lab
	State	CAP	AAB	Other	State	CAP	AAB	Other	State	CAP	AAB	Other	
Ala.	-	*	*	-	-	*	*	-	-	*	*	-	-
Alaska	-	*	-	-	-	*	-	-	-	*	-	-	-
Ariz.	-	-	-	-	-	-	-	-	-	-	-	-	-
Ark.	76	-	-	-	2	-	-	-	3	-	-	-	Blood
Cal.	*	*	*	*	*	*	*	*	*	*	*	*	*
Colo.	65	-	-	-	2	-	-	-	6	-	-	-	Blood
Conn.	-	-	-	-	-	-	-	-	-	-	-	-	-
Del.	-	5	2	-	-	4	2	-	-	2-10	2-4	-	-
D.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
Fla.	-	69	41	-	-	*	*	-	-	*	*	-	-
Ga.	-	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	1	1	-	-	*	*	-	-	*	*	-	-
Ida.	-	1	-	-	-	*	-	-	-	*	-	-	-
Ill.	525	*	*	*	2	*	*	*	3-6	*	*	*	Blood
Ind.	-	9	-	-	-	*	-	-	-	*	-	-	-
Ia.	-	*	-	-	-	*	-	-	-	*	-	-	-
Kans.	-	114	4	-	-	4	4	-	-	1	1	-	-
Ky.	-	17	1	1	-	3	2	*	-	1-3	2	*	-
La.	-	*	-	-	-	*	-	-	-	*	-	-	-
Me.	*	-	-	-	*	-	-	-	*	-	-	-	*
Md.	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass.	60	-	-	-	1	-	-	-	10	-	-	-	Blood
Mich.	12	22	33	2	1	4	4	*	4	2	2	*	Blood
Minn.	-	-	-	-	-	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-	-	-	-	-	-
Mo.	-	*	*	-	-	*	*	-	-	*	*	-	-
Mont.	-	30	-	-	-	*	-	-	-	*	-	-	-
Nebr.	*	*	*	*	*	*	*	*	*	*	*	*	*
Nev.	-	24	-	-	-	4	-	-	-	2	-	-	-
N.H.	-	1	-	-	-	*	-	-	-	*	-	-	-
N.J.	108	54	*	-	4	*	*	-	2-4	*	*	-	Whole Blood & Serum
N.M.	6	-	1	-	1	-	2	-	4	-	2	-	*
N.Y.	88	-	-	-	1-3	-	-	-	4-5	-	-	-	*
N.C.	-	*	*	-	-	*	*	-	-	*	*	-	-
N.D.	-	*	*	-	-	*	*	-	-	*	*	-	-
Ohio	232	20	4	-	2	4	4	-	5	4	2	-	Whole Blood
Okla.	*	*	*	*	*	*	*	*	*	*	*	*	*
Ore.	-	7	-	-	-	4	-	-	-	*	-	-	-
Pa.	-	-	-	-	-	-	-	-	-	-	-	-	-
R.I.	17	-	-	-	*	-	-	-	*	-	-	-	*
S.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenn.	-	9	-	-	-	4	-	-	-	5	-	-	-
Tex.	-	*	*	-	-	*	*	-	-	*	*	-	-
Utah	-	14	-	-	-	*	-	-	-	*	-	-	-
Vt.	-	*	-	-	-	*	-	-	-	*	-	-	-
Va.	-	3	2	-	-	4	4	-	-	*	*	-	-
Wash.	-	10	-	-	-	4	-	-	-	3	-	-	-
W.Va.	-	-	-	-	-	-	-	-	-	-	-	-	-
Wisc.	172	-	-	-	4	-	-	-	4	-	-	-	Whole Blood
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-8. PROFICIENCY TESTING PROGRAMS: SEROLOGY (VD)

	# of Labs Participating:				# of Shipments per Lab:				# of Specimens per Shtpt.:				Type Specimen sent by State Lab
	State	CAP	AAB	Other	State	CAP	AAB	Other	State	CAP	AAB	Other	
Ala.	68	*	*	-	6	*	*	-	20	*	*	-	Serum
Alaska	-	*	-	-	-	*	-	-	-	*	-	-	-
Ariz.	136	-	-	-	10	-	-	-	10	-	-	-	Serum
Ark.	141	-	-	-	10	-	-	-	10	-	-	-	Serum
Cal.	*	*	*	*	*	*	*	*	*	*	*	*	*
Colo.	88	-	-	-	5	-	-	-	20	-	-	-	Serum
Conn.	38	-	-	-	2	-	-	-	10	-	-	-	Serum
Del.	12	-	-	-	10	-	-	-	10	-	-	-	Serum
D.C.	32	-	-	-	9	-	-	-	11	-	-	-	Sera
Fla.	110	-	-	-	4	-	-	-	10	-	-	-	Serum
Ga.	-	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	32	-	-	-	87	-	-	-	10	-	-	-	Serum
Ida.	-	1	-	-	-	*	-	-	-	*	-	-	-
Ill.	510	*	*	*	2-4	*	*	*	5-10	*	*	*	Serum
Ind.	9	-	-	-	12	-	-	-	8	-	-	-	Serum
Ia.	80	*	-	-	5	*	-	-	20	*	-	-	Serum
Kans.	132	-	-	-	6	-	-	-	10	-	-	-	Serum
Ky.	29	-	-	1	4	-	-	*	15	-	-	*	*
La.	-	*	-	-	-	*	-	-	-	*	-	-	-
Ma.	-	-	-	-	-	-	-	-	-	-	-	-	-
Md.	101	-	-	-	2	-	-	-	10	-	-	-	Serum
Mass.	50	-	-	-	6	-	-	-	10	-	-	-	Serum
Mich.	69	*	-	-	6	4	-	-	10	15	-	-	Sera
Minn.	52	-	-	-	12	-	-	-	12	-	-	-	Serum
Miss.	-	-	-	-	-	-	-	-	-	-	-	-	-
Mo.	51	*	*	-	100	*	*	-	10	*	*	-	Serum
Mont.	55	-	-	-	4	-	-	-	10	-	-	-	Serum
Nebr.	*	*	*	*	*	*	*	*	*	*	*	*	*
Nev.	18	-	-	-	6	-	-	-	10	-	-	-	*
N.H.	-	-	-	-	-	-	-	-	-	-	-	-	-
N.J.	*	*	*	-	*	*	*	-	*	*	*	-	*
N.M.	90	-	1	-	10	-	2	-	10	-	2	-	*
N.Y.	66	-	-	-	1-3	-	-	-	10	-	-	-	*
N.C.	-	*	*	-	-	*	*	-	-	*	*	-	-
N.D.	-	*	*	-	-	*	*	-	-	*	*	-	-
Ohio	315	25	7	-	5	4	4	-	10	*	*	-	Serum
Okla.	*	*	*	*	*	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-	-	-	-	-	-	-
Pa.	98	-	-	-	4	-	-	-	5	-	-	-	Serum
R.I.	39	-	-	-	*	-	-	-	*	-	-	-	*
S.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-	-	-	-	-	-
Tex.	57	-	-	-	4	-	-	-	5	-	-	-	Serum
Utah	32	-	-	-	60	-	-	-	10	-	-	-	Serum
Vt.	-	*	-	-	-	*	-	-	-	*	-	-	-
Va.	-	3	2	-	-	4	4	-	-	*	*	-	-
Wash.	121	-	-	-	6	-	-	-	10	-	-	-	Serum
W.Va.	-	-	-	-	-	-	-	-	-	-	-	-	-
Wisc.	149	-	-	-	10	-	-	-	10	-	-	-	Sera
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	*	*	*	*	*
V.I.	-	-	-	1	-	-	-	4	-	-	-	*	-

TABLE 2-9. PROFICIENCY TESTING PROGRAMS: BACTERIOLOGY

	# of Labs Participating:				# of Shipments per Lab:				# of Specimens per Shpt.:				Type Specimen sent by State Lab
	State	CAP	AAB	Other	State	CAP	AAB	Other	State	CAP	AAB	Other	
Ala.	-	*	*	-	-	*	*	-	-	*	*	-	-
Alaska	-	*	-	-	-	*	-	-	-	*	-	-	-
Ariz.	78	12(q)	-	-	4	*	-	-	-	3	*	-	-
Ark.	60	-	-	-	3	-	-	-	-	3(n)	-	-	-
Cal.	*	*	*	*	*	*	*	*	*	*	*	*	*
Colo.	52	-	-	-	2	-	-	-	-	6	-	-	-
Conn.	27	-	-	-	5	-	-	-	-	2	-	-	-
Del.	-	4	-	-	-	4	-	-	-	-	*	-	-
D.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
Fla.	-	65	38	7	-	*	*	*	-	-	*	*	*
Ga.	-	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	1	-	-	-	*	-	-	-	-	*	-	-
Ida.	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill.	400(r)	288(s)	164(s)	*	2-4	*	*	*	-	5-10	*	*	*
Ind.	-	-	-	-	-	-	-	-	-	-	-	-	-
Ia.	-	*	1	-	-	*	*	-	-	-	*	2	-
Kans.	-	67	-	-	-	4	-	-	-	-	1	-	-
Ky.	-	17	-	1	-	3	-	*	-	-	1	-	*
La.	-	*	-	-	-	*	-	-	-	-	*	-	-
Me.	*	-	-	-	*	-	-	-	-	*	-	-	-
Md.	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass.	51	-	-	-	5	-	-	-	-	5	-	-	-
Mich.	13	22	24	1	1	4	4	*	-	7	2	3	*
Minn.	-	-	-	-	-	-	-	-	-	-	-	-	-
Miss.	-	10	1	-	-	*	*	-	-	-	*	*	-
Mo.	-	*	*	-	-	*	*	-	-	-	*	*	-
Mont.	-	30	-	-	-	*	-	-	-	-	*	-	-
Nebr.	*	*	*	*	*	*	*	*	*	*	*	*	*
Nev.	-	24	-	-	-	4	-	-	-	-	2	-	-
N.H.	-	1	-	-	-	*	-	-	-	-	*	-	-
N.J.	258	54	*	-	4	*	*	-	-	4-5	*	*	-
N.M.	6	-	-	-	1	-	-	-	-	2	-	-	-
N.Y.	82	-	-	-	2-3	-	-	-	-	5-6	-	-	-
N.C.	-	*	*	-	-	*	*	-	-	-	*	*	-
N.D.	-	*	*	-	-	*	*	-	-	-	*	*	-
Ohio	202	20	4	-	2	4	4	-	-	5	1	2	-
Okla.	*	*	*	*	*	*	*	*	*	*	*	*	*
Ore.	-	8	-	-	-	4	-	-	-	-	*	-	-
Pa.	105	-	-	-	1	-	-	-	-	6	-	-	-
R.I.	15	-	-	-	*	-	-	-	-	*	-	-	-
S.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenn.	-	188	-	-	-	4	-	-	-	-	5	-	-
Tex.	41	-	-	-	3	-	-	-	-	4	-	-	-
Utah	-	14	-	-	-	*	-	-	-	-	*	-	-
Vt.	-	*	-	-	-	*	-	-	-	-	*	-	-
Va.	-	2	2	-	-	4	4	-	-	-	1	3	-
Wash.	-	10	-	-	-	4	-	-	-	-	1	-	-
W.Va.	-	-	-	-	-	-	-	-	-	-	-	-	-
Wisc.	173(t)	-	-	-	3	-	-	-	-	6	-	-	-
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	*	*	*	*	*
V.I.	-	-	-	1	-	-	-	4	-	-	-	-	*

TABLE 2-10. PROFICIENCY TESTING PROGRAMS: MYCOLOGY

	# of Labs Participating:				# of Shipments per Lab:				# of Specimens per Sht.:				Type Specimen sent by State Lab	
	State	CAP	AAB	Other	State	CAP	AAB	Other	State	CAP	AAB	Other		
Ala.	-	*	*	-	-	*	*	-	-	*	*	-	-	-
Alaska	-	*	-	-	-	*	-	-	-	*	-	-	-	-
Ariz.	35	2	-	-	4	*	-	-	-	3	*	-	-	Culture
Ark.	41	-	-	-	1	-	-	-	-	2	-	-	-	Cultures
Cal.	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Del.	-	4	1	-	-	4	2	-	-	-	*	12	-	-
D.C.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fla.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill.	-	(s)	(s)	*	-	*	*	*	-	-	*	*	*	-
Ind.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ia.	-	*	-	-	-	*	-	-	-	-	*	-	-	-
Kans.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
La.	-	*	-	-	-	*	-	-	-	-	*	-	-	-
Me.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Md.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mich.	-	6	-	-	-	4	-	-	-	-	2	-	-	-
Minn.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mo.	-	*	*	-	-	*	*	-	-	-	*	*	-	-
Mont.	-	30	-	-	-	*	-	-	-	-	*	-	-	-
Nebr.	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nev.	-	24	-	-	-	4	-	-	-	-	2	-	-	-
N.H.	-	1	-	-	-	*	-	-	-	-	*	-	-	-
N.J.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N.Y.	16	-	-	-	2	-	-	-	-	10	-	-	-	*
N.C.	-	*	*	-	-	*	*	-	-	-	*	*	-	-
N.D.	-	*	*	-	-	*	*	-	-	-	*	*	-	-
Ohio	175	5	3	-	1	4	4	-	-	5	*	*	-	Cultures
Okla.	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pa.	23	-	-	-	1	-	-	-	-	5	-	-	-	Culture
R.I.	15	-	-	-	*	-	-	-	-	*	-	-	-	*
S.C.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tenn.	-	1	-	-	-	4	-	-	-	-	5	-	-	-
Tex.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah	-	14	-	-	-	*	-	-	-	-	*	-	-	-
Vt.	-	*	-	-	-	*	-	-	-	-	*	-	-	-
Va.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	*	*	*	*	*	*
V.I.	-	-	-	1	-	-	-	4	-	-	-	-	*	-

TABLE 2-11. PROFICIENCY TESTING PROGRAMS: PARASITOLGY

	# of Labs Participating:				# of Shipments per Lab:				# of Specimens per Sht.:				Type Specimen sent by State Lab	
	State	CAP	AAB	Other	State	CAP	AAB	Other	State	CAP	AAB	Other		
Ala.	-	*	*	-	-	*	*	-	-	*	*	-	-	
Alaska	-	*	-	-	-	*	-	-	-	*	-	-	-	
Ariz.	75	3	-	-	4	*	-	-	3	*	-	-	PVA Preserved Fecal Material	
Ark.	67	-	-	-	3	-	-	-	2	-	-	-	Feces	
Cal.	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Conn.	40	-	-	-	1	-	-	-	1	-	-	-	Fecal Suspension	
Del.	-	4	1	-	-	8	2	-	-	*	12	-	-	
D.C.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fla.	-	69	41	-	-	*	*	-	-	*	*	-	-	
Ga.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hawaii	-	1	-	-	-	*	-	-	-	*	-	-	-	
Ida.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ill.	-	(a)	(s)	*	-	*	*	*	-	*	*	*	-	
Ind.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ia.	-	*	-	-	-	*	-	-	-	*	-	-	-	
Kans.	-	80	-	-	-	4	-	-	-	1	-	-	-	
Ky.	-	17	-	1	-	2	-	*	-	1	-	*	-	
La.	-	*	-	-	-	*	-	-	-	*	-	-	-	
Me.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Md.	78	-	-	-	1	-	-	-	5	-	-	-	Feces	
Mass.	-	49	-	-	-	4	-	-	-	2	-	-	-	
Mich.	-	20	20	1	-	4	4	*	-	2	2	*	-	
Minn.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Miss.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mo.	-	*	*	-	-	*	*	-	-	*	*	-	-	
Mont.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nebr.	*	*	*	*	*	*	*	*	*	*	*	*	*	
Nev.	-	24	-	-	-	4	-	-	-	2	-	-	-	
N.H.	-	1	-	-	-	*	-	-	-	*	-	-	-	
N.J.	-	54	*	-	-	*	*	-	-	*	*	-	-	
N.M.	-	-	-	-	-	-	-	-	-	-	-	-	-	
N.Y.	44	-	-	-	1-2	-	-	-	16	-	-	-	*	
N.C.	-	*	*	-	-	*	*	-	-	*	*	-	-	
N.D.	-	*	*	-	-	*	*	-	-	*	*	-	-	
Ohio	199	10	5	-	1	4	4	-	5	1	2	-	Fecal Suspensions	
Okla.	*	*	*	*	*	*	*	*	*	*	*	*	*	
Ore.	-	8	-	-	-	4	-	-	-	*	-	-	-	
Pa.	53	-	-	-	1	-	-	-	5	-	-	-	Fecal Material	
R.I.	15	-	-	-	*	-	-	-	*	-	-	-	*	
S.C.	-	-	-	-	-	-	-	-	-	-	-	-	-	
S.D.	*	*	*	*	*	*	*	*	*	*	*	*	*	
Tenn.	-	1	-	-	-	4	-	-	-	5	-	-	-	
Tex.	38	-	-	-	3	-	-	-	4	-	-	-	*	
Utah	-	14	-	-	-	*	-	-	-	*	-	-	-	
Vt.	-	*	-	-	-	*	-	-	-	*	-	-	-	
Va.	-	*	2	-	-	4	4	-	-	*	*	-	-	
Wash.	-	10	-	-	-	4	-	-	-	1	-	-	-	
W.Va.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wisc.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-	
P.R.	*	*	*	*	*	*	*	*	*	*	*	*	*	
V.I.	-	-	-	1	-	-	-	4	-	-	-	*	-	

TABLE 2-12. PROFICIENCY TESTING PROGRAMS: SEROLOGY (OTHER THAN VD)

	# of Labs Participating:				# of Shipments per Lab:				# of Specimens per Shpt.:				Type Specimen sent by State Lab
	State	CAP	AAB	Other	State	CAP	AAB	Other	State	CAP	AAB	Other	
Ala.	-	*	*	-	-	*	*	-	-	*	*	-	-
Alaska	-	*	-	-	-	*	-	-	-	*	-	-	-
Ariz.	-	-	-	-	-	-	-	-	-	-	-	-	-
Ark.	61	-	-	-	2	-	-	-	-	2	-	-	Serum
Cal.	*	*	*	*	*	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-	-	-	-	-	-
Conn.	43	-	-	-	1	-	-	-	-	1	-	-	Serum
Del.	-	4	-	-	-	4	-	-	-	-	*	-	-
D.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
Fla.	-	69	41	-	-	*	*	-	-	-	*	*	-
Ga.	-	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	1	-	-	-	*	-	-	-	-	*	-	-
Ida.	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill.	-	*	*	*	-	*	*	*	-	-	*	*	*
Ind.	-	-	-	-	-	-	-	-	-	-	-	-	-
Ia.	-	*	1	-	-	*	*	-	-	-	*	1	-
Kans.	-	65	-	-	-	4	-	-	-	-	1	-	-
Ky.	-	-	-	-	-	-	-	-	-	-	-	-	-
La.	-	*	-	-	-	*	-	-	-	-	*	-	-
Me.	-	-	-	-	-	-	-	-	-	-	-	-	-
Md.	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass.	62	-	-	-	3	-	-	-	-	5	-	-	Serum
Mich.	-	23	24	1	-	4	4	*	-	-	2	1	*
Minn.	-	-	-	-	-	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-	-	-	-	-	-
Mo.	-	*	*	-	-	*	*	-	-	-	*	*	-
Mont.	-	-	-	-	-	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*	-	*	*	*	*
Nev.	-	24	-	-	-	4	-	-	-	-	2	-	-
N.H.	-	1	-	-	-	*	-	-	-	-	*	-	-
N.J.	*	54	*	-	*	*	*	-	-	*	*	*	-
N.M.	6	-	-	-	1	-	-	-	-	4	-	-	*
N.Y.	94	-	-	-	1-3	-	-	-	-	10-16	-	-	*
N.C.	-	*	*	-	-	*	*	-	-	-	*	*	-
N.D.	-	*	*	-	-	*	*	-	-	-	*	*	-
Ohio	210	20	5	-	1	4	4	-	-	5	2	2	Serum
Okla.	*	*	*	*	*	*	*	*	-	*	*	*	*
Ore.	-	8	-	-	-	4	-	-	-	-	*	-	-
Pa.	12	-	-	-	1	-	-	-	-	5	-	-	Serum
R.I.	19	-	-	-	*	-	-	-	-	*	-	-	*
S.C.	-	-	-	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	-	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-	-	-	-	-	-
Tex.	44	-	-	-	4	-	-	-	-	4	-	-	Serum
Utah	-	14	-	-	-	*	-	-	-	-	*	-	-
Vt.	-	*	-	-	-	*	-	-	-	-	*	-	-
Va.	-	3	2	-	-	4	4	-	-	-	1	1	-
Wash.	-	10	-	-	-	4	-	-	-	-	1	-	-
W.Va.	-	-	-	-	-	-	-	-	-	-	-	-	-
Wisc.	164	-	-	-	7	-	-	-	-	18	-	-	Sera
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	-	*	*	*	*
V.I.	-	-	-	1	-	-	-	4	-	-	-	-	*

TABLE 2-13. PROFICIENCY TESTING PROGRAMS: OTHER

Type Program	No. of Labs Participating:			No. of Shpts. per Lab:			No. of Specimens per Shpt.:			Type Specimen sent by State Lab
	State	CAP	AAB	State	CAP	AAB	State	CAP	AAB	
Ala. *	-	*	*	-	*	*	-	*	*	-
Alaska *	-	*	-	-	*	-	-	*	-	-
Ariz. Comprehensive Blood Bank, Diagnostic Immunology & Basic Lab	-	(u)	-	-	*	-	-	*	-	-
Ark. Mycobacteriology	57	-	-	1	-	-	3	-	-	Micro Slides
Cal. *	*	*	*	*	*	*	*	*	*	*
Colo. -	-	-	-	-	-	-	-	-	-	-
Conn. -	-	-	-	-	-	-	-	-	-	-
Del. -	-	-	-	-	-	-	-	-	-	-
D.C. -	-	-	-	-	-	-	-	-	-	-
Fla. -	-	-	-	-	-	-	-	-	-	-
Ga. -	-	-	-	-	-	-	-	-	-	-
Hawaii -	-	-	-	-	-	-	-	-	-	-
Ida. -	-	-	-	-	-	-	-	-	-	-
Ill. PKU	80(v)	*	*	2-4	*	*	4	*	*	Guthrie-Blood
Ind. -	-	-	-	-	-	-	-	-	-	-
Ia. -	-	-	-	-	-	-	-	-	-	-
Kans. -	-	-	-	-	-	-	-	-	-	-
Ky. -	-	-	-	-	-	-	-	-	-	-
La. *	-	*	-	-	*	-	-	*	-	-
Me. -	-	-	-	-	-	-	-	-	-	-
Md. -	-	-	-	-	-	-	-	-	-	-
Mass. -	-	-	-	-	-	-	-	-	-	-
Mich. -	-	-	-	-	-	-	-	-	-	-
Minn. -	-	-	-	-	-	-	-	-	-	-
Miss. -	-	-	-	-	-	-	-	-	-	-
Mo. *	-	*	*	-	*	*	-	*	*	-
Mont. -	-	-	-	-	-	-	-	-	-	-
Nebr. *	*	*	*	*	*	*	*	*	*	*
Nev. -	-	-	-	-	-	-	-	-	-	-
N.H. -	-	-	-	-	-	-	-	-	-	-
N.J. -	-	-	-	-	-	-	-	-	-	-
N.M. -	-	-	-	-	-	-	-	-	-	-
N.Y. Virology	1	-	-	*	-	-	*	-	-	*
N.C. *	-	*	*	-	*	*	-	*	*	-
N.D. *	-	*	*	-	*	*	-	*	*	-
Ohio -	-	-	-	-	-	-	-	-	-	-
Okla. *	*	*	*	*	*	*	*	*	*	*
Ore. -	-	-	-	-	-	-	-	-	-	-
Pa. -	-	-	-	-	-	-	-	-	-	-
R.I. -	-	-	-	-	-	-	-	-	-	-
S.C. -	-	-	-	-	-	-	-	-	-	-
S.D. *	*	*	*	*	*	*	*	*	*	*
Tenn. -	-	-	-	-	-	-	-	-	-	-
Tex. -	-	-	-	-	-	-	-	-	-	-
Utah -	-	-	-	-	-	-	-	-	-	-
Vt. *	-	*	-	-	*	-	-	*	-	-
Va. -	-	-	-	-	-	-	-	-	-	-
Wash. -	-	-	-	-	-	-	-	-	-	-
W.Va. -	-	-	-	-	-	-	-	-	-	-
Wisc. PKU	85	-	-	6	-	-	6	-	-	Blood & Serum
Cytology	17	-	-	4	-	-	16	-	-	Slides
Alcohol	13	-	-	12	-	-	2	-	-	Blood & Urine
Wyo. -	-	-	-	-	-	-	-	-	-	-
Guam -	-	-	-	-	-	-	-	-	-	-
P.R. *	*	*	*	*	*	*	*	*	*	*
V.I. -	-	-	-	-	-	-	-	-	-	-

TABLE 2-14. LABORATORIES LOSING CERTIFICATION UNDER MEDICARE

	# of Labs Losing Cert. During Year	Reasons for Losing Certification
Ala.	-	-
Alaska	-	-
Ariz.	-	-
Ark.	-	-
Cal.	*	*
Colo.	-	-
Conn.	-	-
Del.	-	-
D.C.	-	-
Fla.	12	Voluntary withdrawals.
Ga.	-	-
Hawaii	1	Purchased by another laboratory and converted into collecting station.
Ida.	-	-
Ill.	-	-
Ind.	-	-
Ia.	-	-
Kans.	4	Voluntary withdrawals.
Ky.	-	-
La.	-	-
Me.	-	-
Md.	-	-
Mass.	3	2 withdrew from program; 1 was terminated by HEW.
Mich.	9	4 closed; 1 - no qualified director; 3 - collecting stations; 1 - private physician.
Minn.	-	-
Miss.	-	-
Mo.	-	-
Mont.	-	-
Nebr.	*	*
Nev.	-	-
N.H.	-	-
N.J.	8	1 did not qualify; 6 voluntary terminations; 1 did not renew to operate in New Jersey.
N.M.	-	-
N.Y.	20	3 closed; 14 denied certification; 3 withdrew. Reasons: Inadequate supervision; insufficient number of technical personnel, inadequate quality control, poor proficiency performance.
N.C.	-	-
N.D.	-	-
Ohio	11	4 withdrew from program; 6 went out of business; 1 - supervisor did not pass exam.
Okla.	*	*
Ore.	1	Personnel qualifications.
Pa.	-	-
R.I.	-	-
S.C.	-	-
S.D.	*	*
Tenn.	-	-
Tex.	-	-
Utah	-	-
Vt.	-	-
Va.	-	-
Wash.	4	2 closed; 1 sold; 1 converted to blood-drawing station.
W.Va.	-	-
Wis.	-	-
Wyo.	-	-
Guam	-	-
P.R.	*	*
V.I.	-	-

TABLES 2-4 - 2-14. FOOTNOTES

- (a) ASCP (for Cytology only) and Sunderman.
- (b) All 21 Medicare approved laboratories are doctorate directed and are not required to participate in proficiency testing. Most participate in the CAP program and some participate in the limited State-operated program.
- (c) Only one of these is an independent laboratory certified under Medicare.
- (d) Illinois Association of Clinical Laboratories, Chek-Lab, Inc.
- (e) The State Hygienic Laboratory operates a mandatory VDRL proficiency testing program and a voluntary program for other specialties, but these programs do not relate to Medicare. All independent laboratories under Medicare and an estimated two-thirds of the hospital laboratories participate, but only a single non-doctoral directed independent laboratory is required to participate.
- (f) Handled by Louisiana State Department of Hospitals.
- (g) Includes CAP distribution. Since Rhode Island purchases CAP services for independent laboratories, prepares independent evaluation of results and carries out follow-up on deficiencies, it is considered a State-operated program.
- (h) Represents independent laboratories. Information on hospitals is incomplete.
- (i) Represents independent laboratories. Number of hospital laboratories unknown.
- (j) Ten are required to participate.
- (k) The only three independent laboratories in the State are directed by pathologists; therefore, no approved State-approved testing program is required.
- (l) CDC.
- (m) 13 laboratories received 2 specimens of 12 constituents semi-annually for 72 determinations; 1 laboratory received 2 specimens of 21 constituents quarterly for 206 determinations; 2 laboratories received 2 specimens of 25 constituents quarterly for 238 determinations and 2 laboratories received 2 specimens of 12 constituents quarterly for 142 determinations.
- (n) Average number of specimens per shipment.
- (o) Includes two series.
- (p) Includes three series.
- (q) In addition, Basic Bacteriology, 2 laboratories; Special Bacteriology, 6 laboratories; Special Mycobacteriology, 1 laboratory.
- (r) In addition, 180 laboratories participated in TB culture (serum suspension) examination, receiving three shipments of three - nine specimens each.
- (s) Mycology and Parasitology included with Bacteriology as one total.
- (t) Represents General Bacteriology. 154 laboratories participate in Enteric Bacteriology with 6 shipments per laboratory, 1 specimen per shipment.
- (u) Comprehensive Blood Bank, 10 laboratories; Diagnostic Immunology, 1 laboratory; Basic Laboratory, 24 laboratories.
- (v) In addition, 35 laboratories participated in PKU Quantitative examinations. They received two - four shipments of four specimens of serum.

TABLE 2-15. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES

Year Present Lab Completed	Lab Space Increased FY 70- Net sq. ft. added	Planning Now in Progress (FY 71)	Planning Anticipated (FY 72)	Funds Appropriated For:		Architect Has Been Selected
				Planning	Construction	
Ala.	1954	-	X	-	-	-
Alaska	(a)	-	X	X	-	-
Ariz.	1954	-	X	X	-	-
Ark.	1969	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	1960	-	X	X	-	-
Conn.	1967	-	X	X	-	-
Del.	1959	-	-	-	-	-
D.C.	1948	-	-	-	-	-
Fla.	1954 (b)	X-500	X	-	X	X
Ga.	1960	-	-	-	-	-
Hawaii	1961	-	(c)	-	X	-
Ida.	1965	-	X (d)	-	-	-
Ill.	*	-	X	-	X	X
Ind.	1950	-	-	-	-	-
Ia.	1928	-	-	-	-	-
Kans.	1967	-	X	-	X	X
Ky.	1960	-	-	-	-	-
La.	1958	-	-	-	-	-
Me.	1969	X-3,000	-	-	-	-
Md.	1948	-	X	X	X	X
Mass.	1948	X-5,500	X	-	X	X
Mich.	1936 (e)	-	-	-	-	-
Minn.	1969	-	-	-	-	-
Miss.	1959	-	-	-	-	-
Mo.	1939	-	-	X	-	-
Mont.	1955	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	*	-	X	-	-	-
N.H.	1943	-	X	-	X	X
N.J.	1969	-	-	-	-	-
N.M.	1937	-	X	X	-	-
N.Y.	1918-48	X-14,000	X	-	X	X
N.C.	1940	-	X	-	X	X
N.D.	1968	-	-	-	-	-
Ohio	1941	-	X	-	X	X
Okla.	*	*	*	*	*	*
Ore.	1950	-	X	-	-	-
Pa.	1951	-	X	-	X	X
R.I.	1936	X-1,000	-	-	-	-
S.C.	1965	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	1954	-	-	-	-	-
Tex.	1958	-	-	-	-	-
Utah	1952	-	X	X	X	X
Vt.	1953	-	-	-	-	-
Va.	1924 (f)	-	-	-	-	-
Wash.	1965	-	-	-	-	-
W.Va.	1954	-	-	-	-	-
Wisc.	1953	-	-	-	-	-
Wyo.	1952	X-834	-	X	-	*
Guam	1969	-	X	X	X	X
P.R.	*	*	*	*	*	*
V.I.	1960	-	X	X	X	X

TABLE 2-15. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES
(Continued)

	Construction Should Begin by FY:	Estimated Cost	Estimated Gross Sq. Ft.	Estimated Net Sq. Ft.	Lab to be a Separate Building	Planned Building to Replace Present Lab
Ala.	*	\$ *	*	*	X	*
Alaska	1973	*	*	*	*	X (g)
Ariz.	*	1,755,450	23,000	*	X	-
Ark.	-	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	1973	380,000	7,000	5,100	-	-
Conn.	*	1,500,000	30,000	20,000	X	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	1971	1,100,000	*	20,000	X	X
Ga.	-	-	-	-	-	-
Hawaii	1973-74	588,000	1,600	1,600	-	-
Ida.	*	600,000	4,800 (h)	14,400	-	-
Ill.	(i)	5,750,000	170,000	50,000	X	X
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	1976	*	*	*	*	*
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	1971	14,000,000	165,000	75,000	-	X
Mass.	1970	12,025,199	193,000	155,000	X	X
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	*	*	*	*	*	*
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	*	*	*	*	X	X
N.H.	1971	2,540,000	40,000	36,000	X	X
N.J.	-	-	-	-	-	-
N.M.	*	3,800,000	60,000	*	*	X
N.Y.	(j)	45,000,000	475,000	275,000	- (k)	X
N.C.	1971	3,900,000	120,000 (l)	35,000	-	X
N.D.	-	-	-	-	-	-
Ohio	(j)	3,500,000	81,000	55,000	X	X
Okla.	*	*	*	*	*	*
Ore.	1975	500,000	30,000	25,000	X	X
Pa.	1972	3,700,000	120,000	73,000	X	X
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	*	1,090,000	*	27,000	X (m)	X
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	*	*	*	*	*	*
Guam	1972	1,200,000	35,000	*	-	-
P.R.	*	*	*	*	*	*
V.I.	*	*	2,800	2,800	-	X

TABLE 2-16. AUTOMATED LABORATORY PROCEDURES

Categories of Automated Procedures:				
	Clin. Chem.	Hematology	Serology	Other
Ala.	X	-	-	-
Alaska	-	-	-	-
Ariz.	X	-	-	-
Ark.	X	-	-	-
Cal.	*	*	*	*
Colo.	X	-	X	-
Conn.	*	*	*	*
Del.	-	-	X	-
D.C.	X	X	X	Blood Grouping
Fla.	X	-	-	-
Ga.	X	-	X	-
Hawaii	-	-	-	-
Ida.	X	-	-	-
Ill.	-	-	-	Toxicology, Sanitary Chemistry
Ind.	-	-	X	-
Ia.	X	-	-	-
Kans.	-	-	-	-
Ky.	X	-	-	-
La.	-	-	-	-
Me.	-	-	-	-
Md.	X	X	X	X
Mass.	X	-	-	-
Mich.	X	X	X	-
Minn.	X	-	-	-
Miss.	X	-	X	-
Mo.	X	-	-	-
Mont.	-	-	-	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	X	-	-	-
N.J.	X	X	X	Environmental Samples
N.M.	-	-	X	-
N.Y.	X	X	X	-
N.C.	X	-	-	-
N.D.	-	-	-	-
Ohio	X	-	-	-
Okla.	*	*	*	*
Ore.	-	-	X	-
Pa.	X	-	-	-
R.I.	X	-	-	-
S.C.	-	-	-	Water Chemistry
S.D.	*	*	*	*
Tenn.	X	-	-	-
Tex.	X	-	X	-
Utah	X	-	X	Water Chemistry
Vt	X	-	-	-
Va.	X	-	-	-
Wash.	-	-	-	-
W.Va.	-	-	-	-
Wisc.	X	X	-	Water Chemistry Cytology - Pathology
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	X	-	X	-

TABLE 2-16. AUTOMATED LABORATORY PROCEDURES
(Continued)

Percentage of Diag. Workload Handled by Auto. Procedures %		Automated Analytical Equipment Used by Laboratory
Ala.	2	AutoAnalyzer.
Alaska	-	-
Ariz.	*	Technicon AutoAnalyzer.
Ark.	<1	Technicon Single Channel AutoAnalyzer.
Cal.	*	*
Colo.	4	Technicon Dual Channel AutoAnalyzer, Canal Model I Autotiter.
Conn.	1	*
Del.	*	Technicon ART AutoAnalyzer.
D.C.	40	Technicon AutoAnalyzers: 12/30, Single Channel (5), SMA 7/A, 10 Channel.
Fla.	2	Technicon AutoAnalyzer, Basic (4), Basic - Continuous Filter, Basic - (Fluorometric).
Ga.	<1	Technicon AutoAnalyzer, Technicon ART AutoAnalyzer.
Hawaii	-	(2 Technicon Dual Channel AutoAnalyzers will be purchased in 1970).
Ida.	*	Technicon Bench Model.
Ill.	100	Technicon Type I AutoAnalyzers (2); Beckman Spectrophotometers: DK-2A (2), DB-G; Tracor Gas Chromatograph MT-22 (3); Varian Gas Chromatograph Aerograph 1520; Beckman Infrared Spectrophotometer IR-4; Beckman pH Meter Expanded Scale.
Ind.	-	Technicon Sampler II AutoAnalyzer.
Ia.	*	Technicon Dual Channel AutoAnalyzer, IL Flame Spectrophotometer, Turner Fluorometer.
Kans.	-	-
Ky.	14	Technicon AutoAnalyzer.
La.	-	-
Me.	-	-
Md.	10	Technicon Dual Channel AutoAnalyzer, Model F Coulter Cell Counter, Cooke Engineering Automatic Microtiter equipment, Lerner Laboratory Slide Stainer, Beckman Automatic Titrator, Beckman and Teletype Radiation Counting, Phoenix Precision Instrument Co. M-6800 Amino Acid Analyzer.
Mass.	*	Technicon AutoAnalyzers: Single, Double and Triple Channel, Automated Reagin.
Mich.	3.9	Technicon Single Channel AutoAnalyzer, Instrumentation Laboratories Model 143 Flame Photometer.
Minn.	10	Technicon Single Channel AutoAnalyzer.
Miss.	30	Technicon Dual Channel AutoAnalyzer.
Mo.	1	Technicon Dual Channel AutoAnalyzer.
Mont.	-	-
Nebr.	*	*
Nev.	-	-
N.H.	8	Technicon Basic AutoAnalyzer.
N.J.	30	Technicon Single Channel LKB-8600 AutoAnalyzer, Technicon ART, Thomas C-8 Concentration Readout and Peak Recorder, Coulter FN Counter.
N.M.	5	Technicon ART AutoAnalyzer.
N.Y.	30	Technicon Dual Channel AutoAnalyzer (5), 2 AutoAnalyzers for Serology, American Optical Robot Chemist, Model F Coulter Counter, Clifford 345 Densitometer, BBL Fibrometer. The Infectious Disease Center and Environmental Health Center also have automated analytical equipment used in research projects.
N.C.	95 (n)	Technicon AutoAnalyzers: SMA-12-30 (2); Amino-Acid; Single Channel, Colorimetric and Fluorometric (8).
N.D.	-	-
Ohio	10	Technicon AAI AutoAnalyzers (2).
Okla.	*	*
Ore.	3	Technicon ART AutoAnalyzer.
Pa.	100	Technicon Basic I AutoAnalyzer.
R.I.	10	Technicon AutoAnalyzers: Single Channel (3), Dual Channel (1).
S.C.	-	Technicon AutoAnalyzer, Perkin-Elmer 303 Atomic Absorption Spectrophotometer.
S.D.	*	*
Tenn.	0.01	Technicon Single Channel AutoAnalyzer.
Tex.	1	Technicon AutoAnalyzer, Canalco II Autotiter.
Utah	* (o)	Technicon Single Channel AutoAnalyzers: Water Chemistry (2), Clinical Chemistry (1); Technicon ART; Beckman 440 Atomic Absorption Spectrophotometer.
Vt.	50	Technicon Custom Multi Channel AutoAnalyzer, Bausch and Lomb 600 UV Spectrophotometer, Janell Ash 28710 Gas Chromatograph, Beckman IR-20 Infrared Spectrophotometer.

TABLE 2-16. AUTOMATED LABORATORY PROCEDURES
(Continued)

Percentage of Diag. Workload Handled by Auto. Procedures %		Automated Analytical Equipment Used by Laboratory
Va	*	Technicon Dual Channel AutoAnalyzer (used for Glucose only).
Wash.	-	-
W. Va.	-	-
Wisc.	15	Technicon AutoAnalyzers: SMA 12/60, Single Channel, Dual Channel, Model B Coulter Cell Counter, Technicon 2A Tissue Processor.
Wyo.	-	-
Guam	-	-
P.R.	*	*
V.I.	30	Technicon Basic AutoAnalyzer (for Glucose), Technicon ART, Technicon Fluorometer II.

