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Consolidated Annual Report
ON
STATE & TERRITORIAL
PUBLIC HEALTH LABORATORIES

FISCAL YEAR
1975

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

CONSOLIDATED ANNUAL REPORT
on State and Territorial
Public Health Laboratories
Fiscal Year 1975
For Administrative Use Only

March 1976

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

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PUBLIC HEALTH LABORATORY DIRECTORS

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INTRODUCTION

INTRODUCTION

Diagnostic workload and other varied activities of the laboratories represented by the Association of State and Territorial Public Health Laboratory Directors (ASTPHLD) are described quantitatively in this twelfth Consolidated Annual Report (CAR). Only Pennsylvania did not share its data with the ASTPHLD membership. Thus fifty-one members of the ASTPHLD reported data for the fiscal year 1975, ending June 30, 1975. Florida and New York supplied data for the 1974 calendar year. If some type of activity is not reported in this CAR for a given state, it may mean that a state agency other than the public health laboratory performs that service.

ASTPHLD-member laboratories, whose data is displayed in each table, have been arranged by geographical regions. Several graphs and charts included in this CAR show what type data is contained herein and how it might be displayed in a non-tabular format. It is hoped that these data displays of activity over time can be used to determine progress, or change.

Two major changes from last year's CAR are: (1) reporting of positives has been omitted by concurrence of the ASTPHLD, and (2) the section entitled Special Questions on Diagnostic Workload is not included because no "special questions" were suggested. However, information on screening programs, previously in that section, is included in a table in Section VI, Miscellaneous Information.

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

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

Definitions of "examinations" and "specimens" were provided in the questionnaire.¹ These definitions are helpful as a guide in collecting and reporting data for this Annual Report, but it may be difficult to apply them in some instances. Possible differences in definitions and in formats used by laboratories for recording and reporting data are problems which should be kept in mind when making comparisons between states. The information contained in each Consolidated Annual Report has, nevertheless, been increasingly more accurate and complete.

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

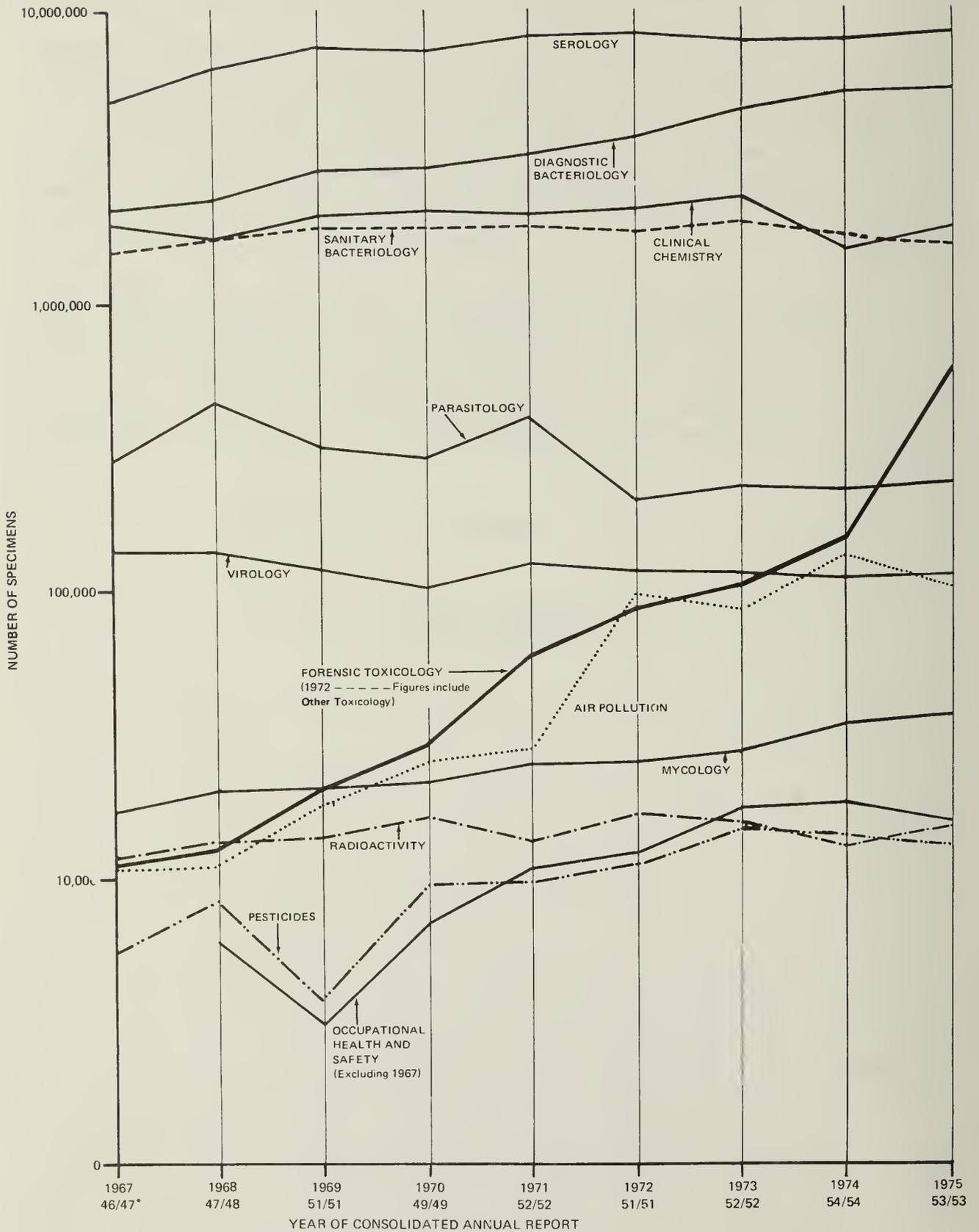
Specimen - A specimen is the material received in the laboratory; for example, this may be a throat swab, tube of blood, bottle of milk, smear on a slide, or a culture for identification. It should be reported in the category for which it was primarily submitted, i.e., "Streptococcus" specimen. If such a specimen is also subjected to testing for diphtheria, it should not be counted as another specimen, since the summation of the specimen columns should be an accurate tally of your total specimen load. However, such examination should be footnoted and referenced to streptococcus specimens.

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

SECTION I

SUMMARY TABLES

Figure 1
SPECIMENS RECEIVED



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

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

	Laboratory Program Service			
	Analytical Services		Research and Development	
	Personnel %	Expenditures %	Personnel %	Expenditures %
New England				
Me.	96.0	96.5	2.0	1.0
N.H.	100.0	100.0	-	-
Vt.	99.0	99.0	-	-
Mass.	41.0	82.0	-	-
R.I.	98.0	98.0	1.0	1.0
Conn.	90.0	90.0	5.0	5.0
Middle Atlantic				
N.Y.	48.0	*	50.0	*
N.J.	74.0	*	20.0	*
Pa.	*	*	*	*
East North Central				
Ohio	58.0	53.5	1.6	0.5
Ind.	94.0	94.0	1.0	1.0
Ill.	95.4	91.0	0.4	2.0
Mich.	58.3	56.1	14.4	14.9
Wisc.	70.0	80.0	10.0	10.0
West North Central				
Minn.	88.0	72.0	2.0	13.0
Ia.	62.0	60.0	-	2.0
Mo.	90.0	*	-	*
N.D.	92.0	92.0	2.0	2.0
S.D.	95.0	95.0	5.0	5.0
Nebr.	94.0	95.0	6.0	5.0
Kans.	90.0	90.0	5.0	5.0
South Atlantic				
Del.	95.0	90.0	-	-
Md.	74.3	74.9	-	-
D.C.	95.0	95.0	-	-
Va.	99.0	99.0	0.5	0.5
W.Va.	64.0	78.0	2.0	2.0
N.C.	74.5	72.0	-	-
S.C.	88.0	85.0	-	1.0
Ga.	99.0	99.0	0.5	0.5
Fla.	83.0	84.0	5.0	5.0
East South Central				
Ky.	65.0	65.0	5.0	5.0
Tenn.	99.3	99.3	0.2	0.2
Ala.	83.0	83.0	15.0	12.0
Miss.	98.0	98.0	1.0	1.0
West South Central				
Ark.	98.0	94.0	-	0.3
La.	46.2	*	-	*
Okla.	94.0	94.0	-	-
Tex.	83.0	83.0	-	-
Mountain				
Mont.	85.0	85.0	5.0	5.0
Ida.	98.7	96.0	-	-
Wyo.	89.6	92.0	-	-
Colo.	96.0	87.0	1.5	3.0
N.M.	97.0	97.0	-	-
Ariz.	83.0	80.0	5.0	5.0
Utah	85.0	80.0	1.0	2.0
Nev.	90.0	80.0	7.0	5.0
Pacific				
Wash.	74.0	74.0	-	-
Ore.	93.0	90.5	1.0	4.2
Cal.	44.0	38.0	6.0	14.0
Alaska	90.0	89.0	-	-
Hawaii	99.5	100.0	-	-
Guam	95.0	95.0	5.0	5.0
P.R.	84.0	90.0	1.0	1.0
V.I.	*	*	*	*

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

	Laboratory Program Service					
	Production of Biologics		Intrastate Laboratory Improvement		Other	
	Personnel %	Expenditures %	Personnel %	Expenditures %	Personnel %	Expenditures %
New England						
Me.	-	-	2.0	2.5	-	-
N.H.	-	-	-	-	-	-
Vt.	-	-	1.0	1.0	-	-
Mass.	22.0	16.9	2.0	1.1	35.0	-
R.I.	-	-	1.0	1.0	-	-
Conn.	-	<1.0	5.0	>4.0	-	-
Middle Atlantic						
N.Y.	-	*	2.0	*	-	*
N.J.	-	*	6.0	*	-	*
Pa.	*	*	*	*	*	*
East North Central						
Ohio	-	-	2.7	3.0	37.7	43.0
Ind.	-	-	5.0	5.0	-	-
Ill.	-	-	4.2	7.0	-	-
Mich.	24.2	25.8	3.1	3.2	-	-
Wisc.	-	-	-	10.0	20.0	-
West North Central						
Minn.	1.3	1.0	8.7	14.0	-	-
Ia.	-	-	5.9	6.0	33.0	32.0
Mo.	-	*	10.0	*	-	*
N.D.	-	-	2.0	2.0	4.0	4.0
S.D.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Kans.	-	-	5.0	5.0	-	-
South Atlantic						
Del.	-	-	5.0	-	-	10.0
Md.	-	-	1.8	2.2	23.9	22.9
D.C.	-	-	5.0	5.0	-	-
Va.	-	-	0.5	0.5	-	-
W.Va.	-	-	4.0	20.0	30.0	-
N.C.	-	-	6.2	7.5	19.3	20.5
S.C.	-	-	3.0	5.0	9.0	9.0
Ga.	-	-	0.5	0.5	-	-
Fla.	-	-	12.0	11.0	-	-
East South Central						
Ky.	-	-	3.0	3.0	27.0	27.0
Tenn.	-	-	0.5	0.5	-	-
Ala.	-	-	2.0	5.0	-	-
Miss.	0.4	0.4	0.6	0.6	-	-
West South Central						
Ark.	-	0.3	2.0	5.0	-	0.4
La.	1.8	*	-	*	52.0	*
Okla.	-	-	6.0	6.0	-	-
Tex.	7.0	7.0	2.0	2.0	8.0	8.0
Mountain						
Mont.	-	-	8.0	8.0	2.0	2.0
Ida.	-	-	1.3	4.0	-	-
Wyo.	-	-	10.4	8.0	-	-
Colo.	-	-	2.5	5.0	-	5.0
N.M.	2.0	2.0	1.0	1.0	-	-
Ariz.	-	-	12.0	15.0	-	-
Utah	1.0	5.0	3.0	5.0	10.0	8.0
Nev.	-	-	3.0	15.0	-	-
Pacific						
Wash.	-	-	12.0	12.0	14.0	14.0
Ore.	-	-	6.0	5.3	-	-
Cal.	3.0	3.0	10.0	9.0	37.0	36.0
Alaska	-	-	3.0	5.0	7.0	6.0
Hawaii	-	-	0.5	-	-	-
Guam	-	-	-	-	-	-
P.R.	11.0	5.0	-	-	4.0	4.0
V.I.	*	*	*	*	*	*

TABLE 1-2. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS

	Total Specimens (a)	Total Exams (a)	Diagnostic Bacteriology		Mycology	
			Specimens	Exams	Specimens	Exams
New England	2,198,898	3,656,729	740,463	887,335	3,505	11,677
Me.	195,878	309,600	56,240	60,689	376	376
N.H.	157,716	200,458	70,192	87,701	77	102
Vt.	153,063	188,351	46,823	49,719	90	90
Mass.	764,363	1,401,071	169,711	188,689	491	-
R. I.	208,581	276,781	89,149	72,094	244	693
Conn.	719,297	1,280,468	308,348	428,443	2,227	10,416
Middle Atlantic	1,194,416	3,010,229	378,020	663,923	3,582	7,599
N. Y.	516,319	852,985	160,484	181,576	2,793	5,626
N. J.	678,097	2,157,244	217,536	482,347	789	1,973
Pa.	*	*	*	*	*	*
East North Central	3,071,014	5,198,456	998,354	1,332,275	10,291	19,893
Ohio	689,958	1,385,239	291,691	332,921	1,022	1,022
Ind.	181,574	319,211	20,326	24,353	1,482	1,482
Ill.	462,846	665,859	206,182	279,156	1,162	6,391
Mich.	1,052,059	1,598,470	389,096	542,376	3,587	7,960
Wisc.	684,577	1,229,677	91,059	153,469	3,038	3,038
West North Central	1,973,144	4,895,995	522,735	1,130,085	6,964	52,628
Minn.	483,557	578,209	150,912	177,607	3,788	8,640
Ia.	450,748	2,440,735	103,102	333,312	1,005	23,643
Mo.	355,889	828,079	77,581	291,637	400	15,054
N. D.	166,924	292,248	48,796	116,541	489	1,467
S. D.	116,933	195,856	36,483	70,828	140	420
Nebr.	119,097	145,851	19,749	25,112	31	71
Kans.	279,996	415,017	86,112	115,048	1,111	3,333
South Atlantic	7,998,476	11,592,989	2,189,244	2,897,299	12,385	45,963
Del.	153,019	207,951	34,324	54,100	30	70
Md.	1,209,234	1,764,785	432,867	457,339	2,425	2,454
D. C.	389,937	555,957	83,593	114,852	-	-
Va.	1,117,166	1,618,929	194,463	356,925	563	1,716
W. Va.	231,120	468,292	77,649	157,621	414	2,050
N. C.	863,504	1,534,463	31,596	62,756	1,628	6,204
S. C.	831,540	1,247,064	232,175	312,245	1,615	26,976
Ga.	1,142,942	1,551,326	399,354	458,867	2,465	2,475
Fla.	2,060,014	2,644,222	703,223	922,594	3,245	4,018
East South Central	3,567,443	4,427,852	1,043,530	1,368,275	6,721	36,266
Ky.	323,309	392,054	29,267	63,535	242	1,266
Tenn.	958,356	1,047,526	380,713	380,713	2,391	2,391
Ala.	1,278,216	1,837,989	400,622	690,703	2,703	31,224
Miss.	1,007,562	1,150,283	232,928	233,324	1,385	1,385
West South Central	3,323,397	3,504,579	503,967	826,628	6,149	25,293
Ark.	374,833	491,468	109,214	177,690	1,939	8,168
La.	859,826	1,091,172	199,171	394,279	1,767	1,767
Okla.	390,430	412,133	110,926	113,076	605	602
Tex.	1,698,308	1,509,806 (b)	84,656	141,583	1,838	14,756
Mountain	1,797,401	2,768,486	786,180	938,599	3,540	5,325
Mont.	118,107	181,070	20,720	50,902	251	251
Ida.	150,552	264,005	45,865	61,357	1,161	1,905
Wyo.	201,799	216,687	169,490	182,864	-	-
Colo.	656,360	869,389	315,547	365,055	165	554
N. M.	233,657	175,459	80,669	31,070	780	-
Ariz.	89,939	268,313	29,308	53,452	1,141	2,457
Utah	201,445	511,412	57,711	87,475	21	89
Nev.	145,542	282,151	66,870	106,424	21	69
Pacific	1,246,377	2,030,836	415,773	627,008	2,791	4,874
Wash.	149,838	320,123	32,962	132,766	407	1,540
Ore.	427,131	769,185	33,307	52,206	346	832
Cal.	163,292	292,793	57,273	57,273	706	706
Alaska	195,264	216,709	85,674	98,031	427	437
Hawaii	310,852	432,026	206,557	286,732	905	1,359
	438,033	899,884	77,874	198,913	548	1,794
Guam	36,026	70,722	7,059	10,159	-	-
P. R.	368,420	785,579	57,231	171,554	341	1,517
V. I.	33,587	43,583	13,584	17,200	207	277
NATIONAL TOTALS	26,808,599	41,986,035	7,656,140	10,870,340	56,476	211,312

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

	Parasitology		Virology		Syphilis Serology	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England	19,243	27,035	14,973	25,744	514,595	561,738
Me.	170	164	642	998	28,340	31,268
N.H.	1,579	1,586	296	860	40,841	44,381
Vt.	947	947	398	723	35,764	37,281
Mass.	32	80	4,179	1,986	257,049	271,926
R.I.	1,248	2,240	148	444	51,050	56,634
Conn.	15,267	22,018	9,310	20,733	101,551	120,248
Middle Atlantic	5,099	13,803	20,724	182,471	356,002	426,680
N.Y.	1,457	2,877	6,359	48,266	108,593	135,415
N.J.	3,642	10,926	14,365	134,205	247,409	291,265
Pa.	*	*	*	*	*	*
East North Central	12,497	13,196	21,263	46,732	755,026	874,571
Ohio	1,281	1,281	4,858	9,649	94,987	124,183
Ind.	1,383	1,383	3,298	6,146	83,598	86,516
Ill.	1,193	1,543	4,439	7,865	100,573	122,352
Mich.	3,642	3,991	3,378	8,470	319,037	365,446
Wisc.	4,998	4,998	5,290	14,602	156,831	176,074
West North Central	15,820	49,293	16,078	179,389	764,412	884,225
Minn.	6,417	12,593	9,441	24,809	237,745	271,506
Ia.	1,340	19,206	2,821	131,978	164,427	236,141
Mo.	916	3,734	1,987	14,995	103,139	103,139
N.D.	584	1,164	492	927	53,924	56,049
S.D.	409	1,471	39	120	32,315	33,590
Nebr.	159	315	740	760	63,220	66,726
Kans.	5,995	10,810	558	5,800	109,642	117,074
South Atlantic	199,248	223,022	17,983	61,993	2,348,734	2,554,612
Del.	279	279	247	492	36,056	38,429
Md.	9,261	9,283	3,214	4,200	227,166	271,172
D.C.	1,530	4,590	201	1,326	197,496	197,496
Va.	24,428	24,455	1,639	6,138	205,968	218,275
W.Va.	1,897	4,449	667	1,805	46,908	51,216
N.C.	4,966	6,565	2,625	16,103	296,479	331,073
S.C.	20,933	21,009	1,254	11,748	230,142	244,515
Ga.	62,522	78,960	3,503	11,581	486,422	516,633
Fla.	73,432	73,432	4,633	8,600	622,097	685,803
East South Central	66,437	69,517	8,293	18,561	1,297,035	1,329,386
Ky.	3,776	7,203	1,709	5,489	146,917	141,367
Tenn.	8,118	8,118	3,008	5,293	369,818	376,804
Ala.	43,792	43,445	2,799	6,260	443,022	464,138
Miss.	10,751	10,751	777	1,519	337,278	347,077
West South Central	60,965	64,824	17,673	56,700	1,269,025	951,269
Ark.	1,861	3,401	1,956	3,498	132,928	140,108
La.	49,509	49,509	5,556	5,556	205,494	205,494
Okla.	2,312	2,230	3,054	3,171	146,524	162,049
Tex.	7,283	9,684	7,107	44,475	784,079	443,618
Mountain	5,942	8,285	11,583	22,470	411,841	507,097
Mont.	386	386	278	278	35,368	38,273
Ida.	341	630	210	570	22,608	25,609
Wyo.	72	72	478	478	14,689	15,587
Colo.	1,316	2,632	546	888	168,680	182,872
N.M.	574	-	1,292	1,518	61,682	71,670
Ariz.	350	950	1,862	11,731	-	47,612
Utah	2,770	3,099	6,917	7,007	69,553	75,679
Nev.	133	516	-	-	39,261	49,795
Pacific	9,407	12,991	11,301	32,522	274,246	300,969
Wash.	1,958	1,991	712	4,929	40,313	48,265
Ore.	861	4,412	2,147	4,981	105,640	109,338
Cal.	1,843	1,843	6,781	20,430	19,269	24,994
Alaska	836	890	597	989	72,683	75,767
Hawaii	3,909	3,855	1,064	1,193	36,341	42,605
	29,151	29,198	233	1,493	141,744	156,791
Guam	2,515	2,515	25	25	6,086	7,002
P.R.	22,077	22,077	208	1,468	128,586	141,913
V.I.	4,559	4,606	-	-	7,072	7,876
TOTALS	423,809	511,164	140,104	628,075	8,132,660	8,547,338

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

	Non-Syphilis Serology		Hematology or Blood Bank		Pathologic Anatomy	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England	75,921	133,058	37,033	71,683	2,981	5,636
Me.	23,200	24,972	7,847	7,847	-	-
N.H.	102	102	4,867	14,237	-	-
Vt.	14,204	14,705	-	-	-	-
Mass.	2,941	17,931	-	-	-	-
R.I.	17,014	17,014	4,950	4,941	-	-
Conn.	18,460	58,334	19,369	44,658	2,981	5,636
Middle Atlantic	204,420	1,124,146	7,519	52,608	14,943	14,943
N.Y.	47,529	73,207	7,519	52,390	14,943	14,943
N.J.	156,891	1,050,939	-	218	-	-
Pa.	*	*	*	*	*	*
East North Central	122,637	270,297	53,905	94,717	168,212	180,247
Ohio	16,473	41,564	4,098	4,903	-	-
Ind.	6,981	26,067	-	-	-	-
Ill.	15,841	59,219	5,023	5,446	-	-
Mich.	42,134	74,058	24,248	56,181	2,169	3,499
Wisc.	41,208	69,389	20,536	28,187	166,043	176,748
West North Central	216,925	694,168	14,405	27,121	222	3,900
Minn.	74,901	78,642	-	-	222	3,900
Ia.	62,900	349,605	-	-	-	-
Mo.	35,194	201,653	1,478	1,552	-	-
N.D.	5,777	18,011	7,165	19,807	-	-
S.D.	15,989	17,210	5,762	5,762	-	-
Nebr.	4,713	5,206	-	-	-	-
Kans.	17,451	23,841	-	-	-	-
South Atlantic	264,010	364,706	509,237	727,768	351,914	402,946
Del.	2,066	2,066	3,404	5,538	46,815	46,815
Md.	91,783	104,447	95,932	172,988	66,979	60,141
D.C.	1,332	1,327	29,421	83,572	23,700	49,665
Va.	19,108	37,610	45,990	54,919	-	-
W.Va.	3,507	11,352	820	1,943	34,095	65,795
N.C.	66,117	84,904	27,454	43,674	180,037	180,037
S.C.	46,363	62,958	81,724	118,401	288	493
Ga.	19,008	31,852	53,307	63,164	-	-
Fla.	14,726	28,190	171,185	183,569	-	-
East South Central	56,860	124,299	268,299	325,660	54,628	96,169
Ky.	17,206	27,072	15,828	25,483	-	-
Tenn.	28,874	36,300	20,304	56,188	-	-
Ala.	6,395	51,643	76,180	86,199	54,628	96,169
Miss.	4,385	9,284	155,987	157,790	-	-
West South Central	69,187	93,916	326,514	246,995	12,866	12,866
Ark.	5,377	16,783	45,364	50,391	-	-
La.	42,192	42,522	53,734	53,734	12,866	12,866
Okla.	3,328	5,643	8,954	11,260	-	-
Tex.	18,290	28,968	218,462	131,610	-	-
Mountain	119,619	163,522	36,110	40,117	1,176	1,384
Mont.	20,755	21,502	-	-	-	-
Ida.	4,116	11,491	3,986	3,339	1,176	1,384
Wyo.	7,880	8,066	-	-	-	-
Colo.	66,490	66,490	20,903	20,903	-	-
N.M.	6,853	6,396	2,652	4,260	-	-
Ariz.	1,230	32,773	1,978	1,960	-	-
Utah	11,891	15,972	303	314	-	-
Nev.	404	832	6,288	9,341	-	-
Pacific	145,336	185,499	13,653	25,172	-	-
Wash.	18,616	20,959	8,316	12,725	-	-
Ore.	86,770	96,165	-	-	-	-
Cal.	24,248	52,186	-	-	-	-
Alaska	9,402	9,402	5,336	9,839	-	-
Hawaii	6,300	6,787	1	2,608	-	-
	4,029	5,024	53,830	132,779	3,527	3,647
Guam	84	69	8,751 (c)	19,763 (c)	3,519	3,639
P.R.	3,909	4,876	44,996	112,850	-	-
V.I.	36	79	83	166	8	8
TOTALS	1,278,944	3,158,635	1,320,505	1,744,620	610,469	721,738

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

	PKU and Other		Clinical Chemistry		Sanitary & Environmental	
	Specimens	Inborn Errors Exams	Specimens	Exams	Microbiology Specimens	Exams
New England	257,269	270,084	269,592	850,918	82,265	142,409
Me.	15,740	15,740	-	-	27,512	27,512
N.H.	15,671	16,757	24,091	34,732	-	-
Vt.	-	-	25,498	39,118	20,528	21,437
Mass.	137,277	139,821	192,630	692,638	53	-
R.I.	11,903	21,088	13,599	17,840	5,052	12,322
Conn.	76,678	76,678	13,774	66,590	29,120	81,138
Middle Atlantic	80,239	81,218	90,495	276,929	20,754	41,843
N.Y.	80,181	80,181	86,461	258,504	*	*
N.J.	58	1,037	4,034	18,425	20,754	41,843
Pa.	*	*	*	*	*	*
East North Central	257,834	257,637	141,377	905,647	331,066	433,060
Ohio	160,171	160,171	9,986	399,322	75,594	81,209
Ind.	-	-	-	-	51,456	74,345
Ill.	-	-	-	-	58,750	90,951
Mich.	97,643	97,443	33,993	110,350	92,202	133,103
Wisc.	20	23	97,398	395,975	53,064	53,452
West North Central	59,015	65,999	20,033	21,892	227,446	441,393
Minn.	70	160	-	-	61	352
Ia.	3,307	6,614	-	-	52,173	179,308
Mo.	39,547	43,134	14,483	14,542	73,765	113,753
N.D.	14,800	14,800	5,550	7,350	22,197	47,310
S.D.	-	-	-	-	17,856	36,104
Nebr.	1,275	1,275	-	-	20,494	20,494
Kans.	16	16	-	-	40,900	44,072
South Atlantic	443,579	629,345	392,089	1,183,064	599,057	829,478
Del.	15,248	15,248	2,495	20,076	10,364	16,207
Md.	57,404	242,457	79,674	122,811	84,461	144,532
D.C.	1,574	2,576	25,354	40,745	3,016	10,728
Va.	76,483	76,446	22,555	22,555	96,003	145,130
W.Va.	22,700	22,700	14,257	108,900	28,206	40,461
N.C.	81,589	81,237	104,124	533,613	48,285	55,666
S.C.	42,129	42,129	52,365	131,633	68,619	109,603
Ga.	70,887	70,987	7,443	16,974	327	756
Fla.	75,565	75,565	83,822	185,757	259,776	306,395
East South Central	194,261	194,261	205,998	213,263	298,756	558,400
Ky.	41,660	41,660	3,218	4,426	51,885	51,885
Tenn.	64,700	64,700	15,136	16,554	65,294	100,465
Ala.	87,901	87,901	5,924	7,221	100,690	207,023
Miss.	-	-	181,720	185,062	80,887	199,027
West South Central	286,205	185,947	59,839	56,235	674,257	816,462
Ark.	20,397	21,362	3,597	10,954	49,292	53,543
La.	53,780	53,780	2,162	4,324	224,263	224,263
Okla.	38,028	37,725	10,338	10,338	58,493	58,171
Tex.	174,000	73,080	43,742	30,619	342,209	480,485
Mountain	55,516	66,383	7,170	15,516	185,258	263,799
Mont.	10,370	10,370	5,717	5,717	13,374	18,619
Ida.	14,475	14,475	98	98	34,904	55,645
Wyo.	-	-	-	-	8,289	8,719
Colo.	-	9,284	-	-	21,763	44,006
N.M.	15,560	15,560	125	125	28,770	*
Ariz.	-	-	-	-	45,894	56,495
Utah	-	-	359	2,065	23,058	33,477
Nev.	15,111	16,694	871	7,511	9,206	46,838
Pacific	114,603	114,605	97,670	390,986	103,169	151,348
Wash.	21,835	21,835	-	-	19,401	26,835
Ore.	88,401	88,403	71,917	364,754	37,703	48,055
Cal.	-	-	400	400	21,722	33,552
Alaska	4,367	4,367	4,367	4,367	11,175	12,083
Hawaii	-	-	20,986	21,465	13,168	30,823
	200	200	90,754	201,579	25,052	125,435
Guam	-	-	6,807	23,996	961	3,335
P.R.	-	-	78,502	171,444	21,761	115,478
V.I.	200	200	5,445	6,139	2,330	6,622
TOTALS	1,748,721	1,865,679	1,375,017	4,116,029	2,547,080	3,803,627

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

	Sanitary & Environmental Chemistry		All Other Examinations	
	Specimens	Exams	Specimens	Exams
New England	63,082	348,622	117,976	320,790
Me.	16,195	117,734	19,616	22,300
N.H.	-	-	-	-
Vt.	5,350	20,940	3,461	3,391
Mass.	-	-	-	88,000
R.I.	6,131	42,917	8,093	28,554
Conn.	35,406	167,031	86,806	178,545
Middle Atlantic	12,291	123,293	328	773
N.Y.	*	*	*	*
N.J.	12,291	123,293	328	773
Pa.	*	*	*	*
East North Central	111,709	485,126	86,843	285,058
Ohio	11,804	161,306	17,993	67,708
Ind.	12,043	96,379	1,007	2,540
Ill.	53,091	72,013	16,592	20,923
Mich.	16,751	47,610	24,179	147,983
Wisc.	18,020	107,818	27,072	45,904
West North Central	57,074	653,096	52,015	692,806
Minn.	-	-	-	-
Ia.	30,436	509,614	29,237	651,314
Mo.	6,595	22,867	804	2,019
N.D.	3,416	5,088	3,734	3,734
S.D.	7,940	28,865	-	1,486
Nebr.	2,051	7,822	6,665	18,070
Kans.	6,636	78,840	11,575	16,183
South Atlantic	100,029	656,846	570,967	1,015,947
Del.	1,513	8,369	178	262
Md.	30,600	127,407	27,468	45,554
D.C.	1,185	4,325	21,535	44,755
Va.	19,942	256,550	410,024	418,210
W.Va.	-	-	-	-
N.C.	13,201	111,000	5,403	21,631
S.C.	21,298	125,110	32,635	40,244
Ga.	-	-	37,704	299,077
Fla.	12,290	24,085	36,020	146,214
East South Central	63,753	88,891	2,872	4,904
Ky.	8,729	17,764	2,872	4,904
Tenn.	-	-	-	-
Ala.	53,560	66,063	-	-
Miss.	1,464	5,064	-	-
West South Central	34,672	144,279	2,078	23,165
Ark.	2,908	5,570	-	-
La.	8,863	42,514	469	564
Okla.	7,868	7,868	-	-
Tex.	15,033	88,327	1,609	22,601
Mountain	63,450	547,240	110,016	188,749
Mont.	2,860	23,867	8,028	10,905
Ida.	5,248	49,369	16,364	38,133
Wyo.	222	222	679	679
Colo.	5,416	89,271	55,534	87,434
N.M.	13,560	15,020	21,140	29,840
Ariz.	3,817	52,457	4,359	8,426
Utah	26,620	274,613	2,242	11,622
Nev.	5,707	42,421	1,670	1,710
Pacific	20,313	106,711	38,115	78,151
Wash.	2,758	43,056	2,560	5,222
Ore.	39	39	-	-
Cal.	13,193	46,557	17,857	54,852
Alaska	360	392	40	145
Hawaii	3,963	16,667	17,658	17,932
	8,049	39,336	3,042	3,695
Guam	219	219	-	-
P.R.	7,797	38,769	3,012	3,633
V.I.	33	348	30	62
TOTALS	534,422	3,193,440	984,252	2,614,038