TABLE 2-17. SCREENING PROGRAMS OTHER THAN PKU

Screening Programs Other Than PKU In Progress:		New Screening Programs Contemplated:
Ala.	- (p)	Urine Chromatography for Genetic Diseases
Alaska	-	-
Ariz.	-	-
Ark.	-	Gonorrhea in Family Planning Clinic Patients
Cal.	*	*
Colo.	-	Rubella HI and Rh Factor (q)
Conn.	Galactosemia, Lead Poisoning using ALA Determination	-
Del.	-	-
D.C.	*	*
Fla.	*	*
Ga.	-	-
Hawaii	*	*
Ida.	-	-
Ill.	-	-
Ind.	-	-
Ia.	-	-
Kans.	-	-
Ky.	-	-
La.	Group A Beta Hemolytic Streptococcus and G.C. Screening Program	-
Me.	-	-
Md.	-	Hepatitis Associated Antigen in Donor Blood, Galactosemia
Mass.	Galactosemia, Maternal PKU, Maternal Homocystinuria Urine Chromatography for almost all Amino Acid and Organic Acid Disorders	Orotic Acidemia, Hereditary Angioneurotic Edema
Mich.	-	-
Minn.	-	-
Miss.	Bacteriuria Diabetes	-
Mo.	-	-
Mont.	Rubella	-
Nebr.	*	*
Nev.	-	-
N.H.	Diabetes	-
N.J.	Diabetes Detection, Urine Drug Monitoring	-
N.M.	-	-
N.Y.	*	*
N.C.	-	-
N.D.	-	-
Ohio	-	-
Okla.	*	*
Ore.	Metabolic Disorders	Rubella
Pa.	-	-
R.I.	Maple Syrup Urine Disease, Galactosemia, Homocystinuria, Glucose, Cholesterol, Lead in Children	-
S.C.	-	-
S.D.	*	*
Tenn.	Glucose	-
Tex.	Diabetes	-
Utah	*	*
Vt.	-	-
Va.	*	*
Wash.	-	-
W. Va.	-	-
Wisc.	Rubella	-
Wyo.	-	-
Guam	-	-
P.R.	*	*
V.I.	Diabetes	Rubella

TABLES 2-15 - 2-17. FOOTNOTES

- (a) Juneau (Southeastern Regional Laboratory), 1937; Anchorage (Southcentral Regional Laboratory), 1962; Fairbanks (Northern Regional Laboratory), 1963.
- (b) Central Laboratory at Jacksonville. Regional Laboratories completed as follows: Miami, 1958; Orlando, 1957; Pensacola, 1965; Tallahassee, 1950; Tampa, 1966; West Palm Beach, 1953. Table figures represent Miami Branch Laboratory.
- (c) Feasibility study in progress for remodeling.
- (d) Addition of 60 feet to the present building, which is a joint facility with the Department of Agriculture.
- (e) 19 buildings phased in from 1936 to 1969.
- (f) Should move into new laboratory in September 1970.
- (g) Juneau facility.
- (h) Two floors plus basement.
- (i) Began in FY 1968.
- (j) Construction began in FY 1969.
- (k) Separate area beneath a tower office building.
- (l) Not all allocated to laboratory.
- (m) Will possibly be adjoining Division of Health office building.
- (n) This percentage applies only to the work in the Biochemistry Section.
- (o) 60% of water chemical analysis is handled by automated procedures.
- (p) MSUD, Tyrosinemia, Homocystinuria discontinued in January 1970.
- (q) Legislation to be introduced in 1971 session to require such tests on all female applicants, under age 55, for marriage license.

SECTION III

PERSONNEL

TABLE 3-1. LABORATORY STAFFING

	Total Budgeted Positions	Professional and Technical Positions (a)	Support Services Positions (b)	Administrative and Clerical Positions	Maintenance Positions (c)
Ala. (d)	168	129	17	22	-
Alaska (d)	25	13	7	5	-
Ariz. (d)	50	32	7	10	1
Ark.	49	26	12	10	1
Cal.	*	*	*	*	*
Colo.	52	36	10	5	1
Conn.	199	129	36	34	-
Del.	*	*	*	*	*
D.C. (d)	82	70	5	7	-
Fla. (d)	192	110	41	41	-
Ga. (d)	144	76	38	29	1
Hawaii (d)	38	24	8	6	-
Ida. (d)	41	27	3	9	2
Ill. (d)	219	123	43	52	1
Ind.	70 (e)	42	13	15	-
Ia. (d)	88	54	15	19	-
Kans.	65	41	11	12	1
Ky. (d)	59	35	13	10	1
La. (d)	142	74	26	42	-
Me.	45	31	6	8	-
Md. (d)	257	157	46	49	5
Mass.	202	80	64	43	15
Mich. (d)	392	206	103	54	29
Minn.	76	46	15	15	-
Miss. (d)	42	24	10	8	-
Mo.	46	29	9	8	-
Mont.	18	9	5	4	-
Nebr.	*	*	*	*	*
Nev. (d)	21	13	5	2	1
N.H.	20	13	3	4	-
N.J.	170	118	33	19	-
N.M. (d)	39	22	8	9	-
N.Y.	650	384	115	126	25
N.C. (d)	117	78	18	20	1
N.D. (d)	25	14	8	3	-
Ohio (d)	101	64	17	16	4
Okla.	*	*	*	*	*
Ore.	43	28	4	11	-
Pa. (d)	103	64	10	21	8
R.I.	51	37	6	8	-
S.C. (d)	85	57	12	15	1
S.D.	*	*	*	*	*
Tenn. (d)	124	74	26	24	-
Tex.	121	87	15	19	-
Utah	45	29	7	9	-
Vt.	24	15	4	5	-
Va. (d)	80	47	16	17	-
Wash.	48	24	9	14	1
W.Va.	45	28	8	8	1
Wisc.	178	120	25	33	-
Wyo.	8	4	2	2	-
Guam	13	9	2	1	1
P.R.	*	*	*	*	*
V.I.	8	6	1	1	-

TABLE 3-2. PERSONNEL DISTRIBUTION

	PERCENT OF TOTAL			
	Professional and Technical Positions	Support Services Positions	Administrative and Clerical Positions	Maintenance Positions
Ala.	76.8	10.1	13.1	-
Alaska	52.0	28.0	20.0	-
Ariz.	64.0	14.0	20.0	2.0
Ark.	53.1	24.5	20.4	2.0
Cal.	*	*	*	*
Colo.	69.3	19.2	9.6	1.9
Conn.	64.8	18.1	17.1	-
Del.	*	*	*	*
D.C.	85.4	6.1	8.5	-
Fla.	57.2	21.4	21.4	-
Ga.	52.8	26.4	20.1	0.7
Hawaii	63.2	21.0	15.8	-
Ida.	65.8	7.3	22.0	4.9
Ill.	56.2	19.6	23.7	0.5
Ind.	60.0	18.6	21.4	-
Ia.	61.4	17.0	21.6	-
Kans.	63.1	16.9	18.5	1.5
Ky.	59.3	22.0	17.0	1.7
La.	52.1	18.3	29.6	-
Me.	68.9	13.3	17.8	-
Md.	61.1	17.9	19.1	1.9
Mass.	39.6	31.7	21.3	7.4
Mich.	52.5	26.3	13.8	7.4
Minn.	60.6	19.7	19.7	-
Miss.	57.1	23.8	19.1	-
Mo.	63.0	19.6	17.4	-
Mont.	50.0	27.8	22.2	-
Nabr.	*	*	*	*
Nev.	61.9	23.8	9.5	4.8
N.H.	65.0	15.0	20.0	-
N.J.	69.4	19.4	11.2	-
N.M.	56.4	20.5	23.1	-
N.Y.	59.1	17.7	19.4	3.8
N.C.	66.7	15.4	17.1	0.8
N.D.	56.0	32.0	12.0	-
Ohio	63.4	16.8	15.8	4.0
Okla.	*	*	*	*
Ore.	65.1	9.3	25.6	-
Pa.	62.1	9.7	20.4	7.8
R.I.	72.5	11.8	15.7	-
S.C.	67.1	14.1	17.6	1.2
S.D.	*	*	*	*
Tenn.	59.7	21.0	19.3	-
Tex.	71.9	12.4	15.7	-
Utah	64.4	15.6	20.0	-
Vt.	62.5	16.7	20.8	-
Va.	58.8	20.0	21.2	-
Wash.	50.0	18.7	29.2	2.1
W.Va.	62.2	17.8	17.8	2.2
Wisc.	67.4	14.1	18.5	-
Wyo.	50.0	25.0	25.0	-
Guam	69.2	15.4	7.7	7.7
P.R.	*	*	*	*
V.I.	75.0	12.5	12.5	-

TABLE 3-3. EMPLOYMENT AND TURNOVER IN ALL POSITIONS

	Positions Budgeted	Positions Filled	Turnover		Employees Hired	Percent Turnover (f)
			Resignations	Separations		
Ala.	168	168	14	-	*	8.3
Alaska	25	25	4	-	5	16.0
Ariz.	50	50	10	2	20	24.0
Ark.	49	47	17	7	30	49.0
Cal.	*	*	*	*	*	*
Colo.	52	52	10	-	10	19.2
Conn.	199	185	31	3	32	17.1
Del.	*	24	5	2	7	29.2 (g)
D.C.	82	76	4	3	1	8.5
Fla.	192	186	34	6	43	20.8
Ga.	144	142	27	-	35	18.8
Hawaii	38	34	6	-	6	15.8
Ida.	41	41	-	-	5	-
Ill.	219	190	27	-	29	12.3
Ind.	70	70	8	-	6	11.4
Ia.	88	87	16	1	26	19.3✓
Kans.	65	64	17	1	19	27.7
Ky.	59	59	5	4	9	15.3
La.	142	137	37	-	34	26.1
Me.	45	44	1	1	7	4.4
Md.	257	235	68	7	67	29.2
Mass.	202	193	39	12	57	25.2
Mich.	392	391	41	12	55	13.5
Minn.	76	72	3	-	3	3.9
Miss.	42	42	1	-	1	2.4
Mo.	46	44	2	2	4	8.7
Mont.	18	17	2	-	2	11.1
Nebr.	*	*	*	*	*	*
Nev.	21	20	3	-	5	14.3
N.H.	20	20	-	-	-	-
N.J.	170	165	27	1	40	16.5
N.M.	39	38	10	-	12	25.6
N.Y.	650	564	84	9	111	14.3
N.C.	117	113	19	-	28	16.2
N.D.	25	25	5	-	6	20.0
Ohio	101	92	19	2	27	20.8
Okla.	*	*	*	*	*	*
Ore.	43	43	5	-	5	11.6
Pa.	103	98	19	1	27	19.4
R.I.	51	45	2	2	6	7.8
S.C.	85	77	13	-	12	15.3
S.D.	*	*	*	*	*	*
Tenn.	124	122	15	-	28	12.1
Tex.	121	119	16	-	23	13.2
Utah	45	43	5	2	6	15.6
Vt.	24	24	3	-	3	12.5
Va.	80	79	14	-	14	17.5
Wash.	48	48	4	1	7	10.4
W.Va.	45	45	7	2	9	20.0
Wisc.	178	173	35	-	29	19.7
Wyo.	8	8	1	-	1	12.5
Guam	13	12	1	-	-	7.7
P.R.	*	*	*	*	*	*
V.I.	8	8	1	-	-	12.5

TABLE 3-4. EMPLOYMENT AND TURNOVER IN PROFESSIONAL AND TECHNICAL POSITIONS

	Professional and Technical Positions Budgeted	Positions Filled	Turnover		Employees Hired	Percent Turnover (f)
			Resignations	Separations		
Ala.	129	129	11	-	*	8.5
Alaska	13	13	-	-	1	-
Ariz.	32	32	6	2	15	25.0
Ark.	26	24	6	1	9	26.9
Cal.	*	*	*	*	*	*
Colo.	36	36	3	-	3	8.3
Conn.	129	123	16	-	22	12.4
Del.	*	17	5	-	5	29.4 (g)
D.C.	70	64	2	3	-	7.1
Fla.	110	105	19	1	23	18.2
Ga.	76	75	18	-	26	23.7
Hawaii	24	20	4	-	4	16.7
Ida.	27	27	-	-	3	-
Ill.	123	107	9	-	13	7.3
Ind.	42	42	4	-	3	9.5
Ia.	54	53	5	-	12	9.3
Kans.	41	40	8	-	10	19.5
Ky.	35	35	2	1	6	8.6
La.	74	71	17	-	17	23.0
Me.	31	30	-	1	4	3.2
Md.	157	145	50	3	44	33.8
Mass.	80	79	15	1	12	20.0
Mich.	206	205	20	8	32	13.6
Minn.	46	46	1	-	1	2.2
Miss.	24	24	-	-	-	-
Mo.	29	27	2	1	3	10.3
Mont.	9	8	1	-	1	11.1
Nebr.	*	*	*	*	*	*
Nev.	13	12	3	-	5	23.1
N.H.	13	13	-	-	-	-
N. J.	118	115	17	-	27	14.4
N. M.	22	21	5	-	8	22.7
N. Y.	384	320	49	2	67	13.3
N. C.	78	74	17	-	21	21.8
N. D.	14	14	2	-	2	14.3
Ohio	64	58	10	-	14	15.6
Okla.	*	*	*	*	*	*
Ore.	28	28	2	-	2	7.1
Pa.	64	62	12	-	12	18.8
R. I.	37	33	2	1	5	8.1
S. C.	57	51	8	-	7	14.0
S. D.	*	*	*	*	*	*
Tenn.	74	72	6	-	12	8.1
Tex.	87	86	10	-	17	11.5
Utah	29	28	2	-	2	6.9
Vt.	15	15	3	-	3	20.0
Va.	47	47	8	-	8	17.0
Wash.	24	24	3	-	4	12.5
W. Va.	28	28	3	2	5	17.9
Wisc.	120	118	23	-	18	19.2
Wyo.	4	4	1	-	1	25.0
Guam	9	8	1	-	-	11.1
P. R.	*	*	*	*	*	*
V. I.	6	6	1	-	-	16.7

SECTION III. FOOTNOTES

- (a) Includes Laboratory Assistants and Laboratory Helpers who contribute directly to the performance of laboratory tests.
- (b) Includes personnel assigned to cleaning and sterilizing glassware, taking care of animals, and janitorial and messenger duties.
- (c) Includes those who perform installation, repair, and preventive maintenance on equipment.
- (d) Includes Branch Laboratory personnel.
- (e) In addition, Indiana had four temporary summer employees (3 technical and 1 supportive services).
- (f) Based on budgeted positions.
- (g) Based on filled positions, as budgeted positions figure not available.

SECTION IV

TRAINING ACTIVITIES AND STAFF DEVELOPMENT

TABLE 4-1. FORMAL COURSES AND WORKSHOPS SPONSORED OR CONDUCTED BY STATE LABORATORY FOR OTHER THAN STATE LABORATORY PERSONNEL

	Total No. of Courses	Diagnostic Microbiology, Clinical Chemistry		Sanitary Bacteriology and Chemistry		Laboratory Techniques and Procedures	
		No. of Students	Student- days Training	No. of Students	Student- days Training	No. of Students	Student- days Training
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	5	77	146	-	-	66	66
Ark.	1	14	70	-	-	-	-
Cal.	*	*	*	*	*	*	*
Colo.	2	-	-	-	-	123	123
Conn.	3	5	25	24	216	152	152
Del.	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-
Fla.	3	24	132	38	27	-	-
Ga.	6	67	66	-	-	74	112
Hawaii	-	-	-	-	-	-	-
Ida.	3	47	54	19	95	-	-
Ill.	(a)	-	-	-	-	-	-
Ind.	2	-	-	-	-	10	10
Ia.	17	151	241	50	50	56	120
Kans.	7	1	1	110	440	23	80
Ky.	2	22	30	-	-	-	-
La.	2	72	432	-	-	-	-
Me.	3	50	250	-	-	-	-
Md.	3	56	169	-	-	17	17
Mass.	2	62	186	-	-	-	-
Mich.	2	14	70	-	-	16	48
Minn.	1	13	1,404	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	3	46	140	-	-	6	6
Mont.	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	33	121	121	-	-	650	659
N.M.	1	-	-	-	-	6	6
N.Y.	10	1,161	14,625	-	-	189	840
N.C.	4	18	90	48	96	39	199
N.D.	-	-	-	-	-	-	-
Ohio	46	1,366	3,608	25	25	-	-
Okla.	*	*	*	*	*	*	*
Ore.	1	17	17	-	-	-	-
Pa.	5	90	204	-	-	31	88
R.I.	-	-	-	-	-	-	-
S.C.	7	68	298	25	25	5	75
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	15	110	425	-	-	38	114
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	1	-	-	-	-	9	9
Wash.	3	11	33	-	-	10	100
W. Va.	2	-	-	-	-	29	145
Wisc.	16	351	1,899	20	100	32	80
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	2	2	120	-	-	-	-

TABLE 4-2. BENCH TRAINING PROVIDED BY STATE LABORATORY FOR OTHER THAN STATE LABORATORY PERSONNEL

	Total No. of Courses	Diagnostic Microbiology, Clinical Chemistry		Sanitary Bacteriology and Chemistry		Laboratory Techniques and Procedures	
		No. of Students	Student- days Training	No. of Students	Student- days Training	No. of Students	Student- days Training
Ala.	4	-	-	-	-	62	393
Alaska	-	-	-	-	-	-	-
Ariz.	3	17	192	-	-	-	-
Ark.	7	10	19	2	8	-	-
Cal.	*	*	*	*	*	*	*
Colo.	4	12	36	2	10	3	18
Conn.	27	13	23	66	2,930	97	1,576
Del.	3	4	16	3	3	-	-
D.C.	1	-	-	-	-	5	25
Fla.	6	8	26	9	29	5	15
Ga.	6	18	432	-	-	-	-
Hawaii	7	19	355	-	-	25	13
Ida.	6	1	1	-	-	8	23
Ill.	35	21	111	100	78	134	637
Ind.	8	61	93	-	-	290	290
Ia.	7	6	10	4	4	44	47
Kans.	2	-	-	60	60	14	28
Ky.	2	25	531	-	-	-	-
La.	3	18	120	-	-	-	-
Me.	1	1	1	-	-	-	-
Md.	9	25	426	4	56	7	25
Mass.	10	27	53	-	-	18	519
Mich.	7	70	5,192	-	-	1	2
Minn.	1	13	1,404	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	6	37	60	3	9	-	-
Mont.	2	21	103	-	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	1	-	-	-	-	4	8
N.H.	-	-	-	-	-	-	-
N.J.	12	26	35	2	6	12	157
N.M.	-	-	-	-	-	-	-
N.Y.	5	10	17	-	-	1	10
N.C.	11	59	1,575	2	5	20	44
N.D.	1	-	-	-	-	14	700
Ohio	1	-	-	-	-	8	36
Okla.	*	*	*	*	*	*	*
Ore.	14	25	69	-	-	-	-
Pa.	10	58	2,155	-	-	6	147
R.I.	3	15	104	-	-	-	-
S.C.	3	2	16	1	1	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	7	10	14	-	-	4	1
Vt.	-	-	-	-	-	-	-
Va.	4	11	21	-	-	2	2
Wash.	6	5	19	-	-	1	1
W.Va.	6	3	7	11	22	4	10
Wisc.	11	66	1,301	-	-	2	10
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 4-3. TRAINING OF STATE PROFESSIONAL AND TECHNICAL STAFF IN FORMAL COURSES AND SEMINARS

	Number of Professional and Technical Employees (b)	Number Attending a Formal Course or Seminar	Total Man- Days of Attendance	Average Man-Days of Attendance per Employee
Ala.	129	5	25	0.19
Alaska	13	3	13	1.00
Ariz.	32	6	12	0.38
Ark.	24	5	54	2.25
Cal.	*	*	*	*
Colo.	36	2	15	0.42
Conn.	123	11	42	0.34
Del.	17	10 (c)	39	2.29
D.C.	64	19	477	7.45
Fla.	105	29	94	0.90
Ga.	75	144	480	6.40
Hawaii	20	31	62	3.10
Ida.	27	9	89	3.30
Ill.	107	10	27	0.25
Ind.	42	1	5	0.12
Ia.	53	4	16	0.30
Kans.	40	6	45	1.13
Ky.	35	11	57	1.63
La.	71	1	4	0.06
Me.	30	5	66	2.20
Md.	145	64	59	0.41
Mass.	79	10	196	2.48
Mich.	205	5	95	0.46
Minn.	46	-	-	-
Miss.	24	2	10	0.42
Mo.	27	12	48	1.78
Mont.	8	-	-	-
Nebr.	*	*	*	*
Nev.	12	-	-	-
N.H.	13	3	*	*
N.J.	115	19	124	1.08
N.M.	21	3	25	1.19
N.Y.	320	*	*	*
N.C.	74	211	773	10.45
N.D.	14	1	10	0.71
Ohio	58	-	-	-
Okla.	*	*	*	*
Ore.	28	4	23	0.82
Pa.	62	43	88	1.42
R.I.	33	-	-	-
S.C.	51	34	108	2.12
S.D.	*	*	*	*
Tenn.	72	5	34	0.47
Tex.	86	-	-	-
Utah	28	-	-	-
Vt.	15	2	10	0.67
Va.	47	-	-	-
Wash.	24	87	101	4.21
W.Va.	28	14	52	1.86
Wisc.	118	16	35	0.30
Wyo.	4	-	-	-
Guam	8	3	44	5.50
P.R.	*	*	*	*
V.I.	6	-	-	-

TABLE 4-3. TRAINING OF STATE PROFESSIONAL AND TECHNICAL STAFF IN
 FORMAL COURSES AND SEMINARS
 (Continued)

	<u>Total Man-Days of Training by Subject:</u>					
	Bacteriology	Parasitology	Mycology	Virology	Clin. Chem.	Administration
Ala.	10	5	-	-	-	-
Alaska	-	-	-	3	5	5
Ariz.	6	-	-	-	-	-
Ark.	40	-	-	-	-	5
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	26	-	-
Del.	-	-	-	2	-	-
D.C.	25	-	-	10	108	44
Fla.	16	23	-	3	-	3
Ga.	36	12	-	24	9	83
Hawaii	-	-	-	5	-	10
Ida.	35	-	-	-	-	5
Ill.	-	-	-	1	-	19
Ind.	-	-	-	-	-	5
Ia.	5	-	-	-	-	5
Kans.	15	-	-	15	-	-
Ky.	17	-	10	-	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	15
Md.	10	8	-	1	7	-
Mass.	68	24	-	20	-	5
Mich.	75	-	-	15	-	-
Minn.	-	-	-	-	-	-
Miss.	-	5	-	-	-	-
Mo.	6	-	-	-	-	5
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	*	-
N.J.	45	-	-	30	3	-
N.M.	5	-	-	5	-	-
N.Y.	*	*	*	*	*	*
N.C.	21	-	-	128	5	57
N.D.	10	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	1	-	10	-
Pa.	4	-	-	-	16	15
R.I.	-	-	-	-	-	-
S.C.	20	-	3	20	-	20
S.D.	*	*	*	*	*	*
Tenn.	20	-	-	-	-	5
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	5	-	-	-	-	5
Va.	-	-	-	-	-	-
Wash.	14	-	-	-	-	9
W. Va.	-	-	-	9	1	7
Wisc.	7	-	-	-	-	5
Wyo.	-	-	-	-	-	-
Guam	39	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 4-3. TRAINING OF STATE PROFESSIONAL AND TECHNICAL STAFF IN FORMAL COURSES AND SEMINARS
(Continued)

	Total Man-Days of Training by Subject:						
	Serology	San. Bact. and San. Chem.	Environ. Chem.	Laboratory Techniques	Quality Control	Instru.	All Others
Ala.	5	-	-	-	5	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	6
Ark.	-	9	-	-	-	-	-
Cal.	*	*	*	*	*	*	*
Colo.	-	10	5	-	-	-	-
Conn.	-	-	-	2	-	4	10
Del.	-	24	-	-	-	-	13
D.C.	-	80	200	-	10	-	-
Fla.	-	16	-	-	-	-	33
Ga.	4	6	-	205	5	-	96
Hawaii	-	12	7	-	-	2	26
Ida.	-	-	25	-	5	-	19
Ill.	-	3	2	-	-	2	-
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	4	2
Kans.	-	5	-	5	-	-	5
Ky.	15	4	3	-	-	8	-
La.	-	-	-	-	-	-	4
Me.	-	-	-	1	-	-	50
Md.	-	-	25	-	-	8	-
Mass.	-	-	-	-	-	-	79
Mich.	-	-	-	-	-	5	-
Minn.	-	-	-	-	-	-	-
Miss.	-	5	-	-	-	-	-
Mo.	15	-	-	-	-	5	17
Mont.	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	10	20	5	-	-	8	3
N.M.	15	-	-	-	-	-	-
N.Y.	*	*	*	*	*	*	*
N.C.	10	15	5	-	-	-	532
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*
Ore.	10	-	-	2	-	-	-
Pa.	-	4	-	-	-	5	44
R.I.	-	-	-	-	-	-	-
S.C.	10	-	12	11	-	12	-
S.D.	*	*	*	*	*	*	*
Tenn.	5	4	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	14	-	55	-	-	9
W.Va.	14	5	-	-	4	-	12
Wisc.	-	5	-	-	-	-	18
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	5	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 4-4. BENCH TRAINING RECEIVED BY STATE PROFESSIONAL AND TECHNICAL STAFF

	Number of Professional and Technical Employees (b)	Number Receiving Bench Training	Total Man-days of Training	Average Man-days of Training per Employee
Ala.	129	1	5	0.04
Alaska	13	-	-	-
Ariz.	32	-	-	-
Ark.	24	1	10	0.42
Cal.	*	*	*	*
Colo.	36	-	-	-
Conn.	123	28	708	5.76
Del.	17	12	21	1.24
D.C.	64	3	105	1.64
Fla.	105	6	10	0.10
Ga.	75	18	114	1.52
Hawaii	20	-	-	-
Ida.	27	2	10	0.37
Ill.	107	59	62	0.58
Ind.	42	1	5	0.12
Ia.	53	3	7	0.13
Kans.	40	4	5	0.13
Ky.	35	-	-	-
La.	71	-	-	-
Me.	30	3	5	0.17
Md.	145	104	864	5.96
Mass.	79	12	22	0.28
Mich.	205	-	-	-
Minn.	46	-	-	-
Miss.	24	-	-	-
Mo.	27	10	29	1.07
Mont.	8	1	14	1.75
Nebr.	*	*	*	*
Nev.	12	-	-	-
N.H.	13	-	-	-
N.J.	115	10	19	0.17
N.M.	21	3	22	1.05
N.Y.	320	*	*	*
N.C.	74	32	54	0.73
N.D.	14	-	-	-
Ohio	58	9	51	0.88
Okla.	*	*	*	*
Ore.	28	-	-	-
Pa.	62	-	-	-
R.I.	33	-	-	-
S.C.	51	3	15	0.29
S.D.	*	*	*	*
Tenn.	72	-	-	-
Tex.	86	-	-	-
Utah	28	-	-	-
Vt.	15	3	5	0.33
Va.	47	7	53	1.13
Wash.	24	1	3	0.13
W.Va.	28	-	-	-
Wisc.	118	1	1	0.01
Wyo.	4	-	-	-
Guam	8	1	2	0.25
P.R.	*	*	*	*
V.I.	6	3	12	2.00

TABLE 4-4. BENCH TRAINING RECEIVED BY STATE PROFESSIONAL
AND TECHNICAL STAFF
(Continued)

	Total Man-Days of Training by Subject:					
	Bacteriology	Parasitology	Mycology	Virology	Clin. Chem.	Serology
Ala.	-	-	-	-	-	5
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	10	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	500	50	50	5	-	3
Del.	-	-	-	15	-	-
D.C.	10	-	-	-	-	-
Fla.	-	-	-	-	-	-
Ga.	35	11	-	2	2	58
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	1	7
Ind.	-	-	-	-	-	5
Ia.	-	-	-	-	-	-
Kans.	-	-	-	2	-	-
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	181	-	-	211	63	-
Mass.	3	-	-	14	-	-
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	-	-	15	3	-	-
Mont.	-	-	-	14	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	-	2	9
N.M.	2	-	-	5	-	15
N.Y.	*	*	*	*	*	*
N.C.	5	-	-	45	-	-
N.D.	-	-	-	-	-	-
Ohio	1	-	-	-	-	15
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	10	-	-	3	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	4
Va.	33	-	15	-	5	-
Wash.	3	-	-	-	-	-
W.Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	1	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	2
P.R.	*	*	*	*	*	*
V.I.	4	-	-	-	-	-

TABLE 4-4. BENCH TRAINING RECEIVED BY STATE PROFESSIONAL
AND TECHNICAL STAFF
(Continued)

	Total Man-Days of Training by Subject:					All Others
	San. Chem. and San. Bact.	Environ. Chem.	Lab. Techniques	Quality Control	Instru.	
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	80	-	6	-	14	-
Del.	-	-	-	-	-	6
D.C.	95	-	-	-	-	-
Fla.	-	-	-	-	-	10
Ga.	3	-	-	2	-	1
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	10
Ill.	31	21	1	-	1	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	3	4	-
Kans.	3	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	5	-	-	-	-	-
Md.	79	171	84	-	1	74
Mass.	-	-	-	-	-	5
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	11	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	6	-	-	2	-	-
N.M.	-	-	-	-	-	-
N.Y.	*	*	*	*	*	*
N.C.	-	-	-	4	-	-
N.D.	-	-	-	-	-	-
Ohio	25	9	-	-	-	1
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	2	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	1	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	4	-	-	-	-	4

TABLE 4-5. SOURCES AND AMOUNTS OF TRAINING FUNDS RECEIVED DURING FISCAL YEAR

	Total Amount of Training Funds	Sources of Training Funds
Ala.	\$ -	-
Alaska	2,986	State budget.
Ariz.	-	-
Ark.	*	Health Department Funds, Federal (314e and others).
Cal.	*	*
Colo.	2,600	State budgeted monies.
Conn.	1,574	Federal, \$754; State, \$820.
Del.	-	-
D.C.	5,346	D.C. Funds, \$2,075; Federal, \$3,271.
Fla.	-	-
Ga.	-	Health Department Funds.
Hawaii	-	-
Ida.	*	Laboratory general funds, Food Technologist's Association. (Teaching personnel were provided by Health Department).
Ill.	-	-
Ind.	0	-
Ia.	49,175	HSMHA Grant.
Kans.	-	-
Ky.	-	General Travel Fund.
La.	*	State.
Me.	2,324	State, \$1,024; Federal, \$1,300.
Md.	*	State.
Mass.	231,699	NIH Training Grant, \$58,207; HSMHA Grant Award entitled "Clinical Laboratory Improvement and Evaluation in the Commonwealth of Massachusetts," 3/1/69 - 2/28/70, \$88,229, 3/1/70 - 2/28/71, \$85,263.
Mich.	2,750	Michigan Department of Public Health.
Minn.	1,165	State.
Miss.	600	State.
Mo.	-	-
Mont.	400	Regional Medical Program; remainder from travel allotment of regular budget.
Nebr.	*	*
Nev.	-	-
N.H.	-	-
N.J.	3,844	Federal \$66; State, \$3,778.
N.M.	-	-
N.Y.	25,000	Office of Professional Training of State Health Department, some of which they obtain from Federal sources.
N.C.	*	Federal (314d funds, Short term Training Grants and Travel budget).
N.D.	-	-
Ohio	2,451	Comprehensive Health, \$2,246; Water Pollution, \$205.
Okla.	*	*
Ore.	*	*
Pa.	-	-
R.I.	-	-
S.C.	-	General laboratory budget.
S.D.	*	*
Tenn.	-	-
Tex.	*	Laboratory budget.
Utah	-	-
Vt.	-	-
Va.	-	-
Wash.	-	No Federal money used. Other training funds a part of total laboratory budget.
W.Va.	-	50% of Travel budget is utilized for training purposes (travel and per diem expense).
Wisc.	-	-
Wyo.	-	-
Guam	-	-
P.R.	*	*
V.I.	*	*

TABLE 4-6. ACADEMIC TRAINING OF STATE LABORATORY STAFFS DURING YEAR REPORTED

	Number of Staff Members Receiving Training	Number Receiving A Degree	Source of Financial Support		
			Personal	State	Federal
Ala.	-	-	-	-	-
Alaska	-	-	-	-	-
Ariz.	-	-	-	-	-
Ark.	4	-	4	-	-
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	10	2 (M.S.,M.A.)	10 (d)	(d)	-
Del.	-	-	-	-	-
D.C.	-	-	-	-	-
Fla.	1	1 (M.P.H.)	-	1	-
Ga.	2	-	-	1	1
Hawaii	-	-	-	-	-
Ida.	-	-	-	-	-
Ill.	10	-	6	4	-
Ind.	-	-	-	-	-
Ia.	1	1 (Ph.D.)	-	1	-
Kans.	-	-	-	-	-
Ky.	-	-	-	-	-
La.	1	-	-	1	-
Me.	-	-	-	-	-
Md.	-	-	-	-	-
Mass.	3	-	2	-	1
Mich.	3	3 (Ph.D.)	*	*	*
Minn.	-	-	-	-	-
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	-	-	-	-	-
Nebr.	*	*	*	*	*
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	12	3 (B.A.-2,B.S.)	7	5	-
N.M.	5	-	5	-	-
N.Y.	120	*	-	120	-
N.C.	4	-	3	1	-
N.D.	-	-	-	-	-
Ohio	4	2 (O.D.,M.S.P.H.)	1	3	-
Okla.	*	*	*	*	*
Ore.	-	-	-	-	-
Pa.	3	-	-	2	1
R. I.	2	1 (M.S.)	1	1	-
S.C.	1	1 (D.P.H.)	-	-	1
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	-	-	-	-	-
Utah	4	-	3	-	1
Vt.	-	-	-	-	-
Va.	1	-	-	1	-
Wash.	2	1 (M.S.)	-	2	-
W. Va.	-	-	-	-	-
Wisc.	-	-	-	-	-
Wyo.	-	-	-	-	-
Guam	-	-	-	-	-
P.R.	*	*	*	*	*
V.I.	-	-	-	-	-

TABLE 4-7. COLLEGE OR UNIVERSITY COURSES TAUGHT BY MEMBERS OF LABORATORY STAFF

Ala.	-
Alaska	-
Ariz.	-
Ark.	-
Cal.	*
Colo.	"The Public Health Laboratory," University of Colorado Medical Center.
Conn.	"Laboratory Isolation and Identification of <u>N. gonorrhoeae</u> , Brucella and Pasteurella," University of Connecticut Medical School.
Del.	-
D.C.	-
Fla.	-
Ga.	-
Hawaii	Lectures at the University School of Public Health and the University School of Medicine by Laboratory Director.
Ida.	-
Ill.	-
Ind.	-
Ia.	"Preventive Medicine and Environmental Health," College of Medicine; "Public Health," College of Dentistry; "Preventive Medicine and Environmental Health," College of Engineering; "Preventive Medicine and Environmental Health," Parasitology.
Kans.	-
Ky.	-
La.	"Medical Technology."
Me.	-
Md.	"General Microbiology," "Parasitology" - University of Maryland.
Mass.	Virology Sessions - second year medical students; "Metabolic Disorders"; "Genetics"; "Infectious Diseases"; "Pathogenic Bacteriology"; "Microbiology"; "Environmental Health."
Mich.	-
Minn.	"Public Health Bacteriology."
Miss.	-
Mo.	-
Mont.	"Clinical Microbiology," Montana State University (Allied Health Professions Training Act), 2 days, "Microorganisms on the Loose in Montana during the Last Year," "Diagnostic Virology Review," "The State Public Health Laboratory."
Nebr.	*
Nev.	-
N.H.	-
N.J.	New Jersey College of Medicine (Visiting Professor Epidemiology and Associate Professor of Medicine).
N.M.	"Medical Microbiology," to two-year medical students.
N.Y.	Three courses.
N.C.	"Public Health Laboratory Practice," University of North Carolina School of Public Health, 6 students, 1 semester.
N.D.	"Public Health and Preventive Medicine" to sophomore medical students and to nursing students, "Public Health Laboratory Techniques" to junior and senior medical technologist students, graduate course in "Public Health Techniques" to Bacteriology Ph.D. candidate, pathology resident, 6 weeks.
Ohio	-
Okla.	*
Ore.	"Public Health Bacteriology," 2 students, 8 weeks each.
Pa.	"Diagnostic Virology and Serology," "Toxoplasma gondii and the Serodiagnosis of Toxoplasmosis."
R.I.	-
S.C.	-
S.D.	*
Tenn.	-
Tex.	-
Utah	"Microbiology," University of Utah - 12 students - 12 hrs./wk. for 10 weeks; "Chemistry" (Toxicology), University of Utah - 1 resident pathologist, 13 weeks; "Medical Technology" - medical students - about 50 hours of staff time devoted to 1 or 2 hour lectures on Toxicology, Virology, Environmental and Pathogenic Bacteriology and Serology.
Vt.	-
Va.	-
Wash.	-
W.Va.	-
Wisc.	-
Wyo.	-
Guam	-
P.R.	*
V.I.	-

TABLE 4-8. FORMAL ORAL PRESENTATIONS AT SCHEDULED MEETINGS AND TRAINING FACILITIES

	Total No. of Oral Presentations	Laboratory has Classrooms Set Aside For Training	Sq. Ft. Used For This Purpose
Ala.	4	X	400
Alaska	6	-	-
Ariz.	2	-	-
Ark.	15	X	1,500 (e)
Cal.	*	*	*
Colo.	16	X	1,400
Conn.	20	X	1,000
Del.	-	-	-
D.C.	1	-	-
Fla.	35	*	*
Ga.	10	X	900
Hawaii	4	*	*
Ida.	50	X	1,200
Ill.	55	-	-
Ind.	1	X	540
Ia.	36	-	-
Kans.	15	-	-
Ky.	1	-	-
La.	6	X	835
Me.	7	X	840 (f)
Md.	10	X	462 (g)
Mass.	58	-	-
Mich.	27	X	1,224
Minn.	14	X	1,000
Miss.	6	-	-
Mo.	7	-	-
Mont.	4	-	-
Nebr.	*	*	*
Nev.	4	-	-
N.H.	3	-	-
N.J.	19	X	1,250 (h)
N.M.	7	-	-
N.Y.	47	*	*
N.C.	30	-	- (i)
N.D.	15	-	-
Ohio	17	-	-
Okla.	*	*	*
Ore.	9	-	-
Pa.	26	X	1,900
R.I.	10	-	-
S.C.	2	X	660
S.D.	*	*	*
Tenn.	-	-	-
Tex.	8	X	1,728
Utah	12	-	-
Vt.	4	-	-
Va.	2	*	*
Wash.	7	X	811
W.Va.	6	X	840
Wisc.	10	X	2,200
Wyo.	-	-	-
Guam	-	-	-
P.R.	*	*	*
V.I.	-	-	-

SECTION IV. FOOTNOTES

- (a) Personal consultations are used by the Bureau of Evaluation in lieu of workshops. This is felt to be more productive and helpful to the individual laboratory.
- (b) Figures represent filled positions.
- (c) In addition, three employees studied the CDC correspondence course in Parasitology.
- (d) One half of tuition paid by State for seven persons.
- (e) This is an outfitted training laboratory for 14 students. The 1,500 sq. ft. includes hallway, walk-in refrigerator and incubator. Classrooms for lectures and conferences for up to 100 people are available elsewhere in the Health Department building.
- (f) Classroom, 360; laboratory, 480.
- (g) One large laboratory set aside for training.
- (h) Includes a lecture room and a training laboratory, each accommodating a maximum of 31 students.
- (i) The State Board of Health auditorium, which is in the laboratory building, is sometimes used. Other courses are conducted at the University of North Carolina School of Public Health or in Community College or Technical Institute facilities. Others are taught in motel or hotel facilities if the laboratory facilities are not needed.