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

	Diag. Bact. %	Mycology, Parasitology, Virology %	All Serology %	Hematology, Pathologic Anatomy, PKU, Clin. Chem. %	Sanitary & Environmental Microbiology %	Sanitary & Environmental Chemistry %	All Other Exams %
New England							
Me.	19.6	0.5	18.2	7.6	8.9	38.0	7.2
N.H.	43.8	1.3	22.2	32.7	-	-	-
Vt.	26.4	0.9	27.6	20.8	11.4	11.1	1.8
Mass.	13.5	0.2	20.6	59.4	-	-	6.3
R.I.	26.0	1.2	26.6	15.9	4.5	15.5	10.3
Conn.	33.5	4.2	14.0	15.1	6.3	13.0	13.9
Middle Atlantic							
N.Y.	21.3	6.6	24.5	47.6	*	*	*
N.J.	22.4	6.8	62.2	0.9	1.9	5.7	0.1
Pa.	*	*	*	*	*	*	*
East North Central							
Ohio	24.0	0.9	12.0	40.7	5.9	11.6	4.9
Ind.	7.6	2.8	35.3	-	23.3	30.2	0.8
Ill.	41.9	2.4	27.3	0.8	13.7	10.8	3.1
Mich.	33.9	1.3	27.5	16.7	8.3	3.0	9.3
Wisc.	12.5	1.8	20.0	48.9	4.3	8.8	3.7
West North Central							
Minn.	30.7	8.0	60.5	0.7	0.1	-	-
Ia.	13.6	7.2	24.0	0.3	7.3	20.9	26.7
Mo.	35.2	4.1	36.8	7.2	13.7	2.8	0.2
N.D.	39.9	1.2	25.3	14.3	16.2	1.8	1.3
S.D.	36.2	1.0	26.0	2.9	18.4	14.7	0.8
Nebr.	17.2	0.8	49.3	0.9	14.0	5.4	12.4
Kans.	27.7	4.8	34.0	-	10.6	19.0	3.9
South Atlantic							
Del.	26.0	0.4	19.5	42.2	7.8	4.0	0.1
Md.	25.9	0.9	21.3	33.9	8.2	7.2	2.6
D.C.	20.7	1.0	35.8	31.8	1.9	0.8	8.0
Va.	22.0	2.0	15.8	9.5	9.0	15.9	25.8
W.Va.	33.7	1.8	13.3	42.6	8.6	-	-
N.C.	4.1	1.8	27.1	54.7	3.7	7.2	1.4
S.C.	25.0	4.8	24.7	23.5	8.8	10.0	3.2
Ga.	29.6	6.0	35.4	9.7	-	-	19.3
Fla.	34.9	3.3	27.0	16.8	11.6	0.9	5.5
East South Central							
Ky.	16.2	3.6	43.0	18.3	13.2	4.5	1.2
Tenn.	36.3	1.5	39.5	13.1	9.6	-	-
Ala.	37.6	4.4	28.0	15.1	11.3	3.6	-
Miss.	20.3	1.2	31.0	29.8	17.3	0.4	-
West South Central							
Ark.	36.2	3.1	31.9	16.8	10.9	1.1	-
La.	36.1	5.2	22.8	11.4	20.6	3.9	-
Okla.	27.4	1.5	40.7	14.4	14.1	1.9	-
Tex.	9.4	4.6	31.3	15.6	31.8	5.8	1.5
Mountain							
Mont.	28.1	0.5	33.0	8.9	10.3	13.2	6.0
Ida.	23.2	1.2	14.1	7.3	21.1	18.7	14.4
Wyo.	84.4	0.3	10.9	-	4.0	0.1	0.3
Colo.	42.0	0.5	28.7	3.5	5.0	10.3	10.0
N.M.	17.7	0.9	44.5	11.4	-	8.5	17.0
Ariz.	19.9	5.6	30.0	0.7	21.1	19.6	3.1
Utah	17.1	2.0	17.9	0.5	6.5	53.7	2.3
Nev.	37.7	0.2	18.0	11.9	16.6	15.0	0.6
Pacific							
Wash.	41.5	2.6	21.6	10.8	8.4	13.5	1.6
Ore.	6.8	1.3	26.7	58.9	6.3	-	-
Cal.	19.6	7.8	26.4	0.1	11.5	15.9	18.7
Alaska	45.2	1.0	39.3	8.6	5.6	0.2	0.1
Hawaii	66.4	1.5	11.4	5.6	7.1	3.9	4.1
Guam	14.4	3.6	10.0	67.0	4.7	0.3	-
P.R.	21.8	3.2	18.7	36.2	14.7	4.9	0.5
V.I.	39.5	11.2	18.3	14.9	15.2	0.8	0.1

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

	Estimated Population (d)	Number of Specimens	Number of Exams	Ratio of Specimens to Exams	Ratio of Exams to Population
New England	12,150,000	2,198,898	3,656,729	1:1.7	1:3.3
Me.	1,028,000	195,878	309,600	1:1.6	1:3.3
N.H.	791,000	157,716	200,458	1:1.3	1:3.9
Vt.	464,000	153,063	188,351	1:1.2	1:2.5
Mass.	5,818,000	764,363	1,401,071	1:1.8	1:4.2
R.I.	973,000	208,581	276,781	1:1.3	1:3.5
Conn.	3,076,000	719,297	1,280,468	1:1.8	1:2.4
Middle Atlantic	37,528,000	1,194,416	3,010,229	1:2.5	1:8.5
N.Y.	18,265,000	516,319	852,985	1:1.7	1:21.4
N.J.	7,361,000	678,097	2,157,244	1:3.2	1:3.4
Pa.	11,902,000 (e)	*	*	*	*
East North Central	40,896,000	3,071,014	5,198,456	1:1.7	1:7.9
Ohio	10,731,000	689,958	1,385,239	1:2.0	1:7.7
Ind.	5,316,000	181,574	319,211	1:1.8	1:16.7
Ill.	11,236,000	462,846	665,859	1:1.4	1:16.9
Mich.	9,044,000	1,052,059	1,598,470	1:1.5	1:5.7
Wisc.	4,569,000	684,577	1,229,677	1:1.8	1:3.7
West North Central	16,704,000	1,973,144	4,895,995	1:2.5	1:3.4
Minn.	3,897,000	483,557	578,209	1:1.2	1:6.7
Ia.	2,904,000	450,748	2,440,735	1:5.4	1:1.2
Mo.	4,757,000	355,889	828,079	1:2.3	1:5.7
N.D.	640,000	166,924	292,248	1:1.8	1:2.2
S.D.	685,000	116,933	195,856	1:1.7	1:3.5
Nebr.	1,542,000	119,097	145,851	1:1.2	1:10.6
Kans.	2,279,000	279,996	415,017	1:1.5	1:5.5
South Atlantic	32,460,000	7,998,476	11,592,989	1:1.4	1:2.8
Del.	576,000	153,019	207,951	1:1.4	1:2.8
Md.	4,070,000	1,209,234	1,764,785	1:1.5	1:2.3
D.C.	746,000	389,937	555,957	1:1.4	1:1.3
Va.	4,811,000	1,117,166	1,618,929	1:1.4	1:3.0
W.Va.	1,794,000	231,120	468,292	1:2.0	1:3.8
N.C.	5,273,000	863,504	1,534,463	1:1.8	1:3.4
S.C.	2,726,000	831,540	1,247,064	1:1.5	1:2.2
Ga.	4,786,000	1,142,942	1,551,326	1:1.4	1:3.1
Fla.	7,678,000	2,060,014	2,644,222	1:1.3	1:2.9
East South Central	13,288,000	3,567,443	4,427,852	1:1.2	1:3.0
Ky.	3,342,000	323,309	392,054	1:1.2	1:8.5
Tenn.	4,126,000	958,356	1,047,526	1:1.1	1:3.9
Ala.	3,539,000	1,278,216	1,837,989	1:1.4	1:1.9
Miss.	2,281,000	1,007,562	1,150,283	1:1.1	1:2.0
West South Central	20,258,000	3,323,397	3,504,579	1:1.1	1:5.8
Ark.	2,037,000	374,833	491,468	1:1.3	1:4.1
La.	3,764,000	859,826	1,091,172	1:1.3	1:3.4
Okla.	2,663,000	390,430	412,133	1:1.1	1:6.5
Tex.	11,794,000	1,698,308	1,509,806	1:0.9	1:7.8
Mountain	9,150,000	1,797,401	2,768,486	1:1.5	1:3.3
Mont.	721,000	118,107	181,070	1:1.5	1:4.0
Ida.	770,000	150,552	264,005	1:1.8	1:2.9
Wyo.	353,000	201,799	216,687	1:1.1	1:1.6
Colo.	2,437,000	656,360	869,389	1:1.3	1:2.8
N.M.	1,106,000	233,657	175,459	1:0.8	1:6.3
Ariz.	2,058,000	89,939	268,313	1:3.0	1:7.7
Utah	1,157,000	201,445	511,412	1:2.5	1:2.3
Nev.	548,000	145,542	282,151	1:1.9	1:1.9
Pacific	27,417,000	1,246,377	2,030,836	1:1.6	1:13.5
Wash.	3,429,000	149,838	320,123	1:2.1	1:10.7
Ore.	2,225,000	427,131	769,185	1:1.8	1:2.9
Cal.	20,601,000	163,292	292,793	1:1.8	1:70.4
Alaska	330,000	195,264	216,709	1:1.1	1:1.5
Hawaii	832,000	310,852	432,026	1:1.4	1:1.9
	2,859,000	438,033	899,884	1:2.1	1:3.2
Guam	85,000	36,026	70,722	1:2.0	1:1.2
P.R.	2,712,000	368,420	785,579	1:2.1	1:3.5
V.I.	62,000	33,587	43,583	1:1.3	1:1.4
NATIONAL TOTALS	212,710,000	26,808,599	41,986,035	1:1.6	1:4.8

TABLE 1-5. RATIOS OF PERSONNEL TO POPULATION

	Estimated Population (d)	Total Personnel (f)	Professional and Technical Personnel (f)	Ratio of Total Personnel to Population	Ratio of Prof. & Tech. Personnel to Population
New England					
Me.	1,028,000	49	34	1:20,980	1:30,235
N.H.	791,000	21	14	1:37,667	1:56,500
Vt.	464,000	27	19	1:17,185	1:24,421
Mass.	5,818,000	216	59	1:26,935	1:98,610
R.I.	973,000	70	50	1:13,900	1:19,460
Conn.	3,076,000	223	137	1:13,794	1:22,453
Middle Atlantic					
N.Y.	18,265,000	771	479	1:23,690	1:38,132
N.J.	7,361,000	206	137	1:35,733	1:53,730
Pa.	11,902,000	*	*	*	*
East North Central					
Ohio	10,731,000	186	108	1:57,694	1:99,361
Ind.	5,316,000	79	51	1:67,291	1:104,235
Ill.	11,236,000	136	76	1:82,618	1:147,842
Mich.	9,044,000	412	227	1:21,951	1:39,841
Wisc.	4,569,000	151	85	1:30,258	1:53,753
West North Central					
Minn.	3,897,000	86	44	1:45,314	1:88,568
Ia.	2,904,000	102	61	1:28,471	1:47,607
Mo.	4,757,000	50	32	1:95,140	1:148,656
N.D.	640,000	35	23	1:18,286	1:27,826
S.D.	685,000	20	13	1:34,250	1:52,692
Nebr.	1,542,000	28	20	1:55,071	1:77,100
Kans.	2,279,000	70½	42	1:32,326	1:54,262
South Atlantic					
Del.	576,000	32	22	1:18,000	1:26,182
Md.	4,070,000	266	186	1:15,301	1:21,882
D.C.	746,000	56	45	1:13,321	1:16,578
Va.	4,811,000	279	201	1:17,244	1:23,935
W.Va.	1,794,000	52	31	1:34,500	1:57,871
N.C.	5,273,000	130	80	1:40,562	1:65,913
S.C.	2,726,000	115	83	1:23,704	1:32,843
Ga.	4,786,000	145	77	1:33,007	1:62,156
Fla.	7,678,000	220	136	1:34,900	1:56,456
East South Central					
Ky.	3,342,000	69	33	1:48,435	1:101,273
Tenn.	4,126,000	143	76	1:28,853	1:54,289
Ala.	3,539,000	184	105	1:19,234	1:33,705
Miss.	2,281,000	47	30	1:48,532	1:76,033
West South Central					
Ark.	2,037,000	49	31	1:41,571	1:65,710
La.	3,764,000	140	66	1:26,886	1:57,030
Okla.	2,663,000	54½	35	1:48,862	1:76,086
Tex.	11,794,000	158	95	1:74,646	1:124,147
Mountain					
Mont.	721,000	30	16	1:24,033	1:45,063
Ida.	770,000	70	51	1:11,000	1:15,098
Wyo.	353,000	12	7	1:29,417	1:50,429
Colo.	2,437,000	78	50	1:31,244	1:48,740
N.M.	1,106,000	65	33	1:17,015	1:33,515
Ariz.	2,058,000	59	39	1:34,881	1:52,769
Utah	1,157,000	57	39	1:20,298	1:29,667
Nev.	548,000	25	14	1:21,920	1:39,143
Pacific					
Wash.	3,429,000	79½	40	1:43,132	1:85,725
Ore.	2,225,000	48½	33½	1:46,114	1:66,917
Cal.	20,601,000	319	192	1:64,580	1:107,297
Alaska	330,000	32	12	1:10,313	1:27,500
Hawaii	832,000	48	30	1:17,333	1:27,733
Guam	85,000	13	10	1:6,538	1:8,500
P.R.	2,712,000	105	58	1:25,829	1:46,759
V.I.	62,000	9	6	1:6,889	1:10,333

TABLE 1-6. RATIOS OF EXPENDITURES TO PERSONNEL

	Total Expenditures	Total Personnel (f)	Professional and Technical Personnel (f)	Expenditures per Employee	Expenditures per Prof. & Tech. Employee
New England					
Me.	\$ 679,554	49	34	\$ 13,868.45	\$ 19,986.88
N.H.	247,097	21	14	11,766.52	17,649.79
Vt.	383,479	27	19	14,202.93	20,183.11
Mass.	3,216,593	216	59	14,891.63	54,518.53
R.I.	1,035,711	70	50	14,795.87	20,714.22
Conn.	2,812,975	223	137	12,614.24	20,532.66
Middle Atlantic					
N.Y.	*	771	479	*	*
N.J.	3,003,649	206	137	14,580.82	21,924.45
Pa.	*	*	*	*	*
East North Central					
Ohio	2,406,394	186	108	12,937.60	22,281.43
Ind.	963,116	79	51	12,191.34	18,884.63
Ill.	2,357,340	136	76	17,333.38	31,017.63
Mich.	8,089,700	412	227	19,635.19	35,637.44
Wisc.	3,389,994	151	85	22,450.29	39,882.28
West North Central					
Minn.	*	86	44	*	*
Ia.	1,869,016	102	61	18,323.69	30,639.61
Mo.	638,818	50	32	12,776.36	19,963.06
N.D.	317,659	35	23	9,075.97	13,811.26
S.D.	247,374	20	13	12,368.70	19,028.77
Nebr.	330,241	28	20	11,794.32	16,512.05
Kans.	982,361	70½	42	13,934.20	23,389.55
South Atlantic					
Del.	216,734	32	22	6,772.94	9,851.55
Md.	3,742,874	266	186	14,070.95	20,122.98
D.C.	1,019,255	56	45	18,200.98	22,650.11
Va.	3,274,370	279	201	11,736.09	16,290.40
W.Va.	643,410	52	31	12,373.27	20,755.16
N.C.	2,004,598	130	80	15,419.98	25,057.48
S.C.	1,401,093	115	83	12,183.42	16,880.64
Ga.	2,267,084	145	77	15,635.06	29,442.65
Fla.	3,092,721	220	136	14,057.82	22,740.60
East South Central					
Ky.	956,759	69	33	13,866.07	28,992.70
Tenn.	1,659,439	143	76	11,604.47	21,834.72
Ala.	2,553,720	184	105	13,878.91	24,321.14
Miss.	730,314	47	30	15,538.60	24,343.80
West South Central					
Ark.	581,877	49	31	11,875.04	18,770.23
La.	1,705,358	140	66	12,181.13	25,838.76
Okla.	594,657	54½	35	10,911.14	16,990.20
Tex.	1,900,100	158	95	12,025.95	20,001.05
Mountain					
Mont.	341,807	30	16	11,393.57	21,362.94
Ida.	1,055,510	70	51	15,078.71	20,696.27
Wyo.	200,438	12	7	16,703.17	28,634.00
Colo.	1,170,044	78	50	15,000.56	23,400.88
N.M.	965,140	65	33	14,848.31	29,246.67
Ariz.	982,908	59	39	16,659.46	25,202.77
Utah	728,188	57	39	12,775.23	18,671.49
Nev.	425,982	25	14	17,039.28	30,427.29
Pacific					
Wash.	*	79½	40	*	*
Ore.	819,205	48½	33½	16,978.34	24,637.74
Cal.	7,178,418	319	192	22,502.88	37,387.59
Alaska	793,400	32	12	24,793.75	66,116.67
Hawaii	721,812	48	30	15,037.75	24,060.40
Guam	164,456	13	10	12,650.46	16,445.60
P.R.	822,108	105	58	7,829.60	14,174.28
V.I.	*	9	6	*	*

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

Rank	State	Expenditures	Rank	State	Per Capita Expenditures
1	Mich.	\$ 8,089,700	1	Alaska	\$ 2.404
2	Cal.	7,178,418	2	Guam	1.935
3	Md.	3,742,874	3	Ida.	1.371
4	Wisc.	3,389,994	4	D.C.	1.366
5	Va.	3,274,370	5	R.I.	1.064
6	Mass.	3,216,593	6	Md.	0.920
7	Fla.	3,092,721	7	Conn.	0.914
8	N.J.	3,003,649	8	Mich.	0.894
9	Conn.	2,812,975	9	N.M.	0.873
10	Ala.	2,553,720	10	Hawaii	0.868
11	Ohio	2,406,394	11	Vt.	0.826
12	Ill.	2,357,340	12	Nev.	0.777
13	Ga.	2,267,084	13	Wisc.	0.742
14	N.C.	2,004,598	14	Ala.	0.722
15	Tex.	1,900,100	15	Va.	0.681
16	Ia.	1,869,016	16	Me.	0.661
17	La.	1,705,358	17	Ia.	0.644
18	Tenn.	1,659,439	18	Utah	0.629
19	S.C.	1,401,093	19	Wyo.	0.568
20	Colo.	1,170,044	20	Mass.	0.553
21	Ida.	1,055,510	21	S.C.	0.514
22	R.I.	1,035,711	22	N.D.	0.496
23	D.C.	1,019,255	23	Colo.	0.480
24	Ariz.	982,908	24	Ariz.	0.478
25	Kans.	982,361	25	Mont.	0.474
26	N.M.	965,140	26	Ga.	0.474
27	Ind.	963,116	27	La.	0.453
28	Ky.	956,759	National Average		0.444
29	P.R.	822,108	28	Kans.	0.431
30	Ore.	819,205	29	N.J.	0.408
31	Alaska	793,400	30	Fla.	0.403
32	Miss.	730,314	31	Tenn.	0.402
33	Utah	728,188	32	N.C.	0.380
34	Hawaii	721,812	33	Del.	0.376
35	Me.	679,554	34	Ore.	0.368
36	W.Va.	643,410	35	S.D.	0.361
37	Mo.	638,818	36	W.Va.	0.359
38	Okla.	594,657	37	Cal.	0.348
39	Ark.	581,877	38	Miss.	0.320
40	Nev.	425,982	39	N.H.	0.312
41	Vt.	383,479	40	P.R.	0.303
42	Mont.	341,807	41	Ky.	0.290
43	Nebr.	330,241	42	Ark.	0.286
44	N.D.	317,659	43	Ohio	0.224
45	S.D.	247,374	44	Okla.	0.223
46	N.H.	247,097	45	Nebr.	0.214
47	Del.	216,734	46	Ill.	0.210
48	Wyo.	200,438	47	Ind.	0.181
49	Guam	164,456	48	Tex.	0.161
			49	Mo.	0.134

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

State	Expenditures	State	Per Capita Expenditures
New England		New England	\$ 0.689
Mass.	\$ 3,216,593	R.I.	1.064
Conn.	2,812,975	Conn.	0.914
R.I.	1,035,711	Vt.	0.826
Me.	679,554	Me.	0.661
Vt.	383,479	Mass.	0.553
N.H.	247,097	N.H.	0.312
Middle Atlantic		Middle Atlantic	0.408
N.J.	3,003,649	N.J.	0.408
East North Central		East North Central	0.421
Mich.	8,089,700	Mich.	0.894
Wisc.	3,389,994	Wisc.	0.742
Ohio	2,406,394	Ohio	0.224
Ill.	2,357,340	Ill.	0.210
Ind.	963,116	Ind.	0.181
West North Central		West North Central	0.342
Ia.	1,869,016	Ia.	0.644
Kans.	982,361	N.D.	0.496
Mo.	638,818	Kans.	0.431
Nebr.	330,241	S.D.	0.361
N.D.	317,659	Nebr.	0.214
S.D.	247,374	Mo.	0.134
South Atlantic		South Atlantic	0.544
Md.	3,742,874	D.C.	1.366
Va.	3,274,370	Md.	0.920
Fla.	3,092,721	Va.	0.681
Ga.	2,267,084	S.C.	0.514
N.C.	2,004,598	Ga.	0.474
S.C.	1,401,093	Fla.	0.403
D.C.	1,019,255	N.C.	0.380
W.Va.	643,410	Del.	0.376
Del.	216,734	W.Va.	0.359
East South Central		East South Central	0.444
Ala.	2,553,720	Ala.	0.722
Tenn.	1,659,439	Tenn.	0.402
Ky.	956,759	Miss.	0.320
Miss.	730,314	Ky.	0.290
West South Central		West South Central	0.236
Tex.	1,900,100	La.	0.453
La.	1,705,358	Ark.	0.286
Okla.	594,657	Okla.	0.223
Ark.	581,877	Tex.	0.161
Mountain		Mountain	0.642
Colo.	1,170,044	Ida.	1.371
Ida.	1,055,510	N.M.	0.873
Ariz.	982,908	Nev.	0.777
N.M.	965,140	Utah	0.629
Utah	728,188	Wyo.	0.568
Nev.	425,982	Colo.	0.480
Mont.	341,807	Ariz.	0.478
Wyo.	200,438	Mont.	0.474
Pacific		Pacific	0.397
Cal.	7,178,418	Alaska	2.404
Ore.	819,205	Hawaii	0.868
Alaska	793,400	Ore.	0.368
Hawaii	721,812	Cal.	0.348
P.R.	822,108		0.353
Guam	164,456	Guam	1.935
		P.R.	0.303

TABLE 1-8. RANKING OF STATES BY POPULATION AND BY NUMBER OF SPECIMENS RECEIVED

Rank	State	Population	Rank	State	Number of Specimens Received (h)
1	Cal.	20,601,000	1	Fla.	2,060,014
2	N.Y.	18,265,000	2	Tex.	1,698,308
3	Pa.	11,902,000	3	Ala.	1,278,216
4	Tex.	11,794,000	4	Md.	1,209,234
5	Ill.	11,236,000	5	Ga.	1,142,942
6	Ohio	10,731,000	6	Va.	1,117,166
7	Mich.	9,044,000	7	Mich.	1,052,059
8	Fla.	7,678,000	8	Miss.	1,007,562
9	N.J.	7,361,000	9	Tenn.	958,356
10	Mass.	5,818,000	10	N.C.	863,504
11	Ind.	5,316,000	11	La.	859,826
12	N.C.	5,273,000	12	S.C.	831,540
13	Va.	4,811,000	13	Mass.	764,363
14	Ga.	4,786,000	14	Conn.	719,297
15	Mo.	4,757,000	15	Ohio	689,958
16	Wisc.	4,569,000	16	Wisc.	684,577
17	Tenn.	4,126,000	17	N.J.	678,097
18	Md.	4,070,000	18	Colo.	656,360
19	Minn.	3,897,000	19	N.Y.	516,319
20	La.	3,764,000	20	Minn.	483,557
21	Ala.	3,539,000	21	Ill.	462,846
22	Wash.	3,429,000	22	Ia.	450,748
23	Ky.	3,342,000	23	Ore.	427,131
24	Conn.	3,076,000	24	Okla.	390,430
25	Ia.	2,904,000	25	D.C.	389,937
26	S.C.	2,726,000	26	Ark.	374,833
27	P.R.	2,712,000	27	P.R.	368,420
28	Okla.	2,663,000	28	Mo.	355,889
29	Colo.	2,437,000	29	Ky.	323,309
30	Miss.	2,281,000	30	Hawaii	310,852
31	Kans.	2,279,000	31	Kans.	279,996
32	Ore.	2,225,000	32	N.M.	233,657
33	Ariz.	2,058,000	33	W.Va.	231,120
34	Ark.	2,037,000	34	R.I.	208,581
35	W.Va.	1,794,000	35	Wyo.	201,799
36	Nebr.	1,542,000	36	Utah	201,445
37	Utah	1,157,000	37	Me.	195,878
38	N.M.	1,106,000	38	Alaska	195,264
39	Me.	1,028,000	39	Ind.	181,574
40	R.I.	973,000	40	N.D.	166,924
41	Hawaii	832,000	41	Cal.	163,292
42	N.H.	791,000	42	N.H.	157,716
43	Ida.	770,000	43	Vt.	153,063
44	D.C.	746,000	44	Del.	153,019
45	Mont.	721,000	45	Ida.	150,552
46	S.D.	685,000	46	Wash.	149,838
47	N.D.	640,000	47	Nev.	145,542
48	Del.	576,000	48	Nebr.	119,097
49	Nev.	548,000	49	Mont.	118,107
50	Vt.	464,000	50	S.D.	116,933
51	Wyo.	353,000	51	Ariz.	89,939
52	Alaska	330,000	52	Guam	36,026
53	Guam	85,000	53	V.I.	33,587
54	V.I.	62,000			

TABLE 1-8A. RANKING OF STATES BY POPULATION AND BY NUMBER OF SPECIMENS RECEIVED ARRANGED BY REGION

State	Population	State	Number of Specimens Received (h)
New England		New England	
Mass.	5,818,000	Mass.	764,363
Conn.	3,076,000	Conn.	719,297
Me.	1,028,000	R.I.	208,581
R.I.	973,000	Me.	195,878
N.H.	791,000	N.H.	157,716
Vt.	464,000	Vt.	153,063
Middle Atlantic		Middle Atlantic	
N.Y.	18,265,000	N.J.	678,097
Pa.	11,902,000	N.Y.	516,319
N.J.	7,361,000		
East North Central		East North Central	
Ill.	11,236,000	Mich.	1,052,059
Ohio	10,731,000	Ohio	689,958
Mich.	9,044,000	Wisc.	684,577
Ind.	5,316,000	Ill.	462,846
Wisc.	4,569,000	Ind.	181,574
West North Central		West North Central	
Mo.	4,757,000	Minn.	483,557
Minn.	3,897,000	Ia.	450,748
Ia.	2,904,000	Mo.	355,889
Kans.	2,279,000	Kans.	279,996
Nebr.	1,542,000	N.D.	166,924
S.D.	685,000	Nebr.	119,097
N.D.	640,000	S.D.	116,933
South Atlantic		South Atlantic	
Fla.	7,678,000	Fla.	2,060,014
N.C.	5,273,000	Md.	1,209,234
Va.	4,811,000	Ga.	1,142,942
Ga.	4,786,000	Va.	1,117,166
Md.	4,070,000	N.C.	863,504
S.C.	2,726,000	S.C.	831,540
W.Va.	1,794,000	D.C.	389,937
D.C.	746,000	W.Va.	231,120
Del.	576,000	Del.	153,019
East South Central		East South Central	
Tenn.	4,126,000	Ala.	1,278,216
Ala.	3,539,000	Miss.	1,007,562
Ky.	3,342,000	Tenn.	958,356
Miss.	2,281,000	Ky.	323,309
West South Central		West South Central	
Tex.	11,794,000	Tex.	1,698,308
La.	3,764,000	La.	859,826
Okla.	2,663,000	Okla.	390,430
Ark.	2,037,000	Ark.	374,833
Mountain		Mountain	
Colo.	2,437,000	Colo.	656,360
Ariz.	2,058,000	N.M.	233,657
Utah	1,157,000	Wyo.	201,799
N.M.	1,106,000	Utah	201,445
Ida.	770,000	Ida.	150,552
Mont.	721,000	Nev.	145,542
Nev.	548,000	Mont.	118,107
Wyo.	353,000	Ariz.	89,939
Pacific		Pacific	
Cal.	20,601,000	Ore.	427,131
Wash.	3,429,000	Hawaii	310,852
Ore.	2,225,000	Alaska	195,264
Hawaii	832,000	Cal.	163,292
Alaska	330,000	Wash.	149,838
P.R.	2,712,000	P.R.	368,420
Guam	85,000	Guam	36,026
V.I.	62,000	V.I.	33,587

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

Rank	State	Number of Budgeted Positions
1	New York	823
2	Michigan	443
3	California	330
4	Virginia	299
5	Maryland	272
6	Massachusetts	262
7	Florida	232
8	Connecticut	231
9	New Jersey	212
10	Ohio	196
11	Alabama	185
12	Texas	172
13	Wisconsin	160
14	Georgia	151
15	Tennessee	148
16	Louisiana	145
17	Illinois	141
18	Puerto Rico	137
19	North Carolina	130
20	South Carolina	127
21	Iowa	104
22	Minnesota	87
23	Washington	86
24	Colorado	82
25	Indiana	81
26	Kansas	74½
27	Kentucky	73
27	Rhode Island	73
29	Idaho	71
30	New Mexico	66
31	Arizona	60
32	Utah	58
33	D.C.	57
34	Oklahoma	56½
35	West Virginia	55
36	Oregon	54½
37	Arkansas	51
37	Mississippi	51
37	Missouri	51
40	Hawaii	50
40	Maine	50
42	North Dakota	35
43	Delaware	34
44	Alaska	32
45	Montana	31
46	Nebraska	29
47	Vermont	28
48	Nevada	26
49	New Hampshire	21
50	South Dakota	20
51	Guam	14
52	Wyoming	12
53	Virgin Islands	11

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

State	Number of Budgeted Positions
New England	
Mass.	262
Conn.	231
R.I.	73
Me.	50
Vt.	28
N.H.	21
Middle Atlantic	
N.Y.	823
N.J.	212
East North Central	
Mich.	443
Ohio	196
Wisc.	160
Ill.	141
Ind.	81
West North Central	
Ia.	104
Minn.	87
Kans.	74½
Mo.	51
N.D.	35
Nebr.	29
S.D.	20
South Atlantic	
Va.	299
Md.	272
Fla.	232
Ga.	151
N.C.	130
S.C.	127
D.C.	57
W.Va.	55
Del.	34
East South Central	
Ala.	185
Tenn.	148
Ky.	73
Miss.	51
West South Central	
Tex.	172
La.	145
Okla.	56½
Ark.	51
Mountain	
Colo.	82
Ida.	71
N.M.	66
Ariz.	60
Utah	58
Mont.	31
Nev.	26
Wyo.	12
Pacific	
Cal.	330
Wash.	86
Ore.	54½
Hawaii	50
Alaska	32
P.R.	137
Guam	14
V.I.	11

SECTION I. FOOTNOTES

- (a) Specimen and examination figures are shown as reported by the States; no estimates were made for figures missing anywhere in the Annual Questionnaire.
- (b) Texas reported all examinations in Relative Value Units.
- (c) Includes EKC, 290 specimens, 290 exams, not shown in further breakdown in workload section.
- (d) Estimated population as of July 1, 1973. Taken from Statistical Abstract of the United States: 1974. U. S. Bureau of the Census. (95th Edition) Washington, D. C., 1974, Pages 12 and 810. Figures for Guam, Puerto Rico, and the Virgin Islands are as of April 1, 1970, based on census count.
- (e) Omitted from calculations.
- (f) Based on filled positions.
- (g) States not included in Table: New York, Pennsylvania, Minnesota, Washington, and Virgin Islands.
- (h) Pennsylvania not included.

SECTION II

DIAGNOSTIC WORKLOAD

TABLE 2-3. DIAGNOSTIC BACTERIOLOGY:
MYCOBACTERIUM

	Specimens	Exams
New England		
Me.	3,632	7,407
N.H.	8,170	12,486
Vt.	2,276	4,434
Mass.	-	-
R.I.	1,089	2,337
Conn.	7,804	35,511
Middle Atlantic		
N.Y.	11,148	25,969
N.J.	23,020	165,744
Pa.	*	*
East North Central		
Ohio	9,045	18,648
Ind.	4,134	4,134
Ill.	3,994	16,989
Mich.	15,704	21,254
Wisc.	7,752	1,274
West North Central		
Minn.	15,593	29,336
Ia.	5,742	62,727
Mo.	-	-
N.D.	3,743	11,225
S.D.	4,454	14,273
Nebr.	1,484	3,769
Kans.	7,039	15,784
South Atlantic		
Del.	-	-
Md.	16,495	32,396
D.C.	-	-
Va.	23,517	84,190
W.Va.	9,982	19,796
N.C.	15,964	28,464
S.C.	16,410	68,401
Ga.	35,006	69,467
Fla.	51,690	164,087
East South Central		
Ky.	5,597	19,065
Tenn.	28,087	28,087
Ala.	47,098	255,453
Miss.	25,098	25,098
West South Central		
Ark.	22,701	51,249
La.	37,469	112,407
Okla.	8,725	8,318
Tex.	17,409	10,982
Mountain		
Mont.	4,297	23,415
Ida.	1,984	4,207
Wyo.	792	804
Colo.	2,339	4,950
N.M.	7,557	13,180
Ariz.	10,519	19,437
Utah	2,416	14,590
Nev.	2,265	8,805
Pacific		
Wash.	5,237	33,049
Ore.	3,402	7,293
Cal.	1,873	1,873
Alaska	12,099	14,302
Hawaii	6,671	20,763
Guam	2,052	5,156
P.R.	-	-
V.I.	580	674

TABLE 2-4. DIAGNOSTIC BACTERIOLOGY:
ENTERIC CULTURES

	Specimens	Exams
New England		
Me.	1,220	1,218
N.H.	1,898	5,785
Vt.	1,592	1,592
Mass.	9,949	*
R.I.	3,469	3,839
Conn.	12,928	28,102
Middle Atlantic		
N.Y.	2,136	1,502
N.J.	7,527	32,366
Pa.	*	*
East North Central		
Ohio	2,403	1,548
Ind.	2,002	2,002
Ill.	4,315	17,260
Mich.	15,671	30,055
Wisc.	7,195	7,195
West North Central		
Minn.	5,487	11,858
Ia.	2,606	12,883
Mo.	1,607	61,041
N.D.	3,653	14,612
S.D.	2,851	11,557
Nebr.	262	444
Kans.	5,612	17,266
South Atlantic		
Del.	595	8,679
Md.	7,290	7,290
D.C.	1,280	5,120
Va.	10,916	32,502
W.Va.	466	933
N.C.	2,530	3,699
S.C.	414	941
Ga.	22,280	44,526
Fla.	23,147	99,010
East South Central		
Ky.	1,450	4,970
Tenn.	7,077	7,077
Ala.	5,874	29,181
Miss.	5,671	5,671
West South Central		
Ark.	2,918	16,045
La.	11,162	90,608
Okla.	1,594	1,570
Tex.	7,723	22,867
Mountain		
Mont.	754	7,762
Ida.	1,168	4,837
Wyo.	298	298
Colo.	2,768	6,817
N.M.	3,432	3,432
Ariz.	3,561	6,255
Utah	3,390	9,694
Nev.	487	3,119
Pacific		
Wash.	3,551	23,589
Ore.	2,125	6,276
Cal.	782	782
Alaska	2,749	1,291
Hawaii	8,559	29,967
Guam	1,158	1,158
P.R.	269	11,152
V.I.	928	3,140

TABLE 2-5. DIAGNOSTIC BACTERIOLOGY:
ENTERIC SEROGROUPING

	Specimens	Exams
New England		
Me.	-	219
N.H.	85	129
Vt.	435	435
Mass.	3,969(c)	*
R.I.	250	250
Conn.	8,276	9,584
Middle Atlantic		
N.Y.	-	1,399
N.J.	1,800(c)	1,800(c)
Pa.	*	*
East North Central		
Ohio	-	1,102
Ind.	83	83
Ill.	4,753	19,012
Mich.	568	568
Wisc.	6,657	12,648
West North Central		
Minn.	1,166	1,166
Ia.	1,024	3,074
Mo.	553	3,926
N.D.	108	145
S.D.	-	-
Nebr.	-	36
Kans.	1,170	1,170
South Atlantic		
Del.	64	340
Md.	1,234	1,337
D.C.	154	462
Va.	-	-
W.Va.	-	80
N.C.	-	-
S.C.	-	29
Ga.	1,459	1,459
Fla.	1,675	(c)
East South Central		
Ky.	(c)	301
Tenn.	3,028	3,028
Ala.	-	-
Miss.	(c)	252
West South Central		
Ark.	704	704
La.	1,678	3,356
Okla.	297	297
Tex.	1,021	3,677
Mountain		
Mont.	250	250
Ida.	(c)	746
Wyo.	78	78
Colo.	-	874
N.M.	-	-
Ariz.	-	(d)
Utah	-	377
Nev.	891	891
Pacific		
Wash.	911	911
Ore.	312	312
Cal.	4,457	4,457
Alaska	321	321
Hawaii	-	-
Guam	130	130
P.R.	75	1,000
V.I.	42	48

TABLE 2-6. DIAGNOSTIC BACTERIOLOGY:
ENTERIC SEROTYPING

	Specimens	Exams
New England		
Me.	-	1
N.H.	-	-
Vt.	277	277
Mass.	983(c)	*
R.I.	250	250
Conn.	1,458	1,638
Middle Atlantic		
N.Y.	-	1,552
N.J.	1,277(c)	1,277(c)
Pa.	*	*
East North Central		
Ohio	-	1,004
Ind.	83	83
Ill.	4,753	19,012
Mich.	1,490	1,852
Wisc.	7,151	37,185
West North Central		
Minn.	480	480
Ia.	534	6,675
Mo.	553	8,302
N.D.	108	526
S.D.	-	67
Nebr.	-	-
Kans.	1,170	1,170
South Atlantic		
Del.	-	-
Md.	-	1,337
D.C.	164	492
Va.	-	-
W.Va.	-	80
N.C.	-	1,817
S.C.	-	24
Ga.	1,459	1,459
Fla.	922	1,844
East South Central		
Ky.	(c)	229
Tenn.	1,427	1,427
Ala.	603	3,618
Miss.	(c)	37
West South Central		
Ark.	566	566
La.	1,678	3,356
Okla.	241	241
Tex.	1,625	17,185
Mountain		
Mont.	143	143
Ida.	(c)	253
Wyo.	-	-
Colo.	-	874
N.M.	-	-
Ariz.	-	1,598(d)
Utah	-	377
Nev.	-	-
Pacific		
Wash.	526	526
Ore.	238	238
Cal.	4,457	4,457
Alaska	(e)	-
Hawaii	-	-
Guam	-	-
P.R.	50	500
V.I.	47	54

TABLE 2-7. DIAGNOSTIC BACTERIOLOGY:
BACTERIOPHAGE TYPING

	Specimens	Examinations	
		Staphylococcus	Salmonella
New England			
Me.	-	-	-
N.H.	-	-	-
Vt.	203	203	-
Mass.	-	-	-
R.I.	-	-	-
Conn.	1,934	2,932	-
Middle Atlantic			
N.Y.	-	2,136	-
N.J.	499	*	*
Pa.	*	*	*
East North Central			
Ohio	5,120	5,120	-
Ind.	-	164	-
Ill.	1,792	1,729	63
Mich.	2,805	2,829	-
Wisc.	252(e)	-	-
West North Central			
Minn.	4	(e)	4
Ia.	-	-	-
Mo.	98	*	*
N.D.	-	-	-
S.D.	-	-	-
Nebr.	-	-	-
Kans.	1,528	1,528	-
South Atlantic			
Del.	-	-	-
Md.	2,590	2,590	-
D.C.	-	-	-
Va.	1,115	1,128	-
W.Va.	-	-	-
N.C.	-	-	-
S.C.	-	-	-
Ga.	38	-	38
Fla.	-	-	-
East South Central			
Ky.	527	1,558	-
Tenn.	3,355	3,355	-
Ala.	-	-	-
Miss.	-	-	-
West South Central			
Ark.	-	-	-
La.	-	-	-
Okla.	-	-	-
Tex.	4,422	8,766	261
Mountain			
Mont.	56	(e)	-
Ida.	-	-	-
Wyo.	-	-	-
Colo.	-	-	-
N.M.	280	-	-
Ariz.	-	-	-
Utah	-	-	-
Nev.	-	-	-
Pacific			
Wash.	-	-	-
Ore.	-	-	-
Cal.	171	-	171
Alaska	(e)	-	-
Hawaii	2,210	2,205	5
Guam	-	-	-
P.R.	-	-	-
V.I.	-	-	-

TABLE 2-8. DIAGNOSTIC BACTERIOLOGY:
BLOOD CULTURES

	Specimens	Exams
New England		
Me.	-	-
N.H.	36	46
Vt.	<10	<10
Mass.	212	*
R.I.	-	-
Conn.	86	179
Middle Atlantic		
N.Y.	-	-
N.J.	-	-
Pa.	*	*
East North Central		
Ohio	-	-
Ind.	-	-
Ill.	-	-
Mich.	84	91
Wisc.	62	121
West North Central		
Minn.	82	173
Ia.	8	90
Mo.	109	3,043
N.D.	252	1,260
S.D.	20	20
Nebr.	-	-
Kans.	21	21
South Atlantic		
Del.	-	-
Md.	518	518
D.C.	-	-
Va.	709	1,400
W.Va.	21	21
N.C.	(f)	(f)
S.C.	17	39
Ga.	189	188
Fla.	26	54
East South Central		
Ky.	1	8
Tenn.	-	-
Ala.	111	1,732
Miss.	95	200
West South Central		
Ark.	40	105
La.	1,539	1,539
Okla.	-	-
Tex.	7	9
Mountain		
Mont.	33	63
Ida.	-	-
Wyo.	-	-
Colo.	(g)	(g)
N.M.	10	*
Ariz.	130	246
Utah	8	220
Nev.	-	-
Pacific		
Wash.	52	1,664
Ore.	-	-
Cal.	*	*
Alaska	*	*
Hawaii	22	39
Guam	2	2
P.R.	23	156
V.I.	229	229

TABLE 2-9. DIAGNOSTIC BACTERIOLOGY:
SPINAL FLUID CULTURES

	Specimens	Exams
New England		
Me.	-	-
N.H.	-	-
Vt.	<10	<10
Mass.	57	*
R.I.	-	-
Conn.	1	1
Middle Atlantic		
N.Y.	-	-
N.J.	2	5
Pa.	*	*
East North Central		
Ohio	-	-
Ind.	-	-
Ill.	-	-
Mich.	-	-
Wisc.	7	11
West North Central		
Minn.	11	22
Ia.	-	-
Mo.	43	743
N.D.	41	82
S.D.	-	-
Nebr.	5	5
Kans.	4	8
South Atlantic		
Del.	-	-
Md.	(f)	(f)
D.C.	-	-
Va.	41	568
W.Va.	8	8
N.C.	(f)	(f)
S.C.	1	2
Ga.	14	14
Fla.	2	6
East South Central		
Ky.	1	4
Tenn.	-	-
Ala.	38	520
Miss.	2	4
West South Central		
Ark.	23	69
La.	-	-
Okla.	-	-
Tex.	-	-
Mountain		
Mont.	19	29
Ida.	-	-
Wyo.	-	-
Colo.	(g)	(g)
N.M.	10	*
Ariz.	(g)	(g)
Utah	20	440
Nev.	-	-
Pacific		
Wash.	26	832
Ore.	-	-
Cal.	*	*
Alaska	*	*
Hawaii	8	11
Guam	1	1
P.R.	7	30
V.I.	31	31

TABLE 2-10. DIAGNOSTIC BACTERIOLOGY:
WOUNDS, LESIONS, AND BODY FLUIDS

TABLE 2-11. DIAGNOSTIC BACTERIOLOGY:
DENTAL CARIES CULTURES

	Specimens	Exams	Specimens	Exams
New England				
Me.	439	439	-	-
N.H.	381	501	-	-
Vt.	<10	<10	-	-
Mass.	802	*	-	-
R.I.	223	669	-	-
Conn.	105	560	-	-
Middle Atlantic				
N.Y.	230	179	-	-
N.J.	-	-	-	-
Pa.	*	*	*	*
East North Central				
Ohio	5,549	7,313	-	-
Ind.	-	497	-	-
Ill.	(f)	(f)	-	-
Mich.	12,219	19,251	4,734	4,512
Wisc.	5,802	23,985	-	-
West North Central				
Minn.	21	63	-	-
Ia.	1,021	33,060	-	-
Mo.	162	5,840	-	-
N.D.	4,058	12,000	-	-
S.D.	-	-	-	-
Nebr.	-	-	-	-
Kans.	24	48	-	-
South Atlantic				
Del.	-	-	-	-
Md.	12,174	12,174	-	-
D.C.	176	704	-	-
Va.	1,581	7,732	115	115
W.Va.	120	120	-	-
N.C.	(f)	(f)	-	-
S.C.	13	32	-	-
Ga.	601	599	-	-
Fla.	1,403	3,485	942	942
East South Central				
Ky.	-	-	-	-
Tenn.	-	-	477	477
Ala.	256	4,968	-	-
Miss.	941	941	-	-
West South Central				
Ark.	14	39	-	-
La.	5,051	5,051	4	4
Okla.	-	-	-	-
Tex.	1,884	39,720	480	624
Mountain				
Mont.	456	779	-	-
Ida.	(g)	(g)	-	-
Wyo.	-	-	-	-
Colo.	(g)	(g)	50	50
N.M.	20	*	-	-
Ariz.	371	1,277	-	-
Utah	75	560	-	-
Nev.	-	-	-	-
Pacific				
Wash.	686	21,952	-	-
Ore.	-	-	-	-
Cal.	125	125	-	-
Alaska	3,005	3,005	114	114
Hawaii	254	538	-	-
Guam	9	9	-	-
P.R.	100	818	-	-
V.I.	359	540	-	-

TABLE 2-12. DIAGNOSTIC BACTERIOLOGY:
URINE CULTURES

	Specimens	Exams
New England		
Me.	-	-
N.H.	236	236
Vt.	<10	<10
Mass.	(h)	-
R.I.	-	-
Conn.	20	40
Middle Atlantic		
N.Y.	-	-
N.J.	28	120
Pa.	*	*
East North Central		
Ohio	65	65
Ind.	-	-
Ill.	(f)	(f)
Mich.	14,180	24,861
Wisc.	543	860
West North Central		
Minn.	-	-
Ia.	-	-
Mo.	59	3,363
N.D.	5,049	15,147
S.C.	-	-
Nebr.	-	-
Kans.	19	19
South Atlantic		
Del.	774	5,128
Md.	11,112	18,243
D.C.	1,462	4,386
Va.	100	676
W.Va.	117	468
N.C.	-	-
S.C.	89	267
Ga.	183	184
Fla.	3,005	3,005
East South Central		
Ky.	-	-
Tenn.	-	-
Ala.	121	2,168
Miss.	791	791
West South Central		
Ark.	-	-
La.	-	-
Okla.	-	-
Tex.	-	-
Mountain		
Mont.	96	118
Ida.	(g)	(g)
Wyo.	-	-
Colo.	(g)	(g)
N.M.	15	*
Ariz.	-	-
Utah	1	11
Nev.	-	-
Pacific		
Wash.	-	-
Ore.	-	-
Cal.	*	*
Alaska	1,890	4,865
Hawaii	835	1,947
Guam	477	477
P.R.	3,452	27,988
V.I.	1,057	2,050

TABLE 2-13. DIAGNOSTIC BACTERIOLOGY:
GENITAL SMEARS

	Specimens	Exams
	2,310	2,310
	535	535
	736	1,476
	5,202	5,202
	968	968
	17,980	32,060
	303	303
	2,702	2,702
	*	*
	6,873	6,873
	7,907	7,907
	20,577	20,577
	80,502	96,562
	-	17,154
	64,815	64,815
	1,806	4,515
	5,672	10,808
	775	775
	706	706
	1,940	1,940
	1,792	1,792
	8,412	8,412
	20,990	20,990
	702	1,404
	10,505	10,505
	1,755	5,191
	1,440(i)	1,440
	3,416	3,416
	17,204	17,103
	33,374	33,374
	7,500	7,500
	297	297
	18,315	46,142
	114(i)	114
	278	278
	5,495	5,495
	3,380	3,380
	26	29
	57	57
	2,408	2,408
	199	199
	1,339	1,339
	1,302	*
	323	431
	150	150
	13,327	13,327
	2,448	2,448
	1,979	1,979
	1,543	1,543
	776	776
	309	309
	451	451
	3,616	3,876
	727	750

TABLE 2-14. DIAGNOSTIC BACTERIOLOGY:
NEISSERIA GONORRHOEAE CULTURES

TABLE 2-15. DIAGNOSTIC BACTERIOLOGY:
REFERRED CULTURES

	Specimens	Exams	Specimens	Exams
New England				
Me.	25,757	25,312	364	364
N.H.	24,189	25,061	331	851
Vt.	16,515	16,515	449	449
Mass.	41,475	46,930	955	*
R.I.	28,531	*	205	*
Conn.	28,608	31,168	935	4,051
Middle Atlantic				
N.Y.	139,973	139,973	3,048	4,917
N.J.	171,922	257,883	3,034	12,811
Pa.	*	*	*	*
East North Central				
Ohio	70,776	70,776	2,026	2,026
Ind.	92	92	1,050	1,050
Ill.	107,705	112,299	1,541	9,246
Mich.	94,155	93,996	2,112	2,226
Wisc.	17,154	16,078	1,899	*
West North Central				
Minn.	60,088	60,722	2,590	7,770
Ia.	43,109	64,664	1,563	43,181
Mo.	23,511	40,649	859	34,774
N.D.	3,123	5,246	-	-
S.D.	5,591	9,661	1,129	5,694
Nebr.	12,504	14,504	770	882
Kans.	37,666	39,458	1,869	1,869
South Atlantic				
Del.	23,078	24,124	-	-
Md.	303,179	303,179	(f)	(f)
D.C.	70,561	70,561	-	-
Va.	73,712	132,680	1,036	1,036
W.Va.	39,795	80,471	575	1,725
N.C.	218	947	3,522	*
S.C.	207,124	222,701	2,029	7,381
Ga.	298,269	298,294	3,622	3,622
Fla.	564,892	564,892	4,617	9,234
East South Central				
Ky.	12,854	25,821	704	3,440
Tenn.	180,704	180,704	8,102	8,102
Ala.	270,679	275,369	1,153	15,040
Miss.	138,706	138,706	(f)	(f)
West South Central				
Ark.	70,057	79,658	491	1,227
La.	103,883	103,883	250	750
Okla.	78,739	78,508	266	266
Tex.	41,017	26,411	57	523
Mountain				
Mont.	9,808	12,008	669	966
Ida.	25,423	28,835	680	2,482
Wyo.	1,719	1,890	46	46
Colo.	43,123	45,988	(g)	(g)
N.M.	48,800	*	2,000	*
Ariz.	8,985	18,177	1,680	*
Utah	22,824	23,334	189	*
Nev.	47,894	49,012	490	490
Pacific				
Wash.	14,461	16,945	1,455	25,425
Ore.	1,112	2,263	304	652
Cal.	37,481	37,481	5,650	5,650
Alaska	44,813	44,782	*	*
Hawaii	126,716	128,474	3	3
Guam	2,148	2,148	24	20
P.R.	39,064	102,664	10	200
V.I.	6,712	6,712	-	-

TABLE 2-16. DIAGNOSTIC BACTERIOLOGY:
ANTIBIOTIC SENSITIVITY

TABLE 2-17. DIAGNOSTIC
BACTERIOLOGY: MISCELLANEOUS

	Mycobacteria		Other		Specimens	Exams
	Specimens	Exams	Specimens	Exams		
New England						
Me.	275	275	-	-	333	333
N.H.	-	-	515	1,750	3,070	4,123
Vt.	82	82	-	-	183	183
Mass.	-	-	-	-	685	*
R.I.	-	-	-	-	-	-
Conn.	397	397	85	85	-	-
Middle Atlantic						
N.Y.	450	450	272	272	-	-
N.J.	1,941(j)	1,941(j)	696(j)	696(j)	2,718	4,077
Pa.	*	*	*	*	*	*
East North Central						
Ohio	250	250	287	287	138	138
Ind.	432	432	-	-	-	-
Ill.	666	666	41	41	887	4,435
Mich.	1,054	1,054	11,042	11,042	826	1,698
Wisc.	-	372	2,689	2,689	-	-
West North Central						
Minn.	211	211	-	-	-	-
Ia.	549	7,961	867	5,631	550	17,600
Mo.	-	-	-	-	388	21,791
N.D.	58	116	7,513	15,026	-	-
S.D.	73	73	657	657	684(k)	684
Nebr.	45	45	-	-	-	-
Kans.	306	306	88	88	1,419	1,820
South Atlantic						
Del.	-	-	424	424	300	2,443
Md.	913	913	9,265	9,265	-	-
D.C.	1,551	1,551	-	-	1,638	6,552
Va.	448	448	43	43	484	1,190
W.Va.	303	303	588	588	354	708
N.C.	444	444	-	-	1,197	17,837
S.C.	-	-	276	276	*	5,715
Ga.	917	917	-	-	-	-
Fla.	100	100	2,450	2,450	1,526	2,753
East South Central						
Ky.	576	576	-	-	55	55
Tenn.	2,056	2,056	-	-	-	-
Ala.	745	745	18	18	9	9
Miss.	383	383	97	97	-	-
West South Central						
Ark.	532	532	-	-	537	1,338
La.	5,063	5,063	4,806	4,806	2,651	2,651
Okla.	250	250	69	69	-	-
Tex.	1,752	3,854	-	-	-	-
Mountain						
Mont.	94	94	4	4	108	163
Ida.	43	43	383	383	928	1,622
Wyo.	-	-	-	-	-	-
Colo.	-	107	-	-	582	2,560
N.M.	1,760	*	25	*	1,000	*
Ariz.	-	529	-	-	534	1,291
Utah	9	9	294	294	-	-
Nev.	150	150	762	762	*	27,522(1)
Pacific						
Wash.	302	302	132	132	-	-
Ore.	9	9	-	-	103	670
Cal.	419	419	-	-	315(m)	315
Alaska	3,796	3,796	2,957	2,957	3,417	3,417
Hawaii	-	-	458	459	4,504	8,396
Guam	-	-	396	396	62	62
P.R.	-	-	2,983	7,763	986	5,039
V.I.	-	-	1,600	1,600	257	257(n)

TABLES 2-1 -- 2-17. FOOTNOTES

- (a) Smears submitted for N. gonorrhoeae.
- (b) All examinations reported as relative value units.
- (c) Counted with Enteric Cultures.
- (d) Enteric Serogrouping and Enteric Serotyping included together.
- (e) Referred to CDC.
- (f) Included in other categories.
- (g) Included with Miscellaneous, Table 2-17.
- (h) Included with Referred Cultures, Table 2-15.
- (i) GC smears.
- (j) Counted in other culture totals.
- (k) Sterility packs.
- (l) Supplementary tests.
- (m) Food Surveillance, Drug Surveillance, Brucella Vaccines.
- (n) Trichomonas cultures.

TABLE 2-18. MYCOLOGY

	Mycology Cultures		Referred for Identification	
	Specimens	Exams	Specimens	Exams
New England				
Me.	124	124	252	252
N.H.	69	94	8	8
Vt.	79	79	11	11
Mass.	491	*	352(a)	*
R.I.	39	78	205	615
Conn.	1,985	9,167	242	1,249
Middle Atlantic				
N.Y.	1,911	3,842	882	1,784
N.J.	142	355	647	1,618
Pa.	*	*	*	*
East North Central				
Ohio	68	68	954	954
Ind.	914	914	568	568
Ill.	581	3,486	581	2,905
Mich.	2,930	7,303	657	657
Wisc.	2,558	2,558	480	480
West North Central				
Minn.	3,788	8,640	370(a)	(a)
Ia.	832	17,069	173	6,574
Mo.	200	7,527	200	7,527
N.D.	409	1,227	80	240
S.D.	-	-	140	420
Nebr.	14	37	17	34
Kans.	759	2,277	352	1,056
South Atlantic				
Del.	30	70	-	-
Md.	2,425	2,454	(a)	(a)
D.C.	-	-	-	-
Va.	362	1,010	201	706
W.Va.	414	2,050	-	-
N.C.	1,059	5,635	569	569
S.C.	1,138	24,552	477	2,424
Ga.	1,449	1,459	1,016	1,016
Fla.	3,245	4,018	*	*
East South Central				
Ky.	58	286	184	980
Tenn.	2,182	2,182	209	209
Ala.	2,104	26,432	599	4,792
Miss.	1,385	1,385	(a)	(a)
West South Central				
Ark.	1,807	7,572	132	596
La.	1,717	1,717	50	50
Okla.	356	353	249	249
Tex.	332	2,257	1,506	12,499
Mountain				
Mont.	251	251	-	-
Ida.	1,161	1,905	*	*
Wyo.	-	-	-	-
Colo.	138	475	27	79
N.M.	370	*	410	*
Ariz.	1,141	2,457	(b)	-
Utah	21	89	-	-
Nev.	21	69	-	-
Pacific				
Wash.	112	112	295	1,428
Ore.	97	330	249	502
Cal.	116	116	590	590
Alaska	427	437	-	-
Hawaii	544	998	361	361
Guam	-	-	-	-
P.R.	338	1,511	3	6
V.I.	207	277	-	-

TABLE 2-19. PARASITOLOGY

	Parasites		Blood Parasites, Microscopic		Referred Specimens	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	170	164	-	-	-	-
N.H.	1,577	1,584	-	-	2	2
Vt.	943	943	2	2	2	2
Mass.	8	8	8	32	16	40
R.I.	1,248	2,240	-	-	-	-
Conn.	15,190	21,909	6	12	71	97
Middle Atlantic						
N.Y.	803	1,579	10	10	644	1,288
N.J.	3,604	10,812	25	75	13	39
Pa.	*	*	*	*	*	*
East North Central						
Ohio	1,183	1,183	-	-	98	98
Ind.	1,383	1,383	-	-	-	-
Ill.	1,172	1,522	13	13	8	8
Mich.	3,637	3,986	5	5	-	-
Wisc.	4,995	4,995	3	3	-	-
West North Central						
Minn.	6,369	12,545	14	14	34	34
Ia.	1,321	19,154	7	32	12	20
Mo.	914	3,730	2	4	-	-
N.D.	580	1,160	4	4	-	-
S.D.	401	1,463	-	-	8	8
Nebr.	156	312	3	3	-	-
Kans.	5,987	10,802	2	2	6	6
South Atlantic						
Del.	279	279	-	-	-	-
Md.	9,250	9,272	11	11	(c)	(c)
D.C.	1,530	4,590	-	-	-	-
Va.	24,422	24,449	-	-	6	6
W.Va.	1,897	4,449	-	-	-	-
N.C.	4,964	6,561	2	4	-	*
S.C.	20,831	20,907	1	1	101	101
Ga.	62,481	78,919	41	41	-	-
Fla.	73,371	73,371	26	26	35	35
East South Central						
Ky.	3,427	6,854	1	1	348	348
Tenn.	8,114	8,114	4	4	-	-
Ala.	43,758	43,411	19	19	15	15
Miss.	10,737	10,738	14	14	(c)	(c)
West South Central						
Ark.	1,851	3,391	6	6	4	4
La.	49,457	49,457	11	11	41	41
Okla.	2,311	2,229	-	-	1	1
Tex.	3,808	6,035	3,475	3,649	-	-
Mountain						
Mont.	386	386	-	-	-	-
Ida.	335	624	6	6	*	*
Wyo.	72	72	-	-	-	-
Colo.	1,316	2,632	-	-	-	-
N.M.	553	*	1	*	20	*
Ariz.	342	942	8	8	(b)	-
Utah	2,770	3,099	-	-	-	-
Nev.	133	516	-	-	-	-
Pacific						
Wash.	1,953	1,986	5	5	-	-
Ore.	823	4,261	11	11	27	140
Cal.	1,657	1,657	136	136	50	50
Alaska	833	881	3	9	-	-
Hawaii	3,897	3,838	1	1	11	16
Guam	2,515	2,515	-	-	-	-
P.R.	22,073	22,073	4	4	-	-
V.I.	4,556	4,603	3	3	-	-

TABLE 2-20. VIROLOGY: RABIES

	Specimens	Microscopic	Examinations	
			Animal Inoculation	FRA
New England				
Me.	287	-	9	259
N.H.	296	-	262	598
Vt.	270	-	24	270
Mass.	723(d)	674	638	674
R.I.	148	148	148	148
Conn.	669	-	448	669
Middle Atlantic				
N.Y.	2,862	-	714	2,148
N.J.	4,955	5,622	18,614	6,009
Pa.	*	*	*	*
East North Central				
Ohio	3,149	1,966	63	3,041
Ind.	2,939	2,897	2	2,896
Ill.	3,086	-	-	3,028
Mich.	1,784	-	704	2,529
Wisc.	2,410	-	587	2,359
West North Central				
Minn.	1,299	-	831	1,259
Ia.	799	-	7,671	13,790
Mo.	1,492	2,984	3,832	2,984
N.D.	435	435	-	435
S.D.	39	39	-	81
Nebr.	740	-	-	760
Kans.	-	-	-	-
South Atlantic				
Del.	247	246	-	246
Md.	1,342	182(e)	697	1,174
D.C.	56	70	-	-
Va.	1,135	917	814	1,180
W.Va.	570	574	501	633
N.C.	1,490	1,481	78	1,493
S.C.	812	1	7	801
Ga.	2,243	2,243	21	2,243
Fla.	3,325	3,325	-	2,613
East South Central				
Ky.	1,442	1,442	1,346	1,447
Tenn.	2,452	2,309	72	2,356
Ala.	2,380	823	2,130	1,631
Miss.	777	742	-	777
West South Central				
Ark.	1,837	1,749	-	1,749
La.	5,537	1,751	1,379	2,407
Okla.	2,247	-	261	2,103
Tex.	5,542	33,644	543	591
Mountain				
Mont.	(f)	-	-	-
Ida.	85	170	37(g)	-
Wyo.	478	-	-	478
Colo.	-	-	311	577
N.M.	1,122	5	221	1,122
Ariz.	1,862	-	*	1,844
Utah	157	156	143	156
Nev.	-	-	-	-
Pacific				
Wash.	291	-	822	505
Ore.	337	-	1	325
Cal.	1,047	-	68	1,047
Alaska	151	-	230	151
Hawaii	4	-	-	4
Guam	25	-	-	25
P.R.	208	-	849	619
V.I.	-	-	-	-

TABLE 2-21. VIROLOGY: VIRAL ISOLATIONS (h)