SECTION V

FINANCES

TABLE 5-1. LABORATORY EXPENDITURES

	Estimated Population (a)	Laboratory Expenditures (b)	Laboratory Expenditures Per Capita	Health Department Expenditures	Lab Expenditures As % of Health Dept. Expenditures
Ala.	3,531,000	\$ 1,392,000	\$ 0.394	\$ 6,500,000	21.4
Alaska	282,000	331,100	1.174	3,578,500	9.3
Ariz.	1,693,000	432,302	0.255	4,045,249	10.7
Ark.	1,995,000	323,333	0.162	5,673,220	5.7
Cal.	19,443,000	*	*	*	*
Colo.	2,100,000	471,285	0.224	9,331,218	5.1
Conn.	3,000,000	1,841,305	0.614	40,831,849	4.5
Del.	540,000	169,244	0.313	3,096,177	5.5
D.C.	798,000	984,416	1.234	78,580,000 (c)	1.3
Fla.	6,354,000	1,338,867	0.211	40,274,608	3.3
Ga.	4,641,000	1,269,471	0.274	22,881,087	5.5
Hawaii	794,000	336,957	0.424	30,024,897	1.1
Ida.	718,000	305,951	0.426	*	*
Ill.	11,047,000	2,199,759	0.199	20,589,263	10.7
Ind.	5,118,000	599,635 (d)	0.117	7,236,278	8.3
Ia.	2,781,000	1,094,885	0.394	*	*
Kans.	2,321,000	627,644	0.270	4,584,595	13.7
Ky.	3,232,000	605,877	0.187	8,449,603	7.2
La.	3,745,000	1,174,997	0.314	7,886,988	14.9
Me.	978,000	443,682	0.454	3,093,941	14.3
Md.	3,765,000	2,400,965	0.638	108,655,106	2.2
Mass.	5,467,000	1,631,323	0.298	41,688,368	3.9
Mich.	8,766,000	4,375,035	0.499	*	*
Minn.	3,700,000	658,972	0.178	4,381,430	15.0
Miss.	2,360,000	366,374	0.155	4,650,727	7.9
Mo.	4,651,000	425,923	0.092	6,737,192	6.3
Mont.	694,000	150,711	0.217	2,459,779	6.1
Nebr.	1,449,000	*	*	*	*
Nev.	457,000	234,163	0.512	2,765,975	8.5
N.H.	717,000	166,566	0.232	1,900,000	8.8
N.J.	7,148,000	1,773,832	0.248	20,497,429	8.7
N.M.	994,000	323,531	0.325	4,088,157	7.9
N.Y.	18,321,000	7,900,498	0.431	118,594,664	6.7
N.C.	5,205,000	1,168,238	0.224	12,858,049	9.1
N.D.	615,000	204,238	0.332	1,303,388	15.7
Ohio	10,740,000	890,949	0.083	7,827,482	11.4
Okla.	2,568,000	*	*	*	*
Ore.	2,032,000	426,222	0.210	4,251,211	10.0
Pa.	11,803,000	1,143,108	0.097	60,978,797	1.9
R.I.	911,000	558,000	0.613	6,779,000	8.2
S.C.	2,692,000	581,936	0.216	9,780,000	6.0
S.D.	659,000	*	*	*	*
Tenn.	3,985,000	1,172,077	0.294	*	*
Tex.	11,187,000	1,220,955	0.109	*	*
Utah	1,045,000	294,668	0.282	*	*
Vt.	439,000	246,159	0.561	2,240,000	11.0
Va.	4,669,000	551,192	0.118	43,501,434	1.3
Wash.	3,402,000	644,900	0.190	17,518,550	3.7
W.Va.	1,819,000	362,714 (e)	0.199	4,383,635	8.3
Wisc.	4,233,000	1,713,394	0.405	10,725,650	16.0
Wyo.	320,000	87,028	0.272	3,642,969	2.4
Guam	100,000	109,109	1.091	1,695,764	6.4
P.R.	2,754,000	*	*	*	*
V.I.	56,000	80,186	1.432	*	*

*Population
exclusion*

why not?

TABLE 5-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE

	Total Expenditures	Expenditures For Salaries	% of Total Expenditures For Salaries	Expenditures For Supplies	% of Total Expenditures For Supplies
Ala.	\$ 1,392,000	\$ 1,197,000	86.0	\$ 170,000	12.2
Alaska	331,100	184,393	55.7	46,300	14.0
Ariz.	432,302	296,698	68.6	76,765	17.8
Ark.	323,333	233,137	72.1	47,698	14.7
Cal.	*	*	*	*	*
Colo.	471,285	326,934 (f)	69.4	142,221 (g)	30.2
Conn.	1,841,305	1,631,122	88.6	108,705	5.9
Del.	169,244	127,579	75.4	13,538	8.0
D. C.	984,416	729,894	74.1	125,912	12.8
Fla.	1,338,867	1,059,768	79.1	159,998	12.0
Ga.	1,269,471	923,690	72.8	142,145	11.2
Hawaii	336,957	284,767	84.5	34,885	10.3
Ida.	305,951	214,857	70.2	52,452	17.2
Ill.	2,199,759	1,718,424	78.1	144,265	6.6
Ind.	599,635 (d)	597,819	99.7 (d)	-	-
Ia.	1,094,885	761,398	69.6	119,872	10.9
Kans.	627,644	471,292	75.1	44,638	7.1
Ky.	605,877	413,718	68.3	140,888	23.2
La.	1,174,997	930,185	79.2	79,756	6.8
Me.	443,682	238,651	53.8	65,802	14.8
Md.	2,400,965	1,963,470	81.8	193,390	8.1
Mass.	1,631,323	1,242,576	76.2	296,542	18.2
Mich.	4,375,035	*	*	*	*
Minn.	658,972	489,595	74.3	89,045	13.5
Miss.	366,374	265,538	72.5	67,129	18.3
Mo.	425,923	316,139	74.2	67,049	15.8
Mont.	150,711	116,570	77.3	17,500	11.6
Nebr.	*	*	*	*	*
Nev.	234,163	169,664	72.5	44,839	19.1
N. H.	166,566	131,500	78.9	30,000	18.0
N. J.	1,773,832	1,201,415	67.7	229,906	13.0
N. M.	323,531	231,151	71.5	41,394	12.8
N. Y.	7,900,498	4,857,450	61.5	3,043,048 (h)	38.5
N. C.	1,168,238	754,289	64.6	227,003	19.4
N. D.	204,238	158,624	77.7	18,281	8.9
Ohio	890,949	518,595	58.2	69,323	7.8
Okla.	*	*	*	*	*
Ore.	426,222	315,467 (f)	74.0	52,173	12.2
Pa.	1,143,108	761,878	66.7	136,375	11.9
R. I.	558,000	375,000	67.2	83,000	14.9
S. C.	581,936	424,390	72.9	99,604	17.1
S. D.	*	*	*	*	*
Tenn.	1,172,077	935,437	79.8	87,799	7.5
Tex.	1,220,955	997,781	81.7	161,834	13.3
Utah	294,668	225,683	76.6	30,217	10.2
Vt.	246,159	210,553	85.5	22,316	9.1
Va.	551,192	451,045	81.8	60,803	11.0
Wash.	644,900	415,900	64.5	40,000	6.2
W. Va.	362,714	284,565	78.5	49,797 (e)	13.7
Wisc.	1,713,394	1,245,046	72.7	428,348 (i)	25.0
Wyo.	87,028	58,106	66.8	5,493	6.3
Guam	109,109	59,468	54.5	15,894	14.6
P.R.	*	*	*	*	*
V.I.	80,186	63,257	78.9	5,200	6.5

TABLE 5-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

	Expenditures For Equipment	% of Total Expenditures For Equipment	Expenditures For Travel	% of Total Expenditures For Travel
Ala.	\$ 10,000	0.7	\$ 15,000	1.1
Alaska	3,800	1.1	6,600	2.0
Ariz.	15,433	3.6	-	-
Ark.	9,017	2.8	2,794	0.9
Cal.	*	*	*	*
Colo.	(g)	-	2,130	0.4
Conn.	53,101	2.9	2,949	0.1
Del.	563	0.3	-	-
D. C.	39,277	4.0	5,346	0.5
Fla.	7,436	0.6	18,640	1.4
Ga.	655	0.1	3,824	0.3
Hawaii	9,077	2.7	536	0.2
Ida.	13,290	4.3	6,044	2.0
Ill.	28,722	1.3	8,347	0.4
Ind.	-	-	1,816	0.3
Ia.	37,537	3.4	23,300	2.1
Kans.	9,072	1.4	5,591	0.9
Ky.	1,091	0.2	4,103	0.7
La.	11,695	1.0	2,671	0.2
Me.	83,594	18.9	3,924	0.9
Md.	93,173	3.9	5,894	0.2
Mass.	28,150	1.7	4,300	0.3
Mich.	*	*	*	*
Minn.	2,251	0.4	893	0.1
Miss.	7,478	2.0	1,534	0.4
Mo.	33,304	7.8	6,848	1.6
Mont.	1,750	1.2	1,600	1.1
Nebr.	*	*	*	*
Nev.	17,400	7.4	2,260	1.0
N. H.	4,260	2.6	806	0.5
N. J.	105,423	6.0	11,257	0.6
N. M.	11,119	3.4	1,720	0.5
N. Y.	(h)	(h)	(h)	(h)
N. C.	23,695	2.0	6,924	0.6
N. D.	1,152	0.6	2,847	1.4
Ohio	42,161	4.7	2,221	0.3
Okla.	*	*	*	*
Ore.	10,543	2.5	-	-
Pa.	25,700	2.2	4,700	0.4
R. I.	17,000	3.1	3,000	0.5
S. C.	41,785	7.2	7,189	1.2
S. D.	*	*	*	*
Tenn.	2,838	0.2	11,315	1.0
Tex.	9,909	0.8	4,512	0.4
Utah	5,264	1.8	1,638	0.6
Vt.	3,440	1.4	1,500	0.6
Va.	7,587	1.4	804	0.2
Wash.	20,000	3.1	96,000	14.9
W. Va.	25,852 (e)	7.1	2,500	0.7
Wisc.	40,000	2.3	(1)	-
Wyo.	5,943	6.8	1,113	1.3
Guam	4,680	4.3	700	0.6
P. R.	*	*	*	*
V. I.	4,403	5.5	700	0.9

TABLE 5-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

	Expenditures for Personnel Benefits	% of Total Expenditures for Personnel Benefits	Other Expenditures	% of Total For Other Expenditures
Ala.	\$ -	-	\$ -	-
Alaska	25,707	7.8	64,300	19.4
Ariz.	43,396	10.0	-	-
Ark.	26,094	8.1	4,593	1.4
Cal.	*	*	*	*
Colo.	(f)	-	-	-
Conn.	-	-	45,428	2.5
Del.	-	-	27,564	16.3
D.C.	56,650	5.8	27,337	2.8
Fla.	-	-	93,025	6.9
Ga.	173,488	13.6	25,669	2.0
Hawaii	7,692	2.3	-	-
Ida.	19,308	6.3	-	-
Ill.	121,010	5.5	178,991	8.1
Ind.	-	-	-	-
Ia.	86,613	7.9	66,165	6.1
Kans.	47,672	7.6	49,379	7.9
Ky.	45,934	7.6	143	-
La.	93,085	7.9	57,605	4.9
Me.	20,524	4.6	31,187	7.0
Md.	2,227	0.1	142,811	5.9
Mass.	-	-	59,755	3.6
Mich.	*	*	*	*
Minn.	52,904	8.0	24,284	3.7
Miss.	24,695	6.8	-	-
Mo.	-	-	2,583	0.6
Mont.	13,291	8.8	-	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	120,479	6.8	105,352	5.9
N.M.	22,397	6.9	15,750	4.9
N.Y.	-	-	-	-
N.C.	101,150	8.7	55,177	4.7
N.D.	13,958	6.8	9,376	4.6
Ohio	149,935	16.8	108,714	12.2
Okla.	*	*	*	*
Ore.	(f)	-	48,039	11.3
Pa.	102,750	9.0	111,705	9.8
R.I.	37,000	6.6	43,000	7.7
S.C.	-	-	8,968	1.6
S.D.	*	*	*	*
Tenn.	83,878	7.2	50,810	4.3
Tex.	-	-	46,919	3.8
Utah	24,148	8.2	7,718	2.6
Vt.	-	-	8,350	3.4
Va.	-	-	30,953	5.6
Wash.	3,000	0.5	70,000	10.8
W.Va.	-	-	-	-
Wisc.	-	-	-	-
Wyo.	6,010	6.9	10,363	11.9
Guam	5,117	4.7	23,250	21.3
P.R.	*	*	*	*
V.I.	6,626	8.2	-	-

TABLE 5-3. SOURCES OF LABORATORY FUNDS

	Expenditures	State Contribution	Percent Contributed by State	Federal and Other Contributions	Percent Contributed by Federal and Other
Ala.	\$ 1,392,000	\$ 900,000	64.7	\$ 492,000	35.3
Alaska	331,100	274,600	82.9	56,500	17.1
Ariz.	432,302	152,413	35.3	279,889	64.7
Ark.	323,333	144,880	44.8	178,453	55.2
Cal.	*	*	*	*	*
Colo.	471,285	169,046	35.9	302,239	64.1
Conn.	1,841,305	1,534,239	83.3	307,066	16.7
Del.	169,244	98,251	58.1	70,993	41.9
D.C.	984,416	660,695	67.1	323,721	32.9
Fla.	1,338,867	1,007,895	75.3	330,972	24.7
Ga.	1,269,471	*	*	*	*
Hawaii	336,957	270,000	80.1	66,957	19.9
Ida.	305,951	172,777	56.5	133,174	43.5
Ill.	2,199,759	2,126,111	96.7	73,648	3.3
Ind.	599,635	521,686	87.0	77,949	13.0
Ia.	1,094,885	672,261	61.4	422,624	38.6
Kans.	627,644	497,048	79.2	130,596	20.8
Ky.	605,877	523,236	86.4	82,641	13.6
La.	1,174,997	1,040,670	88.6	134,327	11.4
Me.	443,682	177,634	40.0	266,048	60.0
Md.	2,400,965	2,391,965	99.6	9,000	0.4
Mass.	1,631,323	1,295,880	79.4	335,443	20.6
Mich.	4,375,035	4,061,594	92.8	313,441	7.2
Minn.	658,972	481,546	73.1	177,426	26.9
Miss.	366,374	91,338	24.9	275,036	75.1
Mo.	425,923	6,738	1.6	419,185	98.4
Mont.	150,711	73,697	48.9	77,014	51.1
Nebr.	*	*	*	*	*
Nev.	234,163	209,212	89.3	24,951	10.7
N.H.	166,566	98,117	58.9	68,449	41.1
N.J.	1,773,832	1,135,767	64.0	638,065	36.0
N.M.	323,531	323,531	100.0	-	-
N.Y.	7,900,498	6,700,498	84.8	1,200,000	15.2
N.C.	1,168,238	787,067	67.4	381,171	32.6
N.D.	204,238	85,871	42.0	118,367	58.0
Ohio	890,949	184,318	20.7	706,631	79.3
Okla.	*	*	*	*	*
Ore.	426,222	299,915	70.4	126,307	29.6
Pa.	1,143,108	884,374	77.4	258,734	22.6
R.I.	558,000	413,000	74.0	145,000	26.0
S.C.	581,936	262,993	45.2	318,943	54.8
S.D.	*	*	*	*	*
Tenn.	1,172,077	1,132,258	96.6	39,819	3.4
Tex.	1,220,955	514,091	42.1	706,864	57.9
Utah	294,668	150,907	51.2	143,761	48.8
Vt.	246,159	132,926	54.0	113,233	46.0
Va.	551,192	528,979	96.0	22,213	4.0
Wash.	644,900	404,900	62.8	240,000	37.2
W.Va.	362,714	207,707	57.3	155,007	42.7
Wisc.	1,713,394	1,226,457	71.6	486,937	28.4
Wyo.	87,028	24,196	27.8	62,832	72.2
Guam	109,109	34,704	31.8	74,405	68.2
P.R.	*	*	*	*	*
V.I.	80,186	80,186	100.0	-	-

TABLE 5-4. FEDERAL CONTRIBUTIONS TO LABORATORY FUNDS BY PRINCIPAL PURPOSE

	Federal 314d	314e	Cancer	Heart	Chronic Diseases
Ala.	\$ 427,000	\$ -	\$ -	\$ -	\$ -
Alaska	36,000	-	-	-	-
Ariz.	279,889	-	-	-	-
Ark.	114,625	54,449	-	-	-
Cal.	*	*	*	*	*
Colo.	302,239	-	-	-	-
Conn.	173,117	-	-	-	-
Del.	63,333	-	-	-	-
D.C.	-	-	-	-	57,300
Fla.	132,903	34,506	-	-	-
Ga.	*	*	*	*	*
Hawaii	66,957	-	-	-	-
Ida.	104,742	-	-	-	-
Ill.	73,648	-	-	-	-
Ind.	57,800	-	-	-	-
Ia.	-	49,175	-	-	8,800
Kans.	106,645	-	-	-	-
Ky.	40,519	-	-	-	-
La.	134,327	-	-	-	-
Me.	188,669	40,012	-	-	-
Md.	-	-	9,000	-	-
Mass.	152,939	-	-	-	-
Mich.	*	*	*	*	*
Minn.	136,503	6,640	-	-	-
Miss.	253,108	-	-	-	21,928
Mo.	419,185	-	-	-	-
Mont.	77,014	-	-	-	-
Nebr.	*	*	*	*	*
Nev.	16,951	-	-	-	-
N.H.	68,449	-	-	-	-
N.J.	336,806	20,376	-	-	-
N.M.	-	-	-	-	-
N.Y.	-	-	-	-	-
N.C.	-	225,060	-	-	-
N.D.	109,875	-	-	-	-
Ohio	706,631	-	-	-	-
Okla.	*	*	*	*	*
Ore.	96,007	-	-	-	-
Pa.	99,318	-	-	-	-
R.I.	64,000	-	-	-	37,000
S.C.	265,102	-	-	-	-
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	681,675	-	-	-	-
Utah	132,137	-	-	-	-
Vt.	113,233	-	-	-	-
Va.	21,221	-	-	-	-
Wash.	240,000	-	-	-	-
W. Va.	-	-	-	24,700	-
Wisc.	-	-	45,000	-	-
Wyo.	62,832	-	-	-	-
Guam	13,100	-	4,971	10,398	29,836
P.R.	*	*	*	*	*
V.I.	-	-	-	-	-

TABLE 5-4. FEDERAL CONTRIBUTIONS TO LABORATORY FUNDS BY PRINCIPAL PURPOSE
(Continued)

	Water Pollution	Maternal and Child Health	Air Pollution	Other Federal Grants	Non-Federal Non-State Sources
Ala.	\$ -	\$ 65,000	\$ -	\$ -	\$ -
Alaska	-	-	-	13,500	7,000 (j)
Ariz.	-	-	-	-	-
Ark.	-	9,379	-	-	-
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	-	33,804	29,451	70,694	-
Del.	-	3,546	-	4,114 (k)	-
D.C.	-	127,800	-	138,621	-
Fla.	-	24,509	-	139,054	-
Ga.	*	*	*	*	*
Hawaii	-	-	-	-	-
Ida.	-	-	-	28,432 (l)	-
Ill.	-	-	-	-	-
Ind.	18,290	-	-	-	1,859
Ia.	54,240	-	15,380	156,273 (m)	138,756 (n)
Kans.	23,951	-	-	-	-
Ky.	-	39,794	-	2,328 (o)	-
La.	-	-	-	-	-
Me.	-	-	-	-	37,367
Md.	-	-	-	-	-
Mass.	-	182,504	-	-	-
Mich.	*	*	*	*	*
Minn.	-	33,928	-	-	355
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	-	-	-	-	-
Nebr.	*	*	*	*	*
Nev.	-	6,000	-	2,000 (p)	-
N.H.	-	-	-	-	-
N.J.	45,268	66,774	-	138,777 (q)	30,064 (r)
N.M.	-	-	-	-	-
N.Y.	110,242	131,976	57,306	900,476	-
N.C.	-	-	-	-	156,111 (s)
N.D.	-	3,767	358	1,167 (p)	3,200 (t)
Ohio	-	-	-	-	-
Okla.	*	*	*	*	*
Ore.	-	30,262	-	-	38
Pa.	-	108,206	-	21,210	30,000
R.I.	-	44,000	-	-	-
S.C.	-	22,791	-	31,050	-
S.D.	*	*	*	*	*
Tenn.	-	25,000	-	-	14,819 (u)
Tex.	-	-	-	-	25,189
Utah	11,624	-	-	-	-
Vt.	-	-	-	-	-
Va.	-	-	-	-	992
Wash.	-	-	-	-	-
W.Va.	-	16,620	-	113,687	-
Wisc.	38,000	29,100	-	-	374,837 (v)
Wyo.	-	-	-	-	-
Guam	11,100	4,000	-	1,000	-
P.R.	*	*	*	*	*
V.I.	-	-	-	-	-

SECTION V. FOOTNOTES

- (a) Estimated population as of July 1, 1969. Taken from Statistical Abstract of the United States: 1970. U. S. Bureau of the Census. (91st Edition) Washington, D. C., 1970, pages 12 and 794.
- (b) Figures represent the latest complete fiscal year, July 1, 1969 - June 30, 1970, with these exceptions: Florida, Hawaii and Virginia, 7/1/68 - 6/30/69; New York, 4/1/69 - 4/1/70; and Texas, 9/69 - 9/70.
- (c) Includes a total of \$48,000,000 for D. C. General and St. Elizabeth Hospitals.
- (d) Laboratory budget and expenditures include only Salaries and Travel. Other operating expenses are not broken down by Divisions.
- (e) In addition, W. Va. had a total of \$65,000 supportive funds supplied as necessary. Breakdown as follows: Supplies, 45,000; Equipment, 20,000.
- (f) "Personnel Benefits" included with "Salaries."
- (g) "Equipment" included with "Supplies."
- (h) "Equipment" and "Travel" included with "Supplies."
- (i) "Travel" included in "Supplies" total.
- (j) Communities.
- (k) Crippled Children Service.
- (l) Department of Transportation, Highways.
- (m) Radiological, 23,440; all other State and Federal Grants, 132,833.
- (n) Fees.
- (o) Multiphasic Screening Appalachia Project.
- (p) Indian Health.
- (q) Rabies, 26,992; Hepatitis, 111,785.
- (r) Delaware Fund, 9,473; Delaware River Basin, 20,591.
- (s) Receipts.
- (t) TB San. Agreement.
- (u) Expendable Receipts.
- (v) Laboratory Evaluation.

SECTION VI

INTRASTATE EVALUATION OF LABORATORIES

TABLE 6-1. HOSPITAL AND INDEPENDENT CLINICAL LABORATORIES

	Estimated No. of Labs			Estimated Population	Labs per 100,000 Population		
	Hospital	Independent Clinical	Total		Hospital	Independent Clinical	Total
Ala.	139	15	154	3,531,000	3.9	0.4	4.4
Alaska	22	2	24	282,000	7.8	0.7	8.5
Ariz.	70	57	127	1,693,000	4.1	3.4	7.5
Ark.	160	10	170	1,995,000	8.0	0.5	8.5
Cal.	*	*	*	19,443,000	*	*	*
Colo.	93	40	133	2,100,000	4.4	1.9	6.3
Conn.	52	65	117	3,000,000	1.7	2.2	3.9
Del.	5	7	12	540,000	0.9	1.3	2.2
D.C.	14	50	64	798,000	1.8	6.3	8.0
Fla.	205	254	459	6,354,000	3.2	4.0	7.2
Ga.	205	20	225	4,641,000	4.4	0.4	4.8
Hawaii	27	23	50	794,000	3.4	2.9	6.3
Ida.	49	15	64	718,000	6.8	2.1	8.9
Ill.	*	*	*	11,047,000	*	*	*
Ind.	130	100	230	5,118,000	2.5	2.0	4.5
Ia.	160	20	180	2,781,000	5.8	0.7	6.5
Kans.	168	29	197	2,321,000	7.2	1.2	8.5
Ky.	106	100	206	3,232,000	3.3	3.1	6.4
La.	*	*	*	(a) 3,745,000	*	*	*
Me.	63	2	65	978,000	6.4	0.2	6.6
Md.	50	71	121	3,765,000	1.3	1.9	3.2
Mass.	175	95	270	5,467,000	3.2	1.7	4.9
Mich.	280	120	400	8,766,000	3.2	1.4	4.6
Minn.	184	11	195	3,700,000	5.0	0.3	5.3
Miss.	*	*	*	2,360,000	*	*	*
Mo.	167	100	267	4,651,000	3.6	2.2	5.7
Mont.	68	41	109	694,000	9.8	5.9	15.7
Nebr.	*	*	*	1,449,000	*	*	*
Nev.	21	19	40	457,000	4.6	4.2	8.8
N.H.	28	1	29	717,000	3.9	0.1	4.0
N.J.	127	165	292	7,148,000	1.8	2.3	4.1
N.M.	56	6	62	994,000	5.6	0.6	6.2
N.Y.	239	186	425	18,321,000	1.3	1.0	2.3
N.C.	156	69	225	5,205,000	3.0	1.3	4.3
N.D.	*	*	*	615,000	*	*	*
Ohio	250	150	400	10,740,000	2.3	1.4	3.7
Okla.	*	*	*	2,568,000	*	*	*
Ore.	*	*	*	2,032,000	*	*	*
Pa.	400	163	563	11,803,000	3.4	1.4	4.8
R.I.	22	28	50	911,000	2.4	3.1	5.5
S.C.	75	15	90	2,692,000	2.8	0.6	3.3
S.D.	*	*	*	659,000	*	*	*
Tenn.	197	38	235	3,985,000	4.9	1.0	5.9
Tex.	*	*	*	11,187,000	*	*	*
Utah	38	25	63	1,045,000	3.6	2.4	6.0
Vt.	25	2	27	439,000	5.7	0.5	6.2
Va.	112	27	139	4,669,000	2.4	0.6	3.0
Wash.	125	65	190	3,402,000	3.7	1.9	5.6
W.Va.	85	52	137	1,819,000	4.7	2.9	7.5
Wisc.	233	20	253	4,233,000	5.5	0.5	6.0
Wyo.	27	3	30	320,000	8.4	0.9	9.4
Guam	*	*	*	100,000	*	*	*
P.R.	*	*	*	2,754,000	*	*	*
V.I.	3	2	5	56,000	5.3	3.6	8.9

TABLE 6-2. INTRASTATE EVALUATION OF LABORATORIES: SUMMARY

	Type of Program	No. of Labs Participating	Program Covering Personnel:		
			Type	# Directors Covered	# Technologists Covered
Ala.	Approval	68	Licensure	37	31
Alaska	Permit	2	-	-	-
Ariz.	Lic. & Appr. (b)	*	-	-	-
Ark.	Lic. & Appr.	141 (c)	-	-	-
Cal.	*	*	*	*	*
Colo.	Approval	*	-	-	-
Conn.	Licensure	126	-	-	-
Del.	Licensure	12	-	-	-
D.C.	Approval	31	-	-	-
Fla.	Licensure	600 (d)	-	-	-
Ga.	Approval	152	-	-	-
Hawaii	Approval	32	Licensure	32	87
Ida.	Voluntary	*	-	-	-
Ill.	Lic. & Appr.	600	-	-	-
Ind.	Approval	* (e)	-	-	-
Ia.	Approval & Vol.	133	-	-	-
Kans.	Approval	*	-	-	-
Ky.	Approval	211	-	-	-
La.	Voluntary	*	-	-	-
Me.	*	*	*	*	*
Md.	Permit, Reg. & Appr.	141	Certification	21(Water), 24(Milk)	44(Water), 52(Milk)
Mass.	Approval	338	-	-	-
Mich.	Lic. & Appr.	*	-	-	-
Minn.	Approval & Vol.	*	-	-	-
Miss.	Approval	136	-	-	-
Mo.	Approval	277	-	-	-
Mont.	Reg. & Appr.	55	-	-	-
Nebr.	*	*	*	*	*
Nev.	Licensure	25	-	-	-
N.H.	-	-	-	-	-
N.J.	Approval	258	-	-	-
N.M.	Approval	90	-	-	-
N.Y.	Licensure	475	(f)	(f)	-
N.C.	Approval	206	-	-	-
N.D.	-	-	-	-	-
Ohio	Approval	315	-	-	-
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	Permit & Appr.	387	-	-	-
R.I.	Lic. & Appr.	28 (g)	-	-	-
S.C.	Voluntary	*	-	-	-
S.D.	*	*	*	*	*
Tenn.	Approval	*	-	-	-
Tex.	Approval	*	-	-	-
Utah	Approval	33	Licensure	-	70
Vt.	Approval	8	-	-	-
Va.	-	-	-	-	-
Wash.	Reg. & Appr.	289	-	-	-
W.Va.	Approval	*	-	-	-
Wisc.	Approval	293	-	-	-
Wyo.	Approval	38	-	-	-
Guam	-	-	-	-	-
P.R.	*	*	*	*	*
V.I.	-	-	-	-	-

TABLE 6-2. INTRASTATE EVALUATION OF LABORATORIES: SUMMARY
(Continued)

	Procedures Covered:						
	Clinical Chemistry	Hematology	Immuno- hematology	Serology (Syphilis)	Bacteriology	Mycology	Parasitology
Ala.	-	-	-	X	-	-	-
Alaska	-	-	-	X	-	-	-
Ariz.	-	-	-	X	X	X	X
Ark.	X	X	X	X	X	X	X
Cal.	*	*	*	*	*	*	*
Colo.	X	X	X	X	X	-	-
Conn.	X	X	-	X	X	-	X
Del.	-	-	-	X	-	-	-
D.C.	-	-	-	X	-	-	-
Fla.	X	X	X	X	X	-	X
Ga.	-	-	X	X	X	X	X
Hawaii	-	-	-	X	-	-	-
Ida.	-	X	-	X	X	-	-
Ill.	-	-	X	X	X	-	-
Ind.	-	-	-	X	-	-	-
Ia.	X	-	-	X	X	-	X
Kans.	-	-	-	X	-	-	-
Ky.	-	-	-	X	-	-	-
La.	-	-	-	X	-	-	-
Me.	*	*	*	*	*	*	*
Md.	X	-	-	X	X	(h)	X
Mass.	-	-	X	X	X	-	-
Mich.	X	X	X	X	X	-	-
Minn.	X	-	-	X	-	-	-
Miss.	-	-	-	X	-	-	-
Mo.	-	-	-	X	-	-	-
Mont.	-	-	-	X	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	X	X	X	X	X	X	X
N.H.	-	-	-	-	-	-	-
N.J.	X	X	X	-	X	-	-
N.M.	X	-	X	X	X	-	-
N.Y.	X	X	X	X	X	X	X
N.C.	-	-	-	X	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	X	X	X	X	X	X	X
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	X	X	-	X	X	X	X
R.I.	X	X	X	X	X	X	X
S.C.	-	-	-	X	X	X	X
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	X	-	-	-
Tex.	-	-	-	X	X	X	X
Utah	-	-	-	X	-	-	-
Vt.	-	-	-	X	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	X	-	-	-
W.Va.	-	-	-	X	-	-	-
Wisc.	X	X	X	X	X	-	-
Wyo.	-	-	-	X	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 6-2. INTRASTATE EVALUATION OF LABORATORIES: SUMMARY
(Continued)

	Procedures Covered:						
	Serology (Non VD)	Virology	PKU	Water	Milk	Urinalysis	Other
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	X	-	-	X	X	-	Mycobacteriology
Cal.	*	*	*	*	*	*	Mycobacteriology
Colo.	-	-	X	X	X	-	-
Conn.	X	-	-	X	X	-	-
Del.	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-
Fla.	X	X	-	X	X	-	-
Ga.	-	X	X	-	X	-	-
Hawaii	-	-	-	-	-	-	-
Ida.	-	-	X	X	X	-	-
Ill.	-	-	X	-	-	-	-
Ind.	-	-	-	X	X	-	-
Ia.	X	-	X	X	-	-	-
Kans.	-	-	-	X	X	-	-
Ky.	-	-	-	X	X	-	-
La.	-	-	-	-	X	-	-
Me.	*	*	*	*	*	*	*
Md.	-	-	-	X	X	-	-
Mass.	X	-	-	X	X	-	-
Mich.	-	X	X	-	-	X	-
Minn.	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	X	X	X	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	X	-	-	-	-	X	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	X	X	X	-	-
N.M.	X	-	-	-	X	-	-
N.Y.	X	-	-	-	-	-	Exfoliative Cytology, Tuberculosis
N.C.	-	-	-	X	X	-	-
N.D.	-	-	-	-	-	-	-
Ohio	X	-	X	-	X	-	-
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	X	-	X	-	-	X	-
R.I.	X	-	-	X	X	X	-
S.C.	-	-	-	-	X	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	X	-	-
Tex.	-	-	-	X	X	-	-
Utah	-	-	X	X	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	X	X	-	-
W.Va.	-	-	-	X	X	-	-
Wisc.	X	-	X	X	X	-	Cytology, Alcohol
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 6-3. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: CLINICAL CHEMISTRY AND HEMATOLOGY

	Clinical Chemistry				Hematology			
	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	88	*	16	3	78	*	4	3
Cal.	*	*	*	*	*	*	*	*
Colo.	65	*	*	*	65	*	*	*
Conn.	114	114	1-5	3-4	114	114	1-5	2-3
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	475	*	*	*	475	*	*	*
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	59	*	2	5
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	67	-	4	3	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	129	116 (i)	2	2-3 (j)	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	98	76	1	2	99	56	1	8
Minn.	167	8 (k)	10	2	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	25	*	4	2	25	*	4	2
N.H.	-	-	-	-	-	-	-	-
N.J.	238	216	4	3-5	254	231	4-5	3-6
N.M.	6	6	1	2	-	-	-	-
N.Y.	403	387	6	6	404	402	3	8
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	271	260	2	2	243	165	2	5
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	87	74	1	3	172	166	2	2
R.I.	18	18	4	2	21	21	4	2
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	247	200	6	20	204	173	4	7
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-4. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: IMMUNOHEMATOLOGY AND SEROLOGY (VD)

No. of labs Participating	Immunohematology			SeroLOGY (VD)			
	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.
Ala.	-	-	-	68	68	6	20
Alaska	-	-	-	2	2	3	10
Ariz.	-	-	-	133	112	10	10
Ark.	76	*	2	141	126	10	10
Cal.	*	*	*	*	*	*	*
Colo.	65	*	*	88	85	5	20
Conn.	-	-	-	90 (1)	90	2	10
Del.	-	-	-	12	12	*	*
D.C.	-	-	-	32	32	9	11
Fla.	425	*	*	365	350	4	10
Ga.	6	*	*	152	152	10	20
Hawaii	-	-	-	32	32	(m)	10
Ida.	-	-	-	55	55	2	25
Ill.	525	515	2	510	501	2-4	5-10
Ind.	-	-	-	153	153	12	8
Ia.	-	-	-	80	80	5	20
Kans.	-	-	-	124	124	6	10
Ky.	-	-	-	211	211	4	15
La.	-	-	-	7	(n)	10	20
Me.	*	*	*	*	*	*	*
Md.	-	-	-	101	100	2	10
Mass.	227	217	2	211	188	6	10
Mich.	82	82	1	333	298	6	10
Minn.	-	-	-	52	-	12	12
Miss.	-	-	-	136	136	5	10
Mo.	-	-	-	229	220	10	10
Mont.	-	-	-	55	53	4	10
Nebr.	*	*	*	*	*	*	*
Nev.	25	*	4	18	*	6	10
N.H.	-	-	-	-	-	-	-
N.J.	108	108	4	-	-	-	-
N.M.	8	6	1	8	6	*	*
N.Y.	372	368	1-3	277	262	1-3	10
N.C.	-	-	-	206	*	10	10
N.D.	-	-	-	-	-	-	-
Ohio	248	230	2	315	315	5	10
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	335	322	4	5
R.I.	17	17	4	39	39	3	20
S.C.	-	-	-	44	*	5	20
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	171	171	10	10
Tex.	-	-	-	1,441	1,372	4	5
Utah	-	-	-	29	29	6	10
Vt.	-	-	-	8	8	10	10
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	109 (o)	109	6	10
W.Va.	-	-	-	130	130	4	5
Wisc.	172	159	4	149	132	10	10
Wyo.	-	-	-	38	38	6	10
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 6-5. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: BACTERIOLOGY AND MYCOLOGY

	Bacteriology				Mycology			
	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	78	(p)	4	3	35	*	4	3
Ark.	60	*	3	3	41	*	1	2
Cal.	*	*	*	*	*	*	*	*
Colo.	53	*	*	*	-	-	-	-
Conn.	88	88	7	1	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	375	*	*	*	-	-	-	-
Ga.	34	*	*	*	16	*	*	*
Hawaii	-	-	-	-	-	-	-	-
Ida.	32	*	1	5	-	-	-	-
Ill.	400 (q)	*	2	5-10	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	37	-	3	3-5	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	78	78	9	3 (r)	-	-	-	-
Mass.	202	191	5	5	-	-	-	-
Mich.	85	66	1	7	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	24	*	4	2	24	*	4	2
N.H.	-	-	-	-	-	-	-	-
N. J.	258	237	4	4-5	-	-	-	-
N.M.	8	6	1	2	-	-	-	-
N. Y.	342	304	2-3	5-6	112	96	2	10
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	200	162	2	5	175	(s)	1	5
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	127	114	1	6	32	29	1	5
R.I.	15	15	4	1	15	15	*	*
S.C.	46	*	4	4	30	*	4	4
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	78	*	6	2	37	*	4	5
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	173 (t)	136	3	6	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-6. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: PARASITOLOGY AND SEROLOGY (NON-VD)

No. of labs Participating	Parasitology			Serology (Non-VD)			
	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	75	*	4	3	-	-	-
Ark.	67	*	3	2	61	*	2
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	50	50	1	1	52	52	1
Del.	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-
Fla.	375	*	*	*	250	*	*
Ga.	37	*	*	*	-	-	-
Hawaii	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	38	-	2	6	15	3	3-4
Kans.	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*
Md.	78	78	5	1	-	-	-
Mass.	-	-	-	-	194	185	2
Mich.	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	24	*	4	2	24	*	4
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	-	-	-	-	8	6	1
N.Y.	241	213	1-2	16	376	373	1-3
N.C.	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	197	133	1	5	210	190	1
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	61	43	1	5	48	41	1
R.I.	15	15	4	1	19	19	4
S.C.	49	*	4	5	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	126	*	5	5	-	-	-
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-
Wisc.	-	-	-	-	164	155	7
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 6-7. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: VIROLOGY AND PKU

	Virology				PKU			
	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	10	*	*	*
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	26	23	2	5	-	-	-	-
Ga.	7	*	*	*	5	*	*	*
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	2	2	1	*
Ill.	-	-	-	-	80 (u)	78	2-4	4
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	28	-	4	6-12
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	15	4	1	4	29	29	2	10
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	11	11	10	10
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	5	5	2	20
N.M.	-	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	5	5	1	3
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	-	-	-	-	69	28	1	8
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	11	11	12	6
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	79	79	6	6
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-8. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: WATER AND MILK

	Water				Milk			
	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	7	7	-	-	5	5	2	12
Cal.	*	*	*	*	*	*	*	*
Colo.	8	*	-	-	13	13	2	20
Conn.	3 (v)	3	1	4	12	12	2	12
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	68	61	-	-	34	34	2	10
Ga.	-	-	-	-	8	*	*	*
Hawaii	-	-	-	-	-	-	-	-
Ida.	11	*	1	2	8	8	2	13
Ill.	-	-	-	-	-	-	-	-
Ind.	48	48	-	-	20	20	2	12
Ia.	11	11	(w)	4	-	-	-	-
Kans.	4	4	-	-	14	14	4	10-12
Ky.	23	23	-	-	14	14	2	16
La.	-	-	-	-	8	8	2	10
Me.	*	*	*	*	*	*	*	*
Md.	23	21	2	5	27	24	2	12
Mass.	64	63	-	-	53	52	-	-
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	24	24	-	-	13	13	2	14
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	6 (w)	6	-	-	20	20	2	16
N.M.	-	-	-	-	2	2	2	16
N.Y.	-	-	-	-	-	-	-	-
N.C.	14	*	-	-	35	*	2	10
N.D.	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	32	32	2	22
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-	-
R.I.	4	4	1	3	2	2	2	10
S.C.	-	-	-	-	9	*	2	20
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	22	22	2	20
Tex.	42	41	(w)	-	24	24	2	16
Utah	2	2	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	20	20	-	-	13	13	4	3
W.Va.	13	13	-	-	8	8	2	12
Wisc.	113 (x)	113	2	17	(x)	-	-	-
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-9. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: URINALYSIS AND OTHER

	Urinalysis				Other			
	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.	No. of labs Participating	No. of labs in Conformance	No. of evaluation shpts./lab	No. of specimens per shpt.
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	23	*	4	3
Ark.	-	-	-	-	97	*	1	3
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	-	-	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	98	*	*	*	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	24	*	4	4-6	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	-	-	-	-	210 (y)	210	1	5
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	139	*	1	2	-	-	-	-
R.I.	18	18	4	1	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	17 (z)	17	4	16
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-10. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: CLINICAL CHEMISTRY

	Total Number Participating:				Participation Voluntary or Required:			
	Indep. Clinical	Hospital	Public Health	Comm., Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	29	36	-	-	Vol.	Vol.	-	-
Conn.	62	52	-	-	Req.	Req.	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	*	*	*	*	*	*	*	*
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	6	56	-	5	Vol.	Vol.	-	Vol.
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	58	50	21	-	Req.	Req.	Req.	-
Mass.	-	-	-	-	-	-	-	-
Mich.	40	50	7	1	39R, 1V	Req.	Req.	Req.
Minn.	8	159	-	-	Req.	Vol.	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	12	13	-	-	10R, 2V	7R, 6V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	126	108	4	-	*	*	*	-
N.M.	6	-	-	-	Vol.	-	-	-
N.Y.	185	207	8	3	*	*	*	*
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	115	130	10	*	Req.	Vol.	Vol.	*
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	82	5	-	-	Req.	Vol.	-	-
R.I.	18	-	-	-	Req.	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	74	171	1	1	Req.	Req.	Vol.	Vol.
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-11. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: HEMATOLOGY