	Total Specimens	Total Exams	Human Source		Animal Source	
			Specimens	Exams	Specimens	Exams
New England						
Me.	355	730	355	730	-	-
N.H.	-	-	-	-	-	-
Vt.	128	429	128	429	-	-
Mass.	3,456	*	808	*	2,648	*
R.I.	-	-	-	-	-	-
Conn.	8,641	19,616	8,641	19,616	-	-
Middle Atlantic						
N.Y.	3,497	45,404	3,497	2,990	*	42,414
N.J.	9,410	103,960	8,008	83,786	1,611	19,560
Pa.	*	*	*	*	*	*
East North Central						
Ohio	1,709	4,579	764	893	945	3,686
Ind.	359	351	359	351	-	-
Ill.	1,353	4,837	1,353	4,837	-	-
Mich.	1,594	5,237	1,594	5,237	-	-
Wisc.	2,880	11,656	2,879	11,652	-	-
West North Central						
Minn.	8,142	22,719	7,759	21,953	383	766
Ia.	2,022	110,517	1,901	105,975	121	4,542
Mo.	495	5,195	434	4,547	61	648
N.D.	57	57	57	57	-	-
S.D.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Kans.	558	5,800	314	3,120	244	2,680
South Atlantic						
Del.	(i)	-	-	-	-	-
Md.	1,872	2,147	1,872	2,147	-	-
D.C.	145	1,256	145	1,256	-	-
Va.	504	3,227	504	3,227	-	-
W.Va.	97	97	97	97	-	-
N.C.	1,135	13,051	1,030	12,927(j)	105	124(j)
S.C.	442	10,939	442	10,939	-	-
Ga.	1,260	7,074	1,083	6,744	168	297
Fla.	1,308	2,662	1,054	2,152	254	510
East South Central						
Ky.	267	1,254	267	1,254	-	-
Tenn.	556	556	540	540	16	16
Ala.	419	1,676	412	1,648	7	28
Miss.	-	-	-	-	-	-
West South Central						
Ark.	119	(k)	118	(k)	1	(k)
La.	19	19	19	19	-	-
Okla.	807	807	807	807	-	-
Tex.	1,565	9,697	816	5,548	749	4,149
Mountain						
Mont.	278	278	278	278	(1)	-
Ida.	125	363	125	363	-	-
Wyo.	-	-	-	-	-	-
Colo.	546	*	546	*	-	-
N.M.	170	170	170	170	-	-
Ariz.	(m)	9,887	(m)	9,887	-	-
Utah	6,760	6,552	6,760	6,552	-	-
Nev.	-	-	-	-	-	-
Pacific						
Wash.	421	3,602	414	3,527	7	75
Ore.	1,810	4,655	1,810	4,655	-	-
Cal.	5,734	19,315	3,828	17,349	1,906	1,966
Alaska	446	608	364	392	82	216
Hawaii	1,060	1,189	1,060	1,189	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-22. VIROLOGY: HUMAN SOURCE ISOLATIONS

	Throat Washings		Fecal		CSF	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	136	272	119	238	65	130
N.H.	-	-	-	-	-	-
Vt.	45	181	18	55	47	169
Mass.	224	*	169	*	186	*
R.I.	-	-	-	-	-	-
Conn.	3,820	8,172	3,745	9,019	463	991
Middle Atlantic						
N.Y.	*	535	*	1,125	*	524
N.J.	282	4,312	1,981	15,848	722	5,776
Pa.	*	*	*	*	*	*
East North Central						
Ohio	237	321	127	127	253	257
Ind.	79	79	92	92	108	101
Ill.	296	1,025	407	1,750	279	844
Mich.	217	1,690	579	1,390	203	497
Wisc.	1,187	5,385	658	2,629	349	1,050
West North Central						
Minn.	2,494	7,482	1,324	2,648	682	2,046
Ia.	650	34,346	487	36,801	274	12,772
Mo.	160	1,215	93	1,251	92	1,193
N.D.	11	11	25	25	17	17
S.D.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Kans.	64	630	150	1,500	47	460
South Atlantic						
Del.	-	-	-	-	-	-
Md.	*	*	*	*	*	*
D.C.	27	334	32	281	20	275
Va.	158	1,105	148	895	69	406
W.Va.	14	14	35	35	35	35
N.C.	375	*	269	*	-	-
S.C.	187	5,595	115	2,692	50	934
Ga.	413	2,532	270	1,620	203	1,218
Fla.	53	107	666	1,362	190	384
East South Central						
Ky.	94	508	48	232	65	185
Tenn.	123	123	102	102	131	131
Ala.	118	472	146	584	81	324
Miss.	-	-	-	-	-	-
West South Central						
Ark.	42	*	15	*	33	*
La.	19	19	-	-	-	-
Okla.	350	350	95	95	75	75
Tex.	134	911	282	1,917	249	1,693
Mountain						
Mont.	98	98	78	78	34	34
Ida.	78	321(n)	5	(n)	-	-
Wyo.	-	-	-	-	-	-
Colo.	252	*	104	*	79	*
N.M.	59	59	39	39	39	39
Ariz.	*	5,817	*	3,890	*	74
Utah	120	*	102	*	63	*
Nev.	-	-	-	-	-	-
Pacific						
Wash.	90	1,235	152	1,149	86	454
Ore.	860	2,157	480	1,191	190	506
Cal.	691	4,591	1,003	9,351	535	856
Alaska	125	129	110	134	14	14
Hawaii	619	728	119	120	147	147
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-22. VIROLOGY: HUMAN SOURCE ISOLATIONS
(Continued)

	Blood		Tissue		Other	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	-	-	11	22	24	68
N.H.	-	-	-	-	-	-
Vt.	-	-	-	-	18	24
Mass.	4	*	90	*	135	*
R.I.	-	-	-	-	-	-
Conn.	4	8	134	326	475	1,100
Middle Atlantic						
N.Y.	*	7	*	799(o)	*	(o)
N.J.	58	464	245	11,025	4,270	46,361
Pa.	*	*	*	*	*	*
East North Central						
Ohio	13	13	56	77	78	98
Ind.	1	1	15	15	64	63
Ill.	-	-	72	216	299	1,002
Mich.	2	8	135	534	458	1,118
Wisc.	5	18	129	538	552	2,032
West North Central						
Minn.	488	1,464	652	1,956	2,119	6,357
Ia.	46	626	47	3,494	397	17,936
Mo.	-	-	12	197	77	691
N.D.	-	-	-	-	4	4
S.D.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Kans.	1	10	3	30	49	490
South Atlantic						
Del.	-	-	-	-	-	-
Md.	*	*	*	*	*	*
D.C.	1	7	7	34	58	325
Va.	4	23	85	557	40	241
W.Va.	-	-	8	8	5	5
N.C.	280	*	-	-	106	*
S.C.	3	51	32	692	55	975
Ga.	5	30	52	364	140	980
Fla.	11	22	102	213	32	64
East South Central						
Ky.	7	6	23	101	30	222
Tenn.	-	-	14	14	170	170
Ala.	6	24	22	88	39	156
Miss.	-	-	-	-	-	-
West South Central						
Ark.	-	-	17	*	11	*
La.	-	-	-	-	-	-
Okla.	9	9	-	-	278	278
Tex.	15	102	34	231	102	694
Mountain						
Mont.	16	16	8	8	44	44
Ida.	-	-	-	-	42	42
Wyo.	-	-	-	-	-	-
Colo.	-	-	28	*	83	*
N.M.	-	-	-	-	33	33
Ariz.	-	-	-	-	*	106
Utah	6,146	6,552	38	*	291	*
Nev.	-	-	-	-	-	-
Pacific						
Wash.	-	-	86	689	-	-
Ore.	-	-	-	-	280	801
Cal.	89	113	276	606	1,234	1,832
Alaska	37	37	38	38	40	40
Hawaii	7	7	26	29	142	158
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-23. VIROLOGY: ANIMAL AND MISCELLANEOUS SOURCE ISOLATIONS

	<u>Horses</u>		<u>Birds</u>		<u>Mosquito Pools</u> (1 Pool = 1 Specimen)	
	<u>Specimens</u>	<u>Exams</u>	<u>Specimens</u>	<u>Exams</u>	<u>Specimens</u>	<u>Exams</u>
New England						
Mass.	4	*	378	*	2,266	*
Middle Atlantic						
N.Y.	*	74	*	1,332(p)	*	41,008
N.J.	25	450	13	234	1,573	18,876
East North Central						
Ohio	-	-	1	1	944	3,685
West North Central						
Minn.	-	-	3	6	380	760
Ia.	-	-	-	-	68	2,502
Mo.	1	10	-	638	60	*
Kans.	-	-	2	20	242	2,660
South Atlantic						
N.C.	7	*	30	*	-	-
Ga.	28	139	8	8	132	150
Fla.	-	-	-	-	14	30
East South Central						
Tenn.	-	-	-	-	16	16
Ala.	3	12	3	12	-	-
West South Central						
Ark.	-	-	1	*	-	-
Tex.	-	-	18	122	726	3,993
Pacific						
Wash.	-	-	7	75	-	-
Cal.	70	70	3	3	1,690	1,690
Alaska	-	-	10	*	-	-
<hr/>						
	<u>Other Animal Source</u>		<u>Miscellaneous Source</u>			
	<u>Specimens</u>	<u>Exams</u>	<u>Specimens</u>	<u>Exams</u>		
Middle Atlantic						
N.J.	-	-		241(q)	614	
East North Central						
Wisc.	-	-		1	4	
West North Central						
Ia.	53	2,040		-	-	
South Atlantic						
N.C.	68(r)	124		-	-	
Ga.	-	-		9	33	
Fla.	240	480		-	-	
East South Central						
Ala.	1	4		-	-	
West South Central						
Tex.	5	34		-	-	
Pacific						
Cal.	143(s)	203		-	-	
Alaska	72(t)	216		-	-	

TABLES 2-18 - 2-23. FOOTNOTES

- (a) Included in Mycology Cultures.
- (b) Referred to CDC.
- (c) Included with Parasites.
- (d) Forty-nine (49) received unsatisfactory for testing.
- (e) Includes Neutralization Titer - 168.
- (f) Tests for rabies are done at the Diagnostic Laboratory of the Animal Health Division, Department of Livestock.
- (g) Discontinued September 1974, as routine.
- (h) Excluding Rabies, which is in Table 2-20.
- (i) Contract with New Jersey State Department of Health for viral laboratory work (269 specimens sent).
- (j) Viral examinations counted by host system instead of specimen origin. Some animal source counted in with human source.
- (k) Viral isolations referred to the CDC, the UAMS, etc.
- (l) Handled by the Animal Health Division.
- (m) Viral Isolations specimens are not recorded in a way consistent with CAR groupings.
- (n) Throat Washings and Fecal included together.
- (o) Tissue and Other included together.
- (p) Birds and Other included together.
- (q) DETC Isolation, 239 specimens, 578 exams; Monkey, 1 specimen, 18 exams; Gerbil, 1 specimen, 18 exams.
- (r) Ticks.
- (s) Hamster, dog, mice and bats.
- (t) Salmon.

TABLE 2-24. SYPHILIS SEROLOGY: BLOOD

	Total Blood Specimens	Total Blood Exams	Screening			
			VDRL Exams	RPR Exams	Other Exams	Type of Test
New England						
Me.	27,313	29,077	26,061	-	-	
N.H.	40,447	43,955	40,447	70	-	
Vt.	35,657	37,097	-	-	35,657	ART
Mass.	250,900 (a)	265,907	979	234,141	-	
R.I.	50,731	56,315	50,731	-	-	
Conn.	99,952	118,591	99,941	7	1	ART
Middle Atlantic						
N.Y.	102,710	129,532	230	175	102,710	ART
N.J.	246,498	290,375	243,505	-	-	
Pa.	*	*	*	*	*	
East North Central						
Ohio	94,562	123,758	94,562	-	-	
Ind.	83,560	86,440	79,773	-	-	
Ill.	100,349	122,128	-	98,038	-	
Mich.	318,315	364,596	318,346	-	-	
Wisc.	156,328	175,262	156,077 (b)	-	-	
West North Central						
Minn.	234,799	265,784	234,799	-	-	
Ia.	163,224	234,930	155,099	-	-	
Mo.	101,748	101,748	57,834	878	-	
N.D.	53,586	55,711	53,586	100	-	
S.D.	32,241	33,516	32,221	-	-	
Nebr.	63,126	66,603	8,029	55,751	-	
Kans.	109,368	116,800	109,368	-	-	
South Atlantic						
Del.	35,911	38,284	33,640	-	-	
Md.	225,211	269,217	-	225,182	-	
D.C.	197,440	197,440	-	-	169,137	USR
Va.	204,667	216,809	202,411	110	-	
W.Va.	46,852	51,104	46,852	-	-	
N.C.	295,276	329,738	295,276	-	-	
S.C.	229,514	243,888	182,979	38,581	-	
Ga.	484,586	513,853	479,774	3,937	-	
Fla.	621,196	684,902	614,193	7,003	-	
East South Central						
Ky.	146,826	141,276	130,426	-	-	
Tenn.	368,928	375,916	362,329	2,920	210	ART
Ala.	441,371	461,104	435,390	-	-	
Miss.	337,255	347,054	24	199,311	136,708	ART
West South Central						
Ark.	132,832	139,955	129,622	-	-	
La.	204,083	204,083	187,237	-	-	
Okla.	146,282	161,607	144,733	-	-	
Tex.	783,385 (c)	443,271	328,217	50,750	-	
Mountain						
Mont.	34,949	37,854	34,949	-	-	
Ida.	22,263	25,264	402	-	21,852	USR
Wyo.	14,689	15,587	14,689	-	-	
Colo.	167,766	182,872	167,766	-	-	
N.M.	61,071	71,059	611	-	61,071	ART
Ariz.	*	47,612	41,186	-	6,426	FTA
Utah	69,553	74,509	-	62,364	-	
Nev.	38,983	49,517	42,350	96	-	
Pacific						
Wash.	39,058	47,029	37,255	1,107	-	
Ore.	105,522	109,220	104,098	-	195	ART
Cal.	19,149	24,874	18,789	150	210	ART
Alaska	72,376	75,460	2,301	70,519	809	RST
Hawaii	36,191	42,405	34,605	2,235	-	
Guam	6,081	6,997	6,081	-	-	
P.R.	128,562	141,889	95,278	-	32,773	ART
V.I.	7,072	7,876	443	-	6,740	ART

TABLE 2-24. SYPHILIS SEROLOGY: BLOOD
(Continued)

	Quantitative Exams		
	VDRL	RPR	ART
New England			
Me.	1,370	-	-
N.H.	1,677	-	-
Vt.	528	-	528
Mass.	757	14,169	-
R.I.	2,146	-	-
Conn.	9,327	4	-
Middle Atlantic			
N.Y.	230	175	13,006
N.J.	27,399	-	-
Pa.	*	*	*
East North Central			
Ohio	17,025	-	-
Ind.	3,596	-	-
Ill.	-	9,829	-
Mich.	21,860	-	-
Wisc.	10,286	-	-
West North Central			
Minn.	5,232	-	-
Ia.	17,578	-	-
Mo.	30,503	245	-
N.D.	1,000	-	-
S.D.	653	-	-
Nebr.	1,732	-	-
Kans.	4,270	-	-
South Atlantic			
Del.	2,373	-	-
Md.	-	19,957	-
D.C.	18,337	-	-
Va.	8,258	-	-
W.Va.	2,846	-	-
N.C.	16,435	-	-
S.C.	16,173	188	-
Ga.	19,385	288	-
Fla.	54,537	-	-
East South Central			
Ky.	6,052	-	-
Tenn.	7,931	-	-
Ala.	20,879	-	-
Miss.	8	7,751	2,040
West South Central			
Ark.	6,551	-	-
La.	8,699	-	-
Okla.	10,791	-	-
Tex.	35,209	-	-
Mountain			
Mont.	2,052	-	-
Ida.	1,633	-	-
Wyo.	410	-	-
Colo.	7,553	-	-
N.M.	12	-	4,079
Ariz.	-	-	-
Utah	10,001	-	-
Nev.	3,480	-	-
Pacific			
Wash.	4,216	-	-
Ore.	3,509	-	-
Cal.	2,274	-	-
Alaska	280	928	-
Hawaii	3,289	-	-
Guam	497	-	-
P.R.	8,517	-	2,046
V.I.	20	-	411

TABLE 2-24. SYPHILIS SEROLOGY: BLOOD
(Continued)

	Confirmatory			
	FTA-ABS Exams	MHA-TPI Exams	Other Exams	Type of Test
New England				
Me.	1,646	-	-	
N.H.	1,761	-	-	
Vt.	384	-	-	
Mass.	15,861	-	-	
R.I.	3,438	-	-	
Conn.	9,309	-	2	Darkfield
Middle Atlantic				
N.Y.	-	-	13,006	AFTA
N.J.	19,471	-	-	
Pa.	*	*	*	
East North Central				
Ohio	12,171	-	-	
Ind.	3,071	-	-	
Ill.	13,711	550	-	
Mich.	24,390	-	-	
Wisc.	8,590	256	53	FTA,Darkfield
West North Central				
Minn.	25,753	-	-	
Ia.	62,253	-	-	
Mo.	12,248	40	-	
N.D.	1,025	-	-	
S.D.	642	-	-	
Nebr.	1,091	-	-	
Kans.	3,162	-	-	
South Atlantic				
Del.	2,271	-	-	
Md.	24,078	-	-	
D.C.	9,966	-	-	
Va.	6,026	-	4	Darkfield
W.Va.	1,406	-	-	
N.C.	17,894	-	133	FTA-ABS (IgM)
S.C.	5,774	135	58	
Ga.	10,475	-	-	
Fla.	9,169	-	-	
East South Central				
Ky.	4,791	-	7	TPI
Tenn.	2,308	126	92	FTA (IgM)
Ala.	4,835	-	-	
Miss.	1,212	-	-	
West South Central				
Ark.	3,782	-	-	
La.	8,147	-	-	
Okla.	6,083	-	-	
Tex.	29,095	-	-	
Mountain				
Mont.	853	-	-	
Ida.	1,377	-	-	
Wyo.	488	-	-	
Colo.	7,553	-	-	
N.M.	5,286	-	-	
Ariz.	-	-	-	
Utah	2,144	-	-	
Nev.	3,591	-	-	
Pacific				
Wash.	4,451	-	-	
Ore.	1,409	-	9	IgM, TPI
Cal.	2,649	600	202	TPI
Alaska	623	-	-	
Hawaii	2,276	-	-	
Guam	419	-	-	
P.R.	2,739	-	536 (d)	FTA-ABS,MHA-TP
V.I.	262	-	-	

TABLE 2-25. SYPHILIS SEROLOGY: SPINAL FLUID

	Total Spinal Fluid Specimens	Total Spinal Fluid Exams	VDRL Exams	Other	
				Exams	Type of Test
New England					
Me.	1,027	2,191	1,027	1,164	Colloidal Gold, Total Protein
N.H.	394	426	403	23	Total Protein
Vt.	107	184	107	77	FTA
Mass.	6,149 (a)	6,019	6,019	-	
R.I.	319	319	319	-	
Conn.	1,599	1,657	1,602	55	FTA
Middle Atlantic					
N.Y.	5,883	5,883	-	5,883	Cardiolipin CF
N.J.	911	890	879	11	Quantitative VDRL
Pa.	*	*	*	*	
East North Central					
Ohio	425	425	425	-	
Ind.	38	76	38	38	Total Protein
Ill.	224	224	224	-	
Mich.	722	850	718	132	
Wisc.	503	812	499	313	FTA-CSF
West North Central					
Minn.	2,946	5,722	2,946	2,776	Colloidal Gold, Nonne
Ia.	1,203	1,211	1,211	-	
Mo.	1,391	1,391	1,391	-	
N.D.	338	338	338	-	
S.D.	74	74	74	-	
Nebr.	94	123	94	29	Total Protein
Kans.	274	274	274	-	
South Atlantic					
Del.	145	145	145	-	
Md.	1,955	1,955	-	1,955	RPR
D.C.	56	56	56	-	
Va.	1,301	1,466	1,301	165	
W.Va.	56	112	56	56	Total Protein
N.C.	1,203 (e)	1,335	1,061	132	FTA-ABS, Total Protein
S.C.	628	627	382	245	Darkfield
Ga.	1,836	2,780	1,800	980	FTA-ABS
Fla.	901	901	901	-	
East South Central					
Ky.	91	91	91	-	
Tenn.	890	888	787	101	Total Protein
Ala.	1,651	3,034	1,654	1,380	Total Protein
Miss.	23	23	-	23	FTA-ABS
West South Central					
Ark.	96	153	96	57	Total Protein
La.	1,411	1,411	1,265	146	FTA, Total Protein
Okla.	242	442	238	204	Total Protein, FTA-SF
Tex.	694	347	347	-	
Mountain					
Mont.	419	419	419	-	
Ida.	345	345	345	-	
Wyo.	-	-	-	-	
Colo.	914	*	*	-	
N.M.	611	611	611	-	
Ariz.	-	-	-	-	
Utah	-	1,170	658	512	FTA
Nev.	278	278	278	-	
Pacific					
Wash.	1,255	1,240	1,236	4	Quantitative SF
Ore.	118	118	118	-	
Cal.	120	120	115	5	
Alaska	307	307	307	-	
Hawaii	150	200	150	50	Mastic
Guam	5	5	-	5	Darkfield, TP, Monotest
P.R.	24	24	16	8	FTA-ABS
V.I.	-	-	-	-	

TABLE 2-26. NON-SYPHILIS SEROLOGY: TOTAL SPECIMENS AND EXAMINATIONS

	Bacterial Serology		Miscellaneous Serology		Fungal Serology	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	194	110	643	643	783	2,269
N.H.	102	102	-	-	-	-
Vt.	3,560	1,097	1,647	1,647	-	-
Mass.	92	120	33	34	1,529	1,529
R.I.	-	-	-	-	-	-
Conn.	361	361	5,199	11,684	-	-
Middle Atlantic						
N.Y.	2,212	3,078	3,707	3,990	4,927	12,042
N.J.	128	117	-	-	603	- (g)
Pa.	*	*	*	*	*	*
East North Central						
Ohio	485	999	580	642	3,911	16,209
Ind.	856	2,589	745	745	1,932	6,000
Ill.	1,124 (f)	850	(f)	819	6,199	20,890
Mich.	543	793	2,682	2,725	5,360	21,408
Wisc.	3,966	5,497	11,939	12,977	1,833	6,002
West North Central						
Minn.	8,941	8,941	17,347	17,347	10,421	10,421
Ia.	7,094	51,859	3,113	15,930	1,975	17,268
Mo.	506	506	139	139	14,599	14,599
N.D.	2,154	4,008	1,764	1,884	-	-
S.D.	558 (f)	1,415	(f)	364	-	-
Nebr.	2,959	3,223	1,499	1,666	-	-
Kans.	252	550	459	459	1,563	5,668
South Atlantic						
Del.	-	-	-	-	-	-
Md.	4,682	5,023	5,469	6,915	1,927	6,804
D.C.	-	-	15	15	-	-
Va.	5,712	15,970	3,708	6,754	1,697	6,987
W.Va.	68	68	44	49	181	721
N.C.	1,236	2,468	1,123	1,123	1,689	6,760
S.C.	456	2,030	587	791	1,228	7,799
Ga.	1,010	2,337	2,195	2,195	1,610	6,440
Fla.	1,090	2,763	554	554	-	-
East South Central						
Ky.	162	900	155	315	3,504	10,580
Tenn.	347	886	56	56	3,397	6,788
Ala.	100	162	-	-	2,409	10,657
Miss.	1,810 (f)	2,238	(f)	10	2,224	6,685
West South Central						
Ark.	543	2,373	172	172	2,840	11,013
La.	436	436	84	84	6,729	6,729
Okla.	1,416 (f)	*	(f)	*	481	3,059
Tex.	1,084	2,662	19	36	6,055	6,912
Mountain						
Mont.	224	204	76	76	54	154
Ida.	35	67	-	-	-	-
Wyo.	186	372	155	155	-	-
Colo.	78	78	42	42	-	-
N.M.	971	881	22	22	-	-
Ariz.	*	62	-	-	*	16,342
Utah	3,426	3,426	1,913	3,279	-	-
Nev.	55	253	40	40	-	-
Pacific						
Wash.	1,288	1,288	-	-	-	-
Ore.	419	419	610	968	679	3,620
Cal.	1,057	1,667	62	62	8,483	24,505
Alaska	27	27	11	11	- (g)	-
Hawaii	392	864	252	267	-	-
Guam	35	35	49	34	-	-
P.R.	1,523	1,742	1,559	1,559	77	83
V.I.	*	37	28	29	-	-

TABLE 2-26. NON-SYPHILIS SEROLOGY: TOTAL SPECIMENS AND EXAMINATIONS
(Continued)

	Parasitological Serology		Viral and Rickettsial Serology	
	Specimens	Exams	Specimens	Exams
New England				
Me.	2,138	2,138	19,442	19,812
N.H.	-	-	-	-
Vt.	-	-	8,997	11,961
Mass.	1,287	1,287	*	14,961
R.I.	-	-	17,014	17,014
Conn.	1,976	1,976	10,924	44,313
Middle Atlantic				
N.Y.	2,585	2,145	34,098	51,952
N.J.	1,740	1,500	154,420	1,049,322
Pa.	*	*	*	*
East North Central				
Ohio	1,496	2,156	10,001	21,558
Ind.	604	604	2,844	16,129
Ill.	1,664	1,664	6,854	34,996
Mich.	1,310	1,306	32,239	47,826
Wisc.	8,004	10,154	15,466	34,759
West North Central				
Minn.	2,248	2,248	35,944	39,685
Ia.	1,438	20,541	49,280	244,007
Mo.	329	329	19,621	186,080
N.D.	-	-	1,859	12,119
S.D.	-	-	15,431	15,431
Nebr.	-	-	255	317
Kans.	-	-	15,177	17,164
South Atlantic				
Del.	-	-	2,066	2,066
Md.	6,836	7,763	72,869	77,942
D.C.	27	22	1,290	1,290
Va.	1,388	1,412	6,603	6,487
W.Va.	127	127	3,087	10,387
N.C.	1,919	2,484	60,150	72,069
S.C.	1,029	1,156	43,063	51,182
Ga.	1,797	1,797	12,396	19,083
Fla.	779	779	12,303	24,094
East South Central				
Ky.	751	751	12,634	14,526
Tenn.	-	-	25,074	28,570
Ala.	916	916	2,970	39,908
Miss.	-	-	351	351
West South Central				
Ark.	271	269	1,551	2,956
La.	492	492	34,451	34,781
Okla.	-	-	1,431	2,584
Tex.	-	-	11,132	19,358
Mountain				
Mont.	67	67	20,334	21,001
Ida.	-	-	4,081	11,424
Wyo.	-	-	7,539	7,539
Colo.	-	-	66,370	66,370
N.M.	-	-	5,860	5,493
Ariz.	1,230	1,230	*	15,139
Utah	*	842	6,552	8,425
Nev.	-	-	309	539
Pacific				
Wash.	-	-	17,328	19,671
Ore.	34,710	38,219	50,352	52,939
Cal.	3,520	3,520	11,126	22,432
Alaska	- (g)	-	9,364	9,364
Hawaii	-	-	5,656	5,656
Guam	-	-	-	-
P.R.	-	-	750	1,492
V.I.	8	8	*	5

TABLE 2-27. BACTERIAL SEROLOGY EXAMINATIONS

	Typhoid and Paratyphoid	Brucellosis	Tularemia	Weil-Felix	Antistrep- tolysin O	Leptospirosis	Other Bacterial Diseases
New England							
Me.	18	48	17	9	-	18	-
N.H.	61	39	2	-	-	-	-
Vt.	351	353	42	351	-	-	-
Mass.	13	27	19	6	-	43	12
R.I.	-	-	-	-	-	-	-
Conn.	200	100	32	-	-	-	29
Middle Atlantic							
N.Y.	1,275	275	168	197	184	*	979
N.J.	-	42	18	-	-	57	- (g)
Pa.	*	*	*	*	*	*	*
East North Central							
Ohio	32	84	55	9	-	819	-
Ind.	660	648	640	614	-	27	-
Ill.	130	328	311	33	-	48 (h)	-
Mich.	-	157	60	-	108	145	323
Wisc.	936	1,577	812	-	-	2,172	-
West North Central							
Minn.	3,162	2,469	689	1,612	1,009	-	-
Ia.	256	41,518	261	3	3,199	3,451	3,171
Mo.	-	253	253	-	-	-	-
N.D.	1,764	1,764	50	40	390	-	-
S.D.	630	552	191	36	3	-	3
Nebr.	1,495	1,682	6	29	-	11	-
Kans.	-	203	203	-	-	144	-
South Atlantic							
Del.	-	-	-	-	-	-	-
Md.	77	433	151	-	569	827	2,966
D.C.	-	-	-	-	-	-	-
Va.	3,726	4,756	1,745	4,651	889	203	-
W.Va.	-	16	16	-	30	6	-
N.C.	88	272	272	-	746	1,090	-
S.C.	183	286	148	1,014	35	364	-
Ga.	460	616	492	769	-	-	-
Fla.	1,108	1,108	-	-	-	536	11
East South Central							
Ky.	311	154	157	-	-	-	278
Tenn.	201	337	334	-	-	-	-
Ala.	-	88	74	-	-	-	-
Miss.	-	378	378	50	1,432	-	-
West South Central							
Ark.	1,052	284	344	633	-	60	-
La.	-	89	67	-	-	194	86
Okla.	*	*	*	*	*	*	*
Tex.	163	230	209	437	-	1,623	-
Mountain							
Mont.	-	90	90	-	-	24	-
Ida.	-	67 (i)	(i)	-	-	-	-
Wyo.	-	186	186	-	-	-	-
Colo.	-	48	30	-	-	-	-
N.M.	625	68	22	6	59	101	-
Ariz.	-	13	26	23	-	-	-
Utah	-	1,295	1,295	836	-	-	-
Nev.	140	32	29	52	-	-	-
Pacific							
Wash.	20	130	36	96	925	81	-
Ore.	90	170	33	-	-	126	-
Cal.	609	324	45	-	-	606	83
Alaska	-	7	10	-	10	-	-
Hawaii	266	-	-	266	-	332	-
Guam	-	-	-	-	35	-	-
P.R.	128	32	-	96	1,491	-	-
V.I.	-	-	-	-	37	-	-

TABLE 2-29. FUNGAL SEROLOGY EXAMINATIONS

	<u>Blastomycosis</u>	<u>Coccidioido- mycosis</u>	<u>Histoplasmosis</u>		<u>Other</u>
			<u>Mycelial</u>	<u>Yeast Phase</u>	
New England					
Me.	743	743	743	-	40
N.H.	-	-	-	-	-
Vt.	-	-	-	-	-
Mass.	438	438	438	-	215
R.I.	-	-	-	-	-
Conn.	-	-	-	-	-
Middle Atlantic					
N.Y.	2,169	801	2,169	2,169	4,734
N.J.	-	-	-	-	-
Pa.	*	*	*	*	*
East North Central					
Ohio	3,909	614	3,911	3,911	3,864
Ind.	1,932	204	1,932	1,932	-
Ill.	4,246	4,246	6,199	6,199	-
Mich.	5,352	5,352	5,352	5,352	-
Wisc.	1,127	1,127	1,646	1,646	456
West North Central					
Minn.	2,606	2,607	2,605	2,603	-
Ia.	4,317	4,317	4,317	4,317	-
Mo.	4,420	1,339	4,420	4,420	-
N.D.	-	-	-	-	-
S.D.	-	-	-	-	-
Nebr.	-	-	-	-	-
Kans.	1,417	1,417	1,417	1,417	-
South Atlantic					
Del.	-	-	-	-	-
Md.	1,410	1,410	1,410	1,410	1,164
D.C.	-	-	-	-	-
Va.	1,697	1,697	3,593	-	-
W.Va.	180	180	180	180	1
N.C.	1,690	1,690	1,690	1,690	-
S.C.	1,197	1,151	2,757	1,151	1,543
Ga.	1,610	1,610	1,610	1,610	-
Fla.	-	-	-	-	-
East South Central					
Ky.	3,530	7	3,522	3,521	-
Tenn.	-	-	3,391	3,397	-
Ala.	2,409	2,409	2,409	2,409	1,021
Miss.	2,224	13	2,224	2,224	-
West South Central					
Ark.	2,727	2,727	2,727	2,727	105
La.	1,696	1,707	-	3,326	-
Okla.	481	481	481	481	1,135
Tex.	6,912 (k)	*	*	*	-
Mountain					
Mont.	50	50	50	-	4
Ida.	-	-	-	-	-
Wyo.	-	-	-	-	-
Colo.	-	-	-	-	-
N.M.	-	-	-	-	-
Ariz.	11	15,213	561	557	-
Utah	-	-	-	-	-
Nev.	-	-	-	-	-
Pacific					
Wash.	-	-	-	-	-
Ore.	905	905	905	905	-
Cal.	-	8,011	8,011	8,011	472
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Guam	-	-	-	-	-
P.R.	-	-	6	6	71
V.I.	-	-	-	-	-