	Total Number Participating:				Participation Voluntary or Required:			
	Indep. Clinical	Hospital	Public Health	Comm. Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	29	36	-	-	Vol.	Vol.	-	-
Conn.	62	52	-	-	Req.	Req.	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	*	*	*	*	*	*	*	*
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	*	*	*	*	*	*	*	*
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	41	51	6	1	Req.	Req.	Req.	Req.
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	12	13	-	-	10R, 2V	7R, 6V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	145	108	1	-	*	*	*	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	174	203	23	4	*	*	*	*
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	110	127	6	-	Req.	Vol.	Vol.	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	146	19	-	7	Req.	Vol.	-	Vol.
R.I.	21	-	-	-	Req.	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	45	157	-	2	Req.	Req.	-	Vol.
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-12. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: IMMUNOHEMATOLOGY

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	<u>Indep.</u> Clinical	<u>Hospital</u>	<u>Public</u> Health	<u>Comm.,</u> Other	<u>Indep.</u> Clinical	<u>Hospital</u>	<u>Public</u> Health	<u>Comm.,</u> Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	29	36	-	-	Vol.	Vol.	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	*	*	*	*	*	*	*	*
Ga.	-	2	4	-	-	Vol.	Vol.	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	*	*	*	*	*	*	*	*
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	74	147	2	4	*	*	*	*
Mich.	32	45	5	-	Req.	Req.	Req.	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	12	13	-	-	10R, 2V	7R, 6V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	1	107	-	-	*	*	-	-
N.M.	6	-	2	-	Vol.	-	Req.	-
N.Y.	122	239	8	3	*	*	*	*
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	115	130	3	-	Req.	Vol.	Vol.	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-	-
R.I.	17	-	-	-	Req.	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	16	154	-	2	Req.	Req.	-	Vol.
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-13. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: SEROLOGY (VD)

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	Indep. Clinical	Hospital	Public Health	Comm., Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	19	39	9	1	Req.	Req.	Req.	Vol.
Alaska	2	-	-	-	*	-	-	-
Ariz.	44	47	5	37	Req.	Req.	Req.	Vol.
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	36	48	4	-	Req.	Req.	Req.	-
Conn.	45	39	-	6	Req.	Req.	-	Req.
Del.	7	5	-	-	Req.	Req.	-	-
D.C.	-	6	1	25	-	*	*	*
Fla.	201	154	10	-	Req.	Req.	Req.	-
Ga.	48	89	12	3	Req.	Req.	Req.	Req.
Hawaii	16	9	6	1	Req.	Req.	Req.	Req.
Ida.	14	35	6	-	Req.	Req.	Req.	-
Ill.	*	*	*	*	*	*	*	*
Ind.	47	101	3	2	42R, 5V	93R, 8V	Vol.	Vol.
Ia.	9	63	1	7	Req.	Req.	Req.	Req.
Kans.	28	95	1	-	*	*	*	-
Ky.	100	106	5	-	*	*	*	-
La.	-	-	7	-	-	-	Vol.	-
Me.	*	*	*	*	*	*	*	*
Md.	45	47	9	-	Req.	Req.	Req.	-
Mass.	66	138	4	3	*	*	*	*
Mich.	118	199	13	3	Req.	Req.	Req.	Req.
Minn.	3	48	1	-	Vol.	Vol.	Vol.	-
Miss.	*	*	1	-	Vol.	Vol.	Vol.	-
Mo.	87	138	4	-	Vol.	Vol.	Vol.	-
Mont.	20	34	1	-	Req.	Req.	Req.	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	6	12	-	-	4R, 2V	7R, 5V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	6	-	2	-	Vol.	-	Req.	-
N.Y.	102	158	14	3	*	*	*	*
N.C.	68	123	15	-	*	*	*	*
N.D.	-	-	-	-	-	-	-	-
Ohio	115	185	15	-	Req.	Req.	Vol.	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	98	228	3	6	Req.	224R, 4V	Req.	Req.
R.I.	20	19	-	-	Req.	Req.	-	-
S.C.	4	38	2	-	Vol.	Vol.	Vol.	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	25	140	6	-	Vol.	Vol.	Vol.	-
Tex.	*	*	*	*	*	*	*	*
Utah	6	21	1	1	Vol.	Vol.	Vol.	Vol.
Vt.	*	*	*	*	*	*	*	*
Va.	-	-	-	-	-	-	-	-
Wash.	32	68	9	-	Req.	Req.	Req.	-
W. Va.	-	75	3	52	-	Req.	Req.	Req.
Wisc.	20	126	1	2	Req.	Req.	Req.	Req.
Wyo.	14	24	-	-	Vol.	Vol.	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-14. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: BACTERIOLOGY

	Total Number Participating:				Participation Voluntary or Required:			
	Indep. Clinical	Hospital	Public Health	Comm., Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	34	34	5	5	Req.	Req.	Req.	Vol.
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	22	31	-	-	Vol.	Vol.	-	-
Conn.	32	50	-	6	Req.	Req.	-	Req.
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	*	*	*	*	*	*	*	*
Ga.	13	16	5	-	Vol.	Vol.	Vol.	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	*	*	*	*	*	*	*	*
Ill.	*	*	*	*	*	*	*	*
Ind.	-	-	-	-	-	-	-	-
Ia.	2	31	1	3	Vol.	Vol.	Vol.	Vol.
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	29	39	10	-	Req.	Req.	Req.	-
Mass.	56	134	6	6	*	*	*	*
Mich.	35	41	9	-	Req.	Req.	Req.	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	11	13	-	-	9R, 2V	7R, 6V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	146	108	4	-	*	*	*	-
N.M.	6	-	2	-	Vol.	-	Req.	-
N.Y.	131	185	23	3	*	*	*	*
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	75	120	5	-	Req.	Vol.	Vol.	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	105	21	1	-	Req.	Vol.	Vol.	-
R.I.	15	-	-	-	Req.	-	-	-
S.C.	5	40	1	-	Vol.	Vol.	Vol.	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	*	*	*	*	*	*	*	*
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	16	153	3	1	Req.	Req.	Vol.	Vol.
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-15. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: MYCOLOGY

	Total Number Participating:				Participation Voluntary or Required:			
	Indep. Clinical	Hospital	Public Health	Comm., Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	14	14	3	4	Req.	Req.	Req.	Vol.
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	-	-	-	-	-	-	-	-
Ga.	10	1	5	-	Vol.	Vol.	Vol.	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	11	13	-	-	9R, 2V	7R, 6V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	19	78	15	-	*	*	*	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	55	117	3	-	50R, 5V	Vol.	Vol.	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	23	8	1	-	Req.	Vol.	Vol.	-
R.I.	15	-	-	-	Req.	-	-	-
S.C.	2	27	1	-	Vol.	Vol.	Vol.	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	*	*	*	*	*	*	*	*
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-16. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: PARASITOLOGY

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	<u>Indep.</u> Clinical	<u>Hospital</u>	<u>Public</u> Health	<u>Comm.,</u> Other	<u>Indep.</u> Clinical	<u>Hospital</u>	<u>Public</u> Health	<u>Comm.,</u> Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	31	33	4	7	Req.	Req.	Req.	Vol.
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	44	-	-	6	Req.	-	-	Req.
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	*	*	*	*	*	*	*	*
Ga.	14	16	7	-	Vol.	Vol.	Vol.	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	2	31	1	4	Vol.	Vol.	Vol.	Vol.
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	26	39	13	-	Req.	Req.	Req.	-
Mass.	-	-	-	-	-	-	-	-
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	11	13	-	-	9R, 2V	7R, 6V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	76	142	23	-	*	*	*	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	95	100	2	-	80R, 15V	Vol.	Vol.	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	53	7	1	-	Req.	Vol.	Vol.	-
R.I.	15	-	-	-	Req.	-	-	-
S.C.	4	44	1	-	Vol.	Vol.	Vol.	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	*	*	*	*	*	*	*	*
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-17. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: SEROLOGY (NON-VD)

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	Indep. Clinical	Hospital	Public Health	Comm., Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	46	-	-	6	Req.	-	-	Req.
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	*	*	*	*	*	*	*	*
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	1	12	-	2	Vol.	Vol.	-	Vol.
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	11	13	-	-	9R, 2V	7R, 6V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	6	-	2	-	Vol.	-	Req.	-
N.Y.	157	198	19	2	*	*	*	*
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	95	110	5	-	Req.	Vol.	Vol.	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	12	35	1	-	Req.	Vol.	Vol.	-
R. I.	19	-	-	-	Req.	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	18	143	1	2	Req.	Req.	Vol.	Vol.
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-18. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: VIROLOGY

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	Indep. Clinical	Hospital	Public Health	Comm., Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	17	3	6	-	Req.	Req.	Req.	-
Ga.	3	3	1	-	Vol.	Vol.	Vol.	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	6	9	-	-	Req.	Req.	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-19. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: PKU

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	<u>Indep. Clinical</u>	<u>Hospital</u>	<u>Public Health</u>	<u>Comm., Other</u>	<u>Indep. Clinical</u>	<u>Hospital</u>	<u>Public Health</u>	<u>Comm., Other</u>
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*	*
Colo.	-	10	-	-	-	Req.	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	-	-	-	-	-	-	-	-
Ga.	-	1	4	-	-	Vol.	Vol.	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	2	-	-	-	Req.	-	-
Ill.	*	*	*	*	*	*	*	*
Ind.	-	-	-	-	-	-	-	-
Ia.	5	23	-	-	Vol.	Vol.	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	-	29	-	-	-	Req.	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	11	-	-	-	Vol.	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	5	-	-	-	Req.	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	-	5	-	-	-	Req.	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	-	69	-	-	-	Vol.	-	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	1	10	-	-	Vol.	Vol.	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	3	76	-	-	Req.	Req.	-	-
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-20. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: WATER

	Total Number Participating:				Participation Voluntary or Required:			
	Indep. Clinical	Hospital	Public Health	Comm., Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	8	-	-	-	Req.	-
Conn.	*	*	*	*	*	*	*	*
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	-	-	23	45	-	-	Req.	Req.
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	4	7	-	-	Vol.	Vol.
Ill.	-	-	-	-	-	-	-	-
Ind.	3	2	34 (aa)	9	Vol.	Vol.	Vol.	Vol.
Ia.	-	-	10	1	-	-	Req.	Req.
Kans.	-	-	4	-	-	-	*	-
Ky.	-	-	9	14	-	-	*	*
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	9	14	-	-	Req.	Req.
Mass.	29	1	19	15	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	1	-	-	23	Vol.	-	-	Vol.
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	1	5	-	-	Vol.	Req.
N.M.	-	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	2	12	-	-	*	*
N.D.	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-	-
R.I.	4	-	-	-	Req.	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	*	*	*	*	*	*	*	*
Utah	*	*	*	*	*	*	*	*
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	17	3	-	-	Req.	Req.
W. Va.	*	*	*	*	*	*	*	*
Wisc.	-	1	25	87	-	Req.	Req.	Req.
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-21. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: MILK

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	Indep. Clinical	Hospital	Public Health	Comm., Other	Indep. Clinical	Hospital	Public Health	Comm., Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	8	5	-	-	Req.	Req.
Conn.	-	-	-	12	-	-	-	Req.
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	-	-	9	25	-	-	Req.	Vol.
Ga.	-	-	8	-	-	-	Req.	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	6	2	-	-	Req.	Req.
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	2	18	-	-	Req.	Req.
Ia.	-	-	-	-	-	-	-	-
Kans.	-	-	4	10	-	-	*	*
Ky.	-	-	7	7	-	-	*	*
La.	-	-	8	-	-	-	Req.	-
Me.	*	*	*	*	*	*	*	*
Md.	4	-	10	13	Req.	-	Req.	Req.
Mass.	30	1	18	4	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	13	-	-	-	Vol.	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	4	16	-	-	Req.	Req.
N.M.	-	-	2	-	-	-	Req.	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	22	13	-	-	*	*
N.D.	-	-	-	-	-	-	-	-
Ohio	2	1	18	11	Vol.	Vol.	Vol.	Vol.
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-	-
R.I.	2	-	-	-	Req.	-	-	-
S.C.	-	-	2	7	-	-	Vol.	Vol.
S.D.	*	*	*	*	*	*	*	*
Tenn.	*	*	*	*	*	*	*	*
Tex.	*	*	*	*	*	*	*	*
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	13	-	-	-	Req.	-
W. Va.	*	*	*	*	*	*	*	*
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-22. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: URINALYSIS

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	<u>Indep.</u> <u>Clinical</u>	<u>Hospital</u>	<u>Public</u> <u>Health</u>	<u>Comm.,</u> <u>Other</u>	<u>Indep.</u> <u>Clinical</u>	<u>Hospital</u>	<u>Public</u> <u>Health</u>	<u>Comm.,</u> <u>Other</u>
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	-	-	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	40	50	7	1	Req.	Req.	Req.	Req.
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	11	13	-	-	9R, 2V	7R, 6V	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	132	7	-	-	Req.	Vol.	-	-
R.I.	18	-	-	-	Req.	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-23. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM BY TYPE OF LABORATORY: OTHER

	<u>Total Number Participating:</u>				<u>Participation Voluntary or Required:</u>			
	<u>Indep.</u> Clinical	<u>Hospital</u>	<u>Public</u> Health	<u>Comm.,</u> Other	<u>Indep.</u> Clinical	<u>Hospital</u>	<u>Public</u> Health	<u>Comm.,</u> Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	8	11	3	1	Req.	Req.	Req.	Vol.
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-	-
Fla.	-	-	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	*	*	*	*	*	*	*	*
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nabr.	*	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	6 (bb)	91 (bb)	26 (bb)	-	*	*	*	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	*	*	*	*	*	*	*	*
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 6-24. UNITS OF THE STATE HEALTH DEPARTMENT, OTHER THAN THE LABORATORY, WITH RESPONSIBILITIES FOR THE LABORATORY IMPROVEMENT PROGRAM

<u>Other Organizational Units Involved in LIP</u>		<u>Units Involved in Program and Responsibilities:</u>
Ala.	-	-
Alaska	X	Medicare.
Ariz.	-	-
Ark.	X	Division of Hospitals and Nursing Homes, Arkansas State Department of Health, has Social Security Administration responsibility for Medicare certification of hospitals, including the laboratories, and Medicare certification of independent laboratories.
Cal.	*	*
Colo.	-	-
Conn.	-	-
Del.	-	-
D.C.	-	-
Fla.	*	*
Ga.	-	-
Hawaii	*	*
Ida.	X	Adult Health Division - Medicare Laboratories. The Idaho Laboratory Improvement Program is administered by the Idaho Laboratory Proficiency Committee, which was originated in June 1969. The following organizations have appointed official representatives in this Committee: Medical Society, Pathologists Society, Health Department, etc. The Committee expenses are funded by the Idaho Office of R.M.P.
Ill.	-	-
Ind.	-	-
Ia.	-	-
Kans.	X	Medicare Section, Department of Health, has final responsibility for recommending certification of independent laboratories and hospitals. Hospital Section, Department of Health, has final responsibility for licensure of hospitals which includes the laboratories.
Ky.	-	-
La.	-	-
Me.	-	-
Md.	-	-
Mass.	-	-
Mich.	-	-
Minn.	-	-
Miss.	-	-
Mo.	-	-
Mont.	-	-
Nebr.	*	*
Nev.	X	Nevada State Board of Health - all functions must be approved by the Board; Laboratory Advisory Committee is advisory to the State Board of Health on matters concerning clinical laboratories.
N.H.	-	-
N.J.	-	-
N.M.	-	-
N.Y.	*	*
N.C.	X	Not in the Laboratory Improvement Program as represented; however, the Medicare Section of the Personal Health Division, State Board of Health, has the responsibility of approving laboratories licensed under Medicare and the Lab's evaluators visit and evaluate the facilities of the independent laboratories licensed under Medicare. The Medicare Section accepts proficiency testing programs such as the CAP for these laboratories.
N.D.	-	-
Ohio	-	-
Okla.	*	*

TABLE 6-24. UNITS OF THE STATE HEALTH DEPARTMENT, OTHER THAN THE LABORATORY, WITH RESPONSIBILITIES FOR THE LABORATORY IMPROVEMENT PROGRAM
(Continued)

<u>Other Organizational Units Involved in LIP</u>	<u>Units Involved in Program and Responsibilities:</u>
Ore.	-
Pa.	-
R.I.	-
S.C.	-
S.D.	*
Tenn.	-
Tex.	-
Utah	X
Vt.	X
Va.	*
Wash.	-
W.Va.	-
Wisc.	X
	Medical Care Services - approval for medical care payments. Medicare Division.
	Both the Wisconsin Division of Health, Section of Laboratory Evaluation and the State Laboratory of Hygiene cooperate in offering evaluation and training programs. The Section of Laboratory Evaluation has the responsibility for evaluation programs and field consultation and surveying. The State Laboratory of Hygiene staff act as expert consultants to the Division of Health personnel. The State Laboratory of Hygiene operates the workshop programs, offers bench training at the State Laboratory and has training aids such as slides, films, etc. for loan to individual laboratories. The Section of Laboratory Evaluation cooperates in this phase of training.
Wyo.	-
Guam	-
P.R.	*
V.I.	-

TABLES 6-1 - 6-24. FOOTNOTES

- (a) Handled by the Louisiana State Department of Hospitals.
- (b) Premarital approval for laboratories exempt from provisions of law, e.g. physician's office laboratory.
- (c) 126 laboratories are licensed for premarital Syphilis Serology.
- (d) All registered clinical laboratories are required to participate in State-approved programs (CAP or AAB) supplemented by State-operated programs.
- (e) Includes Serology, 153; Water, 48; Milk, 20.
- (f) All directors of laboratories holding permits must have a Certificate of Qualification.
- (g) This represents independent clinical laboratories required to participate in the various disciplines. In addition, 19 hospital laboratories are required to participate in Serology evaluation.
- (h) Included in Bacteriology.
- (i) The 13 laboratories which still need work are not considered "Not in Conformance." Seven of the laboratories are working to improve only one constituent. Four laboratories need work on two constituents, and two on three constituents.
- (j) Multiple.
- (k) Refers to independent laboratories classified under Medicare provisions, and in conformance insofar as intrastate proficiency testing is concerned.
- (l) 230 certified Serologists.
- (m) One set for each technologist.
- (n) Voluntary participation.
- (o) Required for prenatal testing. In addition, 12 laboratories participate voluntarily.
- (p) Criteria for satisfactory performance was not established for July 1969 - June 1970 with exception of Syphilis Serology Premarital Evaluation.
- (q) Represents Tuberculosis smear. In addition, Illinois reported 180 laboratories participating in Tuberculosis culture with 2-3 shipments of 3-9 specimens each.
- (r) 13 organisms.
- (s) Not graded.
- (t) Represents General Bacteriology. 154 laboratories participate in Enteric with 125 laboratories in conformance, 6 shipments per laboratory, 1 specimen per shipment.
- (u) Represents Guthrie exam. In addition, 35 laboratories performed PKU Quantitative exams, with 32 in conformance. They received two-four shipments of four specimens.
- (v) Split sampling conducted on individual basis as problems arise.
- (w) On-site survey only.
- (x) Milk and Water included together.
- (y) Represents Exfoliative Cytology. In addition, New York had 123 laboratories participating in Tuberculosis with 91 in conformance, 1 evaluation shipment, 4 specimens per shipment.
- (z) Represents Cytology. In addition, Wisconsin had 13 laboratories participating in Alcohol with 13 in conformance, 12 shipments per laboratory, 2 specimens per shipment.
- (aa) 27 laboratories of city water works included as public health laboratories.
- (bb) Represents Tuberculosis - No report on Exfoliative Cytology.

SECTION VII

PRODUCTION OF BIOLOGICS AND REAGENTS

TABLE 7-1. STATES PRODUCING BIOLOGICS AND REAGENTS

	Biologics	Antisera	Antigens	Solutions
"X"--Indicates Production				
Ala.	X	-	-	-
Alaska	-	-	-	-
Ariz.	-	-	-	X
Ark.	-	-	-	-
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	-	X	X	X
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	-	-	-	*
Ga.	-	X	X	X
Hawaii	-	-	X	-
Ida.	-	-	-	-
Ill.	X	X	-	-
Ind.	-	-	X	X
Ia.	-	X	X	-
Kans.	X	-	-	-
Ky.	-	-	-	-
La.	-	-	X	X
Me.	-	-	-	-
Md.	-	-	-	-
Mass.	X	-	-	-
Mich.	X	-	-	-
Minn.	X	X	-	-
Miss.	X	-	-	-
Mo.	-	-	X	-
Mont.	-	-	-	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	X	X	X
N.M.	-	-	-	-
N.Y.	-	-	-	-
N.C.	-	-	-	X
N.D.	-	-	-	X
Ohio	-	-	-	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	X	X	-
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	*	*	*	*
Tenn.	X	-	X	X
Tex.	X	X	X	X
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	-	-	X	X
Wash.	-	-	-	-
W. Va.	-	-	-	-
Wisc.	-	X	X	-
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	-	-	-	-

TABLE 7-2. PRODUCTION OF BIOLOGICS FOR HUMAN USE

(Amounts Produced in mls)

Ala.	Typhoid Vaccine, 2,740 Smallpox Vaccine, 61,040 points Diphtheria Toxoid, 560 Diphtheria-Tetanus Toxoid, 24,175 Diphtheria-Tetanus-Pertussis, 100,519 Tetanus Toxoid, 34,265 Silver Nitrate, 11,200 ampules Measles, 42,680 Sabin Poly Polio Vaccine, 215,610 Tuberculin P.P.D., 19,350 Cholera Vaccine, 420 Immune Globulin, 3,670	Minn.	Old Tuberculin, 138,000
		Miss.	Silver Nitrate, 12,410 ampules
		Tenn.	Typhoid Vaccine, 72,000 Tetanus Toxoid, 51,430 Old Tuberculin 1/2,000, 6,570 Silver Nitrate, 20,216 ampules Schick Test Material, 282 Sterile Distilled Water, 771,950
		Tex.	Typhoid Vaccine, 71,100 Smallpox Vaccine, 321,580 points Pertussis Vaccine, 780 Diphtheria Toxoid, 3,780 Diphtheria-Tetanus Toxoid, 228,075 Diphtheria-Tetanus-Pertussis, 244,750 Tetanus Toxoid, 67,080 Old Tuberculin, 13,265 Silver Nitrate, 14,439
Ill.	Typhoid Vaccine, 105,400 Diphtheria-Tetanus Toxoid, 118,490 Diphtheria-Tetanus-Pertussis, 156,968 Old Tuberculin, 27,120 Silver Nitrate, 62,685 Fluoride, 74,640 (311 packages) Rabies Vaccine, 18,340 Schick Test Material, 7,435 P.P.D., 96,510		
Kans.	Fluoride, 4,000 Ferric Chloride, 6,500		
Mass.	Typhoid Vaccine, 270,000 Smallpox Vaccine, 450,000 (doses) Diphtheria-Tetanus Toxoid, 100,000 Diphtheria-Tetanus-Pertussis, 270,000 Tetanus Toxoid, 180,000 Old Tuberculin, 15,000 Silver Nitrate, 130,000 Immune Serum Globulin, 270,000 (Includes 140,000 for the Red Cross) Normal Serum Albumin, 937,000 (Includes 547,000 for the Red Cross) Tetanus Immune Globulin, 2,500 Miscellaneous, 74,743		
Mich.	Typhoid Vaccine, 99,310 Smallpox Vaccine, 782,835 Pertussis Vaccine, 18,950 Diphtheria-Tetanus Toxoid, 179,060 Diphtheria-Tetanus-Pertussis, 600,020 Tetanus Toxoid, 553,602 Old Tuberculin, 558,400 Silver Nitrate, 237,040 Fluoride, 176,200 Factor VIII Concentrate (AHF), 125 Diphtheria Immune Globulin, 250 unit, 19 Dried Fibrinogen (Human), 722 Immune Serum Globulin (Human), 140,376 Normal Serum Albumin (Human), 34,629 Tetanus Immune Globulin (Human), 250 unit, 4,815 Tetanus Immune Globulin (Human), 2,000 unit, 21 Diphtheria Antitoxin, 10,000 unit, 20 Tetanus Antitoxin, 1,500 unit, 840 Tetanus Antitoxin, 20,000 unit, 50 Diphtheria-Tetanus-Polio, 32,000 Diphtheria-Tetanus-Pertussis-Polio, 194,780 Histoplasmin, 45,290 Rabies Vaccine, 4,851 Tetanus-Diphtheria (Adult), 183,450		

TABLE 7-3. PRODUCTION OF DIAGNOSTIC REAGENTS: ANTISERA

State		Amount Produced (in mls)	Amount Distributed to Other Laboratories (mls)
Conn.	Salmonella flagellar	150	-
	Salmonella somatic	213	-
	Shigella	99	-
	Streptococcus Conjugate	103	36
Ga.	Salmonella	300	15
	Shigella	-	3.5
	Citrobacter	-	3.0
Ill.	E. coli	1,863	-
	Shigella	338	-
	Salmonella	132	-
Ia.	Infectious Mononucleosis (Guinea Pig Kidney Sorbent)	900	-
	Infectious Mononucleosis (Beef Cell Sorbent)	600	-
	Herpes Type I	50	-
	Herpes Type II	45	-
	Varicella FA Conjugate	6	-
	Herpes FA Conjugate	8	-
	FM Globulin/IgM FA Conjugate	5	-
Mich.	39 types	-	645
Minn.	Enteric bacteriology	650	-
N.J.	Rubella	120	-
	St. Louis Encephalitis	55	-
Pa.	Anti-Influenza, group A	60	-
	Anti-Influenza, group B	30	-
	Anti-Polio	101	-
	Anti-Mumps Soluble	125	-
	Anti-Normal TC Cells	50	-
Tex.	Weakly Reactive Control - VDRL	*	490
	FTA Conjugate	*	4
	Reactive Control - VDRL	*	2,075
	Nonreactive Control - VDRL	*	105
Wisc.	Coxsackie B ₁	310	-
	Coxsackie B ₂	150	-
	Coxsackie B ₄	214	-
	Coxsackie B ₅	215	-
	ECHO 18	547	-
	ECHO 9	399	-

TABLE 7-4. PRODUCTION OF DIAGNOSTIC REAGENTS: ANTIGENS

State		Amount Produced (in mls)	Amount Distributed to Other Laboratories (mls)
Conn.	VDRL flocculation test antigen	9,792	6,958
	Salmonella "O"	20	-
	Salmonella "H"	150	-
Ga.	Normal Mouse Brain for FA Control	176	198
	Rabid Mouse Brain for FA Control	212	208
Hawaii	A2/Hawaii/68	50	-
	Rabies CVS	5	-
	Coxsackie B4	20	-
	Coxsackie B5	10	-
	ECHO 4	10	-
	ECHO 6	10	-
	ECHO 7	10	-
	ECHO 9	10	-
Ind.	Histo Yeast Phase	100	-
	Gonococcal	50	-
Ia.	Influenza A2, HA	400	-
	Influenza B, HA	100	-
	Influenza A2, CF	40	-
	Influenza B, CF	30	-
	Mumps, CF	30	-
	Allantoic Normal, HA Control	50	-
	Herpes Type I, CF	8	-
	Herpes Type II, CF	26	-
Normal CAM Control	14	-	
La.	Hemolysin	500	200
Mich.	6 types	-	288
Mo.	Brucella	4,000	-
	Pasteurella tularensis	1,400	-
N.J.	Eastern Encephalitis	215	-
	Herpes - Brain	32	-
	Herpes - Homogenate	140	-
	Herpes - Control	20	-
	Mumps - V	120	-
	Mumps - Control	90	-
	Mumps - S	39	-
	Mumps - Control	18	-
Pa.	Influenza CF	1,208	-
	Mumps CF	256	-
	Herpes CF	160	-
	Polio CF	180	-
	Cytomegalovirus	380	-
	Normal Tissue Control	200	-
Tenn.	Bacterial	630	50
Tex.	FTA	*	171
	Kolmer	*	60
	VDRL	*	3,360
	Widal	*	2,105
Va.	Pasteurella tularensis	*	200
	CVS	*	350
	Normal Mouse Brain	*	350

TABLE 7-4. PRODUCTION OF DIAGNOSTIC REAGENTS: ANTIGENS
(Continued)

State		Amount Produced (in mls)	Amount Distributed to Other Laboratories (mls)
Wisc.	Parainfluenza 1	250	-
	Parainfluenza 3	270	-
	Influenza A2 (Hong Kong)	160	-
	Influenza B	140	-
	Mumps	280	-
	Rubeola	231	-
	Rubella	226	-
	Cytomegalovirus	280	-
	Respiratory Syncytial	100	-
	Coxsackie B1	400	-
	Coxsackie B2	80	-
	Coxsackie B5	70	-
	ECHO 18	68	-
ECHO 9	66	-	

TABLE 7-5. PRODUCTION OF DIAGNOSTIC REAGENTS: SOLUTIONS

State		Amount Produced (in mls)	Amount Distributed to Other Laboratories (in mls)
Ariz.	Solutions & Stains	1,579,212	-
	Media	1,350,816	-
	Control Sera	4,000	-
	PM Evaluation Sera	48,500	-
	Rabies Brain Suspension	1,200	-
	Microbiological Evaluation Spec.	2,532	-
Conn.	VDR L Buffered Saline	66,900	66,900
Ga.	Seller's Stain	4,000	1,200
Ind.	Physiological Saline	300,000	-
	0.9% Saline	5,000	-
	Veronal Buffer Saline	10,000	-
La.	Normal Saline	25,000	16,000
	Distilled Water	300,000	250,000
	Ferric Chloride	1,000	510 bottles
	Copper Sulphate	1,000	900 bottles
	Phenol-Red	30,000	17,000 bottles
N.J.	Borate Saline	34 liters	-
	Borate Saline c̄ albumin	34 liters	-
	Kaolin	19 liters	-
	Rubella Buffer	26 liters	-
	NaCl (1.5M)	6 liters	-
	Boric Acid	7 liters	-
	NaOH (1.0M)	2 liters	-
	Na ₂ HPO ₄ (0.2M)	1 liter	-
	Na ₂ H ₂ PO ₄ (0.2M)	10 liters	-
	Na ₂ H ₂ PO ₄ (0.1M)	25 liters	-
	Sodium Bicarbonate	0.1 liter	-
N.C.	Culture Media	5,139 liters	-
	Solutions	3,278 liters	-
	Stains	331 liters	-
	Sheep Blood	139 liters	-
N.D.	Solid Media	1,572	-
	Liquid Media	705	-
	Stains & Solutions	105	-
	Other Solutions	120	-
Tenn.	Buffered PSS	74,500	-
	Physiological Saline	327,250	-
	VDR L Saline	85,250	-
	10% Ferric Chloride	11,600	-
Tex.	FTA Sorbent	*	2,350
	Sheep Blood	*	10,560
	VDR L Buffer	*	29,270
	1% Cholesterol	*	140
Va.	Orthotoluidine	*	111

SECTION VIII

LABORATORY DATA PROCESSING

TABLE 8-1. CURRENT PREPARATION OF WORKLOAD REPORTS

<u>Reports of Laboratory Workload Statistics Prepared By:</u>			
	Electronic Data Processing (Computer)	Unit Record (Punch Card) Equipment	Longhand or Typewriter
Ala.	-	-	X
Alaska	-	-	X
Ariz.	-	-	X
Ark.	-	-	X
Cal.	*	*	*
Colo.	-	-	X
Conn.	-	-	X
Del.	-	-	X
D.C.	-	-	X
Fla.	-	-	X
Ga.	-	-	X
Hawaii	-	-	X
Ida.	-	-	X
Ill.	-	-	X
Ind.	-	-	X
Ia.	-	-	X
Kans.	-	-	X
Ky.	-	-	X
La.	-	-	X
Me.	-	-	X
Md.	-	-	X
Mass.	-	-	X
Mich.	-	-	X
Minn.	(a)	-	X (a)
Miss.	-	-	X
Mo.	-	-	X
Mont.	-	-	X
Nebr.	*	*	*
Nev.	-	-	X
N.H.	-	-	X
N.J.	-	-	X
N.M.	-	-	X
N.Y.	-	-	X
N.C.	-	X	X
N.D.	-	-	X
Ohio	-	-	X
Okla.	*	*	*
Ore.	-	-	X
Pa.	-	-	X
R.I.	-	-	X
S.C.	-	-	X
S.D.	*	*	*
Tenn.	-	-	X
Tex.	-	-	X
Utah	-	-	X
Vt.	-	X	-
Va.	-	-	X
Wash.	-	-	X
W.Va.	-	-	X
Wisc.	X	X	-
Wyo.	-	-	X
Guam	-	-	X
P.R.	*	*	*
V.I.	-	-	X

TABLE 8-2. AVAILABILITY AND LOCATION OF COMPUTER EQUIPMENT

	Type & Model of Computer Available	Computer Located:		Computer Under Direction of:		
		on Premises	off Premises	Laboratory	Health Department	Other
Ala.	-	-	-	-	-	-
Alaska	IBM 360-40	-	X	-	-	X (b)
Ariz.	-	-	-	-	-	-
Ark.	IBM 360-20	-	X	-	X	-
Cal.	*	*	*	*	*	*
Colo.	Olivetti - Desk	X	-	-	X	-
Conn.	IBM 20	-	X	-	X	-
	IBM 30, 40 & 50	-	X	-	-	X
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	IBM 1401	X	-	-	X	-
Ga.	IBM 360-40, 50	X	-	-	X	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	IBM 360-65	-	X	-	-	X (c)
Ind.	IBM	X	-	-	X	-
Ia.	-	-	-	-	-	-
Kans.	IBM 403	-	X	-	X	-
Ky.	-	-	-	-	-	-
La.	IBM 360 Model 20-12K	X	-	-	X	-
Me.	IBM	-	X	-	-	X
Md.	-	-	-	-	-	-
Mass.	-	-	-	-	-	-
Mich.	-	-	-	-	-	-
Minn.	Control Data 3300, 6600	-	X	-	-	X (d)
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	RCA Spectra 70/45F	X	-	-	X	-
N.M.	-	-	-	-	-	-
N.Y.	Burroughs 3500	-	X	-	X	-
N.C.	IBM 360	-	X	-	-	X
N.D.	-	-	-	-	-	-
Ohio	IBM 360-40, 50, 20	-	X	-	-	X
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	RCA Spectra 70/45	X	-	-	X	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	S 360-30, 65K	-	X	-	X	-
Wash.	*	-	X	-	X	-
W.Va.	-	-	-	-	-	-
Wisc.	D.E.C. Linc-8	X	-	X	-	-
	IBM 360/50	-	X	-	-	X
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 8-3. AVAILABILITY OF COMPUTER SPECIALISTS

	Number of Specialists Available For:					
	Systems Analysis:			Programming:		
	Lab Staff	H D Staff	Other	Lab Staff	H D Staff	Other
Ala.	-	-	-	-	-	-
Alaska	-	1	2	-	1	2
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	-	2	-
Cal.	*	*	*	*	*	*
Colo.	-	2	-	-	2	-
Conn.	-	1	4	-	-	10
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	-	*	-	-	*	-
Ga.	-	2	-	-	16	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	8	-	-	8	-
Ind.	-	1	-	-	3	-
Ia.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	-	1	-	-	2	-
Me.	-	*	-	-	*	-
Md.	-	-	-	-	-	-
Mass.	-	-	-	-	-	-
Mich.	-	-	-	-	-	-
Minn.	-	1	2	1	2	2
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	1	-	-	5	-
N.M.	-	-	-	-	-	-
N.Y.	-	7	-	-	13	-
N.C.	-	-	5	-	-	9
N.D.	-	-	-	-	-	-
Ohio	-	2	-	-	3	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	2	-	-	8	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	3	-	-	4	-
Wash.	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-
Wisc.	1 (e)	-	-	(e)	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 8-4. COMPUTER APPLICATIONS DURING FY 70

	Licensure or Registration	Diagnostic Reporting	Workload Statistics	Management Information	Purchasing	Personnel Records (incl. Salaries)	Radiological Health Calculations	Supply Inventory	Environmental Health Reporting	Clinical Chemistry Calculations	Other
Ala.
Alaska	.	.	.	X	X	X	.	.	.	.	.
Ariz.
Ark.
Cal.	*	*	*	*	*	*	*	*	*	*	*
Colo.	X	X	.	.	.	.
Conn.
Del.
D.C.
Fla.	X	.	.	.	.	.	.	.	.	.	.
Ga.
Hawaii
Ida.
Ill.	X	X	X	X	.	X	X	.	X	.	.
Ind.	X	.	.	.
Ia.	X	X	.	X	X	.	.
Kans.
Ky.
La.	X	X	.	.	.	.	.
Me.
Md.
Mass.
Mich.
Minn.	X (f)	.	.	.	X (g)	X (h)
Miss.
Mo.
Mont.
Nebr.	*	*	*	*	*	*	*	*	*	*	*
Nev.
N.H.
N.J.	X	.	.	X	.	.
N.M.
N.Y.	X	X	.	.	.	.	X	.	.	X	.
N.C.	X	.	.	.	X (i)
N.D.
Ohio	X	X	.	.	X	.	.
Okla.	*	*	*	*	*	*	*	*	*	*	*
Ore.
Pa.
R.I.
S.C.
S.D.	*	*	*	*	*	*	*	*	*	*	*
Tenn.
Tex.
Utah
Vt.
Va.	.	.	.	X	.	.	.	.	.	.	.
Wash.
W. Va.
Wisc.	X	X	X	.	.	X	.	X	.	X	.
Wyo.
Guam
P.R.	*	*	*	*	*	*	*	*	*	*	*
V.I.

TABLE 8-5. COMPUTER APPLICATIONS DURING FY 71

	Licensure or Registration	Diagnostic Reporting	Workload Statistics	Management Information	Purchasing	Personnel Records (incl. Salaries)	Radiological Health Calculations	Supply Inventory	Clinical Chemistry Calculations	Other
Ala.
Alaska	.	.	X	.	.	.	.	.	.	.
Ariz.
Ark.
Cal.	*	*	*	*	*	*	*	*	*	*
Colo.	.	.	X	X	X	.	.	X	.	.
Conn.	.	X	X	X	.	.	.	.	.	.
Del.
D.C.
Fla.
Ga.
Hawaii
Ida.
Ill.	X	.	.	.	.	.	.	.	.	.
Ind.
Ia.
Kans.
Ky.
La.	.	X	X	X	.	.	.	X	.	.
Me.
Md.	X	.	.	.	.
Mass.
Mich.
Minn.	X	X (h)	.
Miss.
Mo.
Mont.
Nebr.	*	*	*	*	*	*	*	*	*	*
Nev.
N.H.
N.J.	X	.	.	.
N.M.
N.Y.	X (j)	.
N.C.	X	.	X (k)	.
N.D.
Ohio	X	.	X (l)	.
Okla.	*	*	*	*	*	*	*	*	*	*
Ore.
Pa.	.	X	X	X	X	X	.	X	X (m)	.
R.I.
S.C.
S.D.	*	*	*	*	*	*	*	*	*	*
Tenn.
Tex.
Utah
Vt.
Va.
Wash.
W.Va.
Wisc.	X	X	X	.	.	X	.	X	X	.
Wyo.
Guam
P.R.	*	*	*	*	*	*	*	*	*	*
V.I.