TABLE 2-30. PARASITOLOGICAL SEROLOGY EXAMINATIONS

	<u>Trichinosis</u>	<u>Toxoplasmosis</u>	<u>Other</u>
New England			
Me.	21	2,117	-
N.H.	-	-	-
Vt.	-	-	-
Mass.	24	978	285
R.I.	-	-	-
Conn.	-	-	-
Middle Atlantic			
N.Y.	456	1,689	*
N.J.	184	1,316	- (g)
Pa.	*	*	*
East North Central			
Ohio	-	2,156	-
Ind.	108	496	-
Ill.	-	1,664	-
Mich.	120	1,186	-
Wisc.	56	10,098	-
West North Central			
Minn.	-	1,768	480
Ia.	224	20,317	-
Mo.	-	329	-
N.D.	-	-	-
S.D.	-	-	-
Nebr.	-	-	-
Kans.	-	-	-
South Atlantic			
Del.	-	-	-
Md.	137	7,387	239
D.C.	-	22	-
Va.	304	1,108	-
W.Va.	10	116	1
N.C.	-	2,484	-
S.C.	-	1,156	-
Ga.	-	1,797	-
Fla.	-	779	-
East South Central			
Ky.	-	751	-
Tenn.	-	-	-
Ala.	-	916	-
Miss.	-	-	-
West South Central			
Ark.	12	174	83
La.	- (g)	492	-
Okla.	-	-	-
Tex.	-	-	-
Mountain			
Mont.	3	54	10
Ida.	-	-	-
Wyo.	-	-	-
Colo.	-	-	-
N.M.	-	-	-
Ariz.	- (g)	1,230	- (g)
Utah	-	842	-
Nev.	-	-	-
Pacific			
Wash.	-	-	-
Ore.	42	37,926	251 (g)
Cal.	444	3,076	-
Alaska	-	-	-
Hawaii	-	-	-
Guam	-	-	-
P.R.	-	-	-
V.I.	-	8	-

TABLE 2-31. VIRAL AND RICKETTSIAL SEROLOGY EXAMINATIONS: COMPLEMENT FIXATION

	<u>Mumps</u>	<u>Respiratory</u>	<u>Influenza A</u>	<u>Influenza B</u>
New England				
Me.	10	110	82	82
N.H.	-	-	-	-
Vt.	262	1,274	210	210
Mass.	980	2,300	2,300	2,300
R.I.	-	-	-	-
Conn.	6,352	6,340	6,335	6,335
Middle Atlantic				
N.Y.	16,470 (1)	(1)	(1)	(1)
N.J.	3,664	12,560	2,054	2,070
Pa.	*	*	*	*
East North Central				
Ohio	2,148	4,798	1,376	1,359
Ind.	439	8,509	988	942
Ill.	1,870	13,826	3,776	3,428
Mich.	928	5,041	1,480	1,476
Wisc.	921	9,746	2,382	2,382
West North Central				
Minn.	794	3,139	1,427	1,423
Ia.	10,331	19,035	9,507	9,300
Mo.	24	4,768	-	-
N.D.	137	352	135	135
S.D.	-	-	-	-
Nebr.	-	-	-	-
Kans.	630	506	331	331
South Atlantic				
Del.	-	-	-	-
Md.	673	106	610	610
D.C.	-	-	-	-
Va.	324	263	388	385
W.Va.	106	178	72	72
N.C.	346	3,485	877	877
S.C.	412	1,982	463	413
Ga.	546	5,858	894	893
Fla.	951	7,473	1,845	1,846
East South Central				
Ky.	243	611	247	249
Tenn.	766	657	652	657
Ala.	2,175	2,814	1,152	1,152
Miss.	-	-	-	-
West South Central				
Ark.	93	822	23	-
La.	296	532	524	524
Okla.	1,589 (1)	(1)	(1)	(1)
Tex.	-	-	-	-
Mountain				
Mont.	35	526	258	258
Ida.	8,701 (1)	(1)	(1)	(1)
Wyo.	-	-	-	-
Colo.	335	2,645	540	540
N.M.	21	21	23	23
Ariz.	398 (m)	6,739 (m)	(m)	(m)
Utah	74	227	141	141
Nev.	-	-	-	-
Pacific				
Wash.	350	1,256	628	628
Ore.	530	906	906	906
Cal.	771	5,621	1,518	1,514
Alaska	-	-	-	-
Hawaii	244	548	274	274
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-31. VIRAL AND RICKETTSIAL SEROLOGY EXAMINATIONS: COMPLEMENT FIXATION
(Continued)

	<u>Arboviruses</u>	<u>Enteroviruses</u>	<u>Measles</u>	<u>Other</u>
New England				
Me.	15	75	38	5
N.H.	-	-	-	-
Vt.	336	255	40	500
Mass.	30	-	750	1,200
R.I.	-	-	-	-
Conn.	858	-	1,186	9,106
Middle Atlantic				
N.Y.	(1)	(1)	(1)	(1)
N.J.	4,707	-	4,408	458,248 (n)
Pa.	*	*	*	*
East North Central				
Ohio	25	3,134	206	2,926
Ind.	1,109	1,140	303	2,359
Ill.	3,789	2,903	-	3,067
Mich.	91	215	1,189	6,771
Wisc.	2,512	18	989	3,712
West North Central				
Minn.	-	-	-	3,052
Ia.	6,274	-	890	12,456
Mo.	5,570	1,116	864	3,026
N.D.	154	47	95	85
S.D.	-	-	-	-
Nebr.	-	-	-	-
Kans.	452	28	318	1,341
South Atlantic				
Del.	-	-	-	-
Md.	20	859	389	10,669
D.C.	-	-	-	1,191
Va.	-	-	108	-
W.Va.	316	12	-	112 (e)
N.C.	965	1,742	244	4,401
S.C.	305	227	355	2,697
Ga.	258	123	118	4,462
Fla.	588	294	350	2,587
East South Central				
Ky.	-	33	45	1,496
Tenn.	193	-	99	520
Ala.	4,329	657	398	3,385
Miss.	-	-	-	-
West South Central				
Ark.	359	36	22	733
La.	-	-	108	2,552
Okla.	(1)	(1)	(1)	(1)
Tex.	-	-	-	2,111
Mountain				
Mont.	152	-	179	303
Ida.	(1)	(1)	(1)	(1)
Wyo.	-	-	-	-
Colo.	1,032	124	494	534
N.M.	53	-	43	62
Ariz.	-	181	(m)	606
Utah	78	145	17	-
Nev.	-	-	-	-
Pacific				
Wash.	80	-	100	578
Ore.	25	312	720	4,987
Cal.	1,147	232	598	6,213
Alaska	-	-	-	-
Hawaii	-	-	509	2,895
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-32. VIRAL AND RICKETTSIAL SEROLOGY EXAMINATIONS: HI AND/OR HADI

	<u>Rubella</u>	<u>Influenza A</u>	<u>Influenza B</u>	<u>Measles</u>	<u>Other</u>
New England					
Me.	18,815	82	82	3	-
N.H.	-	-	-	-	-
Vt.	8,663	-	-	-	211
Mass.	3,890	224	224	17	27
R.I.	17,014	-	-	-	-
Conn.	2,290	302	302	-	-
Middle Atlantic					
N.Y.	25,532	-	-	-	4,526
N.J.	82,934	12,426	12,426	3,894	20,621
Pa.	*	*	*	*	*
East North Central					
Ohio	3,539	-	-	-	2,047
Ind.	334	-	-	-	-
Ill.	1,234	-	-	348	705
Mich.	30,261	-	-	-	16
Wisc.	8,085	452	128	263	329
West North Central					
Minn.	28,202	-	-	-	568
Ia.	135,940	-	-	-	-
Mo.	167,360	908	1,420	-	-
N.D.	10,689	169	89	-	32
S.D.	15,431	-	-	-	-
Nebr.	317	-	-	-	-
Kans.	13,006	-	-	-	-
South Atlantic					
Del.	2,066	-	-	-	-
Md.	48,663	181	181	713	800
D.C.	99	-	-	-	-
Va.	4,697	161	161	-	-
W.Va.	9,519	-	-	-	-
N.C.	48,998	1,636	1,409	278	764
S.C.	43,041	56	26	85	176
Ga.	4,866	-	-	15	65
Fla.	1,970	-	-	-	-
East South Central					
Ky.	11,458	76 (o)	(o)	-	-
Tenn.	23,212	313	313	-	-
Ala.	23,528	12	12	-	-
Miss.	351	-	-	-	-
West South Central					
Ark.	308	-	-	-	369
La.	25,912	76	76	-	3,881
Okla.	423	420	-	-	152
Tex.	11,949	-	-	-	4,264
Mountain					
Mont.	18,945	19	19	-	-
Ida.	2,653	70 (o)	(o)	-	-
Wyo.	7,539	-	-	-	-
Colo.	60,126	-	-	-	-
N.M.	4,081	58	58	-	719
Ariz.	6,291	81 (o)	(o)	704	139
Utah	5,521	-	-	-	2,081
Nev.	-	-	-	-	-
Pacific					
Wash.	15,539	-	-	-	7
Ore.	42,122	680	680	20	35
Cal.	1,579	10	8	182	25
Alaska	9,364	-	-	-	-
Hawaii	266	292	318	-	-
Guam	-	-	-	-	-
P.R.	1,492	-	-	-	-
V.I.	-	-	-	-	-

TABLES 2-24 - 2-34. FOOTNOTES

- (a) 4,350 blood specimens and 97 spinal fluid specimens unsatisfactory.
- (b) Includes specimens received and tested for Prenatal Screen Study.
- (c) Includes 99,509 Title XIX specimens; 235,732 specimens in Central Laboratory; 547,653 in Regional Laboratories.
- (d) These examinations were part of a comparative study done between FTA-ABS and MHA-TP tests.
- (e) Includes 142 chancre serum specimens, 142 DFATP exams, not shown in further breakdown.
- (f) Bacterial and Miscellaneous included together.
- (g) Referred to CDC.
- (h) Referred to another laboratory for confirmation.
- (i) Brucellosis and Tularemia included together.
- (j) Specimens included in Viral and Rickettsial Serology specimens.
- (k) Performed as battery.
- (l) Complement Fixation reported as one figure which is shown under Mumps.
- (m) Mumps and Measles included together. Influenza A and B included with Respiratory.
- (n) Includes routine diagnostics, 271,092.
- (o) Influenza A and B included together.
- (p) Routine diagnostics, 107,625; special project, 32,878.

TABLE 2-35. HEMATOLOGY OR BLOOD BANK: TOTAL SPECIMENS AND EXAMINATIONS

	Hematology		Immunoematology		Hemoglobinopathy	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	-	-	7,847	7,847	-	-
N.H.	4,867	14,237	-	-	-	-
Vt.	-	-	-	-	-	-
Mass.	-	-	-	-	-	-
R.I.	3,459	3,459	-	-	1,491	1,482
Conn.	9,964	34,572	12	26	9,393	10,060
Middle Atlantic						
N.Y.	1,414	2,242	2,137	6,868	3,968	43,280
N.J.	-	-	-	218	-	-
Pa.	*	*	*	*	*	*
East North Central						
Ohio	-	-	583	1,060	3,515	3,843
Ind.	-	-	-	-	-	-
Ill.	687	597	6	6	4,330	4,843
Mich.	16,487	37,583	7,761	18,598	-	-
Wisc.	895	731	19,082	26,897	559	559
West North Central						
Minn.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Mo.	-	-	-	-	1,478	1,552
N.D.	-	-	7,165	19,807	-	-
S.D.	-	-	5,762	5,762	-	-
Nebr.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
South Atlantic						
Del.	2,119	4,329	-	-	1,285	1,209
Md.	47,566	111,095	18,828	26,632	29,538	35,261
D.C.	25,067	75,201	2,780	5,793	1,574	2,578
Va.	-	-	8,959	15,764	37,031	39,155
W.Va.	303	909	-	-	517	1,034
N.C.	2,255	2,411	-	-	25,199	41,263
S.C.	45,267	71,978	11,370	15,813	25,087	30,610
Ga.	-	-	11,821	15,060	41,486	48,104
Fla.	74,380	74,380	18,864	20,833	77,941	88,356
East South Central						
Ky.	750	750	8,735	17,085	6,343	7,648
Tenn.	-	-	17,981	52,820	2,323	3,368
Ala.	-	-	11,086	13,406	65,094	72,793
Miss.	98,943	98,943(a)	13,888	15,691	43,156	43,156
West South Central						
Ark.	29,433	27,526	-	6,437	15,931	16,428
La.	-	-	-	-	53,734	53,734
Okla.	67	142	3,600	5,205	5,287	5,913
Tex.	102,203	58,256	-	-	116,259	73,354
Mountain						
Mont.	-	-	-	-	-	-
Ida.	3,986	3,339	-	-	-	-
Wyo.	-	-	-	-	-	-
Colo.	-	-	20,903	20,903	-	-
N.M.	-	-	1,608	3,216	1,044	1,044
Ariz.	-	-	-	-	1,978	1,960
Utah	303	314	-	-	-	-
Nev.	5,200	7,388	783	1,566	305	387
Pacific						
Wash.	(b)	3,854	-	-	8,316	8,871
Ore.	-	-	-	-	-	-
Cal.	-	-	-	-	-	-
Alaska	-	-	5,336	9,839	-	-
Hawaii	-	-	1(c)	2,608	-	-
Guam	7,746	18,043	715	1,430	-	-
P.R.	36,166	95,203	8,582	17,026	248	621
V.I.	-	-	-	-	83	166

TABLE 2-36. HEMATOLOGY EXAMINATIONS

	Hematocrit	Hemoglobin	Cell Counts	Sedimentation Rate	Others
New England					
Me.	-	-	-	-	-
N.H.	4,575	4,644	4,867	144	Smears, "L-E" cells, 7
Vt.	-	-	-	-	-
Mass.	-	-	-	-	-
R.I.	805	2,654	-	-	-
Conn.	7,721	9,383	15,442	17	Differentials, 2,009
Middle Atlantic					
N.Y.	269	269	269	-	Smears, sickle cells, 1,414; other, 21
N.J.	-	-	-	-	-
Pa.	*	*	*	*	*
East North Central					
Ohio	-	-	-	-	-
Ind.	-	-	-	-	-
Ill.	10	587	-	-	-
Mich.	7,649	13,805	15,073	1,056	-
Wisc.	69	68	164	37	Smears; "L-E" cells, 50; sickle cells, 507
West North Central					
Minn.	-	-	-	-	-
Ia.	-	-	-	-	-
Mo.	-	-	-	-	-
N.D.	-	-	-	-	-
S.D.	-	-	-	-	-
Nebr.	-	-	-	-	-
Kans.	-	-	-	-	-
South Atlantic					
Del.	1,958	2,037	334	-	-
Md.	38,009	37,047	15,953	1,191	Smears, "L-E" cells, 5; other, 18,890
D.C.	25,067	25,067	25,067	-	-
Va.	-	-	-	-	-
W.Va.	303	303	303	-	-
N.C.	2,232	23	156	-	-
S.C.	39,073	21,110	10,610	991	194 (d)
Ga.	-	-	-	-	-
Fla.	7,261	66,693	401	25	-
East South Central					
Ky.	-	750	-	-	-
Tenn.	-	-	-	-	-
Ala.	-	-	-	-	-
Miss.	581	83,146	2,091	-	-
West South Central					
Ark.	26,988	24	514	-	-
La.	-	-	-	-	-
Okla.	67	-	75	-	-
Tex.	-	58,256	-	-	-
Mountain					
Mont.	-	-	-	-	-
Ida.	2,590	37	-	712	-
Wyo.	-	-	-	-	-
Colo.	-	-	-	-	-
N.M.	-	-	-	-	-
Ariz.	-	-	-	-	-
Utah	27	63	27	13	184
Nev.	4,897	685	1,804	2	-
Pacific					
Wash.	3,854	-	-	-	-
Ore.	-	-	-	-	-
Cal.	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Guam	6,951	7,012	2,522	33	Smears, "L-E" cells, 8; sickle cells, 1,466; other, 51
P.R.	33,451	34,316	26,447	567	Smears, "L-E" cells, 174; sickle cells, 248
V.I.	-	-	-	-	-

TABLE 2-37. IMMUNOHEMATOLOGY EXAMINATIONS

	Blood Group (ABO)	Blood Type(Rh)	Other Blood Factors	Rh Antibody	Other Antibodies
New England					
Me.	-	6,764	-	21	1,062
N.H.	-	-	-	-	-
Vt.	-	-	-	-	-
Mass.	-	-	-	-	-
R.I.	-	-	-	-	-
Conn.	12	12	-	2	-
Middle Atlantic					
N.Y.	2,137	2,137	154	2,137	303
N.J.	101	101	16	-	-
Pa.	*	*	*	*	*
East North Central					
Ohio	583	477	-	-	-
Ind.	-	-	-	-	-
Ill.	-	-	-	6	-
Mich.	7,761	10,570	267	-	-
Wisc.	5,363	12,155	2,452	6,927	-
West North Central					
Minn.	-	-	-	-	-
Ia.	-	-	-	-	-
Mo.	-	-	-	-	-
N.D.	7,165	12,642	-	-	-
S.D.	-	5,762	-	-	-
Nebr.	-	-	-	-	-
Kans.	-	-	-	-	-
South Atlantic					
Del.	-	-	-	-	-
Md.	3,797	18,092	172	4,093	478(e)
D.C.	2,780	2,780	-	233	-
Va.	6,907	6,901	-	1,094	862
W.Va.	-	-	-	-	-
N.C.	-	-	-	-	-
S.C.	2,090	13,382	-	261	80
Ga.	-	13,486	-	1,574	-
Fla.	796	18,466	1,571	-	-
East South Central					
Ky.	496	8,239	-	8,239	111
Tenn.	17,548	17,548	240	17,308	176
Ala.	-	12,549	-	857	-
Miss.	1,597	13,682	-	206	206
West South Central					
Ark.	2,841	3,096	280	220	-
La.	-	-	-	-	-
Okla.	2,756	2,449	-	-	-
Tex.	-	-	-	-	-
Mountain					
Mont.	-	-	-	-	-
Ida.	-	-	-	-	-
Wyo.	-	-	-	-	-
Colo.	-	20,903	-	-	-
N.M.	1,608	1,608	-	-	-
Ariz.	-	-	-	-	-
Utah	-	-	-	-	-
Nev.	783	783	-	-	-
Pacific					
Wash.	-	-	-	-	-
Ore.	-	-	-	-	-
Cal.	-	-	-	-	-
Alaska	4,145	5,336	358	-	-
Hawaii	1,304	1,304	-	-	-
Guam	715	715	-	-	-
P.R.	8,295	8,456	269	6	-
V.I.	-	-	-	-	-

TABLE 2-38. HEMOGLOBINOPATHY EXAMINATIONS

	Hemoglobin	Solubility	Other	
	Electrophoresis	Testing	Number	Type of Test
New England				
Me.	-	-	-	
N.H.	-	-	-	
Vt.	-	-	-	
Mass.	-	-	-	
R.I.	504	522	456	G-6-PD(452), A ₂ (4)
Conn.	9,340	521	199	Hemoglobin A ₂ quantitation
Middle Atlantic				
N.Y.	23,298	1,448	18,534	A ₂ elution(4,326),fetal-alkali denatura- tion(3,980),citrate agar electro.(2,311), G-6-PD(39),hep.-assoc. antigen(3,910),hep.- assoc. antibody(3,910),consultations, bone marrow(23), serum protein electro.(35).
N.J.	-	-	-	
Pa.	*	*	*	
East North Central				
Ohio	3,594	249	-	
Ind.	-	-	-	
Ill.	4,330(f)	401	112	Col. chromatograph-A ₂ quant.(17),Cit. agar electro.(91),fetal hemoglobin quant.(4).
Mich.	-	-	-	
Wisc.	51	507	1	Spinal fluid cell count
West North Central				
Minn.	-	-	-	
Ia.	-	-	-	
Mo.	1,478	74	-	
N.D.	-	-	-	
S.D.	-	-	-	
Nebr.	-	-	-	
Kans.	-	-	-	
South Atlantic				
Del.	638	571	-	
Md.	29,538	3,151	2,572	Citrate agar electro.(1,430), Hb A ₂ and chemical F (1,142).
D.C.	1,004	1,574	-	
Va.	36,999	2,156	-	
W.Va.	517	517	-	
N.C.	27,868	11,256	2,139	Densitometry(2,109), fetal stain(10), A ₂ quant.(20).
S.C.	25,087	4,088	1,435	Citrate agar
Ga.	43,149	4,955	-	
Fla.	77,941	8,856	1,559	
East South Central				
Ky.	6,343	550	755	Citrate agar electro., densitometry, CAM-counter staining.
Tenn.	2,323(f)	799	246	Citrate agar electro.
Ala.	72,793	-	-	
Miss.	43,156	-	-	
West South Central				
Ark.	16,403	25	-	
La.	53,734	-	-	
Okla.	5,600	313	-	
Tex.	70,917	2,437	-	
Mountain				
Mont.	-	-	-	
Ida.	-	-	-	
Wyo.	-	-	-	
Colo.	-	-	-	
N.M.	1,044	-	-	
Ariz.	-	-	1,960	Sickle cell
Utah	-	-	-	
Nev.	-	387	-	
Pacific				
Wash.	8,316	452	103	Citrate agar electro.
Ore.	-	-	-	
Cal.	-	-	-	
Alaska	-	-	-	
Hawaii	-	-	-	
Guam	-	-	51	
P.R.	125	248	248	Sickle cell preparation (metabisulfite)
V.I.	83	83	-	

TABLE 2-39. PATHOLOGIC ANATOMY

	Total Specimens	Total Exams	Cytology, Exfoliative	
			Specimens	Exams
New England				
Me.	-	-	-	-
N.H.	-	-	-	-
Vt.	-	-	-	-
Mass.	-	-	-	-
R.I.	-	-	-	-
Conn.	2,981	5,636	-	-
Middle Atlantic				
N.Y.	14,943	14,943	11,548	11,548
N.J.	-	-	-	-
Pa.	*	*	*	*
East North Central				
Ohio	-	-	-	-
Ind.	-	-	-	-
Ill.	-	-	-	-
Mich.	2,169	3,499	-	-
Wisc.	166,043	176,748	150,941	150,941
West North Central				
Minn.	222	3,900	-	-
Ia.	-	-	-	-
Mo.	-	-	-	-
N.D.	-	-	-	-
S.D.	-	-	-	-
Nebr.	-	-	-	-
Kans.	-	-	-	-
South Atlantic				
Del.	46,815	46,815	46,815	46,815
Md.	66,979(g)	60,141	-	-
D.C.	23,700	49,665	23,695	49,660
Va.	-	-	-	-
W.Va.	34,095	65,795	34,095	65,795
N.C.	180,037	180,037	180,037	180,037
S.C.	288	493	205	410
Ga.	-	-	-	-
Fla.	-	-	-	-
East South Central				
Ky.	-	-	-	-
Tenn.	-	-	-	-
Ala.	54,628	96,169	54,628	96,169
Miss.	-	-	-	-
West South Central				
Ark.	-(h)	-	-	-
La.	12,866	12,866	3,622	3,622
Okla.	-(i)	-	-	-
Tex.	-	-	-	-
Mountain				
Mont.	-	-	-	-
Ida.	1,176	1,384	-	-
Wyo.	-	-	-	-
Colo.	-	-	-	-
N.M.	-	-	-	-
Ariz.	-	-	-	-
Utah	-	-	-	-
Nev.	-	-	-	-
Pacific				
Wash.	-	-	-	-
Ore.	-	-	-	-
Cal.	-	-	-	-
Alaska	-	-	-	-
Hawaii	-	-	-	-
Guam	3,519(j)	3,639	3,483	3,495
P.R.	-	-	-	-
V.I.	8	8	-	-

TABLE 2-39. PATHOLOGIC ANATOMY
(Continued)

TABLE 2-40. CLINICAL CHEMISTRY:
TOTAL SPECIMENS AND EXAMINATIONS

(States listed in alphabetical order)			Total Specimens	Total Exams
		<u>Cytology, Chromosome</u>		
		<u>Specimens</u>		<u>Exams</u>
Ida.	223	429		
Minn.	222	3,900		
S.C.	83	83		
Wisc.	678	1,125		
V.I.	8	8		
		<u>Tissue, Human, Micro</u>		
		<u>Specimens</u>		<u>Exams</u>
D.C.	5	5		
Ida.	953	955		
La.	3,707	3,707		
Mich.	6	6		
N.Y.	2,577	2,577		
Wisc.	14,397	24,655		
		<u>Tissue, Animal, Micro</u>		
		<u>Specimens</u>		<u>Exams</u>
La.	5,537	5,537		
Mich.	2,163	3,493		
N.Y.	818	818		
Wisc.	27	27		
New England				
			15,740	15,740
			39,762	51,489
			25,498	39,118
			329,907	832,459
			25,502	38,928
			90,452	143,268
Middle Atlantic				
			166,642	338,685
			4,092	19,462
			*	*
East North Central				
			170,157	559,493
			-	-
			-	-
			131,636	207,793
			97,418	395,998
West North Central				
			70	160
			3,307	6,614
			54,030	57,676
			20,350	22,150
			-	-
			1,275	1,275
			16	16
South Atlantic				
			17,743	35,324
			137,078	365,268
			26,928	43,321
			99,038	99,001
			36,957	131,600
			185,713	614,850
			94,494	173,762
			78,330	87,961
			159,387	261,322
East South Central				
			44,878	46,086
			79,836	81,254
			93,825	95,122
			181,720	185,062
West South Central				
			23,994	32,316
			55,942	58,104
			48,366	48,063
			217,742	103,699
Mountain				
			16,087	16,087
			14,573	14,573
			-	-
			*	9,284
			15,685	15,685
			-	-
			359	2,065
			15,982	24,205
Pacific				
			21,835	21,835
			160,318	453,157
			400	400
			8,734	8,734
			20,986	21,465
			6,807	23,996
			78,502	171,444
			5,645	6,339

TABLE 2-41. CLINICAL CHEMISTRY: BLOOD

	Total Blood Specimens	Total Blood Exams	Glucose	Cholesterol	Urea Nitrogen
New England					
Me.	-	-	-	-	-
N.H.	7,616	14,653	6,230	193	6,118
Vt.	25,498	39,118	39,118(k)	(k)	-
Mass.	-	-	-	-	-
R.I.	11,635	15,773	1,483	183	498
Conn.	6,428	12,224	4,777	2,924	1,389
Middle Atlantic					
N.Y.	284	1,148	284	284	284
N.J.	3,320	16,148	425	-	-
Pa.	*	*	*	*	*
East North Central					
Ohio	9,986	94,949	14,347	7,328	7,325
Ind.	-	-	-	-	-
Ill.	-	-	-	-	-
Mich.	25,405	55,842	21,179	6,575	8,861
Wisc.	53,419	53,419	22,079	11,595	1,469
West North Central					
Minn.	-	-	-	-	-
Ia.	-	-	-	-	-
Mo.	14,483	14,542	14,509	-	11
N.D.	750	750	650	-	100
S.D.	-	-	-	-	-
Nebr.	-	-	-	-	-
Kans.	-	-	-	-	-
South Atlantic					
Del.	-	-	-	-	-
Md.	57,935	83,740	14,336	5,007	8,274
D.C.	25,354	40,745	15,391	9,963	15,391
Va.	22,553	22,553	22,553	-	-
W.Va.	5,009	4,474	4,249	-	-
N.C.	67,179	117,063	63,185	-	-
S.C.	10,399	66,852	9,907	7,196	3,572
Ga.	7,443	14,875	6,468	4,677	-
Fla.	52,654	52,654	40,174	2,029	6,421
East South Central					
Ky.	1,050	1,050	818	-	-
Tenn.	14,427	14,427	14,427	-	-
Ala.	4,807	4,807	4,807	-	-
Miss.	181,720	185,062	178,735	1,671	1,314
West South Central					
Ark.	2,772	3,574	1,749	51	349
La.	-	-	-	-	-
Okla.	10,251	10,251	2,856	7,257	-
Tex.	43,742	30,619	30,619	-	-
Mountain					
Mont.	-	-	-	-	-
Ida.	-	-	-	-	-
Wyo.	-	-	-	-	-
Colo.	-	-	-	-	-
N.M.	125	125	-	-	-
Ariz.	-	-	-	-	-
Utah	303	1,030	7	75	71
Nev.	-	-	-	-	-
Pacific					
Wash.	-	-	-	-	-
Ore.	-	-	-	-	-
Cal.	400	400	-	-	-
Alaska	-	-	-	-	-
Hawaii	9,215	9,334	9,334	-	-
Guam	1,568	7,375	635	173	104
P.R.	44,086	75,043	38,882	6,085	8,666
V.I.	3,987	4,262	4,262	-	-

TABLE 2-41. CLINICAL CHEMISTRY: BLOOD
(Continued)

	Uric Acid	Transaminase	Other
New England			
Me.	-	-	-
N.H.	135	-	1,977
Vt.	(k)	-	Creatinine (k)
Mass.	-	-	-
R.I.	-	1,048	Lead, 9,980; Dry-Pak, 2,581
Conn.	1,378	174	1,582
Middle Atlantic			
N.Y.	284	12	-
N.J.	-	9,202	6,521
Pa.	*	*	*
East North Central			
Ohio	7,325	7,328	51,296
Ind.	-	-	-
Ill.	-	-	-
Mich.	6,549	695	11,983
Wisc.	2,869	464	14,943
West North Central			
Minn.	-	-	-
Ia.	-	-	-
Mo.	11	-	11
N.D.	-	-	-
S.D.	-	-	-
Nebr.	-	-	-
Kans.	-	-	-
South Atlantic			
Del.	-	-	-
Md.	2,542	5,720	47,861
D.C.	-	-	-
Va.	-	-	-
W.Va.	-	-	225
N.C.	-	-	53,878
S.C.	7,233	8,366	Amylase, 15; Calcium, 4512; Chloride, 610; CO ₂ , 12; Creatinine, 5383; Glucose Tol. 3; LDH, 30; Alk. Phosphates, 905; Potassium, 1306; Total Protein, 5298; Albumin, 5295; Bilirubin, 5535; Sodium, 1301; Others, 373.
Ga.	-	-	Triglycerides, 3730
Fla.	772	1,071	2,187
East South Central			
Ky.	-	-	232
Tenn.	-	-	-
Ala.	-	-	-
Miss.	1,671	-	1,671
West South Central			
Ark.	258	1,001	166
La.	-	-	-
Okla.	-	136	2
Tex.	-	-	-
Mountain			
Mont.	-	-	-
Ida.	-	-	-
Wyo.	-	-	-
Colo.	-	-	-
N.M.	-	125	-
Ariz.	-	-	-
Utah	40	-	837
Nev.	-	-	-
Pacific			
Wash.	-	-	-
Ore.	-	-	-
Cal.	-	-	-
Alaska	-	-	-
Hawaii	-	-	-
Guam	145	1,516	4,802
P.R.	2,846	5,604	12,960
V.I.	-	-	-