TABLE 8-6. COMPUTER APPLICATIONS CONSIDERED FOR FUTURE

	Licensure or Registration	Diagnostic Reporting	Workload Statistics	Management Information	Purchasing	Personnel Records (incl. Salaries)	Radiological Health Calculations
Ala.	-	-	-	-	-	-	-
Alaska	X	X	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	X	-	-	-	X	-	-
Del.	-	-	-	-	-	-	-
D.C.	-	-	-	-	-	-	-
Fla.	-	X	-	-	-	-	-
Ga.	X	X	X	X	X	X	-
Hawaii	X	X	X	X	X	-	-
Ida.	-	-	-	-	-	-	-
Ill.	-	-	-	-	X	-	-
Ind.	-	-	-	-	-	-	-
Ia.	X	X	X	X	-	-	X
Kans.	-	-	-	-	-	-	-
Ky.	-	-	X	-	-	-	-
La.	-	-	-	-	-	-	-
Me.	-	-	-	-	X	-	-
Md.	X	X	X	X	-	-	X
Mass.	-	X	X	-	X	-	-
Mich.	-	-	-	-	-	-	-
Minn.	X	-	X	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	X	X	X	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	X	X	X	X	-
N.C.	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	X	X	X	X	-	-	-
Okla.	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	-	X	X	X	X	X	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	X	X	-	-	-	X
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	X	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 8-6. COMPUTER APPLICATIONS CONSIDERED FOR FUTURE
(Continued)

	Supply Inventory	Preventive Maintenance	Training	Environmental Health Reporting	Biologics Production and Distribution	Clinical Chemistry Calculations	Control of Instruments	Other
Ala.	.	.	.	.	.	.	.	.
Alaska	.	.	.	.	.	.	.	.
Ariz.	.	.	.	X	X	.	X	.
Ark.	.	.	.	.	.	.	.	.
Cal.	*	*	*	*	*	*	*	*
Colo.	.	.	.	.	.	.	.	.
Conn.	X	.	.	.	.	X	.	.
Del.	.	.	.	.	.	.	.	.
D.C.	.	.	.	.	.	.	.	.
Fla.	X	.	.	.	.	.	.	.
Ga.	X	.	X	.	.	.	.	.
Hawaii	X	X	.	.	.	X	.	.
Ida.	.	.	.	.	.	.	.	.
Ill.	X	.	.	.	.	.	.	.
Ind.	.	.	.	.	.	.	.	.
Ia.	.	.	.	.	.	X	.	.
Kans.	.	.	.	.	.	.	.	.
Ky.	.	.	.	.	.	.	.	.
La.	.	.	.	.	.	.	.	.
Me.	X	.	.	.	.	.	.	.
Md.	.	X	X	X	.	X	X	X (n)
Mass.	X	X	.	X	X	.	X	.
Mich.	.	.	.	.	.	.	.	.
Minn.	.	.	.	.	.	.	X	.
Miss.	.	.	.	.	.	.	.	.
Mo.	.	.	.	.	.	.	.	.
Mont.	.	.	.	.	.	.	.	.
Nebr.	*	*	*	*	*	*	*	*
Nev.	.	.	.	.	.	.	.	.
N.H.	.	.	.	.	.	.	.	.
N.J.	.	.	.	.	.	.	.	.
N.M.	.	.	.	.	.	.	.	.
N.Y.	X	X	.	.	X	.	.	.
N.C.	.	.	.	.	.	.	.	.
N.D.	.	.	.	.	.	.	.	.
Ohio	X	X	.	.	.	X	X	.
Okla.	*	*	*	*	*	*	*	*
Ore.	.	.	.	.	.	.	.	.
Pa.	.	.	.	.	.	.	.	.
R.I.	.	.	.	.	.	.	.	.
S.C.	X	.	X	X	.	X	.	.
S.D.	*	*	*	*	*	*	*	*
Tenn.	.	.	.	.	.	.	.	.
Tex.	.	.	.	.	X	.	.	X (j)
Utah	.	.	.	.	.	.	.	.
Vt.	.	.	.	.	.	.	.	.
Va.	.	.	.	.	.	.	.	.
Wash.	.	.	.	.	.	.	.	.
W.Va.	.	.	.	.	.	.	.	.
Wisc.	.	.	.	.	.	.	X	.
Wyo.	.	.	.	.	.	.	.	.
Guam	.	.	.	.	.	.	.	.
P.R.	*	*	*	*	*	*	*	*
V.I.	.	.	.	.	.	.	.	.

SECTION VIII. FOOTNOTES

- (a) Clinical Chemistry intrastate proficiency testing is prepared by electronic data processing.
- (b) State Department of Administration.
- (c) Management Information in the Department of Finance.
- (d) University of Minnesota.
- (e) One specialist available for Systems Analysis and Programming.
- (f) Handled by State Department of Administration.
- (g) Refers to solution of complex equations other than any concerned with proficiency testing.
- (h) Clinical Chemistry Proficiency Testing.
- (i) Clinical Chemistry Record Keeping.
- (j) Blood Bank.
- (k) Clinical Chemistry Record Keeping, Environmental Sciences Record Keeping.
- (l) Proficiency Testing.
- (m) Preventive Maintenance, Training, and Control of Instruments.
- (n) Fiscal Control.

SECTION IX

PHENYLKETONURIA SCREENING PROGRAM

TABLE 9-1. STATE PHENYLKETONURIA SCREENING PROGRAM

	Type of PKU Program:			Screening Test Used by State Lab (a)	Confirmatory Test Used by State Lab (a)
	No Program	Voluntary Program	Mandatory Program		
Ala.	-	-	X	G	PC,F
Alaska	-	X (b)	-	-	-
Ariz.	X	-	-	-	-
Ark.	-	X	-	G	- (c)
Cal.	*	*	*	*	*
Colo.	-	-	X	G	PC
Conn.	-	-	X	G	F
Del.	-	X	-	G	G (d)
D.C.	*	*	*	*	*
Fla.	-	X	-	G	F
Ga.	-	-	X	G	PC,F
Hawaii	-	-	X	-	-
Ida.	-	-	X	G	PC,F
Ill.	-	-	X	G	L
Ind.	-	X	-	-	-
Ia.	-	X	-	-	F
Kans.	-	-	X	G	F
Ky.	-	-	X	G	G (d)
La.	-	-	X	G	F
Me.	-	-	X	G	- (e)
Md.	-	-	X	G	F
Mass.	-	-	X	G	AA
Mich.	-	-	X	G	G (f)
Minn.	-	-	X	G	PC,F
Miss.	X	-	-	-	-
Mo.	-	-	X	-	- (g)
Mont.	-	-	X	G	- (h)
Nebr.	*	*	*	*	*
Nev.	-	-	X	G	G (d)
N.H.	-	-	X	*	PC (e)
N.J.	-	-	X	G	F (Ambrose)
N.M.	-	X	-	-	- (i)
N.Y.	-	-	X	G	O (j)
N.C.	-	X	-	F (Hill & Summer)	F
N.D.	-	-	X	G	- (k)
Ohio	-	-	X	G	F
Okla.	*	*	*	*	*
Ore.	-	-	X	G	PC,F
Pa.	-	-	X	G	F
R.I.	-	-	X	G	PC,F
S.C.	-	-	X	G	F
S.D.	*	*	*	*	*
Tenn.	-	-	X	G	-
Tex.	-	-	X	G	F
Utah	*	*	*	*	*
Vt.	-	X	-	-	-
Va.	-	-	X	G	F (Ambrose)
Wash.	-	X	-	G	F
W.Va.	-	-	X	-	F (Hill)
Wisc.	-	-	X	-	F (Ambrose)
Wyo.	-	X	-	-	-
Guam	-	X	-	G	-
P.R.	*	*	*	*	*
V.I.	-	-	X	G	F

TABLE 9-2. NUMBER AND TYPES OF LABORATORIES PERFORMING SCREENING TESTS

	Total No. of Labs Performing Tests Routinely	Breakdown by Type of Laboratory:				
		State PH	City PH	County PH	Hospital	Indep. Clinical
Ala.	1	1	-	-	-	-
Alaska	*	*	*	*	*	*
Ariz.	-	-	-	-	-	-
Ark.	12	1	-	-	11	-
Cal.	*	*	*	*	*	*
Colo.	11	1	-	-	10	-
Conn.	1	1	-	-	-	-
Del.	*	*	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	60	2	-	-	53	5
Ga.	2	1	-	-	-	1
Hawaii	3	-	-	-	2	1
Ida.	3	1	-	-	2	-
Ill.	*	*	*	*	*	*
Ind.	103	-	-	(1)	103 (m)	(m)
Ia.	38	-	-	-	33	5
Kans.	15	1	-	-	14	-
Ky.	1	1	-	-	*	-
La.	2 (n)	2	-	-	(n)	-
Me.	1	1	-	-	-	-
Md.	2	1	-	-	1	-
Mass.	1	1	-	-	-	-
Mich.	30	1	-	-	29	-
Minn.	11	1	-	-	10	-
Miss.	-	-	-	-	-	-
Mo.	12 (o)	-	1	-	9	1
Mont.	4	1	-	-	3	-
Nebr.	*	*	*	*	*	*
Nev.	1	1	-	-	-	-
N.H.	1	1	-	-	-	-
N.J.	6	1	-	-	5	-
N.M.	2	-	-	-	2	-
N.Y.	4	1	2	1	-	-
N.C.	1	1	-	-	-	-
N.D.	*	*	-	-	-	-
Ohio	6	1	-	-	5	-
Okla.	*	*	*	*	*	*
Ore.	1	1	-	-	-	-
Pa.	73	1	-	1	71	-
R.I.	1	1	-	-	-	-
S.C.	2	1	-	-	1	-
S.D.	*	*	*	*	*	*
Tenn.	1	1	-	-	-	-
Tex.	1	1	-	-	*	*
Utah	*	*	*	*	*	*
Vt.	1	-	-	-	1	-
Va.	3	3	-	-	-	-
Wash.	67 (p)	1	-	3	29	8
W.Va.	14	-	-	-	14	-
Wisc.	80	-	-	-	77	3
Wyo.	4	-	-	-	2	2
Guam	1	1	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	1	1	-	-	-	-

TABLE 9-3. NUMBER AND TYPES OF LABORATORIES PARTICIPATING IN AN APPROVAL PROGRAM

	Total No. of Labs Participating	Breakdown by Type of Laboratory:				
		State PH	City PH	County PH	Hospital	Indep. Clinical
Ala.	-	-	-	-	-	-
Alaska	*	*	*	*	*	*
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	11	1	-	-	10	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	-	-	-	-	-	-
Ga.	2	1	-	-	-	1
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	*	*	*	*	*	*
Ind.	-	-	-	-	-	-
Ia.	28	-	-	-	23	5
Kans.	1	1	-	-	-	-
Ky.	-	-	-	-	-	-
La.	2	2	-	-	-	-
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	-	-	-	-	-	-
Mich.	29	-	-	-	29	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	12 (o)	-	1	-	9	1
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	6	1	-	-	5	-
N.M.	-	-	-	-	-	-
N.Y.	1	1	-	-	-	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	5	-	-	-	5	-
Okla.	*	*	*	*	*	*
Ore.	1	1	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	*	-	-	-	*	*
Utah	*	*	*	*	*	*
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	79	-	-	-	76	3
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	1	1	-	-	-	-

TABLE 9-4. SCREENING METHODS USED BY TYPE OF LABORATORY (a)

	City PH	County PH	Hospital	Indep. Clinical
Ala.	-	-	-	-
Alaska	*	*	*	*
Ariz.	-	-	-	-
Ark.	-	-	G-8, U-3	-
Cal.	*	*	*	*
Colo.	-	-	G-6, F-4	-
Conn.	-	-	-	-
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	-	-	G-49, F-1, PC-3	*
Ga.	-	-	-	F
Hawaii	-	-	*	*
Ida.	-	-	G	-
Ill.	*	*	*	*
Ind.	-	-	*	*
Ia.	-	-	G-25, Q-8	G-2, Q-3
Kans.	-	-	G-11, F-3	-
Ky.	-	-	*	-
La.	-	-	-	-
Me.	-	-	-	-
Md.	-	-	G	-
Mass.	-	-	-	-
Mich.	-	-	G	-
Minn.	-	-	F	-
Miss.	-	-	-	-
Mo.	G	-	G	G
Mont.	-	-	F	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	G	-
N.M.	-	-	G, O	-
N.Y.	G	G	-	-
N.C.	-	-	-	-
N.D.	-	-	-	-
Ohio	-	-	G-2, F-3	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	G	G-59, F-12	-
R.I.	-	-	-	-
S.C.	-	-	G	-
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	-	-	*	*
Utah	*	*	*	*
Vt.	-	-	G	-
Va.	-	-	-	-
Wash.	-	FC-2, G-1	F-3, G-8, FC-3 P-4, O-11	G-1, P-1 F-1, O-5
W.Va.	-	-	G-10, F-4	-
Wisc.	-	-	G-64, F-13	G-1, F-2
Wyo.	-	-	G-1, PC-1	G-1, PC-1
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	-	-	-	-

SECTION IX. FOOTNOTES

- (a) Code: G - Guthrie; F - Fluorometric (McCaman-Robins); PC - Paper Chromatography; FC - Ferric Chloride; AA - Automated Amino Acid Analysis; U - Urine; Q - Quantitative; P - Phenistix; L - LaDu; O - Other or Unknown.
- (b) Law passed in 1967. With provision of State laboratory facilities, PKU testing will be mandatory by end of FY 71.
- (c) Performed by University of Arkansas Medical Center.
- (d) Repeat test to verify.
- (e) Confirmed by Massachusetts Department of Public Health.
- (f) Blood phenylalanine levels and clinical appraisal done at University Hospital, University of Michigan, Ann Arbor, Michigan.
- (g) Referred to clinic laboratory in out-patient department of two large hospitals.
- (h) Referred to Denver.
- (i) Confirmed by Colorado School of Medicine.
- (j) Spectrophotofluorometric method of McCaman and Robins.
- (k) Referred to another laboratory.
- (l) Two send Phenistix to family.
- (m) Estimated total hospital and independent clinical laboratories performing PKU tests.
- (n) Some hospitals do their own testing. Number and method used is unknown.
- (o) Includes one "other" laboratory which uses Guthrie.
- (p) Includes 26 "other" laboratories, 12 of which use Phenistix, Ferric Chloride, Tear drop and "Strip." Information on other 14 is unknown.

SECTION X

DIAGNOSTIC WORKLOAD

TABLE 10-1. DIAGNOSTIC BACTERIOLOGY: CORYNEBACTERIUM DIPHTHERIAE AND STREPTOCOCCUS

	<u>Corynebacterium Diphtheriae</u>			Specimens	<u>Streptococcus</u>		
	Specimens	Exams	Positives		Specimens	Exams	Positives
Ala.	140	502	9	34,511	44,146	6,385	
Alaska	18	18	-	5,475	8,602	1,677	
Ariz.	649	1,458	171	7,881	8,644	1,448	
Ark.	283	283	-	3,219	6,438	670	
Cal.	*	*	*	*	*	*	
Colo.	26	52	3	230,942	230,942	38,141	
Conn.	443	473	4	238,807	324,175	47,365	
Del.	201	603	*	409	409	36	
D.C.	2	6	-	3,407	6,514	145	
Fla.	14,332	14,332	65	16,080	16,080	3,071	
Ga.	343	343	36	12,016	13,638	2,525	
Hawaii	13	13	1	25,226	30,281	3,306	
Ida.	28	45	-	10,670	12,574	1,780	
Ill.	2,463	2,489	13	54,683	54,914	9,603	
Ind.	11	13	1	-	-	-	
Ia.	185	192	1	19,043	24,546	5,163	
Kans.	26	26	-	11,927	23,854	3,231	
Ky.	-	-	-	6,459	12,863	1,671	
La.	2,186	6,558	359	*	15,428	5,600	
Me.	5	5	-	21,922	29,874	4,435 (a)	
Md.	(b)	50,986	5	50,986	50,986	11,910 (c)	
Mass.	9	9	-	204,937 (d)	260,082	48,170	
Mich.	1,005	1,013	*	123,429	123,880	19,589	
Minn.	1,891	1,898	-	126 (e)	128	126	
Miss.	270	278	8	41,019	82,038	8,505	
Mo.	6	6	-	34,251	79,872	5,365	
Mont.	312	312	21	1,107	1,107	412	
Nebr.	*	*	*	*	*	*	
Nev.	-	-	-	134	549	*	
N.H.	8	24	-	24,962	31,637	6,162	
N.J.	58	116	-	37	37	35	
N.M.	88	88	6	908	908	153	
N.Y.	7	*	-	3,789	*	821	
N.C.	27	27	1	34,123 (f)	43,654	7,964 (g)	
N.D.	45	45	-	15,445	30,690	2,191	
Ohio	603	603	-	81,982	98,406	15,736	
Okla.	*	*	*	*	*	*	
Ore.	120	129	5	37,184	52,227	7,801	
Pa.	21	21	-	72	72	25 (a)	
R.I.	6	19	-	21,235	27,143	2,954 (h)	
S.C.	216	448	7	1,181	2,532	300	
S.D.	*	*	*	*	*	*	
Tenn.	11	11	-	77,303	77,303	15,615	
Tex.	5,796	6,145	349	4,577	5,194	617	
Utah	9	1	-	23,365	29,914	5,930	
Vt.	<50	<50	-	29,000	29,000	5,400	
Va.	3,439	3,439	-	40,768	40,765	10,103	
Wash.	1,331	2,132	47	940 (i)	2,153	256	
W. Va.	-	-	-	13,181	30,892	2,960	
Wisc.	10	10	-	55,376	55,376	10,720	
Wyo.	10	10	-	208,843	221,929	12,263	
Guam	147	308	5	79	79	3	
P.R.	*	*	*	*	*	*	
V.I.	-	-	-	794	1,564	66	

TABLE 10-2. DIAGNOSTIC BACTERIOLOGY: STAPHYLOCOCCUS AND VINCENT'S ANGINA

	<u>Staphylococcus</u>			<u>Vincent's Angina</u>		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	211	633	159	4,398	8,712	47
Alaska	5,475	5,475	622	10	10	3
Ariz.	-	-	-	-	-	-
Ark.	85	85	77	-	-	-
Cal.	*	*	*	*	*	*
Colo.	38	38	8	17	48	9
Conn.	2,910	2,915	2,890	329	341	80
Del.	187	187	84	5	5	2
D.C.	*	*	*	-	-	-
Fla.	16,080	17,059	979	77,392	77,392	505
Ga.	-	78	51	61	61	30
Hawaii	1,994 (j)	3,303	2,228	4	4	1
Ida.	*	708	*	-	-	-
Ill.	4,343	8,686	2,703	530	530	176
Ind.	624	624 (k)	243	5	5	5
Ia.	1,842	1,842	1,169	96	96	36
Kans.	1,526	3,052	1,526	-	-	-
Ky.	-	-	-	-	-	-
La.	*	2,292	609	*	24	24
Me.	-	1,996	1,942	82	82	72
Md.	(b)	50,986	11,942	211	211	*
Mass.	(d)	7,172	7,172	10	10	6
Mich.	*	123,169	16,816	1,349	1,364	211
Minn.	70 (e)	70	70	9	9	3
Miss.	* (1)	*	*	16	16	15
Mo.	37	102	37	-	-	-
Mont.	69	69	59	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	512	3,382	*	-	-	-
N.H.	591	1,107	305	10	10	5
N.J.	4	4	3	-	-	-
N.M.	-	189	68	-	-	-
N.Y.	1,328	*	*	16	*	13
N.C.	(f)	834 (m)	736	13	13	3
N.D.	-	2,565	855	71	71	23
Ohio	4,991	11,153	3,754	8	8	-
Okla.	*	*	*	*	*	*
Ore.	58	109	38	8	8	3
Pa.	-	-	-	1	1	-
R.I.	52	52	36	11	11	8
S.C.	27	139	15	1	2	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	5	5	2
Tex.	670	787	117	-	-	-
Utah	-	-	-	7	7	3
Vt.	-	4,500	4,500	<100	<100	<40
Va.	5,572	5,571	1,900	62	62	16
Wash.	92	327	103 (n)	-	-	-
W.Va.	66	109	30	*	2,161	15
Wisc.	2,261	2,261	1,132	104	104	36
Wyo.	-	-	-	5	5	4
Guam	107	107	18	-	-	-
P.R.	*	*	*	*	*	*
V.I.	794	1,564	67	-	-	-

TABLE 10-3. DIAGNOSTIC BACTERIOLOGY: DARKFIELD PREPARATIONS AND NEISSERIA GONORRHOEAE

	Darkfield Preparations			Neisseria gonorrhoeae		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	14	14	2	45,077	78,319	9,002
Alaska	39	39	1	2,761	3,515	983
Ariz.	-	-	-	4,665	6,923	572
Ark.	-	-	-	798	858	164
Cal.	*	*	*	*	*	*
Colo.	-	-	-	3,810	3,810	477
Conn.	3	3	-	23,277	23,287	2,029
Del.	18	18	6	6,864	13,728	1,796
D.C.	-	-	-	25,661	44,983	1,999
Fla.	367 (o)	367	61	104,189	104,189	16,662
Ga.	8	8	2	19,948	19,815	5,855
Hawaii	2	2	-	4,540	5,449	689
Ida.	15	15	-	8,405	8,740	1,268
Ill.	14	14	-	31,775	32,376	5,221
Ind.	-	-	-	10,913	10,913	1,515
Ia.	-	-	-	3,362	3,362	483
Kans.	-	-	-	10,910	10,932	1,303
Ky.	3	3	-	6,002	5,894	1,541
La.	*	8	3	*	23,879	6,872
Me.	2	4	-	5,594	5,695	1,170
Md.	9	9	*	72,245	72,245	9,876
Mass.	-	-	-	8,066	8,161	1,472
Mich.	56	48	3	72,307	122,683	6,902
Minn.	12	12	2	10,910	11,059	1,387
Miss.	-	-	-	896	896	203
Mo.	4	4	-	4,418	9,056	1,056
Mont.	-	-	-	476	476	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	11,452	12,870	*
N.H.	1	2	-	1,854	2,112	311
N.J.	-	-	-	3,950	4,716	1,939
N.M.	37	37	10	4,426	4,426	1,230
N.Y.	16	*	-	2,250	*	220
N.C.	6	6	-	4,224 (p)	4,224	1,403
N.D.	10	10	1	1,071	1,071	165
Ohio	5	5	1	5,866	5,866	718
Okla.	*	*	*	*	*	*
Ore.	19	19	-	7,206	7,097	1,156
Pa.	-	-	-	1,509	1,509	-
R.I.	3	3	2	4,913	4,913	362
S.C.	159	159	58	8,937	9,363	3,756
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	3,133	3,133	397	64,874	80,265	15,391
Utah	5	5	3	2,305	2,305	239
Vt.	<20	<20	1	2,800	5,600	365
Va.	10	10	-	16,988	16,912	3,007
Wash.	49	49	4	2,192	5,080	534
W.Va.	5	5	-	4,803	4,803	690
Wisc.	-	-	-	7,154	11,087	919
Wyo.	-	-	-	212	212	41
Guam	-	-	-	35	46	5
P.R.	*	*	*	*	*	*
V.I.	18	18	9	842	965	420

TABLE 10-4. DIAGNOSTIC BACTERIOLOGY: MYCOBACTERIUM

	Specimens	Exams	Positives	
			Myco. Tuberculosis	Myco., Atypical
Ala.	62,241	338,062	4,757	2,434
Alaska	14,491	55,984	209	7
Ariz.	13,686	25,582	852	313
Ark.	19,549	59,425	758	525
Cal.	*	*	*	*
Colo.	1,909	2,081	74	*
Conn.	6,673	27,940	400	98
Del.	-	-	-	-
D.C.	*	*	138	15
Fla.	65,153	183,939	2,256	2,788
Ga.	41,831	91,891	1,142	565
Hawaii	8,127	25,194	81	334
Ida.	1,287	2,096	53	*
Ill.	11,802	46,336	669	436
Ind.	7,807	31,228	724	457
Ia.	2,079	12,083	90	292
Kans.	7,855	41,296	272	513
Ky.	13,546	53,824	1,373	235
La.	58,523	228,108	1,414	2,046
Me.	2,774	14,355	137	59
Md.	23,445	101,572	1,644	985
Mass.	4,687	24,680	335	114
Mich.	16,480	70,268	1,945	451
Minn.	13,179	62,374	278	78
Miss.	26,833	107,332	841	594
Mo.	-	-	-	-
Mont.	3,387	12,841	193	83
Nebr.	*	*	*	*
Nev.	4,771	13,594	*	*
N.H.	5,380	10,830	236	1
N.J.	22,207	84,216	2,021	794
N.M.	9,548	18,632	792	18
N.Y.	6,083	*	434	284
N.C.	16,674	84,078	411	292
N.D.	5,387	16,035	*	*
Ohio	13,250	51,095	453	111
Okla.	*	*	*	*
Ore.	4,921	10,854	*	*
Pa.	21,389	106,945	1,298	696
R.I.	1,572	3,333	55	8
S.C.	19,288	56,364	1,910	484
S.D.	*	*	*	*
Tenn.	44,067	146,763	2,675	2,090
Tex.	31,675	176,264	2,863	667
Utah	2,294	9,831	75	27
Vt.	3,800	8,000	194	62
Va.	24,619	48,821	1,734	596
Wash.	4,939	29,064	188	106
W.Va.	14,985	28,739	557	236
Wisc.	7,376	13,442	713	271
Wyo.	303	966	62	2
Guam	*	6,985	360	1
P.R.	*	*	*	*
V.I.	574	1,116	2	10

TABLE 10-5. DIAGNOSTIC BACTERIOLOGY: ENTERIC

Specimens	Exams	Positives				
		Salmonella	Shigella	<u>E. coli</u>	Other	
Ala.	4,999	24,656	321	100	152	16
Alaska	2,928	6,211	163	30	214	-
Ariz.	1,375	2,516	321	222	76	1
Ark.	3,531	16,453	204	99	10	-
Cal.	*	*	*	*	*	*
Colo.	1,781	5,875	269	182	81	32
Conn.	9,577	55,181	692	107	105	255
Del.	530	2,650	2	2	9	-
D.C.	1,042	5,210	57	10	5	660
Fla.	47,595	142,785	1,430	302	180 (q)	(q)
Ga.	23,656	94,624	827	316	6	3 (r)
Hawaii	7,978	19,947	713	388	84	4
Ida.	*	755	93 (s)	(s)	(s)	(s)
Ill.	7,051	21,428	1,865	962	327	27
Ind.	2,387	7,811	478	128	44	-
Ia.	1,511	6,312	188	167	16 (t)	100
Kans.	6,161	19,328	368	100	63	430
Ky.	872	3,725	125	37	-	-
La.	*	143,973	581	74	67	-
Me.	1,604	10,691	101	10	12	18
Md.	5,226	18,700	903	175	42	-
Mass.	13,830	78,676	2,490	551	128	1,855 (u)
Mich.	20,177	40,397	2,101	199	21	389
Minn.	5,235	22,080	426	407	171	12
Miss.	3,563	3,912	139	56	*	-
Mo.	969	29,561	79	20	12	34
Mont.	962	962	75	55	4 (t)	-
Nebr.	*	*	*	*	*	*
Nev.	344	4,675	*	*	*	*
N.H.	1,432	6,079	167	111	2	84
N.J.	5,800	25,320	372	298	55	-
N.M.	*	6,326	218	433	511	163
N.Y.	*	*	483	93	203	128
N.C.	4,261	36,536	515	122	3 (t)	2 (r)
N.D.	3,124	12,496	84	100	226	-
Ohio	2,106 (v)	9,520	217	53	1	3
Okla.	*	*	*	*	*	*
Ore.	1,890	3,825	196	51	38	-
Pa.	11,846	59,230	1,908	140	11	-
R.I.	2,647	13,235	298	46	3	121
S.C.	491	3,017	69	12	-	-
S.D.	*	*	*	*	*	*
Tenn.	5,555	18,433	267	175	12	54
Tex.	8,430	40,473	570	268	31	382
Utah	2,104	3,577	85	66	12	-
Vt.	*	2,400	92	15	20	10
Va.	10,297	27,927	634	74	-	1
Wash.	2,788	15,119	407	83	21 (t)	199
W.Va.	409	*	74	10	45	-
Wisc.	6,064	16,450	1,327	273	124	14
Wyo.	62	292	3	2	3	-
Guam	168	1,293	7	1	23	-
P.R.	*	*	*	*	*	*
V.I.	2,730	2,730	4	22	13	-

TABLES 10-1 - 10-5. FOOTNOTES

- (a) Group A.
- (b) Respiratory diagnostic cultures are examined for C. diphtheriae, streptococci (Group A and non Group A) coagulase positive staphylococci and other pathogens.
- (c) Includes 8,974 B streptococci, Group A and 2,936 streptococci, non Group A.
- (d) Staphylococcus specimens included with Streptococcus.
- (e) No routine service for these organisms. These organisms, however, are identified from referred cultures and clinical specimens.
- (f) Staphylococci specimens included with Streptococci as one total. These specimens are throat swabs only received by the Streptococcus and Staphylococcus Unit. Each specimen is examined for both organisms. Most specimens are received as "miscellaneous" specimens and those received for diphtheria culture are also examined for staphylococci and streptococci, but this number is not included here.
- (g) Group A, 5,819; non Group A, 2,145.
- (h) Group A, 2,408; non Group A, 546.
- (i) Includes 27 isolates from Reference Microbiology Laboratory examinations.
- (j) Others are counted under Streptococcus.
- (k) Phage typing.
- (l) Included with miscellaneous bacteriology, Table 10-11.
- (m) Number of examinations reported here are coagulase tests only on isolates from throat swabs. Cultures for staphylococcus on throat swabs are included in the number of examinations for streptococcus.
- (n) Includes 75 isolates from Reference Microbiology Laboratory. Specimens accounted for under miscellaneous bacteriology.
- (o) Darkfield examinations performed in local health department clinics not included.
- (p) Number of specimens reported here are smears for Gram's stain only. Specimens for culture and examinations on cultures are included in report of miscellaneous bacteriology.
- (q) "Other" included with "E. coli."
- (r) Arizona.
- (s) Shigella, E. coli and Other included with Salmonella as one total.
- (t) Enteropathogenic E. coli.
- (u) Salmonella and shigella serotyping.
- (v) Does not include cultures referred for identification or typing.

TABLE 10-6. DIAGNOSTIC BACTERIOLOGY: BACTERIOPHAGE TYPING AND BLOOD CULTURES

	Bacteriophage Typing			Blood Cultures		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	-	-	-	36	686	25
Alaska	(a)	-	-	5	5	2
Ariz.	-	-	-	29	29	4
Ark.	-	-	-	22	62	13
Cal.	*	*	*	*	*	*
Colo.	-	-	-	30	30	12
Conn.	2,933	4,454	1,996	52	52	12
Del.	-	-	-	-	-	-
D.C.	-	-	-	*	*	*
Fla.	1,921	3,842	1,921	30	40	5
Ga.	49	49	49	402	402	29
Hawaii	2,940	2,802	2,802	246	295	35
Ida.	-	-	-	24	24	-
Ill.	1,864	1,864	990	62	62	2
Ind.	-	-	-	-	-	-
Ia.	680	680	680	66	544	32
Kans.	1,735	1,735	664	50	50	30
Ky.	847	1,592	129	7	16	3
La.	*	557	557	*	22	5
Me.	-	-	-	14	20	5
Md.	806	806	*	535	535	*
Mass.	-	-	-	43	*	39
Mich.	2,432	4,993	*	213	2,280	7
Minn.	6	6	5	122	258	14
Miss.	-	-	-	361	361	1
Mo.	-	-	-	55	76	4
Mont.	(a)	-	-	10	10	6
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	21	44	2
N.J.	(a)	-	-	-	-	-
N.M.	668	668	*	567	567	*
N.Y.	1,328	*	*	7	*	7
N.C.	-	-	-	(b)	*	*
N.D.	-	-	-	558	1,116	36
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	24	48	*
Pa.	*	24	12	-	-	-
R.I.	-	-	-	3	3	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	44	44	44	11	99	1
Tex.	-	-	-	12	120	-
Utah	-	-	-	12	21	5
Vt.	442	9,282	442	-	-	-
Va.	-	-	-	34	32	32
Wash.	-	-	-	3	(b)	-
W. Va.	-	-	-	22	66	32
Wisc.	-	-	-	131	131	10
Wyo.	-	-	-	2	10	1
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	143	143	9

TABLE 10-7. DIAGNOSTIC BACTERIOLOGY: SPINAL FLUID CULTURES AND WOUND CULTURES

	<u>Spinal Fluid Cultures</u>			<u>Wound Cultures</u>		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	23	408	22	8	548	22
Alaska	7	10	*	498	704	339
Ariz.	6	6	-	26	26	11
Ark.	15	39	11	18	44	19
Cal.	*	*	*	*	*	*
Colo.	-	-	-	6	12	3
Conn.	-	-	-	-	-	-
Del.	-	-	-	*	8	8
D.C.	*	*	*	*	*	*
Fla.	11	13	1	1,653	4,519	716
Ga.	55	55	5	12	60	7
Hawaii	15	26	4	46 (c)	159	99
Ida.	-	-	-	-	-	-
Ill.	36	36	*	41	41	*
Ind.	-	-	-	-	-	-
Ia.	20	188	14	419	4,236	396
Kans.	24	24	14	36	36	36
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Ma.	3	2	1	15	25	5
Md.	103	103	*	249	249	*
Mass.	14	*	11	242	*	242
Mich.	28	106	14	13,506	40,853	*
Minn.	46	103	11	*	*	*
Miss.	3	3	1	-	-	-
Mo.	-	-	-	110	3,355	93
Mont.	22	22	8	36	36	24
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	6	14	-	19	29	4
N.J.	1	1	-	-	-	-
N.M.	*	1,491 (d)	*	*	(d)	*
N.Y.	3	*	2	313	*	266
N.C.	(b)	*	*	(b)	*	*
N.D.	201	201	*	163	163	163
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	38	105	*	98	179	*
Pa.	-	-	-	-	-	-
R.I.	2	2	-	25	100	21
S.C.	4	20	-	32	224	-
S.D.	*	*	*	*	*	*
Tenn.	3	20	1	6	18	4
Tex.	3	30	-	13	130	-
Utah	4	5	1	24	*	9
Vt.	<20	<40	<20	<20	<40	<20
Va.	11	10	10	239	239	23
Wash.	2	(b)	-	19	(b)	19
W. Va.	12	72	6	9	81	3
Wisc.	14	14	2	*	*	*
Wyo.	-	-	-	1	4	1
Guam	1	6	-	1	3	-
P.R.	*	*	*	*	*	*
V.I.	30	30	1	320	320	74

TABLE 10-8. DIAGNOSTIC BACTERIOLOGY: DENTAL CARIES CULTURES AND ANAEROBIC CULTURES

	<u>Dental Caries Cultures</u>			<u>Anaerobic Cultures</u>		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	-	-	-	503	11,569	72
Alaska	-	-	-	71	71	6
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	61	163	69
Cal.	*	*	*	*	*	*
Colo.	227	227	*	18	18	6
Conn.	-	-	-	-	-	-
Del.	-	-	-	*	76	76
D.C.	-	-	-	*	*	*
Fla.	1,864	1,864	*	561	1,638	544
Ga.	-	-	-	168	672	168
Hawaii	-	-	-	2,520	4,789	1,501
Ida.	-	-	-	31	31	*
Ill.	482	482	482 (e)	1,198	1,198	97
Ind.	-	-	-	-	-	-
Ia.	-	-	-	(f)	-	-
Kans.	-	-	-	884	884	85
Ky.	-	-	-	51	180	17
La.	*	16	*	-	-	-
Me.	-	-	-	53	212	53
Md.	-	-	-	(g)	-	-
Mass.	-	-	-	44	*	17 (h)
Mich.	4,357	4,391	*	306	1,530	*
Minn.	-	-	-	56	148	37
Miss.	-	-	-	-	-	-
Mo.	-	-	-	92	2,760	92
Mont.	-	-	-	216	216	75
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	15	34	1
N.J.	-	-	-	47	47	42
N.M.	2	2	*	*	(d)	*
N.Y.	-	-	-	137	*	*
N.C.	(b)	*	*	(b)	*	*
N.D.	-	-	-	620	1,240	194
Ohio	-	-	-	160	320	*
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	10	50	10
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	85	*	39	-	-	-
Tex.	341	341	*	61	152	16
Utah	-	-	-	8	12	2
Vt.	-	-	-	<10	<40	<10
Va.	78	78	61	76	76	-
Wash.	-	-	-	(1)	(1)	69
W.Va.	402	402	168	58	348	4
Wisc.	-	-	-	*	*	*
Wyo.	-	-	-	-	-	-
Guam	3	3	*	1	3	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	24	24	6

TABLE 10-9. DIAGNOSTIC BACTERIOLOGY: ANTIBIOTIC SENSITIVITY AND ANIMAL INOCULATION

	<u>Antibiotic Sensitivity</u>			<u>Animal Inoculation</u>		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	59	288	26	79	79	-
Alaska	1,061	1,061	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	140	140	*	-	-	-
Conn.	318	318	318	-	-	-
Del.	*	208	52	-	-	-
D.C.	94	94	-	-	-	-
Fla.	1,518	4,554	123	-	-	-
Ga.	877	*	877	-	-	-
Hawaii	254	254	254	1	1	-
Ida.	*	458	*	-	-	-
Ill.	-	-	-	92	92	*
Ind.	-	-	-	-	-	-
Ia.	2,023	2,023	2,023	924	3,746	*
Kans.	770	770	*	2	2	-
Ky.	18	39	13	5	10	2
La.	*	4,105	4,105	*	2	*
Me.	-	-	-	-	-	-
Md.	*	6,802	*	1	1	*
Mass.	-	-	-	1	*	-
Mich.	31,055	31,853	*	9,543	9,543	*
Minn.	-	-	-	55	55	17
Miss.	484	2,904	-	-	-	-
Mo.	-	-	-	4	16	-
Mont.	199	199	-	6	6	(b)
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	325	1,941	-	-	-	-
N.J.	-	-	-	-	-	-
N.M.	312	312	*	2,176	2,176	29
N.Y.	55	*	-	1	*	*
N.C.	(b)	*	*	(b)	*	*
N.D.	7,144	14,288	*	-	-	-
Ohio	71	71	*	83 (j)	83	*
Okla.	*	*	*	*	*	*
Ore.	-	-	-	14	24	*
Pa.	-	-	-	-	-	-
R.I.	65	650	65	139	139	2
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	112	112	-
Utah	23	23	23	1	-	1
Vt.	-	-	-	<10	<10	<10
Va.	91	91	-	14	14	-
Wash.	350	350	*	-	-	-
W.Va.	297	297	-	4	16	-
Wisc.	4,623	4,623	*	*	*	*
Wyo.	-	-	-	-	-	-
Guam	49	49	*	-	-	-
P.R.	*	*	*	*	*	*
V.I.	974	974	840	-	-	-

TABLE 10-10. DIAGNOSTIC BACTERIOLOGY: URINE CULTURES AND REFERRED CULTURES

	Urine Cultures			Referred Cultures		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	132 (k)	1,996	76	230	5,290	243
Alaska	761	1,318	283	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	-	-	-	81	81	81
Cal.	*	*	*	*	*	*
Colo.	56	112	*	318	1,908	*
Conn.	545	545	371	688	720	666
Del.	*	245	49	-	-	-
D.C.	*	*	*	197	*	182
Fla.	*	*	*	3,675	7,350	*
Ga.	256	512	*	3,395	13,580	3,395
Hawaii	*	*	*	*	*	*
Ida.	-	-	-	253	253	*
Ill.	28	28	*	466	466	* (1)
Ind.	-	-	-	387 (m)	*	387 (m)
Ia.	-	-	-	(n)	-	-
Kans.	478	478	458	489 (o)	489	486
Ky.	-	-	-	609	1,358	128
La.	-	-	-	-	-	-
Me.	-	-	-	181	520	130
Md.	6,932	7,827	*	566	566	*
Mass.	18	*	18	(p)	-	-
Mich.	18,856	19,351	*	4,793	23,965	*
Minn.	-	-	-	753	2,412	739
Miss.	-	-	-	-	-	-
Mo.	-	-	-	394	11,383	315
Mont.	101	101	(b)	126	126	(b)
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	141	255	24	77	84	20
N.J.	-	-	-	406	406	320
N.M.	-	-	-	-	-	-
N.Y.	*	*	*	*	*	*
N.C.	(b)	*	*	(b)	*	*
N.D.	3,620	*	*	-	-	-
Ohio	-	-	-	1,865 (q)	3,730	*
Okla.	*	*	*	*	*	*
Ore.	63	128	*	67	71	*
Pa.	-	-	-	893	3,572	*
R.I.	1,706	2,576	1,690	222	222	222
S.C.	9	63	-	158	773	*
S.D.	*	*	*	*	*	*
Tenn.	1	8	1	1,776	10,656	1,596
Tex.	-	-	-	2,564	29,892	2,491
Utah	7	13	4	472	1,396	472
Vt.	<100	<200	<100	600	1,200	600
Va.	*	*	*	*	*	*
Wash.	(b)	*	*	450	13,838	*
W.Va.	99	297	69	44	44	*
Wisc.	3,891	3,891	1,118	913	913	*
Wyo.	-	-	-	23	98	*
Guam	30	120	19	29	296	11
P.R.	*	*	*	*	*	*
V.I.	660	660	242	-	-	-

TABLE 10-11. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS

	Specimens	Exams	Positives
Ala.	11 (r)	28 (r)	-
Alaska	156 (s)	173 (s)	55 (s)
Ariz.	972	969	174
Ark.	-	-	-
Cal.	*	*	*
Colo.	-	-	-
Conn.	2,097 (t)	6,553 (t)	496
Del.	*	408	136
D.C.	524	1,572	85
Fla.	5,395 (u)	13,877	*
Ga.	963 (v)	3,490 (v)	296 (v)
Hawaii	-	-	-
Ida.	-	-	-
Ill.	964 (w)	5,784	765 (w)
Ind.	-	-	-
Ia.	897	8,548	775
Kans.	813 (o)	813	813
Ky.	267 (x)	561	25
La.	*	6,618 (y)	*
Me.	-	-	-
Md.	4,744 (z)	4,744	*
Mass.	-	-	-
Mich.	1,306	1,306	*
Minn.	-	-	-
Miss.	1,477	1,477	859
Mo.	-	-	-
Mont.	287	287	553 (aa)
Nebr.	*	*	*
Nev.	-	-	-
N.H.	-	-	-
N.J.	118 (bb)	118	70
N.M.	-	-	-
N.Y.	-	-	-
N.C.	2,520	6,503	1,808 (cc)
N.D.	-	-	-
Ohio	116 (dd)	116	*
Okla.	*	*	*
Ore.	305	575	*
Pa.	-	-	-
R.I.	-	-	-
S.C.	66 (ee)	542	*
S.D.	*	*	*
Tenn.	-	-	-
Tex.	-	-	-
Utah	12	19	8
Vt.	-	-	-
Va.	-	-	-
Wash.	195	3,760 (ff)	156
W. Va.	131 (gg)	*	*
Wisc.	167	167	25
Wyo.	-	-	-
Guam	-	-	-
P.R.	*	*	*
V.I.	-	-	-

TABLES 10-6 - 10-11. FOOTNOTES

- (a) Referred to CDC.
- (b) Included with miscellaneous bacteriology, Table 10-11.
- (c) Others are counted under Streptococcus.
- (d) "Anaerobic" and "wound cultures" included in "spinal fluid cultures."
- (e) Lactobacillus counts.
- (f) Anaerobic cultures routinely performed on all miscellaneous bacteriology cultures.
- (g) Not tabulated separately; done routinely on all specimens except throat and nose and sputum.
- (h) Includes positive identifications listed under blood, spinal fluid and wounds.
- (i) Counted under Referred Cultures and Miscellaneous.
- (j) Anaerobes.
- (k) Includes urinalysis, 4 specimens, 4 exams.
- (l) The most numerous of these isolations were: Corynebacterium acnes, 11; Corynebacterium diphtheriae v. mitis, 10; Corynebacterium species, 24; Mima polymorpha, 18; Neisseria gonorrhoeae, 15; Neisseria meningitidis, grps. C, X, Y, 11; Pasteurella multocida, 14; Pseudomonas species, 24; Bacteroides fragilis, 13; Clostridium perfringens, 27. Referred cultures for identification were from blood, wound, urine, sputum, spinal fluid, throat, etc.
- (m) This includes 205 aerobic and 182 anaerobic cultures submitted by other laboratories for identification. The most numerous of these isolations were: Bacillus sp., 14; Corynebacterium sp., 34; Lactobacillus sp., 10; Neisseria gonorrhoeae, 15; Pseudomonas fluorescens pos., 13; Staphylococcus epidermidis, 10.
- (n) Primary and subcultures not differentiated.
- (o) Referred cultures for identification and miscellaneous bacteriology specimens were from throat, nose, ear, eye, other body parts, blood, feces, urine, sputum, spinal fluid, pleural fluid, other body fluids, abscess, incision, lesion, wound, etc.
- (p) Majority of miscellaneous bacteriology are referred cultures.
- (q) Mainly enteric.
- (r) Includes smear organisms, 3 specimens, 3 exams; meningitidis, 8 specimens, 25 exams.
- (s) Eye cultures, 56 specimens, 68 exams, 55 positives; miscellaneous, 100 specimens, 105 exams.
- (t) Includes Research Laboratory, 1,516 specimens, 5,643 exams.
- (u) Includes urine colony counts and urine, eye, ear, pleural fluid, sputum and other fluid or exudate cultures and smears.
- (v) Human exudates, 818 specimens, 3,272 exams, 239 positives; animal origin, 145 specimens, 218 exams, 57 positives.
- (w) Illinois reported miscellaneous bacteriological specimens as follows: smears for diagnosis, 123; smears for chancroid, 2; smears for T. pallidum, 51; specimens for PPLO culture, 23. The most common sources of clinical specimens for culture were eye, ear, skin, vaginal, abscess, sputum, fluid exudates and wound. Most numerous isolations were: Corynebacterium species, 10; Herellea vaginicola, 20; Mima polymorpha, 10; Pseudomonas aeruginosa, 32; Pseudomonas species, 12; Staphylococcus aureus, 245; Staphylococcus epidermidis, 128; Streptococcus, beta hemolytic, 103; Streptococcus pneumoniae, 13; Yeast-like organisms, 35; Enterobacter-Klebsiella group, 25; Enterobacter species, 11; Escherichia coli, 18; Proteus mirabilis, 12.
- (x) Includes smear for spermatozoa, 2 specimens, 2 exams, 1 positive. The remainder represents cultures.
- (y) Miscellaneous specimens and cultures.