TABLE 2-42. CLINICAL CHEMISTRY: URINE

	Total Urine Specimens	Total Urine Exams	Chemical	Microscopic
New England				
Me.	-	-	-	-
N.H.	3,938	7,542	3,771	3,771
Vt.	-	-	-	-
Mass.	-	-	-	-
R.I.	139	242(1)	103	103
Conn.	4,609	4,628	4,508	120
Middle Atlantic				
N.Y.	1,117	1,117	1,117	-
N.J.	105	210	210	-
Pa.	*	*	*	*
East North Central				
Ohio	-	-	-	-
Ind.	-	-	-	-
Ill.	-	-	-	-
Mich.	8,565	54,269	48,402	5,867
Wisc.	1,170	1,170	1,170	-
West North Central				
Minn.	-	-	-	-
Ia.	-	-	-	-
Mo.	-	-	-	-
N.D.	1,800	3,600	1,800	1,800
S.D.	-	-	-	-
Nebr.	-	-	-	-
Kans.	-	-	-	-
South Atlantic				
Del.	2,495	20,076	-	-
Md.	21,627	38,972	21,627	17,345
D.C.	-	-	-	-
Va.	-	-	-	-
W.Va.	411	411	-	411
N.C.	141	163	141	22
S.C.	41,966	64,781	39,708	25,073(m)
Ga.	-	-	-	-
Fla.	3,993	3,993	3,993(n)	(n)
East South Central				
Ky.	-	-	-	-
Tenn.	709	2,127	1,418	709
Ala.	-	-	-	-
Miss.	-	-	-	-
West South Central				
Ark.	825	7,380	6,555	825
La.	2,162	4,324	2,162	2,162
Okla.	87	87	-	87
Tex.	-	-	-	-
Mountain				
Mont.	-	-	-	-
Ida.	98	98	98	-
Wyo.	-	-	-	-
Colo.	-	-	-	-
N.M.	-	-	-	-
Ariz.	-	-	-	-
Utah	21	126	105	21
Nev.	871	7,511	6,640	871
Pacific				
Wash.	-	-	-	-
Ore.	-	-	-	-
Cal.	-	-	-	-
Alaska	-	-	-	-
Hawaii	11,500	11,860	11,860	-
Guam	5,239	16,621	12,705	3,916
P.R.	30,351	88,186	44,093	44,093
V.I.	1,439	1,858	1,858	-

TABLE 2-43. CLINICAL CHEMISTRY: OTHER

	Specimens	Exams
Hawaii	271	271
Md.	99	99
Mich.	23	239
N.J.	343	737
N.Y.	603	2,628
N.D.	3,000	3,000
R.I.	1,825	1,825
Utah	35(o)	909
Va.	2	2
Wisc.	123	123
P.R.	1,652	2,871
V.I.	19	19

TABLE 2-44. CLINICAL CHEMISTRY: PHENYLKETONURIA
AND OTHER INBORN ERRORS

	PKU		Other Inborn Errors	
	Specimens	Exams	Specimens	Exams
New England				
Me.	15,740	15,740	-	-
N.H.	15,671	16,757	-	-
Vt.	-	-	-	-
Mass.	137,277	139,821	192,630	692,638
R.I.	11,903	21,088	-	-
Conn.	76,678	76,678	2,737(p)	49,738(p)
Middle Atlantic				
N.Y.	80,181	80,181	80,150	240,690
N.J.	58	1,037(q)	-	-
Pa.	*	*	*	*
East North Central				
Ohio	160,171	160,171	(r)	304,373(s)
Ind.	-	-	-	-
Ill.	-	-	-	-
Mich.	97,643	97,443	-	-
Wisc.	20	23	-	-
West North Central				
Minn.	70	160	-	-
Ia.	3,307	6,614	-	-
Mo.	39,547	43,134	-	-
N.D.	14,800	14,800	-	-
S.D.	-	-	-	-
Nebr.	1,275	1,275	-	-
Kans.	16	16	-	-
South Atlantic				
Del.	15,248	15,248	-	-
Md.	57,404	57,404	13(r)	185,053(t)
D.C.	-	-	1,574	2,576
Va.	76,483	76,446	-	-
W.Va.	22,700	22,700	-	-
N.C.	81,589	80,184	(r)	1,053
S.C.	42,129	42,129	-	-
Ga.	70,887	70,987	(r)	2,099
Fla.	75,565	75,565	-	-
East South Central				
Ky.	41,660	41,660	-	-
Tenn.	64,700	64,700	-	-
Ala.	87,901	87,901	1,117	2,414
Miss.	-	-	-	-
West South Central				
Ark.	20,397	21,362	-	-
La.	53,780	53,780	-	-
Okla.	38,028	37,725	-	-
Tex.	174,000	73,080	-	-
Mountain				
Mont.	10,370	10,370	5,717	5,717(u)
Ida.	14,475	14,475	-	-
Wyo.	-	-	-	-
Colo.	*	9,284	-	-
N.M.	15,560	15,560	-	-
Ariz.	-	-	-	-
Utah	-	-	-	-
Nev.	15,111	16,694	-	-
Pacific				
Wash.	21,835	21,835	-	-
Ore.	88,401	88,403	71,917	364,754
Cal.	-	-	-	-
Alaska	4,367	4,367	4,367	4,367
Hawaii	-	-	-	-
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	200	200	-	-

TABLE 2-45. CLINICAL CHEMISTRY:
MULTIPHASIC SCREENING

	Specimens	Exams
Fla.	27,175	129,110
Ky.	2,168	3,376
N.H.	12,537	12,537
N.J.	266	1,330
N.Y.	4,307	12,921
N.C.	36,804	416,387
W.Va.	8,837	104,015
Wisc.	42,686	341,263
P.R.	2,413	5,344

TABLES 2-35 - 2-45. FOOTNOTES

- (a) This total was adjusted to compensate for white cell counts and Hematocrit, which were not counted after August 1974.
- (b) Included with Hemoglobinopathy.
- (c) Other specimens counted under serology.
- (d) Bleeding time, 16; Coagulation time, 17; Cell Indices, 20; Platelet Count, 33; Prothrombin time, 29; Reticulocyte Count, 19; PTT, 3; RBC, 57.
- (e) Includes 443 Rh antibody titers and 35 other antibodies.
- (f) Cellulose acetate electrophoresis.
- (g) 6,368 specimens remaining to be processed and reported in 1976.
- (h) MCH contracted with State pathology laboratory.
- (i) Performed by the University of Oklahoma Health Sciences Center through contract and arrangement with the State Health Department.
- (j) Includes sputum for Cytology, not shown in further breakdown: specimens, 36; examinations, 144.
- (k) Glucose, cholesterol, uric acid, and creatinine included in one figure. Entire program cancelled as of July 1, 1975.
- (l) Includes lead, 36.
- (m) Microscopic - 18,738; Pregnancy tests - 6,335.
- (n) Chemical and microscopic included together.
- (o) Special pesticide study.
- (p) PKU specimens used for galactosemia testing. Examinations include testing for Tay-Sachs.
- (q) Analysis involves specimen X 3, and specimen diluted X 3.
- (r) PKU specimens used.
- (s) Homocystinuria, galactosemia.
- (t) Galactosemia, methionine, histidinemia, and maple syrup urine disease.
- (u) Starting January 5, 1975, these tests performed by Oregon State Health Division, Metabolic Disorders Laboratory by agreement.

TABLE 2-46. SANITARY AND ENVIRONMENTAL
MICROBIOLOGY: TOTAL SPECIMENS AND EXAMINATIONS

	Total Specimens	Total Exams
New England		
Me.	27,512	27,512
N.H.	-	-
Vt.	20,528	21,437
Mass.	53	*
R.I.	5,052	12,322
Conn.	29,120	81,138
Middle Atlantic		
N.Y.	*	*
N.J.	20,754	41,843
Pa.	*	*
East North Central		
Ohio	75,594	81,209
Ind.	51,456	74,345
Ill.	58,750	90,951
Mich.	92,202	133,103
Wisc.	53,064	53,452
West North Central		
Minn.	61	352
Ia.	52,173	179,308
Mo.	73,765	113,753
N.D.	22,197	47,310
S.D.	17,856	36,104
Nebr.	20,494	20,494
Kans.	40,900	44,072
South Atlantic		
Del.	10,364	16,207
Md.	84,461	144,532
D.C.	3,016	10,728
Va.	96,003	145,130
W.Va.	28,206	40,461
N.C.	48,285	55,666
S.C.	68,619	109,603
Ga.	327	756
Fla.	259,776	306,395
East South Central		
Ky.	51,885	51,885
Tenn.	65,294	100,465
Ala.	100,690	207,023
Miss.	80,887	199,027
West South Central		
Ark.	49,292	53,543
La.	224,263	224,263
Okla.	58,493	58,171
Tex.	342,209	480,485
Mountain		
Mont.	13,374	18,619
Ida.	34,904	55,645
Wyo.	8,289	8,719
Colo.	21,763	44,006
N.M.	28,770	*
Ariz.	45,894	56,495
Utah	23,058	33,477
Nev.	9,206	46,838
Pacific		
Wash.	19,401	26,835
Ore.	37,703	48,055
Cal.	21,722	33,552
Alaska	11,175	12,083
Hawaii	13,168	30,823
Guam	961	3,335
P.R.	21,761	115,478
V.I.	2,330	6,622

TABLE 2-47. SANITARY MICROBIOLOGY:
WATER

	Drinking Water	
	Specimens	Exams
New England		
Me.	26,500	26,500
N.H.	-	-
Vt.	18,199	19,108
Mass.	-	-
R.I.	-	-
Conn.	7,594	9,012
Middle Atlantic		
N.Y.	*	*
N.J.	8,542	13,069
Pa.	*	*
East North Central		
Ohio	69,772	70,225
Ind.	31,783	32,273
Ill.	22,999	23,782
Mich.	62,687	70,375
Wisc.	50,121	50,121
West North Central		
Minn.	-	-
Ia.	40,093	110,206
Mo.	67,067	73,163
N.D.	6,986	6,986
S.D.	17,071 (a)	23,380 (a)
Nebr.	19,853	19,853
Kans.	35,772	35,772
South Atlantic		
Del.	7,602	8,128
Md.	31,717	40,447
D.C.	1,478	1,478
Va.	82,994	99,899
W.Va.	20,900	20,900
N.C.	45,218 (a)	49,098 (a)
S.C.	41,396	35,472
Ga.	-	-
Fla.	169,347 (b)	169,347
East South Central		
Ky.	43,547 (a)	43,547 (a)
Tenn.	36,639	36,639
Ala.	52,962	55,698
Miss.	34,816	34,816
West South Central		
Ark.	40,276	38,129
La.	53,226	53,226
Okla.	42,022	41,704
Tex.	263,687	166,123
Mountain		
Mont.	12,562	15,038
Ida.	23,339	25,754
Wyo.	8,169	8,599
Colo.	15,268	19,820
N.M.	18,900	*
Ariz.	40,724 (a)	38,526 (a)
Utah	16,242	16,385
Nev.	3,191	14,151
Pacific		
Wash.	15,580	19,172
Ore.	34,031	38,136
Cal.	20,034 (i)	30,374 (i)
Alaska	10,741 (a)	11,315 (a)
Hawaii	6,124	11,003
Guam	-	-
P.R.	8,371	34,840
V.I.	1,276	2,438

TABLE 2-47. SANITARY MICROBIOLOGY: WATER
(Continued)

	Source of Raw Water for Treatment		Swimming Pools		Recreational Water	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	900	900	100	100	-	-
N.H.	-	-	-	-	-	-
Vt.	-	-	2,110 (c)	2,110 (c)	(c)	(c)
Mass.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
Conn.	1,125	1,411	393	786	2,622	2,622
Middle Atlantic						
N.Y.	*	*	*	*	*	*
N.J.	-	-	107	164	1,463	2,868
Pa.	*	*	*	*	*	*
East North Central						
Ohio	-	-	306	316	1,499	2,135
Ind.	-	-	4,889	9,841	726	726
Ill.	-	-	15,203	28,243	1,583	3,150
Mich.	11,997	20,712	9,256	18,618	-	-
Wisc.	-	-	929	929	1,192	1,192
West North Central						
Minn.	-	-	-	-	-	-
Ia.	-	-	989	2,473	-	-
Mo.	-	-	1,557	1,557	-	-
N.D.	679	2,716	1,331	2,662	46	184
S.D.	-	-	-	-	(a)	326
Nebr.	-	-	-	-	641	641
Kans.	1,185	1,185	1,943	1,943	1,421	4,263
South Atlantic						
Del.	(d)	(d)	(d)	(d)	475 (d)	805
Md.	7,053 (e)	13,883 (e)	1,887	3,702	2,449	4,042
D.C.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
W.Va.	1,063 (f)	4,191 (f)	1,803	1,803	(f)	(f)
N.C.	(a)	(a)	(a)	(a)	(a)	(a)
S.C.	-	-	11,923	*	-	14,898
Ga.	-	-	-	-	-	-
Fla.	24,423 (f)	48,846 (f)	43,473	43,473	(f)	(f)
East South Central						
Ky.	(a)	(a)	(a)	(a)	(a)	(a)
Tenn.	-	-	1,843	1,843	174	174
Ala.	1,029	1,116	46	46	308	738
Miss.	-	-	-	-	631	631
West South Central						
Ark.	4,060	4,060	559	559	552	1,104
La.	7,167	7,167	90	90	2,749	2,749
Okla.	160 (g)	160(g)	3,863	3,859	(g)	(g)
Tex.	-	-	-	-	-	-
Mountain						
Mont.	341	682	26	52	-	-
Ida.	*	*	1,545	1,545	*	*
Wyo.	-	-	-	-	-	-
Colo.	454	920	7	7	87	198
N.M.	990	*	895	*	990	*
Ariz.	(a)	(a)	-	-	-	-
Utah	4,130	11,674	-	-	2,686	5,418
Nev.	1,037 (h)	6,015 (h)	(h)	(h)	(h)	(h)
Pacific						
Wash.	1,034 (e)	2,303 (e)	326	652	173	519
Ore.	350	903	214	400	2,269	6,375
Cal.	(i)	(i)	101	191	(i)	(i)
Alaska	(a)	(a)	(a)	(a)	(a)	(a)
Hawaii	45	157	290	558	3,198	10,502
Guam	-	-	226	1,130	-	-
P.R.	431	15,408	136	3,850	7	120
V.I.	286	572	-	-	-	-

TABLE 2-48. SANITARY MICROBIOLOGY: DAIRY PRODUCTS

	<u>Milk and Cream</u>		<u>Frozen Desserts</u>		<u>Other Dairy Products</u>	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Mass.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
Conn.	12,871 (j)	58,254 (j)	1,395	2,790	(J)	(j)
Middle Atlantic						
N.Y.	*	*	*	*	*	*
N.J.	2,409	4,818	14	28	133	266
Pa.	*	*	*	*	*	*
East North Central						
Ohio	148	490	-	-	-	-
Ind.	3,892	11,374	1,298	5,617	1,241	5,795
Ill.	8,806	9,356	1,159	4,926	5,290	13,315
Mich.	7,876	22,211	-	-	-	-
Wisc.	-	-	-	-	-	-
West North Central						
Minn.	-	-	-	-	-	-
Ia.	10,041	60,246	264	1,584	388	1,164
Mo.	1,346	6,542	68	576	-	-
N.D.	8,049	25,630	1,713	3,426	-	-
S.D.	742	3,404	-	-	-	-
Nebr.	- (k)	-	-	-	-	-
Kans.	-	-	-	-	-	-
South Atlantic						
Del.	853	3,344	299	721	6	12
Md.	10,688	22,368	2,450	4,951	567	1,172
D.C.	71	284	19	76	20	60
Va.	3,750	10,988	6,144	17,679	1,203	2,006
W.Va.	4,437	13,561	-	-	3	6
N.C.	-	-	-	-	-	-
S.C.	12,473	48,449	1,598	6,673	519	2,232
Ga.	-	-	-	-	-	-
Fla.	6,517	13,034	6,466	12,932	1,875	3,750
East South Central						
Ky.	7,334	7,334	17	17	310	310
Tenn.	21,709	56,880	-	-	-	-
Ala.	25,262	87,370	17,274	51,775	1,639	2,871
Miss.	45,032 (j)	162,434 (j)	-	-	(j)	(j)
West South Central						
Ark.	2,345	6,419	476	952	530	532
La.	128,306	128,306	2,837	2,837	8,231	8,231
Okla.	11,560	11,560	-	-	-	-
Tex.	77,808 (1)	311,232 (1)	(1)	(1)	(1)	(1)
Mountain						
Mont.	- (m)	-	-	-	-	-
Ida.	5,013	20,039	-	-	-	-
Wyo.	-	-	-	-	-	-
Colo.	3,918	17,308	-	-	-	-
N.M.	5,015	*	125	*	130	*
Ariz.	4,588 (1)	16,539 (1)	(1)	(1)	(1)	(1)
Utah	- (n)	-	-	-	-	-
Nev.	4,228 (1)	20,166 (1)	(1)	(1)	(1)	(1)
Pacific						
Wash.	188	672	-	-	-	-
Ore.	-	-	-	-	-	-
Cal.	521 (1)	1,021 (1)	(1)	(1)	(1)	(1)
Alaska	-	-	43	129	186	177
Hawaii	1,028	3,213	1,378	2,704	263	273
Guam	141	423	293 (o)	879	-	-
P.R.	5,132	18,839	341	4,392	41	698
V.I.	403	2,609	35	269	-	-

TABLE 2-49. SANITARY MICROBIOLOGY: FOODS

	Food Quality		Food-Associated Disease Outbreaks		Shellfish (or Shellfish- bearing Waters)	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	-	-	12	12	-	-
N.H.	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Mass.	-	-	49	*	-	-
R.I.	3,547	10,641	64	192	48	96
Conn.	196	582	453	1,364	760	1,546
Middle Atlantic						
N.Y.	*	*	*	*	*	*
N.J.	318	2,216	255	806	(p)	(p)
Pa.	*	*	*	*	*	*
East North Central						
Ohio	116	420	300	1,464	-	-
Ind.	2,709	2,175	248	627	42	54
Ill.	2,858	5,871	379	1,218	244	732
Mich.	-	-	262	1,032	-	-
Wisc.	-	-	192	580	-	-
West North Central						
Minn.	-	-	51	319	-	-
Ia.	-	-	20	800	-	-
Mo.	173	4,863	103	2,603	-	-
N.D.	-	-	20	140	-	-
S.D.	43	515	-	-	-	-
Nebr.	-	-	-	-	-	-
Kans.	99 (q)	429 (q)	(q)	(q)	(q)	(q)
South Atlantic						
Del.	198	201	13	32	918	2,964
Md.	348	1,172	82	82	20,508	41,554
D.C.	1,199	8,121	-	-	10	52
Va.	1,794	13,835	118	723	-	-
W.Va.	-	-	-	-	-	-
N.C.	-	-	-	-	3,067	6,568
S.C.	-	-	189	945	94	440
Ga.	-	-	159	397	-	-
Fla.	1,745	6,980	701	2,804	(r)	(r)
East South Central						
Ky.	14	14	-	-	-	-
Tenn.	615	615	143	143	-	-
Ala.	1,127	3,665	161	737	771	2,766
Miss.	-	-	39	39	369	1,107
West South Central						
Ark.	100	518	60	308	-	-
La.	1,672	1,672	332	332	7,585	7,585
Okla.	254 (s)	254 (s)	(s)	(s)	-	-
Tex.	76	745	8	267	82	1,625
Mountain						
Mont.	249	1,764	40	420	-	-
Ida.	540 (t)	1,416 (t)	(t)	(t)	-	-
Wyo.	-	-	-	-	-	-
Colo.	304	839	62	325	-	-
N.M.	875	*	125	*	-	-
Ariz.	517 (q)	1,339 (q)	(q)	(q)	(q)	(q)
Utah	- (n)	-	-	-	-	-
Nev.	-	-	312	2,507	-	-
Pacific						
Wash.	2	2	338	433	959	2,281
Ore.	-	-	25	55	814	2,186
Cal.	-	-	124	124	530	1,042
Alaska	-	-	142	334	-	-
Hawaii	35	63	213	641	-	-
Guam	150	450	-	-	-	-
P.R.	82	7,068	94	13,992	-	-
V.I.	-	-	-	-	-	-

TABLE 2-49. SANITARY MICROBIOLOGY: FOODS
(Continued)

	Beverages		Utensil Counts	
	Specimens	Exams	Specimens	Exams
New England				
Me.	-	-	-	-
N.H.	-	-	-	-
Vt.	-	-	-	-
Mass.	-	-	-	-
R.I.	-	-	-	-
Conn.	(u)	(u)	34	34
Middle Atlantic				
N.Y.	*	*	*	*
N.J.	-	-	-	-
Pa.	*	*	*	*
East North Central				
Ohio	-	-	1,174	2,329
Ind.	1,001	1,937	-	-
Ill.	36	72	-	-
Mich.	-	-	-	-
Wisc.	-	-	-	-
West North Central				
Minn.	-	-	-	-
Ia.	-	-	-	-
Mo.	3,060	21,940	152	179
N.D.	-	-	-	-
S.D.	-	-	-	-
Nebr.	-	-	-	-
Kans.	(q)	(q)	-	-
South Atlantic				
Del.	-	-	-	-
Md.	-	-	636	910
D.C.	-	-	-	-
Va.	-	-	-	-
W.Va.	-	-	-	-
N.C.	-	-	-	-
S.C.	44	88	383	406
Ga.	-	-	-	-
Fla.	(v)	(v)	5,229	5,229
East South Central				
Ky.	650	650	13	13
Tenn.	-	-	3,065	3,065
Ala.	-	-	-	-
Miss.	-	-	-	-
West South Central				
Ark.	314	942	20	20
La.	5	5	2,285	2,285
Okla.	(s)	(s)	628	628
Tex.	-	-	548	493
Mountain				
Mont.	-	-	-	-
Ida.	-	-	1,042	1,356
Wyo.	-	-	-	-
Colo.	8	36	4	8
N.M.	10	*	25	*
Ariz.	-	-	-	-
Utah	-	-	-	-
Nev.	-	-	-	-
Pacific				
Wash.	-	-	-	-
Ore.	-	-	-	-
Cal.	-	-	-	-
Alaska	-	-	53	106
Hawaii	2	2	71	97
Guam	151	453	-	-
P.R.	239	9,384	6,887	6,887
V.I.	10	14	320	720

TABLE 2-50. SANITARY AND ENVIRONMENTAL
MICROBIOLOGY: ENVIRONMENTAL EXAMS

	Environmental (Rodac Plates, Air Samples, Surface Swabs, etc.)	
	Specimens	Exams
New England		
Me.	-	-
N.H.	-	-
Vt.	219	219
Mass.	4	*
R.I.	1,393	1,393
Conn.	-	-
Middle Atlantic		
N.Y.	*	*
N.J.	-	-
Pa.	*	*
East North Central		
Ohio	-	-
Ind.	-	-
Ill.	193	286
Mich.	124	155
Wisc.	630	630
West North Central		
Minn.	10	33
Ia.	-	-
Mo.	-	-
N.D.	2,642	2,642
S.D.	-	-
Nebr.	-	-
Kans.	480	480
South Atlantic		
Del.	-	-
Md.	-	-
D.C.	-	-
Va.	-	-
W.Va.	-	-
N.C.	-	-
S.C.	-	-
Ga.	168	359
Fla.	-	-
East South Central		
Ky.	-	-
Tenn.	1,106	1,106
Ala.	46	46
Miss.	-	-
West South Central		
Ark.	-	-
La.	-	-
Okla.	6	6
Tex.	-	-
Mountain		
Mont.	6	6
Ida.	-	-
Wyo.	-	-
Colo.	12	24
N.M.	100	*
Ariz.	-	-
Utah	-	-
Nev.	-	-
Pacific		
Wash.	801	801
Ore.	-	-
Cal.	-	-
Alaska	10	22
Hawaii	171	356
Guam	-	-
P.R.	-	-
V.I.	-	-

TABLE 2-51. SANITARY AND ENVIRONMENTAL
MICROBIOLOGY: STREAM POLLUTION

	Specimens	Exams
	New England	
Me.	-	-
N.H.	-	-
Vt.	- (w)	-
Mass.	-	-
R.I.	-	-
Conn.	1,677	2,737
Middle Atlantic		
N.Y.	*	*
N.J.	7,513	17,608
Pa.	*	*
East North Central		
Ohio	2,279	3,830
Ind.	3,627	3,926
Ill.	-	-
Mich.	-	-
Wisc.	-	-
West North Central		
Minn.	-	-
Ia.	378	2,835
Mo.	239	2,330
N.D.	731	2,924
S.D.	(a)	8,479
Nebr.	- (x)	-
Kans.	-	-
South Atlantic		
Del.	-	-
Md.	6,076 (y)	10,249
D.C.	219	657
Va.	-	-
W.Va.	-	-
N.C.	-	-
S.C.	-	-
Ga.	-	-
Fla.	(z)	(z)
East South Central		
Ky.	-	-
Tenn.	-	-
Ala.	65	195
Miss.	-	-
West South Central		
Ark.	-	-
La.	9,778	9,778
Okla.	- (aa)	-
Tex.	-	-
Mountain		
Mont.	143	646
Ida.	3,425	5,535
Wyo.	-	-
Colo.	1,639	4,521
N.M.	590	*
Ariz.	65	91
Utah	-	-
Nev.	438	3,999
Pacific		
Wash.	-	-
Ore.	-	-
Cal.	412	800
Alaska	-	-
Hawaii	350	1,254
Guam	-	-
P.R.	-	-
V.I.	-	-

TABLES 2-46 - 2-51. FOOTNOTES

- (a) All water specimens/exams included together, regardless of source.
- (b) Does not include drinking water testing performed by local health departments.
- (c) Swimming Pools includes Recreational Water.
- (d) Raw waters, pools and brine make up recreational waters.
- (e) Represents source of Raw Water for treatment and streams.
- (f) Recreational Water included in Raw Water.
- (g) Sources of Raw Water include Recreational Water and Waste Water.
- (h) Source of Raw Water includes Swimming Pools and Recreational Water.
- (i) Drinking Water includes Source of Raw Water and Recreational Water.
- (j) Milk and Cream and Other Dairy Products included together.
- (k) Handled by State Department of Agriculture or local public health laboratories.
- (l) Includes Milk and Cream, Frozen Desserts and Other Dairy Products.
- (m) These tests are done in the Diagnostic Laboratory of the Department of Livestock in Bozeman.
- (n) Handled by State Department of Agriculture.
- (o) Frozen and dispensed drinks.
- (p) Examination of Shellfish and Shellfish-Bearing Waters is performed at the Department of Environmental Protection Laboratory located at Leed's Point, N.J.
- (q) Figure under Food Quality represents all food specimens and exams.
- (r) Included with Raw Waters and Food Quality.
- (s) Food Quality includes Food-Associated Disease Outbreaks and Beverages.
- (t) Food Quality includes Food-Associated Disease Outbreaks.
- (u) Included under Food Quality.
- (v) Included in Drinking Waters.
- (w) Responsibility of Water Resources Laboratory.
- (x) All Stream Pollution samples are tested at the Department of Environmental Control Laboratories.
- (y) Sewage Effluents.
- (z) Included in Raw Waters.
- (aa) Offered by Environmental Health Services, OSDH.

TABLE 2-52. SANITARY AND ENVIRONMENTAL CHEMISTRY: TOTAL SPECIMENS AND EXAMINATIONS

TABLE 2-53. SANITARY CHEMISTRY: DRINKING WATER

	Total Specimens	Total Exams	Total Specimens	Complete Analysis
New England				
Me.	16,195	117,734	15,702	15,702
N.H.	-	-	-	-
Vt.	5,350	20,940	5,350	20,940
Mass.	-	-	-	-
R.I.	6,131	42,917	-	-
Conn.	35,406	167,031	10,753	31,584
Middle Atlantic				
N.Y.	*	*	*	*
N.J.	12,291	123,293	2,458	8,631
Pa.	*	*	*	*
East North Central				
Ohio	11,804	161,306	3,720	76,389
Ind.	12,043	96,379	5,648	18,426
Ill.	53,091	72,013	32,350	-
Mich.	16,751	47,610	16,506	-
Wisc.	18,020	107,818	2,000	13,000
West North Central				
Minn.	-	-	-	-
Ia.	30,436	509,614	10,688	163,221
Mo.	6,595	22,867	2,574	15,229
N.D.	3,416	5,088	2,613	458
S.D.	7,940	28,865	7,940 (j)	-
Nebr.	2,051	7,822	2,051	5,595
Kans.	6,636	78,840	1,943	19,936
South Atlantic				
Del.	1,513	8,369	1,513	-
Md.	30,600	127,407	6,668	-
D.C.	1,185	4,325	294	-
Va.	19,942	256,550	1,942	57,914 (a)
W.Va.	-	-	-	-
N.C.	13,201	111,000	*	*
S.C.	21,298	125,110	12,213	105,253
Ga.	-	-	-	-
Fla.	12,290	24,085	5,610	10,369 (b)
East South Central				
Ky.	8,729	17,764	8,013	7,785
Tenn.	- (c)	-	-	-
Ala.	53,560	66,063	44,286	-
Miss.	1,464	5,064	1,177	1,729
West South Central				
Ark.	2,908	5,570	- (d)	-
La.	8,863	42,514	772	7,226
Okla.	7,868	7,868	- (e)	-
Tex.	15,033	88,327	4,633	45,231
Mountain				
Mont.	2,860	23,867	696	2,604
Ida.	5,248	49,369	967	10,900
Wyo.	222	222	222	-
Colo.	5,416	89,271	718	22,931
N.M.	13,560	15,020	13,000	400
Ariz.	3,817	52,457	1,258	35,224 (a)
Utah	26,620	274,613	16,242	16,385
Nev.	5,707	42,421	2,232	34,498
Pacific				
Wash.	2,758	43,056	2,496	21,528
Ore.	39	39	-	-
Cal.	13,193	46,557	5,069	24,021 (a)
Alaska	360	392	320	270
Hawaii	3,963	16,667	673	5,748
Guam	219	219	-	-
P.R.	7,797	38,769	2,505	12,441
V.I.	33	348	33	348

TABLE 2-53. SANITARY CHEMISTRY: DRINKING WATER
(Continued)

	Partial Analysis				
	Nitrate	Iron	Fluorides	Hardness	Other
New England					
Me.	101,500	-	-	-	-
N.H.	-	-	-	-	-
Vt.	-	-	-	-	-
Mass.	-	-	-	-	-
R.I.	-	-	-	-	-
Conn.	-	-	3,707	-	39,428
Middle Atlantic					
N.Y.	*	*	*	*	*
N.J.	378	828	140	481	4,552
Pa.	*	*	*	*	*
East North Central					
Ohio	-	-	1,106	(f)	11,318
Ind.	898	1,066	5,448	923	10,091
Ill.	10,902	572	9,086	562	21,122
Mich.	46,846 (g)	(g)	(g)	(g)	(g)
Wisc.	730	472	3,812	465	7,500
West North Central					
Minn.	-	-	-	-	-
Ia.	15,132	5,022	10,356	3,587	5,256
Mo.	285	115	1,279	95	474
N.D.	-	1,537	750	571	571
S.D.	2,558	1,458	2,154	1,466	17,149
Nebr.	2,227 (g)	(g)	(g)	(g)	(g)
Kans.	4,846	1,231	4,162	1,231	9,320
South Atlantic					
Del.	1,335	1,389	1,281	31	4,333
Md.	4,835	4,612	2,799	4,066	38,177
D.C.	-	-	-	-	1,597
Va.	(a)	(a)	(a)	(a)	(a)
W.Va.	-	-	-	-	-
N.C.	*	*	*	*	*
S.C.	-	-	-	-	-
Ga.	-	-	-	-	-
Fla.	(b)	(b)	(b)	(b)	(b)
East South Central					
Ky.	17	12	7,546	23	1,156
Tenn.	-	-	-	-	-
Ala.	-	-	503	-	50,486
Miss.	-	80	974	80	320
West South Central					
Ark.	-	-	-	-	-
La.	56	282	464	816	5,608
Okla.	-	-	-	-	-
Tex.	21	242	1,164	-	1,562
Mountain					
Mont.	153	14	267	22	764
Ida.	327	*	774	348	9,451
Wyo.	-	-	222	-	-
Colo.	1,061	808	1,285	880	-
N.M.	500	700	500	700	7,200
Ariz.	(a)	(a)	(a)	(a)	(a)
Utah	1,033	2,930	1,631	1,881	101,208
Nev.	-	-	-	-	-
Pacific					
Wash.	1,902	189	528	50	17,332
Ore.	-	-	-	-	-
Cal.	(a)	(a)	(a)	(a)	(a)
Alaska	-	40	30	-	-
Hawaii	213	14	52	211	461
Guam	-	-	-	-	-
P.R.	-	237	1,019	237	10,948
V.I.	-	-	-	-	-

TABLE 2-54. SANITARY CHEMISTRY: MISCELLANEOUS

	Swimming Water		Dairy Products		Food	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	366	366	16	40	110	120
N.H.	-	-	-	-	-	-
Vt.	-	-	(h)	-	-	-
Mass.	-	-	-	-	-	-
R.I.	-	-	-	-	6,131	42,917
Conn.	350	722	9,581	18,970	528	3,386
Middle Atlantic						
N.Y.	*	*	*	*	*	*
N.J.	-	-	2,360	5,102	351	824
Pa.	*	*	*	*	*	*
East North Central						
Ohio	-	-	-	-	-	-
Ind.	-	-	-	-	1,862	1,862
Ill.	16,786	16,327	998	5,345 (i)	2,940	7,881
Mich.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
West North Central						
Minn.	-	-	-	-	-	-
Ia.	-	-	10,660	12,530	-	-
Mo.	-	-	248	543	726	2,186
N.D.	-	-	-	-	-	-
S.D.	-	-	-	-	(j)	367
Nebr.	-	-	-	-	-	-
Kans.	1,500	3,000	-	-	-	-
South Atlantic						
Del.	-	-	-	-	-	-
Md.	-	-	10,968	15,676	4,551	9,340
D.C.	-	-	121	299	713	2,247
Va.	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-
N.C.	*	*	*	*	*	*
S.C.	-	-	8,765	18,760	-	-
Ga.	-	-	-	-	-	-
Fla.	(b)	(b)	6,517	13,034	131	362
East South Central						
Ky.	-	-	5	5	304	813
Tenn.	-	-	-	-	-	-
Ala.	22	22	9,252	15,052	-	-
Miss.	120	1,714	(k)	(k)	-	-
West South Central						
Ark.	-	-	2,908	5,570	-	-
La.	-	-	5,387	19,046	813	3,654
Okla.	(e)	-	6,458	6,458	1,410	1,410
Tex.	-	-	1,130	4,224	1,180	16,698
Mountain						
Mont.	-	-	-	-	226	737
Ida.	*	*	-	-	-	-
Wyo.	-	-	-	-	-	-
Colo.	-	-	379	438	1,615	6,592
N.M.	200	3,000	-	-	-	-
Ariz.	-	-	1,574	1,574	218	218
Utah	5,418	6,461	(h)	-	152	442
Nev.	-	-	2,901	3,429	136	495
Pacific						
Wash.	-	-	-	-	7	35
Ore.	-	-	-	-	-	-
Cal.	(1)	92	(1)	816	5,767	14,892
Alaska	-	-	-	-	-	-
Hawaii	584	3,538	1,552	3,176	683	781
Guam	219	219	-	-	-	-
P.R.	-	-	4,453	11,409	839	2,478
V.I.	-	-	-	-	-	-

TABLE 2-54. SANITARY CHEMISTRY: MISCELLANEOUS
(Continued)

	Other		Types of Tests
	Specimens	Exams	
New England			
Conn.	12,789	49,866	Clinical thermometers, metals, etc. on solid wastes, oil identification, lead in paint.
Middle Atlantic			
N.J.	337	654	Brains, clams, fish tested for metals.
East North Central			
Ohio	253	253	Sand sieve analysis.
Ill.	17	85	Chloride, hardness, detergent, nitrate, pH, solids, calcium, lead, mercury.
West North Central			
Ia.	126	12,252	*
Mo.	3,047	2,661	Beverage.
South Atlantic			
Md.	2,058	11,603	Beverages, artificial color, borate, cadmium, copper, electrophoresis, fat, spectrophotometer, thermometer calibration, miscellaneous qualitative analysis, filth, lead, net contents, organoleptic, pesticides, thin layer chromatography: petroleum products, pH, insect identification, optical rotation, starch, sulphur, sulfite.
D.C.	57	182	*
S.C.	320	1,097	Shellfish metal analysis, shellfish water metal analysis, and shellfish pesticide analysis.
Fla.	32	320	Bedding.
East South Central			
Ky.	407	407	*
West South Central			
La.	1,609	5,080	Meat, beverages.
Tex.	1,560	*	Meat for Veterinary Public Health.
Mountain			
Mont.	26	218	Soil samples for fluoride, orthophosphate, iron, copper, zinc, cadmium, arsenic, manganese, lead, aluminum, nickel, calcium, magnesium, sodium, chloride, alkalinity, sulfate; bioalgalassays to determine limiting nutrient in eutrophication; ceramic cup tested for lead; paint samples for lead.
Colo.	666	1,738	Heavy metals in food; lead in pottery, foreign materials, drug identifications.
Ariz.	100	100	Identification of foreign material.
Pacific			
Wash.	255	881	Blood lead, heavy metals in ceramicware paints.
Ore.	39	39	Shellfish toxicity.