TABLES 10-6 - 10-11. FOOTNOTES
(Continued)

- (z) Includes 4,172 eye, ear, skin, body fluids and tissues; 572 sputum.
- (aa) Miscellaneous organisms isolated by the microbiology laboratory included: Bacillus sp., 22; Clostridium perfringens, 18; Corynebacterium sp., 17; Escherichia coli, 66; Haemophilus influenzae, 23; Herellea vaginicola, 14; Klebsiella pneumoniae, 35; Lactobacillus, 11; Peptostreptococcus, group 2, 10; Pseudomonas aeruginosa, 17; Staphylococcus aureus, 50; Staphylococcus epidermidis, 17; Streptococcus, alpha, 18; Streptococcus, group A, 16 and Streptococcus, enterococcus, 10.
- (bb) Some 84 of these specimens were related to sterility checks performed on behalf of Food and Drug Program, Laboratory Improvement Program and Central Services. A dozen specimens were processed as part of proficiency testing activities and the remainder of the cultures consisted of clinical specimens submitted for food poisoning epidemiology.
- (cc) A total of 1,925 clinical specimens were received which are not included in other categories designated in this report. These specimens include urine, blood, spinal fluid, pus, swabs from various anatomical sites, etc. In addition, 595 reference cultures were received from other laboratories. Among the organisms isolated were: beta Streptococcus Group A, 212; beta Streptococcus non Group A, 50; coagulase positive Staphylococcus, 306; Coliform Group, 37; Pseudomonas sp., 147; Proteus and Providencia sp., 91; Klebsiella, 80; Enterococci and other non-hemolytic Streptococci, 85; Diplococcus pneumoniae, 81; Escherichia coli, 253; Aerobacter species, 66; Bacillus sp., 43; Citrobacter sp., 18; Corynebacterium sp., 42; Herellea sp., 20; Neisseria meningitidis, 12; Salmonella (other than typhi) 19; Serratia sp., 12; Streptococcus viridans, 58; Yeast-like organisms, 40.
- (dd) Miscellaneous cultures, 47 specimens, 47 exams; miscellaneous smears, 25 specimens, 25 exams; Listeria cultures, 44 specimens, 44 exams.
- (ee) Includes tissue, 4 specimens, 4 exams; env. swabs, 3 specimens, 3 exams.
- (ff) Blood, Spinal Fluid and Wound Cultures included with Miscellaneous.
- (gg) Evaluation specimens.

TABLE 10-12. MYCOLOGY CULTURES

	Specimens	Exams	Positives	
			Dermatophytes	Systemic Fungi
Ala.	1,085	10,280	30	34
Alaska	160	168	71	54
Ariz.	2,535	5,103	18	623
Ark.	1,779	15,784	38	574
Cal.	*	*	*	*
Colo.	247	247	98	12
Conn.	941	1,539	373 (a)	470
Del.	-	-	-	-
D.C.	25	75	*	*
Fla.	4,955	7,208	360	1,893
Ga.	1,158	2,316	165 (b)	88
Hawaii	881	1,145	233	48
Ida.	316	474	20	22
Ill.	1,112	1,112	237	164
Ind.	1,404	1,404	418	488
Ia.	289	578	19	7 (c)
Kans.	323	685	22	82
Ky.	143	1,457	8	53
La.	*	1,193	86	544
Me.	93	*	31	2
Md.	1,704	3,604	16	151
Mass.	191	*	11	11
Mich.	3,316	10,280	271	278
Minn.	2,170	4,642	36	10 (d)
Miss.	1,401	1,401	(e)	(e)
Mo.	118	1,809	15	34
Mont.	129	662	6	36
Nebr.	*	*	*	*
Nev.	25	101	*	*
N.H.	52	134	2	1
N.J.	104	104	26	18
N.M.	*	433	*	*
N.Y.	*	*	124	404
N.C.	492 (f)	492	38	180
N.D.	793	793	26	8
Ohio	557	557	22	11
Okla.	*	*	*	*
Ore.	186	204	40	1
Pa.	325	650	25	65
R.I.	*	*	2	437
S.C.	685	11,055	43	151
S.D.	*	*	*	*
Tenn.	1,677	1,677	80	65
Tex.	1,454	9,896	201	396
Utah	4	7	-	4
Vt.	<20	<100	<20	-
Va.	624	636	29	694
Wash.	541	3,319	6	70
W.Va.	167	501 (g)	64	11
Wisc.	2,958	2,958	254	834
Wyo.	-	-	-	-
Guam	3	3	-	-
P.R.	*	*	*	*
V.I.	19	38	1	7

TABLE 10-13. PARASITOLOGY: INTESTINAL PARASITES AND BLOOD PARASITES, MICROSCOPIC

	<u>Intestinal Parasites</u>			<u>Blood Parasites, Microscopic</u>		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	22,000	42,330	3,983	42	42	5
Alaska	490	564	34	7	7	-
Ariz.	326	605	75	-	-	-
Ark.	747	1,378	135	10	10	3
Cal.	*	*	*	*	*	*
Colo.	*	572	75	-	-	-
Conn.	12,165	16,489	2,134	25	25	17
Del.	191	191	14	-	-	-
D.C.	96	288	8	-	-	-
Fla.	96,990	96,990	13,458	28	28	3
Ga.	69,343	113,689	9,010	79	78	20
Hawaii	2,910	5,820	214	9	9	6
Ida.	244	399	17	4	4	-
Ill.	1,526	1,526	243	18	18	2
Ind.	2,331	4,205	535	26	26	22
Ia.	459	893	41	82	116	51
Kans.	5,381	5,381	1,030	8	8	3
Ky.	5,440	5,421	1,554	3	3	1
La.	*	45,956 (h)	13,474 (h)	*	28	23
Me.	93	372	-	-	-	-
Md.	8,957	8,882	779	12	12	1 (i)
Mass.	-	-	-	-	-	-
Mich.	2,699	3,129	490	16	16	*
Minn.	2,940	5,578	278	36	36	4
Miss.	8,434	8,434	1,922	42	42	2
Mo.	441	7,602	104	10	14	4
Mont.	98	98	14	21	21	11
Nebr.	*	*	*	*	*	*
Nev.	64	250	*	-	-	-
N.H.	375	398	3	8	12	1
N.J.	1,245	1,245	186	28	28	24
N.M.	700 (j)	509 (j)	47 (j)	-	-	-
N.Y.	317	*	56	55	*	43
N.C.	13,647	13,713 (k)	2,538 (k)	30	30	4
N.D.	761	761	27	25	25	3
Ohio	835	1,072	303	38	38	38
Okla.	*	*	*	*	*	*
Ore.	858	1,682	99	56	59	24
Pa.	459	1,477	179	17	8	8
R.I.	553	1,106	85	4	4	2
S.C.	22,841	24,341	2,394	14	34	-
S.D.	*	*	*	*	*	*
Tenn.	5,160	9,810	1,076	-	-	-
Tex.	5,667	9,386	1,313	128	128	100
Utah	1,760	1,760	219	5	-	-
Vt.	>100	>100	20	<10	<10	<10
Va.	21,469	21,469	13,318	9	9	-
Wash.	1,058	1,150	133	10	10	-
W.Va.	639	1,278	108	-	-	-
Wisc.	4,097	4,097	587	26	*	18
Wyo.	29	29	4	1	1	-
Guam	4,852	9,704	1,645	-	-	-
P.R.	*	*	*	*	*	*
V.I.	7,203	7,344	1,040	-	-	-

TABLE 10-14. PARASITOLOGY: TRICHOMONAS, PARASITES AND ARTHROPODS

	Trichomonas			Parasites for Identification		Arthropods for Identification	
	Specimens	Exams	Positives	Specimens	Exams	Specimens	Exams
Ala.	18,788	18,901	2,014	14	14	51	51
Alaska	92	92	12	-	-	4	4
Ariz.	23	23	23	-	-	1	1
Ark.	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	-	-	2,373 (1)	5	5	6	6
Del.	(m)	*	*	1	1	-	-
D.C.	24,415	48,840	12,173	-	-	-	-
Fla.	77,392	77,392	7,741	49	49	(n)	-
Ga.	19,948	19,815	2,808	70	70	-	-
Hawaii	2	2	-	12	12	2	2
Ida.	-	-	-	2	2	-	-
Ill.	30,166	30,166	2,592	5	5	1	1
Ind.	-	10,913	1,204	8	8	9	9
Ia.	(o)	90	90	25	25	-	-
Kans.	-	-	-	3	3	2	2
Ky.	-	-	-	-	-	-	-
La.	-	-	-	*	20	-	-
Me.	-	-	-	-	-	-	-
Md.	(m)	16,111	*	-	-	2	2
Mass.	-	-	-	-	-	-	-
Mich.	(p)	(p)	(p)	5	5	-	-
Minn.	994	994	832	12	12	3	3
Miss.	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	1	1	2	2
Nebr.	*	*	*	*	*	*	*
Nev.	1,203	1,267	*	-	-	-	-
N.H.	102	108	32	2	2	-	-
N.J.	-	-	-	3	3	2	2
N.M.	-	-	-	-	-	-	-
N.Y.	2,250	*	211	-	-	-	-
N.C.	-	-	-	3	3	(q)	-
N.D.	-	-	-	-	-	20	20
Ohio	-	260	260	2	2	6	6
Okla.	*	*	*	*	*	*	*
Ore.	†	-	-	2	2	4	4
Pa.	266	266	236	-	-	13	13
R.I.	4,758	4,758	390	5	5	1	1
S.C.	1,295	1,295	366	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	56	56	5	-	-	-	-
Tex.	-	-	-	7	7	8,934	8,934
Utah	*	*	*	7	7	-	-
Vt.	<10	<10	<10	<10	<10	<10	<10
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	1	1	4	4
W.Va.	-	2,161	155	100	100	-	-
Wisc.	2,898	*	*	19	19	15	15
Wyo.	-	-	-	-	-	-	-
Guam	15	15	4	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 10-15. VIROLOGY: TOTAL VIRAL ISOLATIONS AND TOTAL HUMAN SOURCE SPECIMENS

	Total Viral Isolations (r)			Total Human Source Specimens		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	362	1,448	359	359	1,436	359
Alaska	(s)	-	-	(s)	-	-
Ariz.	1,636	5,581	67	1,691	5,552	67
Ark.	42	48	4	42	48	4
Cal.	*	*	*	*	*	*
Colo.	446	*	147	446	*	147
Conn.	3,118	14,245	269	3,118	14,245	269
Del.	-	-	-	-	-	-
D.C.	210	528	64	210	528	64
Fla.	1,658	1,716	29	898	942	22
Ga.	1,088	7,137	104	834	*	83
Hawaii	1,336	33,900	182	1,336	33,900	182
Ida.	-	-	-	-	-	-
Ill.	1,296	3,493	121	1,296	3,493	121
Ind.	157	139	16	157	139	16
Ia.	1,483	30,742	183	786	21,513	141
Kans.	409	4,090	100	378	3,780	75
Ky.	287	1,577	13	287	1,577	13
La.	*	10,835	65	*	394	30
Me.	173	155	4	173	155	4
Md.	1,617	1,938	228	1,617	1,938	228
Mass.	5,359	*	203	280	1,767	21
Mich.	699	2,097	85	699	2,097	85
Minn.	2,199	7,421	334	2,197	7,417	334
Miss.	-	-	-	-	-	-
Mo.	585	7,877	7	585	7,877	7
Mont.	252	263	20	252	263	20
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	*	76,962	108	*	12,145	70
N.M.	*	1,077	*	*	*	*
N.Y.	2,666	6,945	143	1,031	6,520	140
N.C.	1,107	2,497	86	1,099	2,478	82
N.D.	1,320	1,413	*	1,320	1,413	*
Ohio	5,044	9,462	69	705	786	69
Okla.	*	*	*	*	*	*
Ore.	1,000	1,642	101	1,000	1,642	101
Pa.	5,205	18,217	521	3,405	*	521
R.I.	-	-	-	-	-	-
S.C.	364	1,374	60	276	1,261	55
S.D.	*	*	*	*	*	*
Tenn.	458	458	29	458	458	29
Tex.	41,936	4,230	168	843	3,502	135
Utah	335	2,763	61	335	2,763	61
Vt.	107	246	21	107	246	21
Va.	225	219	28	223	219	28
Wash.	658	6,526	82	578	6,010	59
W. Va.	356	1,637	206	356	1,637	206
Wisc.	2,403	9,152	301	2,403	9,152	301
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P. R.	*	*	*	*	*	*
V. I.	-	-	-	-	-	-

TABLE 10-16. VIROLOGY: HUMAN SOURCE SPECIMENS

	Specimens	Throat Washings Exams	Positives	Specimens	Fecal Exams	Positives
Ala.	160	640	160	93	372	93
Alaska	-	-	-	-	-	-
Ariz.	60	264	1	58	244	2
Ark.	8	8	-	13	19	2
Cal.	*	*	*	*	*	*
Colo.	169	*	147 (t)	134	*	(t)
Conn.	1,364	6,211	156	1,400	6,424	94
Del.	-	-	-	-	-	-
D.C.	66	*	*	20	*	*
Fla.	103	117	7	493	515	11
Ga.	376	*	59	217	*	15
Hawaii	835	22,900	159	234	5,300	14
Ida.	-	-	-	-	-	-
Ill.	331	653	21	391	1,173	31
Ind.	16	15	2	23	23	1
Ia.	303	9,090	57	296	6,800	42
Kans.	58	580	17	266	2,660	49
Ky.	*	557	11	*	228	1
La.	*	394 (u)	30 (u)	*	(u)	(u)
Me.	*	82	2	*	38	-
Md.	*	*	*	*	*	*
Mass.	77	*	13	83	*	6
Mich.	125	375	15	346	1,038	66
Minn.	403	1,654	50	1,068	3,279	224
Miss.	-	-	-	-	-	-
Mo.	287	5,166	5	252	2,432	2
Mont.	90	99	11	96	102	6
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	*	855	5	*	8,085	53
N.M.	*	*	*	*	*	*
N.Y.	102	964	10	550	3,050	96
N.C.	636	1,098	49	249	738	24
N.D.	10	10	-	31	124	*
Ohio	285	361	28	196	196	25
Okla.	*	*	*	*	*	*
Ore.	471	942	63	364	364	31
Pa.	1,255	*	222	1,023	*	226
R.I.	-	-	-	-	-	-
S.C.	114	687	29	88	346	21
S.D.	*	*	*	*	*	*
Tenn.	83	83	14	143	143	6
Tex.	124	477	35	458	2,070	87
Utah	107	*	33	90	*	6
Vt.	34	105	16	20	41	1
Va.	77	77	11	29	28	5
Wash.	157	2,125	26	317	3,006	26
W.Va.	39	352	11	32	142	10
Wisc.	1,005	4,226	163	713	2,879	84
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 10-16. VIROLOGY: HUMAN SOURCE SPECIMENS
(Continued)

	Specimens	CSF Exams	Positives	Specimens	Blood Exams	Positives
Ala.	32	128	32	31	124	31
Alaska	-	-	-	-	-	-
Ariz.	33	151	-	1,518	4,801	63
Ark.	19	17	2	-	-	-
Cal.	*	*	*	*	*	*
Colo.	75	*	(t)	-	-	-
Conn.	131	598	2	10	44	-
Del.	-	-	-	-	-	-
D.C.	26	*	*	-	-	-
Fla.	173	179	3	4	4	-
Ga.	125	*	5	4	*	-
Hawaii	136	2,880	3	32	640	-
Ida.	-	-	-	-	-	-
Ill.	207	621	3	3	9	-
Ind.	57	49	1	6	5	-
Ia.	95	2,850	18	11	330	-
Kans.	30	300	4	1	10	-
Ky.	*	226	-	*	21	-
La.	*	(u)	(u)	*	(u)	(u)
Me.	*	16	2	-	-	-
Md.	*	*	*	*	*	*
Mass.	73	*	-	-	-	-
Mich.	77	231	1	-	-	-
Minn.	435	1,466	46	14	49	1
Miss.	-	-	-	-	-	-
Mo.	40	240	-	-	-	-
Mont.	48	44	-	11	11	3
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	*	1,100	6	*	335	-
N.M.	*	*	*	*	*	*
N.Y.	188	1,293	21	23	173	-
N.C.	187	561	4	-	-	-
N.D.	15	15	*	1,262	1,262	*
Ohio	160	160	15	10	10	-
Okla.	*	*	*	*	*	*
Ore.	103	206	2	-	-	-
Pa.	642	*	42	-	-	-
R.I.	-	-	-	-	-	-
S.C.	52	159	3	11	20	-
S.D.	*	*	*	*	*	*
Tenn.	82	82	-	-	-	-
Tex.	175	581	7	3	9	-
Utah	49	*	3	27	*	15
Vt.	31	64	1	3	6	-
Va.	34	32	-	3	3	-
Wash.	81	546	5	-	-	-
W.Va.	34	176	-	241	929	184
Wisc.	419	1,039	21	3	10	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 10-16. VIROLOGY: HUMAN SOURCE SPECIMENS
(Continued)

	Specimens	Tissue Exams	Positives	Specimens	Other Exams	Positives
Ala.	22	88	22	21	84	21
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	22	92	1
Ark.	2	4	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	68	*	(t)	-	-	-
Conn.	95	427	2	118	541	15
Del.	-	-	-	-	-	-
D.C.	24	*	*	74	*	*
Fla.	75	77	1	50	50	-
Ga.	-	-	-	112	*	4
Hawaii	74	1,680	6	25	500	-
Ida.	-	-	-	-	-	-
Ill.	170	510	7	194 (v)	527 (v)	59 (v)
Ind.	10	9	1	45	38	11
Ia.	35	1,155	6	46	1,288	18
Kans.	9	90	2	14	140	3
Ky.	*	6	-	*	539	1
La.	*	(u)	(u)	*	(u)	(u)
Me.	-	-	-	*	19	-
Md.	*	*	*	*	*	*
Mass.	15	*	1	32	*	1
Mich.	48	144	*	103	309	3
Minn.	98	343	8	179	626	5
Miss.	-	-	-	-	-	-
Mo.	5	30	-	1	9	-
Mont.	3	3	-	4	4	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	*	800	6	*	970	-
N.M.	*	*	*	*	*	*
N.Y.	86	588	8	82	452	5
N.C.	1	3	-	26	78	5
N.D.	-	-	-	2	2	*
Ohio	32	37	-	22 (w)	22	1
Okla.	*	*	*	*	*	*
Ore.	29	63	-	33	67	5
Pa.	170	*	10	315	*	21
R.I.	-	-	-	-	-	-
S.C.	2	9	1	9	40	1
S.D.	*	*	*	*	*	*
Tenn.	26	26	6	124	124	3
Tex.	34	218	6	49	147	-
Utah	43	*	4	19	*	-
Vt.	-	-	-	19	30	3
Va.	27	27	-	53	52	12
Wash.	13	134	2	10	199	-
W. Va.	9	34	-	1 (x)	4	1
Wisc.	97	404	-	166	594	33
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 10-17. VIROLOGY: ANIMAL SOURCE SPECIMENS

	Total Specimens	Total Exams	Total Positives	Specimens	Horses Exams	Positives
Ala.	3	12	-	1	4	-
Alaska	-	-	-	-	-	-
Ariz.	5	29	-	2	11	-
Ark.	-	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	760	774	7	2	4	1
Ga.	254	*	21	18	*	7
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	697	9,229	42	-	-	-
Kans.	31	310	25	-	-	-
Ky.	-	-	-	-	-	-
La.	*	10,441	35	*	33	11
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	5,079	*	182	-	-	-
Mich.	-	-	-	-	-	-
Minn.	2	4	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	*	64,817	38	*	533	5
N.M.	*	*	*	*	*	*
N.Y.	1,635	425	3	1	1	-
N.C.	8	19	4	5	10	4
N.D.	-	-	-	-	-	-
Ohio	4,539	8,676	*	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	1,800	*	-	*	*	-
R.I.	-	-	-	-	-	-
S.C.	88	113	5	3	5	2
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	41,093	728	33	5	50	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	2	*	*	-	-	-
Wash.	80	516	23	2	15	-
W. Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 10-17. VIROLOGY: ANIMAL SOURCE SPECIMENS
(Continued)

	Specimens	Birds Exams	Positives	Specimens	Mosquitoes Exams	Positives
Ala.	2	8	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	1	4	-	-	-	-
Ark.	-	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	2	2	-	756 (y)	768	6
Ga.	13	*	-	216 (z)	*	14
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	697 (y)	9,229	42
Kans.	1	10	-	1	10	*
Ky.	-	-	-	-	-	-
La.	*	5,270 (aa)	23	*	5,080 (y)	*
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	1,319	*	1	2,365	*	8
Mich.	-	-	-	-	-	-
Minn.	2	4	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	*	10,845 (bb)	13	*	31,549 (cc)	14
N.M.	*	*	*	*	*	*
N.Y.	170	170	1	1,362	152 (y)	2
N.C.	3	9	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	2	2	*	4,337 (y)	8,674	*
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	*	*	-	166	166	-
R.I.	-	-	-	-	-	-
S.C.	12	13	1	43 (dd)	86	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	33	66	-	41,028	450	33
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	2	*	*	-	-	-
Wash.	72	489	23	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 10-18. VIROLOGY: OTHER ANIMAL AND MISCELLANEOUS SOURCE SPECIMENS

	Other Animal Source Specimens			Miscellaneous Source Specimens		
	Specimens	Exams	Positives	Specimens	Exams	Positives
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	2	14	-
Ark.	-	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	-	-	-	-	-	-
Ga.	7	*	-	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	2	20	-	27 (ee)	270	25
Ky.	-	-	-	-	-	-
La.	-	-	-	*	58 (ff)	1
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	73	*	1	1,322 (gg)	*	172
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N. H.	-	-	-	-	-	-
N. J.	*	15,090 (hh)	2 (hh)	*	6,800 (ii)	4 (ii)
N. M.	*	*	*	-	-	-
N. Y.	102	102	-	-	-	-
N. C.	-	-	-	-	-	-
N. D.	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	*	*	-	*	*	-
R. I.	-	-	-	-	-	-
S. C.	21	*	1	9	9	1
S. D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	27	162	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	2	6	-	4	6	-
W. Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P. R.	*	*	*	*	*	*
V. I.	-	-	-	-	-	-

TABLE 10-19. VIROLOGY: RABIES

	Specimens	Exams	Positives
Ala.	1,160	7,411	107
Alaska	(JJ)	-	-
Ariz.	1,607	2,954	31
Ark.	1,064	2,128	51
Cal.	*	*	*
Colo.	-	-	-
Conn.	534	1,509	12
Del.	130	390	-
D.C.	105	115	-
Fla.	4,636	9,272	180
Ga.	2,139	4,232	120
Hawaii	10	30	-
Ida.	215	853	1
Ill.	2,989	2,967	66
Ind.	3,129	6,258	24
Ia.	916	7,328	31
Kans.	1,764	1,764	80
Ky.	1,421	3,329	129
La.	*	4,681	126
Me.	239	239	17
Md.	828	1,932	1
Mass.	632	1,730	6
Mich.	2,249	3,462	20
Minn.	1,183	1,852	38
Miss.	648	1,134	5
Mo.	1,341	3,698	46
Mont.	(kk)	-	-
Nebr.	*	*	*
Nev.	-	-	-
N.H.	251	548	1
N.J.	2,174	2,257	17
N.M.	738	1,480	24
N.Y.	2,121	*	229
N.C.	985	1,562	4
N.D.	453	453	35
Ohio	3,164	4,903	60
Okla.	*	*	*
Ore.	312	570	5
Pa.	319	957	3
R.I.	141	420	2
S.C.	593	1,117	-
S.D.	*	*	*
Tenn.	1,999	3,816	62
Tex.	7,661	7,661	290
Utah	158	455	3
Vt.	360	525	75
Va.	1,606	3,683	302
Wash.	291	1,045	4
W.Va.	656	2,652	117
Wisc.	1,894	2,245	43
Wyo.	284	284	18
Guam	220	220	-
P.R.	*	*	*
V.I.	-	-	-

TABLES 10-12 - 10-19. FOOTNOTES

- (a) Also 2,134 of 23,231 genital smears submitted for gonorrhea were reported positive for *Candida* sp.
- (b) Does not include 394 referred cultures for identification.
- (c) Does not include *Candida*, *Geotrichum*, etc. isolated from exudates, body fluids, etc. - (91 isolates).
- (d) In addition, *Candida albicans*, 558 positives; *Torulopsis glabrata*, 48.
- (e) Positives as follows: *Trichophyton* species, 12; *Microsporum* species, 6; *Candida albicans*, 270; other *Candida*, 57; others, 4.
- (f) In addition to 492 clinical specimens, 75 soil samples were examined for *Histoplasma*.
- (g) Includes 62 positives (*Saprophytes*) not shown in breakdown.
- (h) Includes occult blood, 215 exams, 96 positives.
- (i) *P. vivax*.
- (j) Includes all Parasitology.
- (k) Includes 66 examinations for occult blood, 36 of which were positive.
- (l) Represents positives from specimens submitted for gonorrhea.
- (m) Examinations for *Trichomonas* made on all smears for *Neisseria gonorrhoeae*.
- (n) Performed by Bureau of Entomology.
- (o) Usually received as part of gonorrhea-vaginitis kit. Not specified as request for *Trichomonas*.
- (p) Included under gonorrhoeae.
- (q) Referred to the Insect Control Section, Sanitary Engineering Division of the State Board of Health.
- (r) Excluding Rabies, which is in Table 10-19.
- (s) All specimens referred to CDC or Arctic Health Research Center, College, Alaska.
- (t) Figure under "Throat Washings" represents total human source positives.
- (u) Fecal, CSF, Blood, Tissue and Other included with "Throat Washings."
- (v) Tissue Culture Fluids, 157 specimens, 411 exams, 59 positives.
- (w) Fluids.
- (x) Urine.
- (y) Pools.
- (z) Pools by species up to 100 mosquitoes in each.
- (aa) Sentinel chicks included with "Birds."
- (bb) Doa birds, 1,520 exams, 4 positives.
- (cc) Ectoparasite pools (in chicks), 2,725 exams; ectoparasite pools (in mice), 13,064 exams.
- (dd) Pools of 100 each.
- (ee) Sewage.
- (ff) Rat bloods.
- (gg) Encephalitis neutralization.
- (hh) Bats survey specimens, 13,280 exams, 2 positives; caged mammal bloods, 1,810 exams.

TABLES 10-12 - 10-19. FOOTNOTES
(Continued)

- (ii) Non avian (bloods and organs), 1,950 exams, 2 positives; caged W. F. mice specimens, 4,850 exams, 2 positives.
- (jj) 84 specimens accepted and forwarded to Rabies Unit, CDC, through Arctic Health Research Center, College, Alaska.
- (kk) Performed by Livestock Sanitary Board Diagnostic Laboratory at Montana State University in Bozeman.

TABLE 10-20. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS

	Specimens	Exams	Positives (a)
Ala.	395,417 (b)	414,710 (b)	17,724 (b)
Alaska	27,936	28,463	810
Ariz.	65,258	73,909	4,390
Ark.	100,946	106,353	5,011
Cal.	*	*	*
Colo.	*	121,755	3,997
Conn.	106,666	119,687	5,723
Del.	48,179	48,179	2,172
D.C.	172,000	*	20,608
Fla.	766,219	796,948	28,729
Ga.	558,067	570,247	26,861
Hawaii	28,790	28,790	1,708
Ida.	31,777	34,213	1,049
Ill.	347,839	351,833	13,143
Ind.	127,978	132,893	6,409
Ia.	187,650	194,820	6,808
Kans.	112,082	121,090	5,579
Ky.	139,404	137,837	7,803
La.	*	335,720	25,730
Me.	42,440	45,987	2,410
Md.	159,175	183,096	33,960
Mass.	407,094	407,094	7,449
Mich.	345,197	394,543	17,870
Minn.	170,581	190,609	5,970
Miss.	240,630	248,523	7,893
Mo.	65,620	81,166	15,320
Mont.	31,064	31,064	1,393
Nebr.	*	*	*
Nev.	36,410	46,629	4,396
N.H.	47,582	52,236	992
N.J.	232,321	265,960	12,347
N.M.	42,532	51,188	4,868
N.Y.	*	116,266	8,369
N.C.	340,256	371,971	18,658
N.D.	49,151	49,151	679
Ohio	107,611	115,459	8,467
Okla.	*	*	*
Ore.	87,240	91,668	*
Pa.	29,742	33,834	2,811
R.I.	38,705	41,711	2,618
S.C.	312,584	319,306	13,881
S.D.	*	*	*
Tenn.	461,260	461,260	10,816
Tex.	382,383	395,264	40,601
Utah	65,053	70,181	1,691
Vt.	40,350	40,350	505
Va.	193,873	193,873	8,788
Wash.	33,219	36,229	3,459
W.Va.	40,527	40,527	1,778
Wisc.	217,123	229,566	8,224
Wyo.	10,472	11,276	390
Guam	2,255	2,588	630
P.R.	*	*	*
V.I.	10,017	11,415	362

TABLE 10-21. SEROLOGY: EXAMINATIONS OF SPINAL FLUID FOR SYPHILIS

	Specimens	Exams	Positives (a)
Ala.	1,088	1,094	6
Alaska	99	99	*
Ariz.	241	248	3
Ark.	52	74	1
Cal.	*	*	*
Colo.	*	338	3
Conn.	1,240	2,623	10
Del.	123	123	-
D.C.	86	*	6
Fla.	1,025	1,029	5
Ga.	464	415	4
Hawaii	303	303	9
Ida.	204	204	-
Ill.	353	706	4
Ind.	480	871	5
Ia.	1,540	1,550	10
Kans.	382	764	6
Ky.	185	189	4
La.	*	1,667	22
Me.	817	2,451	21
Md.	491	532	53
Mass.	8,059	8,059	45
Mich.	393	437	21
Minn.	3,723	8,272	24
Miss.	34	68	3
Mo.	354	2,076	157
Mont.	4	4	-
Nebr.	*	*	*
Nev.	112	112	-
N.H.	232	269	1
N.J.	555	888	13
N.M.	255	263	17
N.Y.	*	7,586	122
N.C.	1,136	1,136	21
N.D.	350	350	-
Ohio	431	592	14
Okla.	*	*	*
Ore.	171	171	*
Pa.	-	-	-
R.I.	509	893	3
S.C.	63	597	28
S.D.	*	*	*
Tenn.	628	628	10
Tex.	521	546	25
Utah	199	218	2
Vt.	466	466	4
Va.	953	953	39
Wash.	991	1,000	15
W.Va.	56	56	3
Wis.	877	882	12
Wyo.	14	14	-
Guam	-	-	-
P.R.	*	*	*
V.I.	-	-	-

TABLE 10-22. SEROLOGY: BACTERIAL AND MISCELLANEOUS

	Total Specimens	Total Exams	Typhoid			
			H antigen		O antigen	
			Exams	Positives	Exams	Positives
Ala.	239	655	-	-	-	-
Alaska	231	1,030	129	*	129	*
Ariz.	280	667	96	20	96	4
Ark.	779	1,846	257	-	259	-
Cal.	*	*	*	*	*	*
Colo.	372	716	-	-	61	1
Conn.	8,460	11,586	29	10	206	28
Del.	-	-	-	-	-	-
D.C.	*	1,211	*	-	*	1
Fla.	3,319	4,898	-	-	1,310	52
Ga.	5,355	8,658	-	-	1,096	-
Hawaii	998	4,821	74	9	71	5
Ida.	73	720	19	-	19	-
Ill.	15,729	21,831	877	69	877	20
Ind.	837	6,471	70	6	1,444	7
Ia.	14,555	18,029	508	129	508	129
Kans.	1,257	2,398	-	-	-	-
Ky.	662	3,065	531	227	530	226
La.	*	7,921	1,977	38	1,977	40
Me.	1,936	1,445	285	1	285	1
Md.	3,490	4,292	-	-	-	-
Mass.	3,008	*	*	98	*	94
Mich.	4,270	4,490	6	1	6	1
Minn.	*	32,752	1,391	352	1,391	156
Miss.	1,896	4,013	-	-	760	3
Mo.	645	1,031	-	-	-	-
Mont.	558	558	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	*	474	74	8	74	8
N.H.	64	312	62	-	62	-
N.J.	*	5,011	-	-	-	-
N.M.	*	2,579	711	*	711	*
N.Y.	*	6,486	430	*	430	*
N.C.	*	3,772	77	43	77	20
N.D.	*	12,748	2,934	*	2,934	*
Ohio	2,138	4,412	258	16	493	16
Okla.	*	*	*	*	*	*
Ore.	1,280	2,215	197	29	197	29
Pa.	236	*	*	*	*	*
R.I.	*	145	10	-	10	-
S.C.	2,217	4,724	401	45	401	23
S.D.	*	*	*	*	*	*
Tenn.	3,752	3,742	-	-	679	64
Tex.	4,833	4,849	-	-	767	19
Utah	5,812	9,389	19	-	19	-
Vt.	2,550	8,823	850	25	850	30
Va.	8,796	20,006	-	-	2,169	123
Wash.	3,844	5,893	650	34	650	79
W.Va.	453	359	30	2	30	2
Wisc.	17,114	19,582	292	6	292	3
Wyo.	159	1,300	122	17	122	23
Guam	*	34	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	255	279	4	-	4	-

TABLE 10-22. SEROLOGY: BACTERIAL AND MISCELLANEOUS
(Continued)

	Paratyphoid A		Paratyphoid B		Brucella	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	65	2
Alaska	125	*	125	*	132	2
Ariz.	83	6	83	15	82	3
Ark.	132	-	124	-	272	5
Cal.	*	*	*	*	*	*
Colo.	61	10 (c)	61	(c)	110	5
Conn.	26	10	24	4	87	3
Del.	-	-	-	-	-	-
D.C.	*	2	*	6	*	-
Fla.	-	-	-	-	1,310	15
Ga.	-	-	-	-	1,309	14
Hawaii	80	13	77	12	47	7
Ida.	-	-	-	-	542	10
Ill.	-	-	-	-	2,946	52
Ind.	70	-	70	3	1,444	2
Ia.	321	17	321	19	10,126	652
Kans.	-	-	-	-	1,156	2
Ky.	387	76	387	75	364	28
La.	8	1	8	-	1,618	22
Me.	285	-	285	-	271	8
Md.	-	-	-	-	335	45
Mass.	*	2	*	46	*	15
Mich.	6	*	6	*	217	3
Minn.	-	-	1,391	307	4,177	155
Miss.	-	-	-	-	760	1
Mo.	-	-	-	-	371	26
Mont.	-	-	-	-	124	-
Nebr.	*	*	*	*	*	*
Nev.	74	9	74	5	71	1
N.H.	62	-	62	-	62	-
N.J.	-	-	98	-	51	2
N.M.	47	-	47	-	673	-
N.Y.	17	*	17	*	407	*
N.C.	-	-	-	-	430	17
N.D.	-	-	-	-	2,934	*
Ohio	224	4	227	7	417	4
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	202	1
Pa.	*	*	*	*	*	*
R.I.	9	-	11	-	20	-
S.C.	401	-	401	18	395	14
S.D.	*	*	*	*	*	*
Tenn.	132	-	132	6	680	12
Tex.	-	-	-	-	773	41
Utah	-	-	19	-	2,249	4
Vt.	850	4	850	12	850	1
Va.	-	-	2,169	95	4,308	312
Wash.	-	-	-	-	653	27
W.Va.	30	-	30	-	71	-
Wisc.	-	-	292	3	2,861	6
Wyo.	106	-	121	5	128	8
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	4	-	4	-	4	-

TABLE 10-22. SEROLOGY: BACTERIAL AND MISCELLANEOUS
(Continued)