TABLE 2-55. SANITARY AND ENVIRONMENTAL CHEMISTRY: WATER POLLUTION

	Total Specimens	Total Exams	Dissolved Oxygen	Phosphates
New England				
Me.	1	6	-	-
N.H.	-	-	-	-
Vt.	- (m)	-	-	-
Mass.	-	-	-	-
R.I.	-	-	-	-
Conn.	1,405	19,368	1,342	549
Middle Atlantic				
N.Y.	*	*	*	*
N.J.	6,785	101,703	9,527	7,268
Pa.	*	*	*	*
East North Central				
Ohio	7,831	72,240	-	690
Ind.	4,533	57,665	- (n)	3,753
Ill.	-	131	-	14
Mich.	245	764	*	*
Wisc.	16,020	81,839	-	7,134
West North Central				
Minn.	-	-	-	-
Ia.	8,962	282,258	3,777	7,881
Mo.	-	-	-	-
N.D.	803	1,201	323	323
S.D.	(j)	3,713	-	1,623
Nebr.	-	-	-	-
Kans.	3,193	35,114	1,850	3,154
South Atlantic				
Del.	-	-	-	-
Md.	6,355	36,299	5,600	5,515
D.C.	-	-	-	-
Va.	18,000	198,636	-	13,280
W.Va.	-	-	-	-
N.C.	*	*	*	*
S.C.	-	-	-	-
Ga.	-	-	-	-
Fla.	(b)	(b)	*	*
East South Central				
Ky.	-	-	-	-
Tenn.	-	-	-	-
Ala.	-	-	-	-
Miss.	167	167	-	-
West South Central				
Ark.	- (d)	-	-	-
La.	282	282	67	87
Okla.	- (e)	-	-	-
Tex.	6,500	19,185	-	6,874
Mountain				
Mont.	1,912 (o)	19,088	3	1,779
Ida.	4,281	38,469	*	1,180
Wyo.	-	-	-	-
Colo.	2,038	53,538	53,538	-
N.M.	360	2,020	-	300
Ariz.	667	15,341	*	*
Utah	4,808	138,690	12,903	3,952
Nev.	438	3,999	-	-
Pacific				
Wash.	-	611	-	82
Ore.	-	-	-	-
Cal.	2,357	6,736	*	*
Alaska	40	52	-	-
Hawaii	471	2,473	461	1,471
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-55. SANITARY AND ENVIRONMENTAL CHEMISTRY: WATER POLLUTION
(Continued)

	BOD	COD	Detergents	Other
New England				
Me.	-	-	-	6
N.H.	-	-	-	-
Vt.	-	-	-	-
Mass.	-	-	-	-
R.I.	-	-	-	-
Conn.	2,808	35	147	14,487
Middle Atlantic				
N.Y.	*	*	*	*
N.J.	9,301	1,872	4,880	68,855
Pa.	*	*	*	*
East North Central				
Ohio	1,387	896	744	68,523
Ind.	3,170	2,480	34	48,228
Ill.	-	-	117	-
Mich.	*	*	*	*
Wisc.	9,376	341	34	64,954
West North Central				
Minn.	-	-	-	-
Ia.	115,126	3,740	-	151,734
Mo.	-	-	-	-
N.D.	480	50	25	-
S.D.	2,090	-	-	-
Nebr.	-	-	-	-
Kans.	1,250	750	10	28,100
South Atlantic				
Del.	-	-	-	-
Md.	5,576	2,234	10	17,364
D.C.	-	-	-	-
Va.	5,312	3,278	20	176,746
W.Va.	-	-	-	-
N.C.	*	*	*	*
S.C.	-	-	-	-
Ga.	-	-	-	-
Fla.	*	*	*	*
East South Central				
Ky.	-	-	-	-
Tenn.	-	-	-	-
Ala.	-	-	-	-
Miss.	-	-	-	167
West South Central				
Ark.	-	-	-	-
La.	81	47	-	-
Okla.	-	-	-	-
Tex.	9,797	2,417	97	-
Mountain				
Mont.	76	7	-	17,223
Ida.	1,861	1,773	*	33,655
Wyo.	-	-	-	-
Colo.	-	-	-	-
N.M.	360	360	100	900
Ariz.	*	*	*	*
Utah	1,670	387	-	123,730
Nev.	3,999	-	-	-
Pacific				
Wash.	-	-	61	468
Ore.	-	-	-	-
Cal.	*	*	*	*
Alaska	-	-	-	52
Hawaii	471	-	16	54
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-56. AIR POLLUTION

	Total Specimens	Total Exams	Discrete Sampling	Continuous Sampling	No. of Stations
New England					
Me.	-	-	-	-	-
N.H.	-	-	-	-	-
Vt.	- (p)	-	-	-	-
Mass.	-	-	-	-	-
R.I.	-	-	-	-	-
Conn.	10,779	20,386	X	X	(q)
Middle Atlantic					
N.Y.	*	*	*	*	*
N.J.	-	-	-	-	-
Pa.	*	*	*	*	*
East North Central					
Ohio	9,089	23,879	X	-	(r)
Ind.	- (s)	-	-	-	-
Ill.	-	-	-	-	-
Mich.	-	-	-	-	-
Wisc.	8,923	12,994	X	X	200
West North Central					
Minn.	-	-	-	-	-
Ia.	3,009	132,026	X	X	93
Mo.	-	-	-	-	-
N.D.	3,450	3,450	X	-	-
S.D.	(j)	1,486	X	-	-
Nebr.	- (t)	-	-	-	-
Kans.	6,358	7,449	X	X	60
South Atlantic					
Del.	-	-	-	-	-
Md.	11,832	15,980	X	X	118
D.C.	-	-	-	-	-
Va.	10,727	10,727	X	- (u)	-
W.Va.	-	-	-	-	-
N.C.	-	-	-	-	-
S.C.	-	-	-	-	-
Ga.	-	-	-	-	-
Fla.	1,430 (v)	1,943 (v)	-	-	-
East South Central					
Ky.	-	-	-	-	-
Tenn.	- (c)	-	-	-	-
Ala.	-	-	-	-	-
Miss.	-	-	-	-	-
West South Central					
Ark.	- (w)	-	-	-	-
La.	-	-	-	-	-
Okla.	- (e)	-	-	-	-
Tex.	-	-	-	-	-
Mountain					
Mont.	5,901	7,300	X	X	(x)
Ida.	3,369	5,329	X	X	2
Wyo.	- (y)	-	-	-	-
Colo.	-	-	-	-	-
N.M.	2,800	11,500	X	-	40
Ariz.	2,104	6,171	X	X	45
Utah	831	834	-	-	(z)
Nev.	1,670	1,710	X	-	16
Pacific					
Wash.	- (aa)	-	-	-	-
Ore.	-	-	-	-	-
Cal.	5,179	27,724	X	-	-
Alaska	-	-	-	-	-
Hawaii	17,568	17,568	X	X	9
Guam	-	-	-	-	-
P.R.	-	-	-	-	-
V.I.	-	-	-	-	-

TABLES 2-52 - 2-56. FOOTNOTES

- (a) All Drinking Water Exams included in one figure, not broken down further.
- (b) Drinking Water includes Swimming Water and Water Pollution. Does not include analyses performed by Department of Pollution Control and in city or county pollution control agencies. Complete Analysis and Partial Analysis included in one total.
- (c) Responsibility of the Bureau of Environmental Health.
- (d) Water and Food Chemistry samples are tested by the Division of Environmental Chemistry, but most Milk Chemistries and Water Pollution Exams are within the jurisdiction of the Department of Pollution Control and Ecology.
- (e) Offered by Environmental Health Services, OSDH.
- (f) Included under Complete and Other Analyses.
- (g) Total for Partial Analysis not broken down by type.
- (h) Responsibility of Agriculture Department.
- (i) Includes chemical procedures carried out on specimens received primarily for microbiology.
- (j) All Sanitary and Environmental Specimens included with Drinking Water specimens.
- (k) Included with Milk and Cream, Table 2-48.
- (l) Included in Sanitary and Environmental Microbiology specimens.
- (m) Responsibility of Water Resources Laboratory.
- (n) Determinations for Dissolved Oxygen performed by Water Pollution Division in the field.
- (o) Additional analyses are performed at branch offices of the Water Quality Bureau.
- (p) Responsibility of Occupational Health Laboratory.
- (q) Varies with type sample.
- (r) Not under laboratory jurisdiction.
- (s) Performed in the Division of Sanitary Engineering, ISBH.
- (t) All Air Pollution Control Activity handled by Department of Environmental Control.
- (u) Continuous sampling and other field work performed by State Air Pollution Board.
- (v) Includes 917 specimens and examinations on pollen counts. Does not include analyses performed by Department of Pollution Control and in city or county pollution control agencies.
- (w) Performed by Department of Pollution Control and Ecology.
- (x) Field testing is performed by, or under the auspices of the Air Quality Bureau, Montana State Department of Health and Environmental Sciences.
- (y) Air Quality laboratory work handled by Department of Environmental Quality.
- (z) Field monitoring systems are under Environmental Health.
- (aa) Performed by Department of Ecology.

TABLE 2-57. OCCUPATIONAL HEALTH AND SAFETY

	Total Specimens	Total Exams	Chemical Analyses	
			Human Source	Environmental Source
New England				
Me.	6	6	6	-
N.H.	-	-	-	-
Vt.	-(a)	-	-	-
Mass.	-	-	-	-
R.I.	-	-	-	-
Conn.	2,534	3,693	2,769	924
Middle Atlantic				
N.Y.	-	-	-	-
N.J.	-	-	-	-
Pa.	*	*	*	*
East North Central				
Ohio	1,442	7,489	513	6,976
Ind.	-(b)	-	-	-
Ill.	-	-	-	-
Mich.	-	-	-	-
Wisc.	3,190	4,714(c)	114	-
West North Central				
Minn.	-	-	-	-
Ia.	1,416	111,376	-	111,376
Mo.	134	235	136	99
N.D.	-	-	-	-
S.D.	-	-	-	-
Nebr.	-(d)	-	-	-
Kans.	231	234	-	234
South Atlantic				
Del.	-	-	-	-
Md.	4,295	5,493	-	5,493
D.C.	-	-	-	-
Va.	905	905	(e)	905
W.Va.	-	-	-	-
N.C.	3,131	11,965	-	11,965
S.C.	1,630	6,463(c)	6	6,424
Ga.	-	-	-	-
Fla.	-(f)	-	-	-
East South Central				
Ky.	1,305	2,013	-	2,013
Tenn.	-(g)	-	-	-
Ala.	-	-	-	-
Miss.	-	-	-	-
West South Central				
Ark.	-	-	-	-
La.	-	-	-	-
Okla.	-(h)	-	-	-
Tex.	-	-	-	-
Mountain				
Mont.	466	892(c)	10	732
Ida.	-(i)	-	-	-
Wyo.	-(j)	-	-	-
Colo.	-	-	-	-
N.M.	-	-	-	-
Ariz.	363	363	81	282
Utah	625	3,712	1,883	1,829
Nev.	-	-	-	-
Pacific				
Wash.	-	-	-	-
Ore.	-	-	-	-
Cal.	6,242(k)	11,414	20	11,394
Alaska	-	-	-	-
Hawaii	-	-	-	-
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 2-58. RADIOACTIVITY

	Total Specimens	Total Exams	Air		Milk	
			Specimens	Exams	Specimens	Exams
New England						
Me.	592	744	177	177	15	24
N.H.	-	-	-	-	-	-
Vt.	-(a)	-	-	-	-	-
Mass.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
Conn.	1,428	2,254	980	1,043	44	276
Middle Atlantic						
N.Y.	*	*	*	*	*	*
N.J.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
East North Central						
Ohio	1,615	12,184	-	-	6	*
Ind.	-(b)	-	-	-	-	-
Ill.	1,085	1,456	3	3	20	35
Mich.	-	-	-	-	-	-
Wisc.	1,633	3,055	484	640	181	343
West North Central						
Minn.	-	-	-	-	-	-
Ia.	3,362	100,158	694	1,874	727	31,411
Mo.	480	969	-	-	-	-
N.D.	263	263	241	241	-	-
S.D.	-	-	-	-	-	-
Nebr.	-(1)	-	-	-	-	-
Kans.	873	2,325	252	252	90	630
South Atlantic						
Del.	-	-	-	-	-	-
Md.	1,227	2,523	289	692	60	271
D.C.	-	-	-	-	-	-
Va.	763	1,282	-	-	87	174
W.Va.	-	-	-	-	-	-
N.C.	956	7,983	116	864	85	664
S.C.	-	-	-	-	-	-
Ga.	-	-	-	-	-	-
Fla.	-(m)	-	-	-	-	-
East South Central						
Ky.	-	-	-	-	-	-
Tenn.	-(g)	-	-	-	-	-
Ala.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
West South Central						
Ark.	-(n)	-	-	-	-	-
La.	99	161	-	-	2	2
Okla.	-(h)	-	-	-	-	-
Tex.	1,067	7,600	-	-	37	467
Mountain						
Mont.	(o)	-	-	-	-	-
Ida.	24	24	-	-	-	-
Wyo.	-	-	-	-	-	-
Colo.	4,402	8,707	-	-	-	-
N.M.	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Utah	786	7,076	-(p)	-	-	-
Nev.	-	-	-	-	-	-
Pacific						
Wash.	390	2,542	24	6	46	335
Ore.	-	-	-	-	-	-
Cal.	4,607	8,702	2,917	4,911	45	315
Alaska	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-58. RADIOACTIVITY
(Continued)

	Water and Rainfall		Atomic Energy Plant Monitoring		Other	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	207	347	4	7	189	189
N.H.	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Mass.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
Conn.	136	430	3	19	265	486
Middle Atlantic						
N.Y.	*	*	*	*	*	*
N.J.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
East North Central						
Ohio	1,608	*	*	*	1	*
Ind.	-	-	-	-	-	-
Ill.	392	665	488	555	182	198
Mich.	-	-	-	-	-	-
Wisc.	693	1,392	36	72	239	608
West North Central						
Minn.	-	-	-	-	-	-
Ia.	440	20,342	-	-	1,501	46,531
Mo.	480	969	-	-	-	-
N.D.	12	12	-	-	10	10
S.D.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Kans.	440	1,106	-	-	91	337
South Atlantic						
Del.	-	-	-	-	-	-
Md.	849	1,505	(q)	(q)	29	55
D.C.	-	-	-	-	-	-
Va.	178	356	163(r)	326	335	426
W.Va.	-	-	-	-	-	-
N.C.	566	4,465	-	-	189	1,990
S.C.	-	-	-	-	-	-
Ga.	-	-	-	-	-	-
Fla.	-	-	-	-	-	-
East South Central						
Ky.	-	-	-	-	-	-
Tenn.	-	-	-	-	-	-
Ala.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
West South Central						
Ark.	-	-	-	-	-	-
La.	97	159	-	-	-	-
Okla.	-	-	-	-	-	-
Tex.	780	6,482	-	-	250	651
Mountain						
Mont.	-	-	-	-	-	-
Ida.	24	24	-	-	-	-
Wyo.	-	-	-	-	-	-
Colo.	3,956	7,369	446	1,338	-	-
N.M.	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Utah	786	7,076	-	-	-	-
Nev.	-	-	-	-	-	-
Pacific						
Wash.	157	1,080	161	1,109	2	12
Ore.	-	-	-	-	-	-
Cal.	261	681	797	1,330	587	1,465
Alaska	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-59. PESTICIDES

	Total Specimens	Total Exams	Milk		Water	
			Specimens	Exams	Specimens	Exams
New England						
Me.	203	276	5	5	21	33
N.H.	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Mass.	-	-	-	-	-	-
R.I.	354	473	37	60	247	306
Conn.	90	334	-	-	64	67
Middle Atlantic						
N.Y.	*	*	*	*	*	*
N.J.	328	773	125	250	131	393
Pa.	*	*	*	*	*	*
East North Central						
Ohio	624	18,882	-	18,882	577	*
Ind.	536	861	481	770	-	-
Ill.	828	828	337	337	76	76
Mich.	1,369	5,472	-	-	5	17
Wisc.	606	3,418	-	-	-	-
West North Central						
Minn.	-	-	-	-	-	-
Ia.	284	23,626	-	-	257	18,280
Mo.	171	712	20	20	131	655
N.D.	-	-	-	-	-	-
S.D.	-	-	-	-	-	-
Nebr.	-(s)	-	-	-	-	-
Kans.	363	367	-	-	-	-
South Atlantic						
Del.	-	-	-	-	-	-
Md.	781	1,633	48	48	608	1,332
D.C.	-	-	-	-	-	-
Va.	3,697	11,364	529	2,267	(t)	(t)
W.Va.	-	-	-	-	-	-
N.C.	277	644	-	-	47	178
S.C.	2,557	5,333	68	136	103	269
Ga.	-	-	-	-	-	-
Fla.	80	1,520	(t)	(t)	(t)	(t)
East South Central						
Ky.	376	515	246	246	28	56
Tenn.	-(g)	-	-	-	-	-
Ala.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
West South Central						
Ark.	-(u)	-	-	-	-	-
La.	338	338	90	90	49	49
Okla.	-(h)	-	-	-	-	-
Tex.	542	15,001	67	2,466	475	12,535
Mountain						
Mont.	-	-	-	-	-	-
Ida.	864(v)	1,075	153	153	206	206
Wyo.	-(w)	-	-	-	-	-
Colo.	639	1,084	294	387	-	-
N.M.	200	200	10	10	100	100
Ariz.	1,792	1,792	1,500	1,500	74	74
Utah	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
Pacific						
Wash.	2,045	2,555	-	-	354	504
Ore.	-	-	-	-	-	-
Cal.	1,009	5,301	90	2,256	41	110
Alaska	-	-	-	-	-	-
Hawaii	36	73	7	17	12	22
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-59. PESTICIDES
(Continued)

	Food		Human Source		Environmental Source	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
New England						
Me.	-	-	24	45	153	193
N.H.	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Mass.	-	-	-	-	-	-
R.I.	70	107	-	-	-	-
Conn.	9	100	1	2	16	165
Middle Atlantic						
N.Y.	*	*	*	*	*	*
N.J.	59	103	-	-	13	27
Pa.	*	*	*	*	*	*
East North Central						
Ohio	43	*	1	*	3	*
Ind.	55	91	-	-	-	-
Ill.	393	393	-	-	22	22
Mich.	-	-	1,354	5,414	10	41
Wisc.	-	-	-	-	606	3,418
West North Central						
Minn.	-	-	-	-	-	-
Ia.	2	396	-	-	25	4,950
Mo.	6	6	2	9	12	22
N.D.	-	-	-	-	-	-
S.D.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Kans.	5	8	2	3	356	356
South Atlantic						
Del.	-	-	-	-	-	-
Md.	125	253	-	-	-	-
D.C.	-	-	-	-	-	-
Va.	2,526	7,710	8	21	634	1,366
W.Va.	-	-	-	-	-	-
N.C.	-	-	230	466	-	-
S.C.	127	154	1,665	3,711	594	1,063
Ga.	-	-	-	-	-	-
Fla.	(t)	(t)	8	80	72	1,440
East South Central						
Ky.	93	186	-	-	9	27
Tenn.	-	-	-	-	-	-
Ala.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
West South Central						
Ark.	-	-	-	-	-	-
La.	195	195	-	-	4	4
Okla.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Mountain						
Mont.	-	-	-	-	-	-
Ida.	-	-	-	-	505(x)	716
Wyo.	-	-	-	-	-	-
Colo.	132	275	-	-	213	422
N.M.	30	30	-	-	60	60
Ariz.	200	200	-	-	18	18
Utah	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
Pacific						
Wash.	24	26	992	1,297	675	728
Ore.	-	-	-	-	-	-
Cal.	9	216	817	1,297	52	1,422
Alaska	-	-	-	-	-	-
Hawaii	7	14	1	2	9	18
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 2-60. TOXICOLOGY: FORENSIC AND OTHER

	Total Specimens	Total Exams	Drug Analysis		Other Exams
			Specimens	Forensic Exams	
New England					
Me.	18,815	21,274	1,149	3,184	212
N.H.	-	-	-	-	-
Vt.	3,461	3,391	70	70	-
Mass.	-	88,000	-	-	-
R.I.	7,739	28,081	5,344	26,194	-
Conn.	71,975	151,878	33,778	104,019	-
Middle Atlantic					
N.Y.	-	-	-	-	-
N.J.	-	-	-	-	-
Pa.	*	*	*	*	*
East North Central					
Ohio	5,223	5,274	120	-	120
Ind.	471(y)	1,679	471	1,679	-
Ill.	14,679	18,639	202	107	224
Mich.	22,810	142,511	9,773	53,030	1,493
Wisc.	12,720	21,723	16	-	16
West North Central					
Minn.	-	-	-	-	-
Ia.	21,166	284,128	4,625	-	98,233
Mo.	19	103	-	-	-
N.D.	21	21	-	-	-
S.D.	-	-	-	-	-
Nebr.	6,665	18,070	5,009	15,803	-
Kans.	3,750	5,808	28	-	161
South Atlantic					
Del.	178	262	-	-	-
Md.	9,333	19,925	1,311	173	8,223
D.C.	21,535	44,755	*	-	-
Va.	393,932	393,932	336,173	335,611	562
W.Va.	-	-	-	-	-
N.C.	1,039	1,039	-	-	-
S.C.	28,448	28,448	7,353	-	7,353
Ga.	37,704	299,077	-	-	-
Fla.	34,510	142,751	11,125	42,960	1,540
East South Central					
Ky.	1,191	2,376	212	697	-
Tenn.	-(g)	-	-	-	-
Ala.	-	-	-	-	-
Miss.	-	-	-	-	-
West South Central					
Ark.	-(z)	-	-	-	-
La.	32	65	29	-	62
Okla.	-(aa)	-	-	-	-
Tex.	-	-	-	-	-
Mountain					
Mont.	1,661	2,713	89	-	104
Ida.	12,107	31,705	3,431	21,913	-
Wyo.	679	679	61	61	-
Colo.	50,493	77,643	272	-	272
N.M.	18,140	18,140	-	-	-
Ariz.	100	100	-	-	-
Utah	-	-	-	-	-
Nev.	-	-	-	-	-
Pacific					
Wash.	125	125	-	-	-
Ore.	-	-	-	-	-
Cal.	820	1,711	514	10	1,395
Alaska	40	145	40	-	145
Hawaii	54	291	14	192	48
Guam	-	-	-	-	-
P.R.	3,012	3,633	178	799	-
V.I.	30	62	30	62	-

TABLE 2-60. TOXICOLOGY: FORENSIC AND OTHER
(Continued)

	Tissues, Breath, or Body Fluids					
	Specimens	Alcohol Exams			Barbiturate	Lead
		Blood	Breath	Urine		
New England						
Me.	17,666	1,052	1,022	-	-	15,000
N.H.	-	-	-	-	-	-
Vt.	3,391	812	2,282	-	-	-
Mass.	-	-	-	-	-	86,000
R.I.	2,395	669	-	261	135	-
Conn.	38,197	1,292	1,558	683	1,875	28,103
Middle Atlantic						
N.Y.	-	-	-	-	-	-
N.J.	-	-	-	-	-	-
Pa.	*	*	*	*	*	*
East North Central						
Ohio	5,103	18	-	2	-	5,130
Ind.	-	-	-	-	-	-
Ill.	14,477	1,915	-	282	2,228	11,038
Mich.	13,037	10,381	-	537	7,448	-
Wisc.	12,704	1,970(bb)	-	(bb)	4,418	6,676
West North Central						
Minn.	-	-	-	-	-	-
Ia.	16,541	-	-	-	-	185,895
Mo.	19	103	-	-	-	-
N.D.	21	-	-	-	-	16
S.D.	-	-	-	-	-	-
Nebr.	1,656	544	418	370	-	-
Kans.	3,722	2,938	-	15	510	229
South Atlantic						
Del.	178	-	-	-	-	262
Md.	8,022	-	-	-	-	11,115
D.C.	21,535	49	369	2,707	1,305	35,856
Va.	57,759	6,069	15,358	-	(cc)	6,754
W.Va.	-	-	-	-	-	-
N.C.	1,039	-	-	-	-	1,039
S.C.	21,095	-	-	-	-	21,048
Ga.	37,704	-	-	-	37,339	365
Fla.	23,385	6,620	-(dd)	-	1,050	-(f)
East South Central						
Ky.	979	231	-	-	462	57
Tenn.	-	-	-	-	-	-
Ala.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
West South Central						
Ark.	-	-	-	-	-	-
La.	3	-	-	-	-	3
Okla.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Mountain						
Mont.	1,572	832	838	51	644	241
Ida.	8,676	348	7,099	-	*	885(ee)
Wyo.	618	618	-	-	-	-
Colo.	50,221	247	-	-	-	-
N.M.	18,140	900	8,200	-	20	9,000
Ariz.	100	-	-	-	-	100
Utah	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
Pacific						
Wash.	125	-	-	-	-	120
Ore.	-	-	-	-	-	-
Cal.	306	-	-	-	-	281
Alaska	-	-	-	-	-	-
Hawaii	40	2	-	-	-	1
Guam	-	-	-	-	-	-
P.R.	2,834	2,832	-	2	-	-
V.I.	-	-	-	-	-	-

TABLE 2-60. TOXICOLOGY: FORENSIC AND OTHER
(Continued)

	Tissues, Breath, or Body Fluids			
	Other Heavy Metals	Narcotics	Psychotropic Agents	Others
New England				
Me.	7	724	-	73
N.H.	-	-	-	-
Vt.	-	-	-	227
Mass.	-	-	-	2,300
R.I.	17	172	633	-
Conn.	271	4,421	180	9,476
Middle Atlantic				
N.Y.	-	-	-	-
N.J.	-	-	-	-
Pa.	*	*	*	*
East North Central				
Ohio	-	2	2	-
Ind.	-	-	-	-
Ill.	63	204	46	2,532
Mich.	378	6,470	6,035	56,739
Wisc.	407	3,473	6	4,757
West North Central				
Minn.	-	-	-	-
Ia.	-	-	-	-
Mo.	-	-	-	-
N.D.	5	-	-	-
S.D.	-	-	-	-
Nebr.	-	-	-	935(ff)
Kans.	135	303	946	571
South Atlantic				
Del.	-	-	-	-
Md.	414	-	-	-
D.C.	554	1,305	*	2,610
Va.	(cc)	(cc)	(cc)	29,578(cc)
W.Va.	-	-	-	-
N.C.	-	-	-	-
S.C.	-	-	-	47
Ga.	-	112,017	74,678	74,678
Fla.	-(f)	7,140	-	83,441(gg)
East South Central				
Ky.	5	462	462	-
Tenn.	-	-	-	-
Ala.	-	-	-	-
Miss.	-	-	-	-
West South Central				
Ark.	-	-	-	-
La.	-	-	-	-
Okla.	-	-	-	-
Tex.	-	-	-	-
Mountain				
Mont.	-	-	-	3
Ida.	437	381	-	642
Wyo.	-	-	-	-
Colo.	-	77,124	-	-
N.M.	10	10	-	-
Ariz.	-	-	-	-
Utah	-	-	-	-
Nev.	-	-	-	-
Pacific				
Wash.	-	-	-	5
Ore.	-	-	-	-
Cal.	25	-	-	-
Alaska	-	-	-	-
Hawaii	27	10	10	1
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLES 2-57 - 2-60. FOOTNOTES

- (a) Responsibility of Occupational Health Laboratory.
- (b) Performed in the Bureau of Engineering, ISBH.
- (c) Biological analyses reported as follows: Environmental Source, Wisconsin, 4,600 exams; South Carolina, 33 exams; Human Source, Montana, 150 exams.
- (d) All OSH activity in Nebraska has been relegated to the federal agency.
- (e) Some samples such as lead in blood, pesticides, etc., reported in other sections of this report.
- (f) Performed by Occupational Health Section.
- (g) Responsibility of Bureau of Environmental Health.
- (h) Offered by Environmental Health Services, OSDH.
- (i) Function of State Department of Labor.
- (j) All Occupational Health laboratory work done by Department of Occupational Health and Safety.
- (k) Includes Occupational Health and Safety, 6,028 specimens, and Environmental Health and Safety, 214 specimens.
- (l) All laboratory analyses for Radioactivity assigned to the Division of Radiological Health of the State Department of Health.
- (m) Performed by Radiological Health Section.
- (n) Responsibility of Division of Radiological Health.
- (o) Air and Water samples are usually referred to the EPA in Durham, North Carolina and Denver, respectively; Milk samples are sent to the Radiological Laboratory in Las Vegas, Nevada.
- (p) Handled by Field Stations of Bureau of Environmental Health.
- (q) Included in the other categories.
- (r) Includes water, air and milk samples not itemized in these categories.
- (s) All pesticide laboratory activity is handled by the Department of Agriculture laboratories.
- (t) Included in Environmental Source.
- (u) Responsibility of Division of Environmental Chemistry.
- (v) Does not include studies performed in conjunction with EPA (Epidemiological Studies Project).
- (w) Performed by Department of Agriculture.
- (x) Includes samples submitted as part of Tussock Moth Study in Idaho.
- (y) All other analyses performed by the Toxicology Laboratory, Indiana University School of Medicine.
- (z) Responsibility of Division of Environmental Chemistry and Division of Blood Alcohol.
- (aa) Offered by the laboratories of the State Crime Bureau and Board of Unexplained Deaths in selected cases.
- (bb) Blood and Urine included together.
- (cc) Included under Other. Classified by type of specimen and not by type of examination.
- (dd) Performed by state and local law enforcement agencies.
- (ee) Includes sample from north Idaho lead problem area and those submitted in EPSDT screening program.
- (ff) Total controlled substances (screening and identification).
- (gg) Includes Urine Screening for Narcotics and Dangerous Drugs, 83,056 exams.