	<u>Pasteurella tularensis</u>		Weil-Felix						
			OX-19		OX-2		OX-K		
			Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	82	13	-	-	-	-	-	-	-
Alaska	119	*	121	*	9	*	9	*	*
Ariz.	17	2	70	5	1	1	-	-	-
Ark.	287	11	185	2	187	-	1	-	-
Cal.	*	*	*	*	*	*	*	*	*
Colo.	67	4	73	3 (d)	73	(d)	73	(d)	(d)
Conn.	15	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-	-
D.C.	*	-	*	-	*	-	*	-	1
Fla.	130	8	130	4	-	-	-	-	-
Ga.	1,093	1	1,171	6	-	-	-	-	-
Hawaii	-	-	28	2	-	-	-	-	-
Ida.	47	3	4	-	4	-	4	-	-
Ill.	1,886	144	767 (e)	73	68	8	68	4	4
Ind.	1,445	64	749	8	84	3	80	1	1
Ia.	50	2	67	33 (d)	67	(d)	67	(d)	(d)
Kans.	1,156	3	-	-	-	-	-	-	-
Ky.	107	9	355	120	182	50	1	-	-
La.	124	14	1,598	8	-	-	-	-	-
Me.	1	1	3	2	3	-	3	-	-
Md.	297	83	-	-	-	-	-	-	-
Mass.	*	-	*	4	*	-	*	1	1
Mich.	53	4	-	-	-	-	-	-	-
Minn.	642	31	802	105	802	101	-	-	-
Miss.	760	1	230	9	-	-	-	-	-
Mo.	370	35	-	-	-	-	-	-	-
Mont.	120	6	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*	*
Nev.	39	*	22	1	23	1	23	1	1
N.H.	2	-	-	-	-	-	-	-	-
N.J.	*	1	1,056	9	1,040	6	528	-	-
N.M.	206	-	22 (d)	-	(d)	-	(d)	-	-
N.Y.	262	*	256	*	6	*	6	*	*
N.C.	430	22	-	-	-	-	-	-	-
N.D.	24	*	27	*	27	*	27	*	*
Ohio	87	-	178	24	163	24	160	11	11
Okla.	*	*	*	*	*	*	*	*	*
Ore.	29	2	-	-	-	-	-	-	-
Pa.	*	*	*	*	*	*	*	*	*
R.I.	4	-	2	-	1	-	1	-	-
S.C.	389	4	32	4	33	-	3	2	2
S.D.	*	*	*	*	*	*	*	*	*
Tenn.	680	9	679	11	-	-	-	-	-
Tex.	778	14	958	75	-	-	-	-	-
Utah	2,249	22	1,389	4	-	-	-	-	-
Vt.	123	6	850	27	850	16	850	1	1
Va.	1,604	31	3,079	338	1,590	131	-	-	-
Wash.	44	16	54	12	54	7	54	-	-
W.Va.	35	1	32	2	4	-	4	-	-
Wisc.	1,581	6	-	-	-	-	-	-	-
Wyo.	143	31	133	20	133	3	133	-	-
Guam	-	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*	*
V.I.	4	-	4	-	-	-	-	-	-

TABLE 10-22. SEROLOGY: BACTERIAL AND MISCELLANEOUS
(Continued)

	<u>Antistreptolysin O</u>		<u>Leptospiral</u>		<u>Other Bacterial</u>	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	508	4	-	-
Alaska	55	14	-	-	39	*
Ariz.	19	13	-	-	1	-
Ark.	-	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	28	16	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	-	-	708	48	-	-
Ga.	-	-	474	24	-	-
Hawaii	-	-	4,165	119	-	-
Ida.	-	-	81	-	-	-
Ill.	240	122	560 (f)	3 (g)	-	-
Ind.	-	-	92	8	86	7
Ia.	201	100	499	25	-	-
Kans.	-	-	63	14	-	-
Ky.	-	-	12	-	-	-
La.	6	-	113	20	-	-
Me.	-	-	24	2	-	-
Md.	776	*	263	*	20	*
Mass.	-	-	-	-	-	-
Mich.	330	12	316	*	-	-
Minn.	812	*	-	-	-	-
Miss.	1,175	-	33	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	(h)	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	138 (i)	-	228	-	-	-
N.M.	131 (j)	*	(j)	*	(j)	*
N.Y.	463	*	355	*	-	-
N.C.	1,062	734	185	22	22	-
N.D.	729	*	-	-	-	-
Ohio	-	-	233 (k)	10	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	468	3	2	2
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	61	-	58	17	72	8 (1)
S.D.	*	*	*	*	*	*
Tenn.	-	-	123	-	-	-
Tex.	172	55	659	99	-	-
Utah	-	-	30	-	-	-
Vt.	-	-	200	12	-	-
Va.	458	438	290	4	-	-
Wash.	2,479	*	150	2	-	-
W.Va.	22	14	12	-	-	-
Wisc.	3,713	260	*	9	-	-
Wyo.	-	-	-	-	-	-
Guam	19	12	-	-	1	-
P.R.	*	*	*	*	*	*
V.I.	97	-	-	-	-	-

TABLE 10-22. SEROLOGY: BACTERIAL AND MISCELLANEOUS
(Continued)

	<u>Infectious Mononucleosis</u>		<u>Cold Agglutination</u>		<u>C-Reactive Protein</u>	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-
Alaska	38	10	-	-	-	-
Ark.	119	11	-	-	-	-
Cal.	142	11	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	82	12	27	14	-	-
Conn.	8,238 (m)	2,127	2,961	70	-	-
Del.	-	-	-	-	-	-
D.C.	724	160	-	-	80	*
Fla.	1,310	118	-	-	-	-
Ga.	3,507	1,458	8	2	-	-
Hawaii	277	50	2	-	-	-
Ida.	-	-	-	-	-	-
Ill.	13,542	2,700	-	-	-	-
Ind.	837	84	-	-	-	-
Ia.	4,919	1,066	-	-	213	50
Kans.	23	6	-	-	-	-
Ky.	209	112	-	-	-	-
La.	487	199	-	-	5	-
Me.	*	566	-	-	-	-
Md.	1,757	160	-	-	28	28
Mass.	*	415	-	-	-	-
Mich.	3,547	*	3	*	-	-
Minn.	18,277	10,741	2,254	558	813	213
Miss.	295	21	-	-	-	-
Mo.	290	78	-	-	-	-
Mont.	314	101	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	*	4	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	1,818 (1)	137	54	6	-	-
N.M.	31	*	-	-	-	-
N.Y.	2,311	*	-	-	499	*
N.C.	741	99	-	-	530	254
N.D.	2,874	*	95	16	3	*
Ohio	650	188	758	147	-	-
Okla.	*	*	*	*	*	*
Ore.	1,120	140	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	77	13	-	-	-	-
S.C.	2,077	357	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	348	77	289	17	-	-
Tex.	272	71	-	-	-	-
Utah	3,246	163	169	6	-	-
Vt.	1,700	425	-	-	-	-
Va.	4,339	1,006	-	-	-	-
Wash.	1,069	145	-	-	-	-
W.Va.	59	18	*	*	*	*
Wisc.	5,117	1,556	887	76	1,681	280
Wyo.	159	16	-	-	-	-
Guam	-	-	-	-	10	1
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	101	-

TABLE 10-22. SEROLOGY: BACTERIAL AND MISCELLANEOUS
(Continued)

	<u>Rheumatoid Disease</u>		<u>Other</u>	
	Exams	Positives	Exams	Positives
Ala.	-	-	-	-
Alaska	-	-	-	-
Ariz.	-	-	-	-
Ark.	-	-	-	-
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	-	-	-	-
Del.	-	-	-	-
D.C.	-	-	407	*
Fla.	-	-	-	-
Ga.	-	-	-	-
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill.	-	-	-	-
Ind.	-	-	-	-
Ia.	162	17	-	-
Kans.	-	-	-	-
Ky.	-	-	-	-
La.	-	-	-	-
Me.	-	-	-	-
Md.	269	*	547 (n)	*
Mass.	-	-	-	-
Mich.	-	-	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	-	-	-	56 (o)
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	-	-
N.M.	-	-	-	-
N.Y.	1,027	*	-	-
N.C.	-	-	218 (p)	104
N.D.	-	-	140 (q)	*
Ohio	-	-	564 (r)	323
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	-	-	470	19
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	36	1	-	-
W. Va.	*	*	*	*
Wisc.	2,855	258	11	11
Wyo.	-	-	-	-
Guam	4	-	-	-
P.R.	*	*	*	*
V.I.	53	3	-	-

TABLES 10-20 - 10-22. FOOTNOTES

- (a) Weakly reactive or above.
- (b) Includes VDRL check specimens, 240 specimens, 316 exams, 76 positives.
- (c) Paratyphoid B included with Paratyphoid A.
- (d) OX-K and OX-2 included with OX-19.
- (e) Figure includes initial screen test, as well as specific OX-19.
- (f) Undiluted.
- (g) Screen test. Positives referred for confirmation.
- (h) Referred to Rocky Mountain labs.
- (i) Discontinued this FY.
- (j) "Leptospiral" and "Other" included with "Antistreptolysin O."
- (k) Pools.
- (l) Salmonella.
- (m) Includes experimental - Infectious Mononucleosis, 1,223 exams.
- (n) Thyroid, Lupus - antinuclear antibodies.
- (o) Performed by another laboratory.
- (p) Mycoplasma pneumoniae CF.
- (q) Eaton agent.
- (r) Streptococcus MG Agglutination.

TABLE 10-23. SEROLOGY: FUNGAL

	Total Specimens	Total Exams	Total Positives	Blastomycosis		Coccidioidomycosis	
				Exams	Positives	Exams	Positives
Ala.	1,519	7,402	287	1,519	95	1,519	4
Alaska	(a)	-	-	-	-	-	-
Ariz.	10,387	13,388	2,083	-	-	12,353	1,904
Ark.	1,552	6,208	678	1,552	270	1,552	2
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-
D.C.	(a)	-	-	-	-	-	-
Fla.	-	-	-	-	-	-	-
Ga.	629	2,516	48	629	23	629	2
Hawaii	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-
Ill.	4,411	13,951	1,384	2,526	216	2,526	16
Ind.	1,219	3,724	354	1,219	65	67	1
Ia.	621	2,616	305	654	64	654	6
Kans.	373	1,492	44	373	29	373	-
Ky.	1,744	7,281	701	1,816	172	1,604	10
La.	*	2,773	305	698	119	698	25
Me.	-	-	-	-	-	-	-
Md.	2,487	4,939	*	1,172	*	1,172	*
Mass.	-	-	-	-	-	-	-
Mich.	1,618	6,472	*	1,618	*	1,618	*
Minn.	936	4,232	830	978	161	972	18
Miss.	1,639	4,999	499	1,639	140	82	1
Mo.	1,517	6,238	469	1,544	96	1,541	7
Mont.	*	2	-	(b)	-	(b)	-
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	(a)	-	-	-	-	-	-
N.Y.	*	2,992	*	1,121	*	304	*
N.C.	*	1,950	130	560	47	270	2
N.D.	-	-	-	-	-	-	-
Ohio	3,462	8,974	2,014	1,036	315	1,037	166
Okla.	*	*	*	*	*	*	*
Ore.	106	424	6	106	-	106	-
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	767	2,057	202	214	11	214	1
S.D.	*	*	*	*	*	*	*
Tenn.	2,996	5,992	539	-	-	-	-
Tex.	3,281	13,119	648	3,280	226	3,279	39
Utah	-	-	-	-	-	-	-
Vt.	64	256	9	64	1	64	-
Va.	1,391	5,564	237	1,391	68	1,391	4
Wash.	-	-	-	-	-	-	-
W.Va.	107	260	31	81	6	82	-
Wisc.	839	2,021	111	591	9	591	4
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 10-23. SEROLOGY: FUNGAL
(Continued)

	<u>Histoplasmosis</u>		<u>Other</u>	
	Exams	Positives	Exams	Positives
Ala.	3,038	160	1,326	28
Alaska	-	-	-	-
Ariz.	976	168	59	11
Ark.	3,104 (c)	406 (c)	-	-
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	-	-	-	-
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	-	-	-	-
Ga.	1,258	23	-	-
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill.	8,822 (d)	1,132 (d)	77 (e)	20 (e)
Ind.	2,438	288	-	-
Ia.	1,308 (f)	235 (f)	-	-
Kans.	746 (g)	15 (g)	-	-
Ky.	3,861	519	-	-
La.	1,377	161	-	-
Me.	-	-	-	-
Md.	2,595 (h)	*	-	-
Mass.	-	-	-	-
Mich.	3,236	*	-	-
Minn.	2,282	651	-	-
Miss.	3,278	358	-	-
Mo.	3,153	366	-	-
Mont.	(b)	-	2 (i)	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	-	-
N.M.	-	-	-	-
N.Y.	1,121	*	446	*
N.C.	1,120	81	-	-
N.D.	-	-	-	-
Ohio	6,901	1,533	-	-
Okla.	*	*	*	*
Ore.	212	6	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	1,629	190	-	-
S.D.	*	*	*	*
Tenn.	5,992	539	-	-
Tex.	3,281	282	3,279	101
Utah	-	-	-	-
Vt.	128	8	-	-
Va.	2,782	165	-	-
Wash.	-	-	-	-
W.Va.	97	25	-	-
Wisc.	839	98 (j)	-	-
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	-	-	-	-

TABLE 10-24. SEROLOGY: PARASITOLOGICAL

	Total Specimens	Total Exams	Total Positives	Trichinosis		Toxoplasmosis	
				Exams	Positives	Exams	Positives
Ala.	211	501	19	2	-	499	19
Alaska	(a)	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	99	97	31	18	5	79	26
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	415	415	134	62	9	353	125
Del.	-	-	-	-	-	-	-
D.C.	(a)	-	-	-	-	-	-
Fla.	466	466	215	-	-	466	215
Ga.	524	524	244	-	-	524	244
Hawaii	10	10	1	10	1	-	-
Ida.	-	-	-	-	-	-	-
Ill.	1,188	1,188	412	(a)	-	1,188	412
Ind.	207	207	85	54	24	153	61
Ia.	712	1,708 (k)	103 (k)	58	6	1,638	96
Kans.	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-
La.	*	395	129	(a)	-	395	129
Me.	53	53	13	-	-	53	13
Md.	1,444	2,558	*	25	*	2,533	*
Mass.	-	-	-	-	-	-	-
Mich.	24	48	*	48	*	-	-
Minn.	672	883	223	-	-	883	223
Miss.	-	-	-	-	-	-	-
Mo.	149	392	42	125	6	267	36
Mont.	30	30	2	2	-	28	2
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	*	446	74	446	74	-	-
N.M.	(a)	-	-	-	-	-	-
N.Y.	*	2,575	*	161	*	2,414	*
N.C.	*	1,180	270	-	-	1,180	270
N.D.	-	-	-	-	-	-	-
Ohio	873	873	153	74	22	799	131
Okla.	*	*	*	*	*	*	*
Ore.	239	239	44	16	2	223	42
Pa.	935	935	277	*	4	*	273
R.I.	-	-	-	-	-	-	-
S.C.	139	139	34	-	-	139	34
S.D.	*	*	*	*	*	*	*
Tenn.	253	253	33	-	-	253	33
Tex.	1,817	1,817	603	-	-	1,817	603
Utah	-	-	-	-	-	-	-
Vt.	45	45	5	6	1	39	4
Va.	198	198	-	198	-	-	-
Wash.	4	4	1	4	1	-	-
W.Va.	77 (1)	77	16	11	-	66	16
Wisc.	786	634	195	*	-	634	195
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 10-25. SEROLOGY: VIRAL AND RICKETTSIAL

	Total Specimens	Total Exams	Total Positives	Complement Fixation		HAdI	
				Exams	Positives	Exams	Positives
Ala.	2,439	16,959	91	14,566	75	2,393	16
Alaska	(a)	-	-	-	-	-	-
Ariz.	1,514	4,801	63	4,283	53	518	10
Ark.	298	807	108	744	68	63	40
Cal.	*	*	*	*	*	*	*
Colo.	18,604	15,939	11,639	2,643	154	13,274	11,483
Conn.	8,216	34,417 (m)	343	30,396	213	1,974	102
Del.	(n)	-	-	-	-	-	-
D.C.	*	1,891	689	1,891	689	-	-
Fla.	8,848	22,670	3,230	11,799	2,264	10,857	956
Ga.	8,250	15,122	2,598	9,677	214	2,855	2,190
Hawaii	10,163	10,163	467	5,855	157	4,248	303
Ida.	590	3,489	137	3,366	137	123	-
Ill.	113	33,808 (o)	454	20,006	218	12,181	221
Ind.	1,332	6,334	81	5,987	69	295	8
Ia.	8,688	20,892	7,884	11,703	1,948	6,730	5,858
Kans.	4,534	8,429	1,983	2,720	454	5,693	1,521
Ky.	830	2,513	391	1,770	91	509	298
La.	*	6,860	4,422	528	210	5,937	4,083
Me.	6,099	5,330	45	6	3	5,317	39
Md.	54,742	55,348	*	5,696	*	48,330	*
Mass.	*	21,420	97	16,129	84	4,791 (p)	13
Mich.	1,553	13,977	106	13,977	106	-	-
Minn.	1,183	20,209	8,134	8,586	3,663	8,636	3,809
Miss.	293	305	-	305	-	-	-
Mo.	4,170	9,462	123	3,112	7	3,608	21
Mont.	2,020	2,182	1,037	792	164	1,252	870
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	*	868,939	9,004	673,141 (q)	1,675	153,259	6,799
N.M.	*	7,959	24	*	*	*	*
N.Y.	*	10,166	403	6,631	147	1,308	82
N.C.	*	13,605 (r)	8,626	3,287	662	9,699	7,849
N.D.	*	1,411	*	885	*	526	*
Ohio	3,867	20,739	3,638	10,949	2,951	9,790	687
Okla.	*	*	*	*	*	*	*
Ore.	3,944	16,852	2,595	9,485	334	7,366	2,261
Pa.	4,483	35,906	450	35,059	385	100 (p)	-
R.I.	*	5,684	4,678	20	-	5,664	4,678
S.C.	2,171	9,710	8,218	957	408	8,753	7,810
S.D.	*	*	*	*	*	*	*
Tenn.	2,636	7,651	117	6,761	59	765	58
Tex.	6,732	9,272	2,051	2,113	1,313	3,121	501
Utah.	1,030	857	83	82	4	599	70
Vt.	401	2,021	198	1,639	28	382	170
Va.	5,946	2,602	1,152	1,593	413	1,008	738
Wash.	3,643	6,909	111	5,076	111 (s)	1,833	*
W.Va.	191	1,062	31	1,062	31	-	-
Wisc.	4,964	17,957	268	15,636	147	2,152	107
Wyo.	3,648	3,648	3,140	-	-	3,648	3,140
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 10-25. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Neutralization		FA	
	Exams	Positives	Exams	Positives
Ala.	-	-	-	-
Alaska	-	-	-	-
Ariz.	-	-	-	-
Ark.	-	-	-	-
Cal.	*	*	*	*
Colo.	22	2	-	-
Conn.	2,014	25	-	-
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	14	10	-	-
Ga.	451	74	2,139	120
Hawaii	60	7	-	-
Ida.	-	-	-	-
Ill.	1,395	-	-	-
Ind.	52	4	-	-
Ia.	2,459	78	-	-
Kans.	16	8	-	-
Ky.	234	2	-	-
La.	-	-	395	129
Me.	-	-	7	3
Md.	1,322	*	-	-
Mass.	*	-	500	-
Mich.	-	-	-	-
Minn.	1,808	624	1,179	38
Miss.	-	-	-	-
Mo.	60	3	2,682	92
Mont.	138	3	-	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	36,917	237	5,622	293
N.M.	*	*	752	24
N.Y.	2,107	170	120	4
N.C.	52	35	-	-
N.D.	-	-	-	-
Ohio	-	-	-	-
Okla.	*	*	*	*
Ore.	1	-	-	-
Pa.	747 (t)	65	-	-
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	*	*	*	*
Tenn.	125	-	-	-
Tex.	-	-	4,038	237
Utah	18	6	158	3
Vt.	-	-	-	-
Va.	1	1	-	-
Wash.	-	-	-	-
W.Va.	-	-	-	-
Wisc.	169	14	-	-
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	-	-	-	-

TABLE 10-26. SEROLOGY: BLOOD FACTOR ANTIBODY AND SERUM ELECTROPHORESIS

	Specimens	Rh Antibody	Other Exams	Serum Electrophoresis
Ala.	-	-	-	-
Alaska	-	-	-	-
Ariz.	-	-	-	-
Ark.	-	-	-	-
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	-	-	-	-
Del.	-	-	-	-
D. C.	*	154	-	-
Fla.	475	475	475	5,387
Ga.	(u)	636	13,159 (v)	-
Hawaii	-	-	-	-
Ida.	*	-	1,891 (w)	-
Ill.	-	-	-	-
Ind.	-	-	-	-
Ia.	-	-	-	-
Kans.	-	-	-	-
Ky.	12,302	9,797	14,175	-
La.	-	-	-	-
Me.	-	-	-	15 (x)
Md.	4,295	4,295	-	-
Mass.	-	-	-	-
Mich.	129	387	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	*	26	-	-
N.M.	-	-	-	-
N.Y.	-	-	-	-
N.C.	-	-	-	-
N.D.	-	-	-	-
Ohio	-	-	-	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	*	*	*	*
Tenn.	330	330	-	-
Tex.	-	-	-	-
Utah	-	-	-	2,000
Vt.	984	2,952	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W.Va.	-	-	-	-
Wisc.	10,339	10,339	-	-
Wyo.	-	-	-	-
Guam	-	-	-	-
P. R.	*	*	*	*
V. I.	-	-	-	-

TABLES 10-23 - 10-26. FOOTNOTES

- (a) Referred to CDC.
- (b) Referred to CDC. Blastomycosis, 16 exams; Coccidioidomycosis, 20 exams; Histoplasmosis, 28 exams.
- (c) Mycelial phase, 1,552 exams, 281 positives; yeast phase, 1,552 exams, 125 positives.
- (d) Figures include tests with mycelial and yeast phase antigens.
- (e) Aspergillosis and sporotrichosis reported on investigative basis.
- (f) Mycelial phase, 654 exams, 56 positives; yeast phase, 654 exams, 179 positives.
- (g) Yeast phase, 373 exams, 9 positives; mycelial phase, 373 exams, 6 positives.
- (h) Gel diffusion, histoplasmosis, and yeast.
- (i) Cryptococcus.
- (j) Mycelial phase, 30; yeast phase, 68.
- (k) Includes 12 exams, 1 positive not shown in further breakdown.
- (l) In addition, 81 referred to CDC.
- (m) Includes 33 gel diffusion exams with 3 positives.
- (n) All Viral and Rickettsial exams are done by the New Jersey State Laboratory.
- (o) Includes 226 RMSF and Typhus exams, with 15 positives, not shown in further breakdown.
- (p) Rubella.
- (q) Hepatitis, 624,019 exams, 1,090 positives; CNS, 49,122 exams, 585 positives.
- (r) Includes Murine Typhus, 75 exams, 2 positives; RMSF, 463 exams, 39 positives; Q Fever, 29 exams, 39 positives.
- (s) Number of positives given only for those specimens tested in pairs; therefore, titers of single specimens are not counted.
- (t) Arbovirus activity.
- (u) Specimens included with Syphilis, Blood.
- (v) Includes Indirect Coombs, 13,111 exams and Rh Antibody titration, 48.
- (w) Rubella HI.
- (x) IEOP.

TABLE 10-27. HEMATOLOGY OR BLOOD BANK

	Total Specimens	Total Exams	Cell Counts	Smears, "L-E" Cells	Smears, Sickle Cells	Erythrocyte Vol. (hematocrit)	Erythrocyte Sed. Rate
Ala.	-	-	-	-	-	-	-
Alaska	4,619	8,910	-	-	-	-	-
Ariz.	5,381	10,669	1	-	-	1	-
Ark.	52	86	7	-	-	7	-
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-
Del.	168	366	40	-	8	150	-
D.C.	26,020	94,518	26,020	-	3,000	26,720	100
Fla.	44,791	44,791	32	-	-	1,303	7
Ga.	(a)	190,627	-	-	-	-	-
Hawaii	5 (b)	2,131	5	-	-	-	-
Ida.	1,118	2,116	-	-	-	1,092	1,024
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	258	258	-	-	-	-	-
La.	*	2,401	613	-	3	-	6
Me.	9,493	11,165	-	-	-	-	-
Md.	22,321	89,212	17,265	1	485	19,523	1,273
Mass.	-	-	-	-	-	-	-
Mich.	7,261	53,619	12,645	-	-	5,040	1,270
Minn.	-	-	-	-	-	-	-
Miss.	22,037	36,002	3,761	-	419	1,321	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	*	3,532	561	-	8	787	14
N.H.	5,654	16,652	5,586	12	-	5,421	44
N.J.	*	9,236	970	-	-	3,150	6
N.M.	*	1,925	-	-	-	-	-
N.Y.	*	26,022	42	-	500	1,000	100
N.C.	323	323	-	-	-	101	-
N.D.	*	16,763	-	-	-	-	-
Ohio	3,918	5,261	-	-	-	-	-
Okla.	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-
Pa.	-	-	-	-	-	-	-
R. I.	-	-	-	-	-	-	-
S.C.	*	34,775	1,329	-	55	4,164	-
S.D.	*	*	*	*	*	*	*
Tenn.	21,790	43,285	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	400	2,000	400	400	-	400	400
Vt.	*	6,500	-	-	-	-	-
Va.	*	7,488	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W. Va.	180	625	176	-	-	65	3
Wisc.	30,184	30,184	219	28	-	-	-
Wyo.	-	-	-	-	-	-	-
Guam	3,703	8,704	956	1	-	2,711	69
P.R.	*	*	*	*	*	*	*
V. I.	-	-	-	-	-	-	-

TABLE 10-27. HEMATOLOGY OR BLOOD BANK
(Continued)

	Hemoglobin	Blood Group (ABO)	Blood Type (Rh)	Other
Ala.	-	-	-	-
Alaska	-	4,291	4,619	-
Ariz.	1	5,333	5,333	-
Ark.	7	1	64	-
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	-	-	-	-
Del.	168	-	-	-
D.C.	30,720	3,979	3,979	-
Fla.	28,505	369	14,575	-
Ga.	-	95,315	95,312	-
Hawaii	4	814	1,308	-
Ida.	-	-	-	-
Ill.	-	-	-	-
Ind.	-	-	-	-
Ia.	-	-	-	-
Kans.	-	-	-	-
Ky.	258	-	-	-
La.	769	-	-	1,010 (c)
Me.	-	1,187	9,978	-
Md.	20,043	7,470	20,969	2,183 (d)
Mass.	-	-	-	-
Mich.	15,529	8,085	10,872	178
Minn.	-	-	-	-
Miss.	19,413	1,225	9,863	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	*	*	*	*
Nev.	588	787	787	-
N.H.	5,589	-	-	-
N.J.	4,600	295	215	-
N.M.	-	950	975	-
N.Y.	1,000	9,644	9,644	4,092 (e)
N.C.	222	-	-	-
N.D.	-	5,772	10,991	-
Ohio	2,540	1,378	1,343	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	956	12,555	15,273	443
S.D.	*	*	*	*
Tenn.	-	21,495	21,790	-
Tex.	-	-	-	-
Utah	400	-	-	-
Vt.	-	-	6,500	-
Va.	-	3,744	3,744	-
Wash.	-	-	-	-
W.Va.	191	-	-	190 (f)
Wisc.	-	-	19,538	10,399 (g)
Wyo.	-	-	-	-
Guam	2,656	678	678	955
P.R.	*	*	*	*
V.I.	-	-	-	-

TABLE 10-28. PATHOLOGIC ANATOMY

	Total Specimens	Total Exams	Cytology, Exfoliative	Cytology, Chromosome	Tissue, Human, Micro.	Tissue, Animal, Micro.	Tissue, Gross
Ala.	18,430 (h)	36,741	36,741	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-
Del.	51,151	51,151	51,151	-	-	-	-
D.C.	24,516	51,847	48,690	-	241	2,916	-
Fla.	-	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-
La.	*	10,831	1,597	-	4,617	-	4,617
Me.	-	-	-	-	-	-	-
Md.	33,872 (i)	33,795	33,795	-	-	-	-
Mass.	-	-	-	-	-	-	-
Mich.	-	-	-	-	-	-	-
Minn.	176	704	-	704	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	387	1,839	1,839	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	12,426	*	*	*	*	*	*
N.C.	127,296	127,296	127,296	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*
Ore.	6	6	-	-	-	-	6
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W.Va.	10,295	17,810	17,810	-	-	-	-
Wisc.	128,370	128,370	115,711	488	12,099	72	-
Wyo.	-	-	-	-	-	-	-
Guam	4,297	4,297	4,297	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	163	198	168	30	-	-	-

TABLE 10-29. SANITARY BACTERIOLOGY: TOTAL SPECIMENS AND EXAMS

	Total Specimens	Total Exams
Ala.	112,901	276,918
Alaska	14,363	15,790
Ariz.	35,435	45,241
Ark.	33,406	37,621
Cal.	*	*
Colo.	25,911	41,142
Conn.	35,957	75,368
Del.	9,114	32,628
D.C.	6,670	33,985
Fla.	155,040	194,938
Ga.	21,142	67,481
Hawaii	12,406	18,044
Ida.	28,865	44,673
Ill.	105,470	139,026
Ind.	48,658	61,622
Ia.	46,973	155,632
Kans.	59,887	106,257
Ky.	29,909	60,366
La.	*	228,320
Me.	18,328	18,416
Md.	67,788	112,122
Mass.	68	*
Mich.	92,132	123,246
Minn.	(j)	-
Miss.	57,715	81,970
Mo.	63,695	87,434
Mont.	12,609	16,536
Nebr.	*	*
Nev.	17,287	29,758
N.H.	-	-
N.J.	14,129	21,640
N.M.	30,097	49,458
N.Y.	33,520	73,379
N.C.	30,433	110,690
N.D.	19,165	37,496
Ohio	53,758	54,056
Okla.	*	*
Ore.	40,576	51,396
Pa.	39,343	39,343
R.I.	2,968	5,867
S.C.	57,289	71,601
S.D.	*	*
Tenn.	54,624	88,796
Tex.	282,592	603,033
Utah	20,240	27,207
Vt.	12,700	12,670
Va.	51,202	68,058
Wash.	12,577	31,689
W.Va.	23,607	33,186
Wisc.	53,703	54,083
Wyo.	7,693	8,327
Guam	1,279	4,486
P.R.	*	*
V.I.	3,092	7,716

TABLE 10-30. SANITARY BACTERIOLOGY: WATER

	Drinking Water		Swimming Pools		Waste Water	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	43,074	59,074	1,333	2,453	837	2,299
Alaska	12,857	13,033	509	987	300	333
Ariz.	31,112	31,895	237	237	114	104
Ark.	28,850 (k)	26,050 (k)	(k)	(k)	(k)	(k)
Cal.	*	*	*	*	*	*
Colo.	17,344	21,878	2,340	*	2,660	4,379
Conn.	5,731	6,050	331	662	342	344
Del.	2,920 (1)	3,492 (1)	(1)	(1)	-	-
D.C.	706	1,413	384	384	-	-
Fla.	99,909	99,909	14,438	14,438	13,781	27,562
Ga.	-	-	-	-	-	-
Hawaii	5,216	5,216	2,762	3,302	124	239
Ida.	16,850	17,434	1,251	2,616	3,403	5,672
Ill.	70,559	67,284	12,089 (m)	29,226	12,687 (n)	15,649
Ind.	28,597	28,617	4,638	8,210	4,093	7,213
Ia.	33,387	88,307	1,400	3,500	3,229	20,625
Kans.	34,339	34,339	2,146	2,146	4,014 (o)	12,344
Ky.	18,689 (1)	21,602 (1)	(1)	(1)	-	-
La.	-	-	-	-	-	-
Me.	17,650	17,650	650	650	-	-
Md.	29,609	35,790	3,234	6,024	1,646	2,199
Mass.	-	-	-	-	-	-
Mich.	60,750	64,900	4,131	8,148	19,271	25,454
Minn.	-	-	-	-	-	-
Miss.	29,603	29,681	-	-	1	1
Mo.	56,420	57,114	1,152	1,136	169	1,316
Mont.	10,964 (p)	14,841	-	-	429 (q)	429
Nebr.	*	*	*	*	*	*
Nev.	14,153	17,324	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	7,125	10,604	62	62	3,588	3,588
N.M.	22,754 (k)	24,324 (k)	(k)	(k)	(k)	(k)
N.Y.	26,677	53,354	928	2,784	403	806
N.C.	30,144	109,257	213	852	27	91
N.D.	4,789	4,789	461	922	-	-
Ohio	53,036	53,036	422	422	8	8
Okla.	*	*	*	*	*	*
Ore.	36,652	41,386	361	542	3,563	9,468
Pa.	33,498	33,498	5,837	5,837	-	-
R.I.	-	-	-	-	-	-
S.C.	29,675	30,676	9,817	11,126	-	-
S.D.	*	*	*	*	*	*
Tenn.	19,562	19,562	5,522	5,522	-	-
Tex.	178,024	253,662	*	*	*	*
Utah	16,453	19,999	2,053	4,065	1,729	3,111
Vt.	*	12,300	*	300	*	<10
Va.	43,386	43,386	-	-	-	-
Wash.	9,882	17,741	324	644	1,606	11,741
W. Va.	16,147	16,147	1,629	1,629	1,003	2,991
Wisc.	45,418	45,418	995	995	6,310	6,310
Wyo.	7,114	7,454	209	219	370	654
Guam	205	1,112	65	151	-	-
P.R.	*	*	*	*	*	*
V.I.	1,458	2,916	-	-	228	496

TABLE 10-31. SANITARY BACTERIOLOGY: DAIRY PRODUCTS

	Milk and Cream		Frozen Desserts		Other Dairy Products	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	33,539	120,542	30,284	82,425	1,549	3,133
Alaska	325	826	109	218	-	-
Ariz.	2,854	11,158	-	-	810	813
Ark.	3,720	6,198 (r)	134	(r)	160	(r)
Cal.	*	*	*	*	*	*
Colo.	3,443	14,885	-	-	-	-
Conn.	19,593	52,073	1,239	2,478	1,215	3,239
Del.	1,041	3,614	-	-	-	-
D.C.	2,449	4,898	127	254	-	-
Fla.	17,309	34,618	3,061	6,122	2,094	4,188
Ga.	20,418	66,837 (s)	62	186	382	(s)
Hawaii	1,953	4,409	1,203	2,406	23	23
Ida.	5,340	14,560	-	-	216 (t)	216
Ill.	8,667	23,647	1,362	2,690	-	-
Ind.	8,255	11,038	1,566	3,936	714	1,594
Ia.	7,751	40,265	185	925	117	468
Kans.	14,552	44,202	1,686	5,052	2,739	7,167
Ky.	10,426	28,350	-	-	-	-
La.	*	166,847 (r)	*	(r)	*	(r)
Me.	-	-	-	-	-	-
Md.	13,090	28,177	3,134	6,248	839	1,667
Mass.	-	-	-	-	-	-
Mich.	5,276	21,560	47	141	-	-
Minn.	-	-	-	-	-	-
Miss.	27,201 (r)	50,476 (r)	(r)	(r)	(r)	(r)
Mo.	4,429	18,588	-	-	109	256
Mont.	-	-	900	950	300 (u)	300
Nebr.	*	*	*	*	*	*
Nev.	3,084 (r)	12,099 (r)	(r)	(r)	(r)	(r)
N.H.	-	-	-	-	-	-
N.J.	1,192	2,384	-	-	836	1,672
N.M.	6,101 (r)	20,473 (r)	(r)	(r)	(r)	(r)
N.Y.	5,355	16,065	-	-	-	-
N.C.	-	-	-	-	-	-
N.D.	7,954	23,862	1,962	3,924	-	-
Ohio	203	436	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	47	94
S.C.	13,998	19,824	485	1,470	291	450
S.D.	*	*	*	*	*	*
Tenn.	23,297	57,035	-	-	-	-
Tex.	104,399	343,231	*	*	*	*
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	4,437	15,461	3,143	8,551	210	634
Wash.	132	570	52	104	-	-
W.Va.	4,596	12,095 (r)	-	-	207	262
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	598	1,794	198	594	-	-
P.R.	*	*	*	*	*	*
V.I.	632	2,139	61	180	-	-

TABLE 10-32. SANITARY BACTERIOLOGY: FOODS

	Food Poisoning		Food Quality		Beverages	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	72	750	436	998	-	-
Alaska	22	57	47	141	-	-
Ariz.	259	985	-	-	-	-
Ark.	25	221	252	4,887	-	-
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	354	727	21	139	13	25
Del.	104 (w)	936 (w)	-	-	-	-
D.C.	-	-	3,004	27,036	-	-
Fla.	459	1,836	726	2,904	(x)	(x)
Ga.	72	152	-	-	-	-
Hawaii	128	452	58	70	25	25
Ida.	44	51	343	864	-	-
Ill.	106	530	-	-	-	-
Ind.	62	178	156	236	529	539
Ia.	68	544	-	-	-	-
Kans.	-	-	154	493	-	-
Ky.	-	-	243	5,983	-	-
La.	*	131	*	3,176 (y)	*	(y)
Me.	15	90	-	-	-	-
Md.	51	179	723	1,629	-	-
Mass.	68	*	-	-	-	-
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	9	18	-	-	-	-
Mo.	12	396	60	1,259	1,238	7,236
Mont.	16	16	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	50	335	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	40	115	412	824	-	-
N.M.	*	(z)	*	3,419 (z)	-	-
N.Y.	-	-	71	284	-	-
N.C.	49 (aa)	490	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	89	154	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	8	8	-	-	-	-
R.I.	47	235	2,396	4,792	-	-
S.C.	-	-	1,088	5,359	-	-
S.D.	*	*	*	*	*	*
Tenn.	217	651	-	-	-	-
Tex.	89	2,715	80	3,425	*	*
Utah	5	32	-	-	-	-
Vt.	*	<20	*	<20	*	<10
Va.	26	26	-	-	-	-
Wash.	264	488	10	10	-	-
W. Va.	-	-	-	-	-	-
Wisc.	173	173	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	32	260	8	34	168	504
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLES 10-27 - 10-32. FOOTNOTES

- (a) Specimens included with Syphilis, Blood.
- (b) Other specimens were counted under Syphilis, Blood.
- (c) Color Index, 306; Differential Count, 322; PCV, 382.
- (d) Hematology.
- (e) Rh sensitization.
- (f) Differential WBC.
- (g) BFA.
- (h) Patients.
- (i) Includes 4,455 cervical irrigation specimens.
- (j) Performed by Section of Analytical Laboratories, Division of Environmental Health.
- (k) "Swimming Pools" and "Waste Water" included with "Drinking Water" total.
- (l) "Swimming Pools" included with "Drinking Water" total.
- (m) Swimming Pools and Bathing Beaches.
- (n) Waste Water and Streams.
- (o) Water treatment plant influent, 1,396; water in process of treatment, 1,190; stream survey - fish kill investigation, 1,428.
- (p) Public supplies, 8,597; private supplies, 1,648; government and schools, 719.
- (q) Stream pollution.
- (r) "Frozen Desserts" and "Other Dairy Products" included with "Milk and Cream" total.
- (s) "Other Dairy Products" included with "Milk and Cream."
- (t) Dry milk.
- (u) Grade B mfg. milk.
- (v) Includes abnormal milk examinations.
- (w) Represents Food Contamination - "Beverages" and "Frozen Desserts."
- (x) "Beverages" included in "Drinking Water" (Chemistry and Bacteriology).
- (y) "Beverages" and "Sea Food" included with "Food Quality."
- (z) "Food Poisoning" included with "Food Quality."
- (aa) Specimens for food poisoning include a variety of foods suspected of being vehicles of bacterial food-borne diseases. A rough average of ten examinations are performed on each specimen when the number of examinations is computed like that for enteric bacteriology.

TABLE 10-33. SANITARY BACTERIOLOGY: SEA FOODS AND MISCELLANEOUS

	Sea Foods		Food Utensil Count		Miscellaneous	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	1,166	4,149	347	564	264 (a)	531 (a)
Alaska	194	195	-	-	-	-
Ariz.	-	-	49	49	-	-
Ark.	-	-	265	265	-	-
Cal.	*	*	*	*	*	*
Colo.	46	*	78	*	-	-
Conn.	11	33	1,483	1,483	5,624 (b)	8,115 (b)
Del.	118	4,706	-	-	4,931 (c)	19,880
D.C.	-	-	-	-	-	-
Fla.	49	147	3,214	3,214	-	-
Ga.	49 (d)	147	-	-	159 (e)	159
Hawaii	74	222	840	1,680	-	-
Ida.	-	-	1,418	3,260	-	-
Ill.	-	-	-	-	-	-
Ind.	48	61	-	-	-	-
Ia.	-	-	513	513	323 (f)	485
Kans.	-	-	257	514	-	-
Ky.	-	-	-	-	551 (g)	4,431
La.	*	(h)	*	3,226	*	54,940 (i)
Me.	-	-	-	-	13 (j)	26
Md.	1,796	5,528	1,423	2,008	12,243 (c)	22,673
Mass.	-	-	-	-	-	-
Mich.	-	-	2,657	3,043	-	-
Minn.	-	-	-	-	-	-
Miss.	326	777	-	-	575 (k)	1,017
Mo.	-	-	79	79	27 (l)	54
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N. H.	-	-	-	-	-	-
N. J.	874	2,391	-	-	-	-
N. M.	-	-	-	-	1,242 (m)	1,242
N. Y.	-	-	86	86	-	-
N. C.	(n)	-	-	-	-	-
N. D.	-	-	3,999	3,999	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R. I.	184	452	294	294	-	-
S. C.	48	96	1,004	1,596	931 (c)	1,004
S. D.	*	*	*	*	*	*
Tenn.	-	-	6,026	6,026	-	-
Tex.	*	*	*	*	-	-
Utah	-	-	-	-	-	-
Vt.	*	<10	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	174	216	11 (o)	11	122 (p)	164
W. Va.	-	-	25 (q)	62	-	-
Wisc.	-	-	807	1,187	-	-
Wyo.	-	-	-	-	-	-
Guam	2	14	3	23	-	-
P. R.	*	*	*	*	*	*
V. I.	-	-	713	1,985	-	-

TABLE 10-34. CLINICAL CHEMISTRY: TOTAL SPECIMENS AND EXAMS AND BLOOD SPECIMENS AND EXAMS

	Total Specimens	Total Exams	Blood Specimens	Blood Exams
Ala.	126,591	133,375	*	2,699
Alaska	-	-	-	-
Ariz.	6,764	24,893	65	67
Ark.	16,226	19,562	314	420
Cal.	*	*	*	*
Colo.	*	6,024	-	-
Conn.	99,805	153,036	2,957	6,926
Del.	18,959	19,819	-	-
D.C.	36,425	57,392	23,222	44,189
Fla.	109,967	109,967	45,940	45,940
Ga.	71,648	71,998	3,724	3,693
Hawaii	43	174	-	-
Ida.	11,430	12,297	170	1,037
Ill.	76,183	76,183	-	-
Ind.	-	-	-	-
Ia.	5,343	1,129	1,229 (r)	882
Kans.	19,928	19,928	-	-
Ky.	75,083	75,998	34,778	34,778
La.	*	56,902	-	-
Me.	31,468	31,468	2,120	2,120
Md.	109,306	171,974	24,008	37,126
Mass.	93,101	186,801	-	-
Mich.	197,108	225,404	71,488	79,397
Minn.	75,121	75,211	-	-
Miss.	115,917	115,917	115,917	115,917
Mo.	43,145	43,145	1,277	1,277
Mont.	11,691	11,691	-	-
Nebr.	*	*	*	*
Nev.	16,920	21,890	-	-
N.H.	34,089	38,592	9,955	13,215
N.J.	94,586	105,673	*	10,970
N.M.	16,914	16,914	-	-
N.Y.	*	356,194	*	67,505
N.C.	129,823	1,031,127	41,260	88,912
N.D.	-	-	-	-
Ohio	219,097	246,698	37,207	64,808
Okla.	*	*	*	*
Ore.	66,629	132,479	-	-
Pa.	*	116,063	*	3,667
R.I.	45,286	137,495	32,034	42,897
S.C.	52,918	86,706	4,838 (s)	38,531
S.D.	*	*	*	*
Tenn.	67,473	67,473	6,282	6,282
Tex.	163,119	163,307	17,786	17,786
Utah	803	7,303	403	6,103
Vt.	22,550	22,550	22,550	22,550
Va.	106,996	106,996	15,993	15,993
Wash.	14,139	14,176	-	-
W.Va.	28,814	96,950	8,489	32,673
Wisc.	149,206	149,206	148,566	148,566
Wyo.	-	-	-	-
Guam	2,987	3,055	88	156
P.R.	*	*	*	*
V.I.	3,444	4,000	2,420	2,523

TABLE 10-35. CLINICAL CHEMISTRY: BLOOD

	Glucose	Cholesterol	Urea Nitrogen	Uric Acid	Trans-aminase	Other
Ala.	1,249	296	283	293	293 (t)	285 (u)
Alaska	-	-	-	-	-	-
Ariz.	67	-	-	-	-	-
Ark.	254	4	68	42	48	4 (v)
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	1,598	1,225	1,598	1,598	-	907 (w)
Del.	-	-	-	-	-	-
D.C.	24,222	25	19,937	-	5	-
Fla.	31,231	4,670	713	5,270	-	4,056
Ga.	3,693	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	170	171	181	174	1	340 (x)
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	311	248	110	54	25	134 (y)
Kans.	-	-	-	-	-	-
Ky.	16,026	-	-	-	-	18,752
La.	-	-	-	-	-	-
Me.	2,120	-	-	-	-	-
Md.	20,087	1,399	7,934	1,880	1,190	4,636
Mass.	-	-	-	-	-	-
Mich.	38,411	10,603	3,343	10,124	487	16,429
Minn.	-	-	-	-	-	-
Miss.	114,649	-	1,268	-	-	-
Mo.	1,277	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	7,181	159	5,112	155	-	608
N.J.	2,393	204	127	54	3,053	5,139 (z)
N.M.	-	-	-	-	-	-
N.Y.	29,509	526	29,509	5,615	164	2,182
N.C.	41,026	11,969	11,978	11,978	11,961	-
N.D.	-	-	-	-	-	-
Ohio	51,651	5,635	3,843	3,679	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	3,245	-	-	-	-	422 (aa)
R.I.	26,870	5,710	9,935	36	-	346 (bb)
S.C.	5,862	78	3,693	28	-	28,870
S.D.	*	*	*	*	*	*
Tenn.	6,282	-	-	-	-	-
Tex.	17,786	-	-	-	-	-
Utah	3	400	400	400	-	4,900
Vt.	18,750	3,800	-	-	-	-
Va.	15,993	-	-	-	-	-
Wash.	-	-	-	-	-	-
W.Va.	8,608	6,003	6,014	5,977	5,881 (cc)	190 (dd)
Wisc.	77,779	8,167	4,132	4,526	315	53,647
Wyo.	-	-	-	-	-	-
Guam	129	3	11	13	-	-
P.R.	*	*	*	*	*	*
V.I.	2,523	-	-	-	-	-

TABLES 10-33 - 10-35. FOOTNOTES

- (a) Empty cartons, 171 specimens, 414 exams; check specimens, 93 specimens, 117 exams.
- (b) Includes surface water, sea and raw public supply water, 5,474 specimens, 7,898 exams; meat serology, 17 specimens, 84 exams; sterility tests, 133 specimens, 133 exams.
- (c) Shellfish waters.
- (d) Shellfish, Shellfish stock.
- (e) Institutional bath area.
- (f) Limnology (iron bacteria algae).
- (g) Non-dairy products.
- (h) "Beverages" and "Sea Food" included with "Food Quality."
- (i) Membrane Filter, 52,049; MPN, 2,891.
- (j) Stuffing material.
- (k) Seawater.
- (l) Containers.
- (m) Surface Counts.
- (n) Shellfish, 2,025 specimens, 2,234 exams performed at the Shellfish laboratory in Morehead City.
- (o) Milk cartons.
- (p) Environmental samples.
- (q) Pasteurized milk containers.
- (r) Reference laboratory specimens for State laboratory improvement programs.
- (s) Does not include figure from Branch laboratories.
- (t) Triglyceride.
- (u) PBI.
- (v) Total protein.
- (w) Includes nutritional studies, 882.
- (x) Hemoglobins, 170; hematocrits, 170.
- (y) Electrolytes.
- (z) Chloride, 12; Calcium, 233; Inorganic Phosphorus, 41; Creatinine, 34; Total Protein, 135; Sodium, 20; Potassium, 17; Alkaline Phosphatase, 1,980; Magnesium, 17; Lactic Dehydrogenase, 1,237; Bilirubin, 1,413.
- (aa) Hemoglobin.
- (bb) Bilirubin, Creatinine.
- (cc) SGOT.
- (dd) Amino Acid.

TABLE 10-36. CLINICAL CHEMISTRY: URINE AND OTHER

	Urine		Other	
	Specimens	Exams	Specimens	Exams
Ala.	94	3,952	835	835
Alaska	-	-	-	-
Ariz.	6,699	24,826	-	-
Ark.	405	3,440	-	-
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	7,832 (a)	7,834 (a)	(b)	49,260
Del.	215	1,075	-	-
D.C.	-	-	-	-
Fla.	223	223	242	242
Ga.	-	-	-	-
Hawaii	43	174	-	-
Ida.	-	-	-	-
Ill.	-	-	-	-
Ind.	-	-	-	-
Ia.	-	-	-	247
Kans.	677	677	-	-
Ky.	410	1,325	-	-
La.	*	337	-	-
Me.	-	-	-	-
Md.	15,275	65,296	583	583
Mass.	-	-	-	-
Mich.	8,640	28,824	*	199
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	*	*	*	*
Nev.	1,194	6,162	-	-
N.H.	5,379	5,442	110	192
N.J.	*	835	-	-
N.M.	-	-	-	-
N.Y.	-	-	*	114,886 (c)
N.C.	-	-	*	853,220
N.D.	-	-	-	-
Ohio	-	-	-	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	13,252	64,628	-	-
S.C.	16,265	16,265	-	-
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	-	-	-	-
Utah	400	1,200	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	(d)	37
W.Va.	-	-	*	44,045 (e)
Wisc.	483	483	157	157
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	1,024	1,477	-	-

TABLE 10-37. CLINICAL CHEMISTRY: PHENYLKETONURIA

	Specimens	Exams	Screening Test		Confirmatory Test	
			Exams	Positives	Exams	Positives
Ala.	81,953	82,180	81,953	3	227	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	15,507	15,702	15,702	82	-	-
Cal.	*	*	*	*	*	*
Colo.	*	6,024	5,985	39	39	2
Conn.	89,016	89,016	88,955	13	61	61
Del.	18,744	18,744	18,744	-	-	-
D.C.	13,203	13,203	12,965	*	238	*
Fla.	63,562	63,562	63,449	515	113	-
Ga.	67,924	68,305	66,768	671	1,537	4
Hawaii	-	-	-	-	-	-
Ida.	11,260	11,260	11,260	2	*	*
Ill.	76,183	76,183	76,183	55	-	-
Ind.	-	-	-	-	-	-
Ia.	4,114	*	*	583	*	107
Kans.	19,251	19,251	19,165	140	86	51 (f)
Ky.	39,895	39,895	39,895	128	-	-
La.	*	56,565	56,405	384	160	-
Me.	29,348	29,348	29,348	34	(g)	2
Md.	69,440	68,969	68,969	61 (h)	(i)	-
Mass.	93,101	93,700	93,101	11	599	11
Mich.	116,980	116,984	116,980	43	4	4
Minn.	75,121	75,211	75,043	19	168	1
Miss.	-	-	-	-	-	-
Mo.	41,868	41,868	38,124	76	3,744	-
Mont.	11,691	11,691	11,691	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	15,726	15,728	15,726	*	2	2
N.H.	18,645	19,743	19,739	4	4	4
N.J.	94,586	93,868	93,019	169	849	8
N.M.	16,914	16,914	16,914	*	-	-
N.Y.	*	86,988	86,815	*	173	*
N.C.	88,563	88,995	88,995 (j)	*	(j)	*
N.D.	-	-	-	-	-	-
Ohio	181,890	181,890	181,572	6	318	-
Okla.	*	*	*	*	*	*
Ore.	66,629	66,535	66,516	556	19	-
Pa.	*	112,396	112,022	38	374	12
R.I.	*	28,567	28,566	1	1	-
S.C.	31,815	31,910	31,825	85	85	81
S.D.	*	*	*	*	*	*
Tenn.	61,191	61,191	61,191	204	-	-
Tex.	145,333	145,521	144,966	-	555	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	91,003	91,003	91,003	-	-	-
Wash.	14,139	14,139	13,936	31	203 (k)	19
W. Va.	20,325	20,232	20,232	50	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
Guam	2,899	2,899	2,899	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 10-38. CLINICAL CHEMISTRY: MAPLE SYRUP URINE DISEASE

	Specimens	Exams	Positives
Ala.	43,709	43,709	-
Alaska	-	-	-
Ariz.	-	-	-
Ark.	-	-	-
Cal.	*	*	*
Colo.	-	-	-
Conn.	-	-	-
Del.	-	-	-
D.C.	-	-	-
Fla.	*	*	*
Ga.	-	-	-
Hawaii	*	*	*
Ida.	-	-	-
Ill.	-	-	-
Ind.	-	-	-
Ia.	-	-	-
Kans.	-	-	-
Ky.	-	-	-
La.	-	-	-
Me.	-	-	-
Md.	-	-	-
Mass.	(1)	93,101	-
Mich.	-	-	-
Minn.	-	-	-
Miss.	-	-	-
Mo.	-	-	-
Mont.	-	-	-
Nebr.	*	*	*
Nev.	-	-	-
N.H.	-	-	-
N.J.	-	-	-
N.M.	-	-	-
N.Y.	*	86,815	*
N.C.	-	-	-
N.D.	-	-	-
Ohio	-	-	-
Okla.	*	*	*
Ore.	(1)	65,944	57
Pa.	-	-	-
R.I.	(1)	1,403	-
S.C.	-	-	-
S.D.	*	*	*
Tenn.	-	-	-
Tex.	-	-	-
Utah	-	-	-
Vt.	-	-	-
Va.	*	*	*
Wash.	-	-	-
W. Va.	-	-	-
Wisc.	-	-	-
Wyo.	-	-	-
Guam	-	-	-
P.R.	*	*	*
V.I.	-	-	-

TABLE 10-39. SANITARY CHEMISTRY: WATER

	Total Specimens	Total Exams	Drinking Water	Swimming Water	Waste Water, Sewage	Continuous Monitoring
Ala.	26,741	53,717	51,264	2,453	-	-
Alaska	1,300	1,300	1,147	2	151	-
Ariz.	1,380	16,815	15,507	-	1,308	-
Ark.	(m)	*	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	2,854	42,794	14,175	-	28,619	-
Conn.	10,004	57,480	46,845	633	10,002 (n)	-
Del.	-	-	-	-	-	-
D.C.	129	129	129	-	-	-
Fla.	7,050	28,200 (o)	28,200	(p)	-	X (o)
Ga.	-	-	-	-	-	-
Hawaii	167	2,800	2,777	-	23	-
Ida.	2,691	28,534	3,948	-	24,586	*
Ill.	*	130,794	38,333	20,204	72,257	-
Ind.	*	52,535	12,296	-	40,239	-
Ia.	18,388	49,076	48,021	-	1,055	X
Kans.	10,631	73,786	23,092	2,000	48,694	-
Ky.	2,881	12,321	12,321	-	-	-
La.	*	6,100	5,649	-	451	X
Me.	11,000	139,400	137,000	2,400	-	-
Md.	9,607	56,743	43,811	-	12,932	-
Mass.	-	-	-	-	-	-
Mich.	*	78,257	43,813	*	34,444	-
Minn.	(q)	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	3,119	16,210	16,210	-	-	-
Mont.	1,025	1,025	821	-	204	-
Nebr.	*	*	*	*	*	*
Nev.	2,256	34,290	28,286	-	6,004	-
N.H.	-	-	-	-	-	-
N.J.	10,309	85,784	10,707	75,077 (r)	(r)	-
N.M.	*	7,977	7,977 (s)	(s)	(s)	-
N.Y.	4,539	224,560	60,400	-	164,160	-
N.C.	11,785	46,177	46,177	-	-	-
N.D.	*	1,263	1,136	-	127	-
Ohio	4,484	58,707	36,175	860	21,672	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	1,897	16,286	7,434	-	8,852	-
R.I.	-	-	-	-	-	-
S.C.	1,500	7,037	7,037	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	17,807	177,370	83,941	-	93,429	-
Utah	2,723	43,353	28,732	-	14,621	-
Vt.	2,700	12,500	12,500	-	-	-
Va.	4,071	4,071	4,071	-	-	-
Wash.	1,792	15,276	15,276	-	-	-
W.Va.	-	-	-	-	-	-
Wisc.	18,215	55,953	16,025	50	39,878	-
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	121	421	204	217	-	-

TABLE 10-40. SANITARY CHEMISTRY: MILK AND CREAM, MISCELLANEOUS

	Milk and Cream		Miscellaneous	
	Total Specimens	Total Exams	Specimens	Exams
Ala.	35,124	89,598	-	-
Alaska	172	172	-	-
Ariz.	-	-	-	-
Ark.	4,073	10,074	-	-
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	11,808	19,407	29,122 (t)	197,533 (t)
Del.	-	-	-	-
D.C.	*	3,421	-	-
Fla.	17,309	41,109	-	-
Ga.	-	-	-	-
Hawaii	*	4,043	-	-
Ida.	388	398	-	-
Ill.	*	8,347	-	-
Ind.	8,255	7,869	-	-
Ia.	1,879	3,758	-	-
Kans.	-	-	-	-
Ky.	10,426	7,708	-	-
La.	*	10,958	-	-
Me.	-	-	-	-
Md.	15,636	33,475	3,691	17,576 (u)
Mass.	-	-	-	-
Mich.	*	8,519	-	-
Minn.	(q)	-	-	-
Miss.	(v)	(v)	-	-
Mo.	1,388	1,703	-	-
Mont.	(w)	-	-	-
Nebr.	*	*	*	*
Nev.	1,319	2,270	-	-
N.H.	-	-	-	-
N.J.	1,539	3,233	-	-
N.M.	*	7,010	-	-
N.Y.	102	102	-	-
N.C.	-	-	-	-
N.D.	-	-	-	-
Ohio	-	-	163 (x)	163
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	7,313	20,286	-	-
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	488	893	-	-
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W. Va.	-	-	-	-
Wisc.	-	-	-	-
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	285	593	-	-

TABLES 10-36 - 10-40. FOOTNOTES

- (a) Diabetes screening on filter paper, 7,787 specimens, 7,789 exams; other, 45 specimens, 45 exams.
- (b) Represents galactosemia screening test. Tests are done on blood specimens on filter paper submitted for PKU.
- (c) Federal Nutrition Survey, 27,500; Special Investigations: chromatograms, 969; Beutler galactosemia screening, 86,417.
- (d) Spinal Fluid Total Protein. Specimens counted under Serology, Syphilis.
- (e) Albumin, 5,965; Alkaline Phosphatase, 5,948; Bilirubin, 5,965; Calcium, 5,967; Creatinine, 2,282; Inorganic Phosphorus, 5,977; LDH, 5,944; Total Protein, 5,977; Sodium, 10; Potassium, 10.
- (f) Includes diagnostic and treatment control specimens.
- (g) Confirmatory testing obtained from Massachusetts Department of Health Laboratory.
- (h) Greater than 6 mg./100 ml.
- (i) Referred to Johns Hopkins University for confirmatory test and follow-up.
- (j) Includes Confirmatory Test with Screening Test total.
- (k) Includes 184 diet control tests on known positives.
- (l) Specimens are counted under PKU total.
- (m) Performed in Division of Radiological Health, Arkansas State Department of Health.
- (n) Includes surface water, 3,514 exams.
- (o) These exams are also performed by Department of Air and Water Pollution Laboratories which handles the continuous monitoring of water.
- (p) "Swimming Water" included with "Drinking Water" total.
- (q) Performed by Section of Analytical Laboratories, Division of Environmental Health.
- (r) "Waste Water" included in "Swimming Water" total.
- (s) "Swimming Water" and "Waste Water" included with "Drinking Water."
- (t) Solid Wastes, 214 specimens, 3,450 exams; Sand, 4 specimens, 12 exams; Clinical Thermometers, 26,823 specimens, 187,754 exams; Fish Kill, 24 specimens, 480 exams; Milk Products, 1,131 specimens, 3,127 exams; Frozen Desserts and Mixes, 484 specimens, 875 exams; Miscellaneous Samples, 442 specimens, 1,835 exams.
- (u) Other Foods and Beverages.
- (v) Included under Sanitary Bacteriology: Dairy Products, Table 10-31.
- (w) Performed by Livestock Sanitary Board, Bozeman.
- (x) Sand analysis.

TABLE 10-41. AIR POLLUTION

	Total Samples	Total Exams	Discrete Sampling	Continuous Sampling	No. of Stations
Ala.	-	-	-	-	-
Alaska	-	-	-	-	-
Ariz.	2,237	5,582	X	-	-
Ark.	-	-	-	-	-
Cal.	*	*	*	*	*
Colo.	*	25,140	X	X	164
Conn.	1,882	4,543	X	-	-
Del.	-	-	-	-	-
D.C.	-	-	-	-	-
Fla.	1,104	6,684 (a)	-	-	-
Ga.	-	-	-	-	-
Hawaii	(b)	-	-	-	-
Ida.	2,153	2,520	-	-	-
Ill.	-	-	-	-	-
Ind.	(c)	-	-	-	-
Ia.	3,274	3,274	X	X	745
Kans.	-	-	-	-	-
Ky.	5,386	8,299	-	-	-
La.	(d)	-	-	-	-
Me.	-	-	-	-	-
Md.	5,575	*	X	X	*
Mass.	-	-	-	-	-
Mich.	*	2,534	X	X	12
Minn.	(e)	-	-	-	-
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	1,349	1,349	-	-	-
Nebr.	*	*	*	*	*
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	*	2,509	X (f)	X	20 (g)
N.M.	*	1,371	-	-	-
N.Y.	7,276	14,552	-	-	115
N.C.	-	-	-	-	-
N.D.	*	290	X	-	9
Ohio	2,049	2,233	X	-	-
Okla.	*	*	*	*	*
Ore.	-	-	-	-	-
Pa.	-	-	-	-	-
R.I.	-	-	-	-	-
S.C.	-	-	-	-	-
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	14,611	*	-	-	-
Utah	1,879	*	X	-	-
Vt.	-	-	-	-	-
Va.	-	-	-	-	-
Wash.	(h)	-	-	-	-
W.Va.	-	-	-	-	-
Wisc.	892	965	-	X	21
Wyo.	-	-	-	-	-
Guam	-	-	-	-	-
P.R.	*	*	*	*	*
V.I.	-	-	-	-	-

TABLE 10-42. OCCUPATIONAL HEALTH AND SAFETY

	Total Specimens	Chemical Analysis	Investigations, Field
Ala.	-	-	-
Alaska	-	-	-
Ariz.	-	-	-
Ark.	-	-	-
Cal.	*	*	*
Colo.	276	276	-
Conn.	126	162	-
Del.	-	-	-
D.C.	1,033	1,033	-
Fla.	974	974	88
Ga.	-	-	-
Hawaii	(i)	-	-
Ida.	-	-	-
Ill.	-	-	-
Ind.	-	-	-
Ia.	3,191	5,178	48
Kans.	*	30	-
Ky.	342	500	-
La.	-	-	-
Me.	-	-	-
Md.	165	233	-
Mass.	-	-	-
Mich.	*	1,386	6,887
Minn.	(e)	-	-
Miss.	-	-	-
Mo.	-	-	-
Mont.	44	44	-
Nebr.	*	*	*
Nev.	-	-	-
N.H.	-	-	-
N.J.	*	2,014	5,473
N.M.	-	-	-
N.Y.	-	-	-
N.C.	(j)	-	-
N.D.	-	-	-
Ohio	179	394	-
Okla.	*	*	*
Ore.	-	-	-
Pa.	-	-	-
R.I.	-	-	-
S.C.	-	-	-
S.D.	*	*	*
Tenn.	-	-	-
Tex.	-	-	-
Utah	491	553	-
Vt.	-	-	-
Va.	-	-	-
Wash.	-	-	-
W. Va.	-	-	-
Wisc.	1,893	1,893	150
Wyo.	-	-	-
Guam	-	-	-
P.R.	*	*	*
V.I.	-	-	-

TABLE 10-43. RADIOACTIVITY

	Total Specimens	Total Exams	Air		Milk	
			Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	356	356	356	356	-	-
Ark.	(k)	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	1,493	3,630	-	-	-	-
Conn.	1,031	2,155	307	330	68	400
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	2,050	4,088	920	920	121	605
Ga.	-	-	-	-	-	-
Hawaii	(i)	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	6,123	11,639	607	607	-	-
Ind.	(c)	-	-	-	-	-
Ia.	1,886	4,306	448	448	74	297
Kans.	*	823	*	253	*	118
Ky.	-	-	-	-	-	-
La.	*	1,733	-	-	*	608
Me.	463	487	278	278	6	30
Md.	1,015	1,506	660	669	61	325
Mass.	-	-	-	-	-	-
Mich.	*	4,151	*	2,323	*	1,267
Minn.	(e)	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	824	*	-	-	-	-
Mont.	(l)	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	4,539	8,113	250	501	1,528	364
N.M.	-	-	-	-	-	-
N.Y.	2,151	4,597	599	599	494	988
N.C.	1,463	10,637	534	2,521	128	993
N.D.	72	72	-	-	72	72
Ohio	306	1,232	-	-	4	36
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	1,662	3,370	1,171	2,242	11	33
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	421	978	*	*	*	*
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	(m)	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	2,235	3,705	702	1,404	468	936
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 10-43. RADIOACTIVITY
(Continued)

	Water and Rainfall		Other	
	Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-
Alaska	-	-	-	-
Ariz.	-	-	-	-
Ark.	-	-	-	-
Cal.	*	*	*	*
Colo.	1,493	3,630	-	-
Conn.	396	931	260	494
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	464	928	545	1,635
Ga.	-	-	-	-
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill.	5,220	10,440	296	592
Ind.	-	-	-	-
Ia.	1,364	3,561	-	-
Kans.	*	433	*	19
Ky.	-	-	-	-
La.	*	276	*	849
Me.	131	131	48	48
Md.	276	495	18 (n)	17
Mass.	-	-	-	-
Mich.	*	476	*	85
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	824	*	-	-
Mont.	-	-	-	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	1,094	3,468	1,667	3,780
N.M.	-	-	-	-
N.Y.	894	2,682	164	328
N.C.	750	6,894	51	229
N.D.	-	-	-	-
Ohio	301	1,194	1	2
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	345	690	135	405
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	*	*	*	*
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W.Va.	-	-	-	-
Wisc.	872	1,172	193	193
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	-	-	-	-

TABLE 10-44. PESTICIDES

	Total Specimens	Total Exams	Milk		Water	
			Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	2,078	2,077	2,034	2,033	44	44
Ark.	(k)	-	-	-	-	-
Cal.	*	*	*	*	*	*
Colo.	1,377	2,463	856	1,712	291	291
Conn.	1,072	15,283	(o)	77	(o)	38
Del.	-	-	-	-	-	-
D.C.	-	-	-	-	-	-
Fla.	11 (p)	110	6	60	-	-
Ga.	-	-	-	-	-	-
Hawaii	43	559	6	78	17	221
Ida.	141	171	124	124	8	38
Ill.	187	187	-	-	187	187
Ind.	903	1,449	708	731	54	486
Ia.	347	1,388	-	-	148	592
Kans.	30	33	-	-	19	22
Ky.	491	785	*	547	*	137
La.	*	83	*	44	*	29
Me.	-	-	-	-	-	-
Md.	535	1,643	275	*	229	1,643
Mass.	-	-	-	-	-	-
Mich.	-	-	-	-	-	-
Minn.	(e)	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	51	119	-	-	51	119
Mont.	(l)	-	-	-	-	-
Nebr.	*	*	*	*	*	*
Nev.	181	405	181	405	-	-
N.H.	-	-	-	-	-	-
N.J.	*	1,492	*	16	*	155
N.M.	-	-	-	-	-	-
N.Y.	(q)	-	-	-	-	-
N.C.	(j)	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	354	392	103	*	41	*
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	1,720	*	*	*	*	*
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	75	152	55	57	*	*
Utah	48	94	6	12	36	72
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-
Wisc.	495	*	*	*	*	*
Wyo.	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 10-44. PESTICIDES
(Continued)

	Food		Miscellaneous	
	Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-
Alaska	-	-	-	-
Ariz.	-	-	-	-
Ark.	-	-	-	-
Cal.	*	*	*	*
Colo.	230	460	-	-
Conn.	(o)	85	1,072 (r)	15,083 (r)
Del.	-	-	-	-
D.C.	-	-	-	-
Fla.	5	50	-	-
Ga.	-	-	-	-
Hawaii	20	260	-	-
Ida.	9	9	-	-
Ill.	-	-	-	-
Ind.	141	232	-	-
Ia.	-	-	199 (s)	796
Kans.	11	11	-	-
Ky.	*	101	-	-
La.	*	10	-	-
Me.	-	-	-	-
Md.	31	*	-	-
Mass.	-	-	-	-
Mich.	-	-	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	*	133	*	1,188 (t)
N.M.	-	-	-	-
N.Y.	-	-	-	-
N.C.	-	-	-	-
N.D.	-	-	-	-
Ohio	210	*	-	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	*	*	*	*
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	*	*	-	-
Utah	6	10	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W.Va.	-	-	-	-
Wisc.	*	*	*	*
Wyo.	-	-	-	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	-	-	-	-

• TABLES 10-41 - 10-44. FOOTNOTES

- (a) These exams are performed by Department of Air and Water Pollution Laboratories.
- (b) Performed by Air Sanitation Branch.
- (c) Done by Bureau of Engineering, Indiana State Board of Health.
- (d) Handled by the Louisiana State Department of Health, Bureau of Environmental Control.
- (e) Performed by Section of Analytical Laboratories, Division of Environmental Health.
- (f) 33 H. Volume Air Samplers. Each sample is of 24 hr. duration and samples are taken every sixth day. Network in operation since March 1, 1970.
- (g) Three comprehensive air monitoring laboratories with sensor measuring 9 pollutants plus five meteorological parameters each. 17 air monitoring stations with sensors measuring three pollutants each.
- (h) Performed by Department of Ecology.
- (i) Performed by Occupational and Radiological Health Branch.
- (j) Performed by Epidemiology Division of the State Board of Health.
- (k) Performed in Division of Radiological Health, Arkansas State Department of Public Health.
- (l) Specimens sent out of State.
- (m) Performed by Radiation Control Unit.
- (n) Shellfish.
- (o) Specimens are counted under Sanitary Chemistry Section.
- (p) Also performed by other State agencies.
- (q) Included in chemical analysis of water.
- (r) Human adipose and serum, 1,072 specimens, 14,903 exams; other, 180 exams. Specimens counted under Sanitary Chemistry Section.
- (s) Wildlife, Soil, etc.
- (t) Air, miscellaneous, 47 exams; serum (human), 1,141 exams.

TABLE 10-45. FORENSIC TOXICOLOGY

	Drugs		Food, Water, Milk		Tissues or Body Fluids		
	Specimens	Exams	Specimens	Exams	Total Specimens	Total Exams	Barbiturates
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	(a)	-	(a)	-	(a)	-	-
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	-	-	-	-	3,710	6,227	1,218
Del.	-	-	-	-	-	-	-
D.C.	-	-	-	-	12,109	29,523	-
Fla.	3,252	13,008	26	26	10,966	233,614	261
Ga.	-	-	-	-	-	-	-
Hawaii	19	26	5	8	18	40	6
Ida.	1,005 (b)	8,011 (b)	-	-	-	-	-
Ill.	-	-	-	-	*	4,407	420
Ind.	108	108	-	-	-	-	-
Ia.	-	-	185	185	-	-	-
Kans.	822	1,849	274	1,043	*	2,955	211
Ky.	428	1,332	129	592	-	-	-
La.	-	-	*	4	*	33	-
Me.	752	752	-	-	5,411 (c)	5,479 (c)	77
Md.	250	1,395	-	-	-	-	-
Mass.	-	-	-	-	-	-	-
Mich.	*	2,524	-	-	*	2,287	(d)
Minn.	(e)	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	35	450	123	123	-
Mont.	-	-	-	-	758	758	-
Nebr.	*	*	*	*	*	*	*
Nev.	158	1,397	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	-	-	-	-	*	2,268	2,240 (f)
N.Y.	-	-	-	-	-	-	-
N.C.	(g)	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	-	360	362	-
Okla.	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-
Pa.	-	-	-	-	-	-	-
R.I.	1,108	7,756	-	-	5,759 (h)	41,603 (h)	2,121
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	81	85	-	-	742	2,640	52
Vt.	111	111	<10	<10	1,000	1,778	42
Va.	-	-	-	-	-	-	-
Wash.	(i)	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-
Wisc.	208	208	-	-	1,830	1,830	114
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 10-45. FORENSIC TOXICOLOGY
(Continued)

	Tissues or Body Fluids						
	Bromide	Alcohol	Psychotropic Agents	Drug levels, misc.	Transaminase	Lead	Arsenic
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	3	2,444	39	-	-	-	15
Del.	-	-	-	-	-	-	-
D.C.	-	4,093	-	-	-	-	-
Fla.	-	1,239 (j)	-	36	-	(k)	12
Ga.	-	-	-	-	-	-	-
Hawaii	-	3	-	2	-	4	2
Ida.	-	-	-	-	-	-	-
Ill.	-	1,517	20	1,145	-	103	57
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	2	1,924	257	151	-	89	72
Ky.	-	-	-	-	-	-	-
La.	-	-	-	-	-	3	2
Me.	-	1,007	-	4,290	-	16	7
Md.	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-
Mich.	-	1,624	-	445	-	-	5
Minn.	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	7	-	-	-	116	-
Mont.	-	747	-	-	-	5	-
Nebr.	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	-	28	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	332	17
Okla.	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	-	729	21	92	-	248	166
Vt.	-	952	-	30	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-
Wisc.	-	920	-	39	315	246	62
Wyo.	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-

TABLE 10-45. FORENSIC TOXICOLOGY
(Continued)

	Tissues or Body Fluids							
	Mercury	Other Metals	Carbon Monoxide	Poisons	Narcotics	Mathemoglobin	Pesticides	Other
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	-	-	-	-	-	-	-	-
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	83	27	1,335	-	10	1,053
Del.	-	-	-	-	-	-	-	-
D.C.	-	-	-	-	25,430	-	-	-
Fla.	5	5	61	4	-	2	231,925	64
Ga.	-	-	-	-	-	-	-	-
Hawaii	2	6	-	2	-	-	13	-
Ida.	-	-	-	-	-	-	-	-
Ill.	3	25	810	69	146	5	8	79
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	16	18	36	50	89	-	25	15
Ky.	-	-	-	-	-	-	-	-
La.	1	-	-	-	-	-	27	-
Me.	-	9	50	23	-	-	-	-
Md.	-	-	-	-	-	-	-	-
Mass.	-	-	-	-	-	-	-	-
Mich.	-	-	66	135	10	-	2	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	6	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	1	7	-	-	-	-	-	5 (1)
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-	-
Pa.	-	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	184	426	133	51	90	-	132	316
Vt.	-	-	754	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-	-	-
Wisc.	-	17	49	-	-	-	-	68
Wyo.	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	*	*	*	*	*	*	*	*
V.I.	-	-	-	-	-	-	-	-

TABLE 10-46. MISCELLANEOUS EXAMS AND SPECIAL QUESTIONS ON WORKLOAD

	<u>Miscellaneous Exams</u>		<u>Laboratory offers routine diagnostic services on:</u>	
	<u>Specimens</u>	<u>Exams</u>	<u>Beta hemolytic Streptococci</u> by FA Method:	<u>Enteropathogenic <i>E. coli</i></u> by FA Method:
Ala.	-	-	X	X
Alaska	-	-	X	X
Ariz.	-	-	X	-
Ark.	-	-	X	X
Cal.	*	*	*	*
Colo.	-	-	X	-
Conn.	20,446 (m)	38,800 (m)	X	X
Del.	-	-	X	-
D.C.	-	-	X	-
Fla.	-	-	-	-
Ga.	-	-	X	X
Hawaii	-	-	X	-
Ida.	-	-	X	X
Ill.	-	-	- (n)	- (o)
Ind.	-	-	-	-
Ia.	257 (p)	257	X	X
Kans.	158 (q)	343	X	X
Ky.	-	-	X	-
La.	-	-	X	X
Me.	-	-	X	X
Md.	4,878 (r)	10,476 (r)	-	-
Mass.	-	-	X	X
Mich.	-	-	-	-
Minn.	-	-	-	-
Miss.	-	-	X	X
Mo.	-	-	X	-
Mont.	-	-	X	-
Nebr.	*	*	*	*
Nev.	-	-	-	-
N.H.	-	-	X	X
N.J.	*	146 (s)	-	X
N.M.	-	-	X	-
N.Y.	-	-	X	X
N.C.	-	-	X	X
N.D.	-	-	X	X
Ohio	-	-	X	-
Okla.	*	*	*	*
Ore.	-	-	X	X
Pa.	-	-	-	-
R.I.	-	-	X	X
S.C.	-	-	X	X
S.D.	*	*	*	*
Tenn.	-	-	X	-
Tex.	-	-	X	-
Utah	-	-	X	-
Vt.	-	-	-	-
Va.	-	-	X	-
Wash.	-	-	X	X
W.Va.	-	-	X	-
Wisc.	-	-	X	-
Wyo.	-	-	X	-
Guam	-	-	-	-
P.R.	*	*	*	*
V.I.	-	-	X	X

TABLE 10-46. MISCELLANEOUS EXAMS AND SPECIAL QUESTIONS ON WORKLOAD
(Continued)

	Lab uses Truant Fluorescent Staining Method to screen for acid-fast organisms:	Following Methods Used for Toxoplasmosis:		HI Used for:	
		IHA	CF	Rubella	Vaccinia
Ala.	-	- (t)	X	X	-
Alaska	-	-	-	- (u)	-
Ariz.	-	-	-	X	-
Ark.	X	X	-	X	-
Cal.	*	*	*	*	*
Colo.	X	-	-	X	-
Conn.	-	- (t)	-	X	-
Del.	-	-	-	-	-
D.C.	X	X	X	X	-
Fla.	-	-	-	X	-
Ga.	-	- (t)	-	X	-
Hawaii	-	-	-	X	-
Ida.	-	-	-	X	-
Ill.	-	X (v)	-	X	-
Ind.	-	-	-	X	-
Ia.	X	- (t)	-	X	-
Kans.	X	-	-	X	-
Ky.	X	-	-	X	-
La.	-	- (t)	-	X	-
Me.	-	X	-	X	-
Md.	X	X	X	X	X
Mass.	-	-	-	X	-
Mich.	-	-	-	X	-
Minn.	-	-	X	X	-
Miss.	X	-	-	X	-
Mo.	-	- (t)	-	X	-
Mont.	X	-	-	X	-
Nebr.	*	*	*	*	*
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	X	- (t)	-	X	-
N.M.	X	-	-	X	-
N.Y.	-	X	-	X	-
N.C.	-	X	X	X	X
N.D.	X	-	-	X	-
Ohio	X	- (t)	-	X	-
Okla.	*	*	*	*	*
Ore.	X	-	X	X	-
Pa.	-	- (t)	-	X	-
R.I.	-	-	-	X	-
S.C.	X	X	-	X	-
S.D.	*	*	*	*	*
Tenn.	-	X	-	X	-
Tex.	X	-	-	X	-
Utah	X	-	-	X	X
Vt.	X	X	-	X	-
Va.	-	-	-	X	-
Wash.	-	-	-	X	-
W.Va.	-	-	-	X	-
Wisc.	-	-	X	X	X
Wyo.	-	-	-	X	-
Guam	-	-	-	-	-
P.R.	*	*	*	*	*
V.I.	X	-	-	X	-

TABLES 10-45 - 10-46. FOOTNOTES

- (a) Performed in Division of Radiological Health.
- (b) Six month total only. Testing was function of Board of Pharmacy prior to January 1970.
- (c) Race horse samples for drug analysis, 4,231.
- (d) Included with Drug Levels.
- (e) Performed by Section of Analytical Laboratories, Division of Environmental Health.
- (f) Barbiturates, Lead, Arsenic, Mercury, Other Metals, Poisons and Other as one total.
- (g) Toxicology specimens are examined in the State Board of Health's Medical Examiner Laboratory. Some of this work is also performed in the State Bureau of Investigation Laboratory.
- (h) Represents general toxicology, 2,774 specimens, 19,418 exams and race horse analysis, 2,985 specimens, 22,185 exams. General toxicology includes samples submitted by medical examiners, hospitals, physicians and law-enforcement agencies. Many of the samples including race horse analysis require a broad spectrum of analyses for a wide variety of toxic substances.
- (i) Performed by Department of Ecology.
- (j) On July 1, 1968, the Division of Health, together with the Departments of Public Safety and Education assumed responsibility for implementation of the Florida Implied Consent Law. To date, over 1,250 law enforcement technicians and 35 laboratory personnel have been issued permits to perform breath or blood alcohol determinations. As presently envisioned, this activity will be incorporated into the laboratory improvement program operated by this bureau and will also include quality control and calibration of breath testing equipment as well as proficiency testing requirements.
- (k) Included with Occupational Health.
- (l) Silica.
- (m) Includes specimens for Metals, 11,012 specimens, 11,325 exams; Alcohol, Drugs, Narcotics, etc. in specimens other than Tissues or Body Fluids, 8,913 specimens, 26,283 exams; Criminological, etc., 521 specimens, 1,192 exams.
- (n) Grouping by request.
- (o) Used for rapid screening in outbreaks. Positives confirmed by culture.
- (p) Air: Ethylene Oxide 7, Gas Analysis 3; Miscellaneous: Ultraviolet Method for Sulfate 125, Metabolic Products (dry socket) 21, Fluoride Analysis (soil, crops) 7, Solvent Identification 47, Chemplex DAC Determinations 30, Arsenic in Urine 2, Manganese in Blood 1, Strychnine 3, Poison in Orange Crush 1, Foreign Material in Danish Pastry 1; Special: Alcohol Content - Whiskey 9.
- (q) Forensic Serology.
- (r) Pharmaceutical Analysis, 1,008 specimens, 6,018 exams; Bedding and Upholstery Chemistry, 792 specimens, 1,380 exams; Lead in Blood, 1,757 specimens, 1,757 exams; Lead in Paints and Other Products, 1,321 specimens, 1,321 exams.
- (s) Pollen counts.
- (t) IFA test used.
- (u) Rubella HI will be offered in FY 1971.
- (v) Investigative.