SECTION III

FINANCES

Figure 2
LABORATORY EXPENDITURES PER CAPITA



YEAR OF CONSOLIDATED ANNUAL REPORT

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

TABLE 3-1. LABORATORY EXPENDITURES

	Estimated Population(a)	Laboratory Expenditures	Laboratory Expenditures Per Capita
New England			\$ 0.689
Me.	1,028,000	679,554	0.661
N.H.	791,000	247,097	0.312
Vt.	464,000	383,479	0.826
Mass.	5,818,000	3,216,593	0.553
R.I.	973,000	1,035,711	1.064
Conn.	3,076,000	2,812,975	0.914
Middle Atlantic			0.408
N.Y.	18,265,000	*	*
N.J.	7,361,000	3,003,649	0.408
Pa.	11,902,000	*	*
East North Central			0.421
Ohio	10,731,000	2,406,394	0.224
Ind.	5,316,000	963,116	0.181
Ill.	11,236,000	2,357,340	0.210
Mich.	9,044,000	8,089,700	0.894
Wisc.	4,569,000	3,389,994	0.742
West North Central			0.342
Minn.	3,897,000	*	*
Ia.	2,904,000	1,869,016	0.644
Mo.	4,757,000	638,818	0.134
N.D.	640,000	317,659	0.496
S.D.	685,000	247,374	0.361
Nebr.	1,542,000	330,241	0.214
Kans.	2,279,000	982,361	0.431
South Atlantic			0.544
Del.	576,000	216,734	0.376
Md.	4,070,000	3,742,874	0.920
D.C.	746,000	1,019,255	1.366
Va.	4,811,000	3,274,370	0.681
W.Va.	1,794,000	643,410	0.359
N.C.	5,273,000	2,004,598	0.380
S.C.	2,726,000	1,401,093	0.514
Ga.	4,786,000	2,267,084	0.474
Fla.	7,678,000	3,092,721	0.403
East South Central			0.444
Ky.	3,342,000	956,759	0.290
Tenn.	4,126,000	1,659,439	0.402
Ala.	3,539,000	2,553,720	0.722
Miss.	2,281,000	730,314	0.320
West South Central			0.236
Ark.	2,037,000	581,877	0.286
La.	3,764,000	1,705,358	0.453
Okla.	2,663,000	594,657	0.223
Tex.	11,794,000	1,900,100	0.161
Mountain			0.642
Mont.	721,000	341,807	0.474
Ida.	770,000	1,055,510	1.371
Wyo.	353,000	200,438	0.568
Colo.	2,437,000	1,170,044	0.480
N.M.	1,106,000	965,140	0.873
Ariz.	2,058,000	982,908	0.478
Utah	1,157,000	728,188	0.629
Nev.	548,000	425,982	0.777
Pacific			0.397
Wash.	3,429,000	*	*
Ore.	2,225,000	819,205	0.368
Cal.	20,601,000	7,178,418(b)	0.348
Alaska	330,000	793,400	2.404
Hawaii	832,000	721,812	0.868
			0.353
Guam	85,000	164,456(c)	1.935
P.R.	2,712,000	822,108	0.303
V.I.	62,000	*	*
NATIONAL AVERAGE:			0.444

TABLE 3-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE

	Total Expenditures	Expenditures for Salaries	% of Total Expenditures for Salaries	Expenditures for Personnel Benefits	% of Total Expenditures for Personnel Benefits
New England			71.3		2.2
Me.	\$ 679,554	\$ 431,816	63.5	\$ 45,997	6.8
N.H.	247,097	173,783	70.3	14,951	6.1
Vt.	383,479	276,405	72.1	18,576	4.9
Mass.	3,216,593	2,037,064	63.3	-	-
R.I.	1,035,711	751,552	72.6	105,776	10.2
Conn.	2,812,975	2,301,050	81.8	-(d)	-
Middle Atlantic			59.4		7.7
N.Y.	*	*	*	*	*
N.J.	3,003,649	1,785,208	59.4	231,268	7.7
Pa.	*	*	*	*	*
East North Central			65.9		11.3
Ohio	2,406,394	1,301,215	54.1	439,673	18.3
Ind.	963,116	960,168	99.7	-	-
Ill.	2,357,340	1,672,095	70.9	250,814	10.7
Mich.	8,089,700	5,085,703	62.9	1,184,825	14.6
Wisc.	3,389,994	2,324,180	68.6	61,126	1.8
West North Central			66.2		8.6
Minn.	*	*	74.0	*	11.8
Ia.	1,869,016	1,221,721	65.4	159,938	8.5
Mo.	638,818	391,054	61.2	55,043	8.6
N.D.	317,659	246,545	77.6	28,555	9.0
S.D.	247,374	167,775	67.8	21,004	8.5
Nebr.	330,241	199,574	60.4	20,677	6.3
Kans.	982,361	677,410	69.0	93,218	9.5
South Atlantic			69.8		6.0
Del.	216,734	173,366	80.0	-	-
Md.	3,742,874	2,880,724	77.0	-	-
D.C.	1,019,255	738,058	72.4	66,105	6.5
Va.	3,274,370	2,458,634	75.1	7,562	0.2
W.Va.	643,410	369,917	57.5	37,674	5.9
N.C.	2,004,598	1,264,298	63.1	207,929	10.4
S.C.	1,401,093	1,013,135	72.3	13,899	1.0
Ga.	2,267,084	1,407,934	62.1	221,178	9.7
Fla.	3,092,721	2,020,751	65.3	505,188	16.3
East South Central			70.0		9.5
Ky.	956,759	623,091	65.1	93,532	9.8
Tenn.	1,659,439	1,312,858	79.1	155,489	9.4
Ala.	2,553,720	1,768,987	69.3	258,600	10.1
Miss.	730,314	422,779	57.9	54,285	7.4
West South Central			78.2		6.0
Ark.	581,877	429,004	73.7	64,968	11.2
La.	1,705,358	1,258,642	73.8	125,616	7.4
Okla.	594,657	421,175	70.9	79,862	13.4
Tex.	1,900,100	1,629,800	85.8	16,400	0.9
Mountain			70.2		4.1
Mont.	341,807	220,490	64.5	29,488	8.6
Ida.	1,055,510	768,027(e)	72.8	(e)	-
Wyo.	200,438	96,236	48.0	13,831	6.9
Colo.	1,170,044	857,434(e)	73.3	(e)	-
N.M.	965,140	631,543	65.4	60,000	6.2
Ariz.	982,908	740,000(e)	75.3	(e)	-
Utah	728,188	513,201	70.5	96,516	13.3
Nev.	425,982	290,573	68.2	39,623	9.3
Pacific			70.1		8.9
Wash.	*	*	*	*	*
Ore.	819,205	461,176	56.3	69,293	8.5
Cal.	7,178,418	5,133,605	71.5	695,728	9.7
Alaska	793,400	439,656	55.4	83,744	10.6
Hawaii	721,812	629,485	87.2	-	-
			82.0		2.9
Guam	164,456	112,953	68.7	11,581	7.0
P.R.	822,108	695,752	84.6	16,559	2.0
V.I.	*	*	*	*	*
NATIONAL AVERAGES:			69.2		7.4

TABLE 3-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(continued)

	Expenditures for Supplies	% of Total Expenditures for Supplies	Expenditures for Equipment	% of Total Expenditures for Equipment
New England		13.0		2.3
Me.	\$ 122,426	18.0	\$ 37,731	5.6
N.H.	49,100	19.9	8,713	3.5
Vt.	54,920	14.3	14,621	3.8
Mass.	415,083	12.9	6,315	0.2
R.I.	75,429	7.3	41,097	4.0
Conn.	373,386	13.3	82,223	2.9
Middle Atlantic		14.6		1.8
N.Y.	*	*	*	*
N.J.	439,465	14.6	52,519	1.8
Pa.	*	*	*	*
East North Central		15.6		2.3
Ohio	500,868	20.8	64,226	2.7
Ind.	-	-	-	-
Ill.	269,165	11.4	28,188	1.2
Mich.	1,148,233	14.2	268,495	3.3
Wisc.	773,258	22.8	40,000	1.2
West North Central		12.8		3.3
Minn.	*	13.0	*	1.0
Ia.	224,196	12.0	37,180	2.0
Mo.	151,812	23.8	32,959	5.2
N.D.	23,309	7.3	653	0.2
S.D.	31,947	12.9	8,610	3.5
Nebr.	37,000	11.2	38,689	11.7
Kans.	92,336	9.4	24,847	2.5
South Atlantic		14.7		3.8
Del.	17,483	8.1	2,698	1.2
Md.	504,781	13.5	117,224 (f)	3.1
D.C.	185,946	18.2	10,809	1.1
Va.	300,658	9.2	268,772	8.2
W.Va.	209,321 (g)	32.5	17,998	2.8
N.C.	290,945	14.5	40,552	2.0
S.C.	214,916	15.3	112,646	8.0
Ga.	398,240	17.6	27,830	1.2
Fla.	468,650	15.2	73,632	2.4
East South Central		11.4		3.1
Ky.	90,220	9.4	30,027	3.2
Tenn.	82,813	5.0	2,700	0.2
Ala.	309,797	12.1	98,240	3.9
Miss.	191,585	26.2	52,666	7.2
West South Central		9.1		1.4
Ark.	73,927	12.7	4,564	0.8
La.	124,910	7.3	49,427	2.9
Okla.	79,776	13.4	4,918	0.8
Tex.	157,000	8.3	8,500	0.4
Mountain		17.1		4.1
Mont.	38,838	11.4	26,154	7.6
Ida.	221,565 (h)	21.0	65,918	6.2
Wyo.	21,856	10.9	26,362	13.2
Colo.	288,767	24.7	13,316	1.1
N.M.	91,726	9.5	88,321	9.2
Ariz.	210,000	21.3	14,500	1.5
Utah	69,937	9.6	4,495 (i)	0.6
Nev.	63,986	15.0	3,300	0.8
Pacific		9.4		2.9
Wash.	*	*	*	*
Ore.	179,257	21.9	65,635	8.0
Cal.	557,938	7.8	175,358	2.4
Alaska	82,400	10.4	12,000	1.5
Hawaii	71,028	9.8	20,846	2.9
		8.0		1.2
Guam	21,830	13.3	9,648	5.9
P.R.	56,907	6.9	2,047	0.3
V.I.	*	*	*	*
NATIONAL AVERAGES:		13.5		2.9

TABLE 3-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

	Expenditures for Travel	% of Total Expenditures for Travel	Other Expenditures	% of Total for Other Expenditures
New England		0.3		10.9
Me.	\$ 7,812	1.1	\$ 33,772	5.0
N.H.	550	0.2	-	-
Vt.	1,177	0.3	17,780	4.6
Mass.	9,252	0.3	748,879	23.3
R.I.	4,326	0.4	57,531	5.5
Conn.	1,000	-	55,316	2.0
Middle Atlantic		0.7		15.8
N.Y.	*	*	*	*
N.J.	20,663	0.7	474,526(j)	15.8
Pa.	*	*	*	*
East North Central		0.4		4.5
Ohio	7,803	0.3	92,609	3.8
Ind.	2,948	0.3	-	-
Ill.	19,910	0.8	117,168	5.0
Mich.	36,059	0.5	366,385	4.5
Wisc.	(k)	-	191,430(k)	5.6
West North Central		1.6		7.5
Minn.	*	0.2	-	-
Ia.	37,675	2.0	188,306	10.1
Mo.	7,950	1.2	-	-
N.D.	920	0.3	17,677	5.6
S.D.	2,795	1.1	15,243(1)	6.2
Nebr.	7,444	2.3	26,857	8.1
Kans.	12,539	1.3	82,011	8.3
South Atlantic		0.5		5.2
Del.	2,065	0.9	21,122	9.8
Md.	3,552	0.1	236,593	6.3
D.C.	1,917	0.2	16,420	1.6
Va.	32,013	1.0	206,731	6.3
W.Va.	3,500	0.5	5,000(m)	0.8
N.C.	9,039	0.4	191,835	9.6
S.C.	13,580	1.0	32,917	2.4
Ga.	5,902	0.3	206,000	9.1
Fla.	24,500	0.8	-	-
East South Central		0.7		5.3
Ky.	3,841	0.4	116,048	12.1
Tenn.	13,710	0.8	91,869	5.5
Ala.	20,252	0.8	97,844	3.8
Miss.	2,771	0.4	6,228	0.9
West South Central		0.4		4.9
Ark.	1,231	0.2	8,183	1.4
La.	8,738	0.5	138,025	8.1
Okla.	3,513	0.6	5,413	0.9
Tex.	7,800	0.4	80,600	4.2
Mountain		1.0		3.5
Mont.	4,335	1.3	22,502(n)	6.6
Ida.	(h)	-	-	-
Wyo.	5,254	2.6	36,899	18.4
Colo.	10,527	0.9	-	-
N.M.	12,000	1.2	81,550	8.5
Ariz.	15,500	1.6	2,908	0.3
Utah	3,990	0.5	40,049	5.5
Nev.	5,500	1.3	23,000(o)	5.4
Pacific		1.0		7.7
Wash.	*	*	*	*
Ore.	5,268	0.6	38,576	4.7
Cal.	86,661	1.2	529,128	7.4
Alaska	9,800	1.2	165,800(p)	20.9
Hawaii	453	0.1	-	-
		0.4		5.5
Guam	400	0.2	8,044	4.9
P.R.	3,830	0.5	47,013	5.7
V.I.	*	*	*	*
NATIONAL AVERAGE:		0.6		6.4

TABLE 3-3. SOURCES OF LABORATORY FUNDS

	Expenditures	State Appropriation	Percent Appropriated by State	Federal Contributions	Percent Contributed by Fed. Government
New England					
Me.	\$ 679,554	\$ 293,270	43.2	\$ 228,935	33.7
N.H.	247,097	151,297	61.2	95,800	38.8
Vt.	383,479	237,779	62.0	137,000	35.7
Mass.	3,216,593	2,752,540	85.6	464,053	14.4
R.I.	1,035,711	958,138	92.5	75,723	7.3
Conn.	2,812,975	2,367,448	84.2	445,527	15.8
Middle Atlantic					
N.Y.	*	*	*	*	*
N.J.	3,003,649	2,146,677	71.5	832,182	27.7
Pa.	*	*	*	*	*
East North Central					
Ohio	2,406,394	697,708	29.0	979,122	40.7
Ind.	963,116	797,056	82.8	166,060	17.2
Ill.	2,357,340	779,543	33.1	1,577,797	66.9
Mich.	8,089,700	6,495,800	80.3	1,511,100	18.7
Wisc.	3,389,994	2,600,518	76.7	32,500	1.0
West North Central					
Minn.	*	*	70.0	*	30.0
Ia.	1,869,016	984,795	52.7	35,200	1.9
Mo.	638,818	32,959	5.2	605,859	94.8
N.D.	317,659	120,555	37.9	197,104	62.1
S.D.	247,374	134,202	54.3	113,172	45.7
Nebr.	330,241	131,843	39.9	191,665	58.1
Kans.	982,361	635,084	64.6	260,806	26.6
South Atlantic					
Del.	216,734	133,246	61.5	80,052	36.9
Md.	3,742,874	3,664,976	97.9	77,898	2.1
D.C.	1,019,255	731,521	71.8	287,734	28.2
Va.	3,274,370	3,274,370	100.0	-	-
W.Va.	643,410	364,192	56.6	196,707	30.6
N.C.	2,004,598	1,328,848	66.3	473,308	23.6
S.C.	1,401,093	966,593	69.0	278,347	19.9
Ga.	2,267,084	1,986,502	87.6	61,556	2.7
Fla.	3,092,721	1,997,835	64.6	1,058,892	34.2
East South Central					
Ky.	956,759	748,808	78.3	207,951	21.7
Tenn.	1,659,439	1,583,596	95.4	71,841	4.3
Ala.	2,553,720	1,227,682	48.1	1,265,864	49.6
Miss.	730,314	293,678	40.2	411,799	56.4
West South Central					
Ark.	581,877	376,033	64.6	199,024	34.2
La.	1,705,358	1,642,813	96.3	-	-
Okla.	594,657	343,760	57.8	250,897	42.2
Tex.	1,900,100	590,000	31.1	940,800	49.5
Mountain					
Mont.	341,807	106,953	31.3	213,203	62.4
Ida.	1,055,510	604,263	57.2	372,247	35.3
Wyo.	200,438	89,911	44.9	110,527	55.1
Colo.	1,170,044	702,027	60.0	409,515	35.0
N.M.	965,140	875,298	90.7	38,799	4.0
Ariz.	982,908	295,474	30.1	682,684	69.4
Utah	728,188	459,627	63.1	268,561	36.9
Nev.	425,982	377,292	88.6	48,690	11.4
Pacific					
Wash.	*	*	*	*	*
Ore.	819,205	541,138	66.1	200,742	24.5
Cal.	7,178,418	2,890,866	40.3	1,349,538	18.8
Alaska	793,400	659,100	83.1	118,100	14.9
Hawaii	721,812	598,163	82.9	123,196	17.1
Guam	164,456	105,002	63.8	59,454	36.2
P.R.	822,108	752,148	91.5	69,960	8.5
V.I.	*	*	*	*	*

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

	Earned Income (Reimbursement for Services)	% of Total Expenditures From Earned Income	Other Sources	% of Total Expenditures From Other Sources
New England				
Me.	\$ 157,349	23.1	\$ -	-
N.H.	-	-	-	-
Vt.	-	-	8,700(q)	2.3
Mass.	-	-	-	-
R.I.	-	-	1,850	0.2
Conn.	-	-	-	-
Middle Atlantic				
N.Y.	*	*	*	*
N.J.	-	-	24,790	0.8
Pa.	*	*	*	*
East North Central				
Ohio	726,208	30.2	3,356	0.1
Ind.	-	-	-	-
Ill.	-	-	-	-
Mich.	-	-	82,800	1.0
Wisc.	756,976	22.3	-	-
West North Central				
Minn.	-	-	-	-
Ia.	359,905	19.2	489,116	26.2
Mo.	-	-	-	-
N.D.	-	-	-	-
S.D.	-	-	-	-
Nebr.	6,733	2.0	-	-
Kans.	86,471	8.8	-	-
South Atlantic				
Del.	-	-	3,436	1.6
Md.	-	-	-	-
D.C.	-	-	-	-
Va.	-	-	-	-
W.Va.	5,000(r)	0.8	77,511	12.0
N.C.	202,442	10.1	-	-
S.C.	156,153	11.1	-	-
Ga.	138,099	6.1	80,927	3.6
Fla.	35,994	1.2	-	-
East South Central				
Ky.	-	-	-	-
Tenn.	672	0.1	3,330	0.2
Ala.	60,174	2.3	-	-
Miss.	24,837	3.4	-	-
West South Central				
Ark.	-	-	6,820	1.2
La.	-	-	62,545	3.7
Okla.	-	-	-	-
Tex.	369,300	19.4	-	-
Mountain				
Mont.	(s)	-	21,651	6.3
Ida.	79,000	7.5	-	-
Wyo.	-	-	-	-
Colo.	-	-	58,502	5.0
N.M.	-	-	51,043	5.3
Ariz.	(t)	-	4,750	0.5
Utah	-	-	-	-
Nev.	-	-	-	-
Pacific				
Wash.	*	*	*	*
Ore.	20,005	2.4	57,320(u)	7.0
Cal.	2,727,073	38.0	210,941	2.9
Alaska	-	-	16,200	2.0
Hawaii	-	-	453	-
Guam	-	-	-	-
P.R.	-	-	-	-
V.I.	*	*	*	*

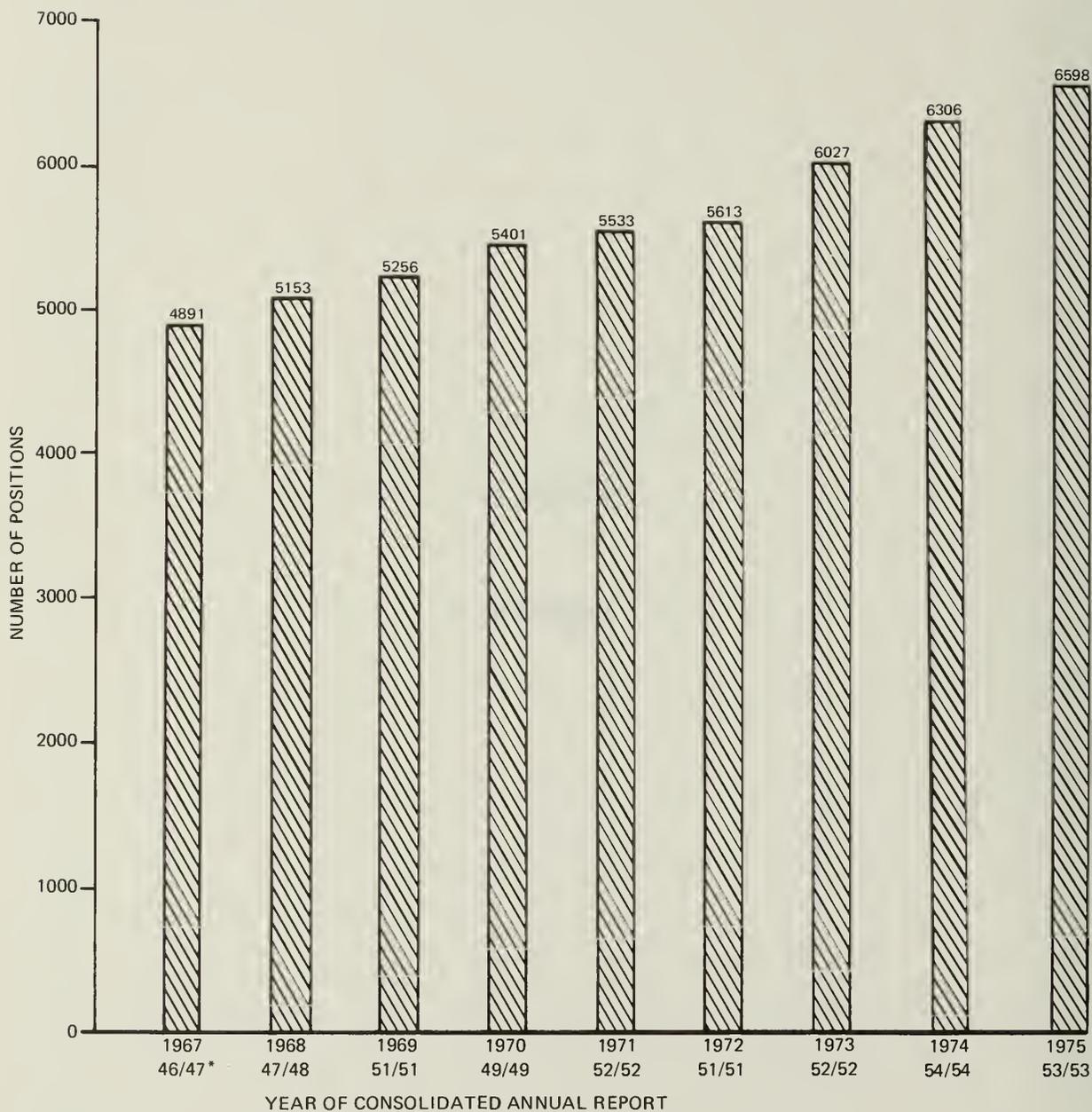
SECTION III. FOOTNOTES

- (a) Estimated population as of July 1, 1973. Taken from Statistical Abstract of the United States: 1974. U. S. Bureau of the Census. (95th Edition) Washington, D.C., 1974, Pages 12 and 810. Figures for Guam, Puerto Rico, and the Virgin Islands are as of April 1, 1970, based on census count.
- (b) In addition to the total shown, special project funds from federal and other state agencies in the amount of \$1,786,551 provided for salary, support services and supplies for 84 staff members.
- (c) Additional funds over budgeted amount (\$12,664) were provided due to cholera and hepatitis outbreak.
- (d) Not included in state appropriation to the Health Department.
- (e) Personnel Benefits included in Salaries.
- (f) Unusually high because of additional equipment purchased upon occupancy of new building.
- (g) Includes \$69,643 for Biologics.
- (h) Travel included in Supplies.
- (i) \$52,458 worth of capital equipment was purchased through a special fund authorization, not included in approved funding statement.
- (j) Includes indirect cost, \$337,776.
- (k) Travel included with Other Expenditures.
- (l) Includes contractual services, \$14,743.
- (m) Welfare.
- (n) Contracted services, communications, rent, utilities, repairs and maintenance, other.
- (o) Rent.
- (p) Contractual services including postage, telephone, Xerox, printing, rent, utilities, janitorial services and freight charges.
- (q) V.D. Project.
- (r) Paid by W. Va. Department of Welfare for evaluation and certification of laboratories participating in Medicaid.
- (s) Fees collected for drugs, water analysis, alcohol, occupational health, etc., are charged against the appropriation or deposited in the State General Fund. They amount to about \$30,000 a year.
- (t) Collected approximately \$116,584 in laboratory fees. This money reverts to the General Fund, and cannot be used by the Laboratory.
- (u) MCH-MR Hypothyroidism (T4) Screening Project grant from non-recurring Federal funds.

SECTION IV

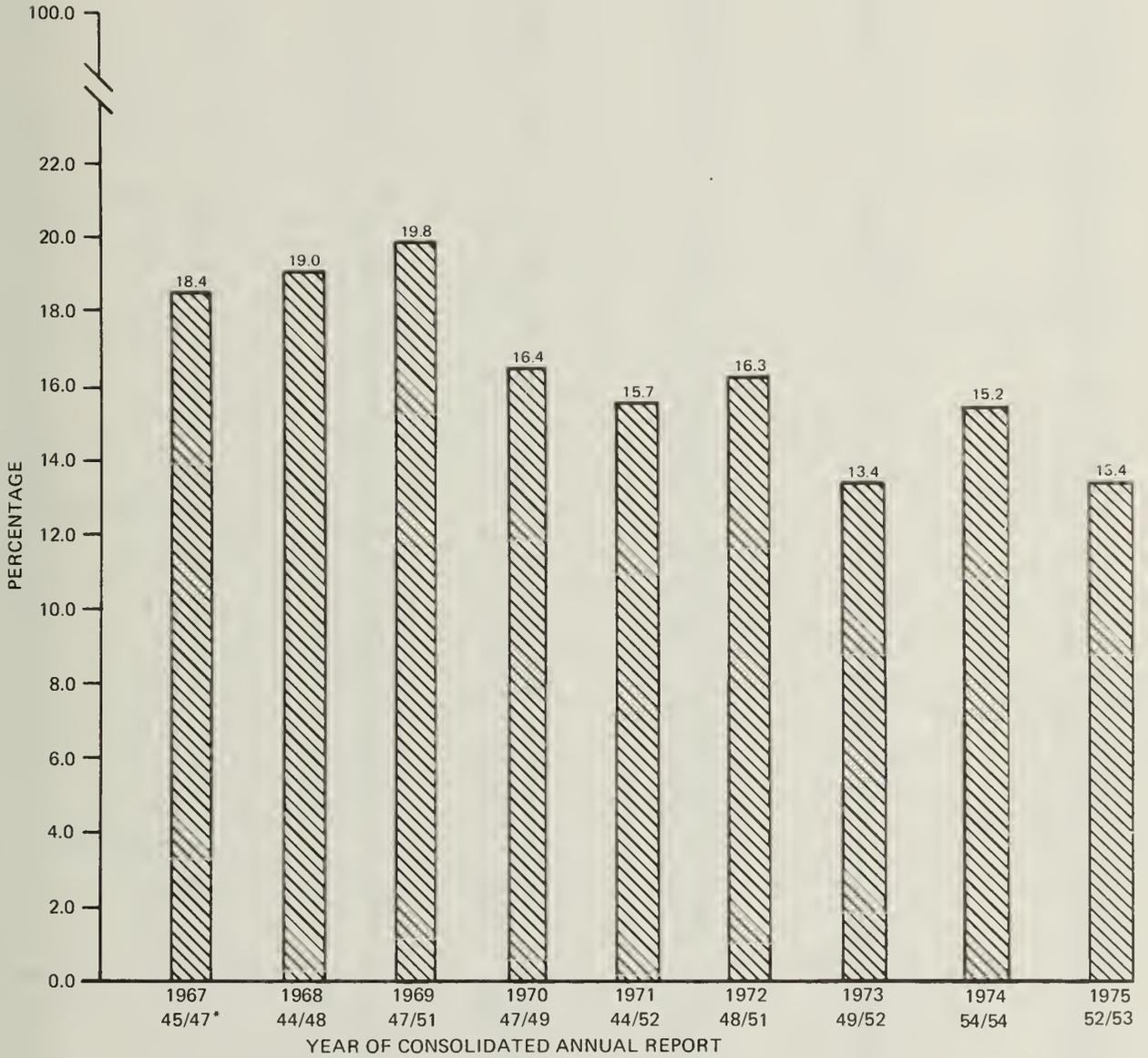
PERSONNEL

Figure 3
POSITIONS AUTHORIZED FOR
STATE PUBLIC HEALTH LABORATORIES



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

Figure 4
PERCENTAGE OF TURNOVER
IN ALL POSITIONS



*45/47 * INDICATES 45 LABS REPORTING THIS TYPE DATA OUT OF 47 LABS REPORTING

TABLE 4-1. LABORATORY STAFFING

	Total Budgeted Positions	Management Positions (a)	Clerical Positions (b)	Professional and Technical Positions (c)	Supportive Services Positions (d)	Maintenance Positions (e)
New England						
Me.	50	2	8	34	6	-
N.H.	21	1	4	14	2	-
Vt.	28	1	4	20	3	-
Mass.	262	17	45	75	100	25
R.I.	73	2	8	52	11	-
Conn.	231	18	37	142	33	1
Middle Atlantic						
N.Y.	823	12	111	525	87	88
N.J.	212	2	25	142	43	-
Pa.	*	*	*	*	*	*
East North Central						
Ohio	196	4	25	115	39	13
Ind.	81	6	11	52	12	-
Ill.	141	11	23	78	29	-
Mich.	443	16	36	246	86	59
Wisc.	160	16	25	93	26	-
West North Central						
Minn.	87	6	19	45	17	-
Ia.	104	10	13	62	19	-
Mo.	51	2	6	33	9	1
N.D.	35	3	5	23	3	1
S.D.	20	1 (f)	2	13	3½	½
Nebr.	29	3	4	20	2	-
Kans.	74½	2	11	44	16½	1
South Atlantic						
Del.	34	1	4	24	5	-
Md.	272	3	34	192	34	9
D.C.	57	2	6	46	3	-
Va.	299	14	39	216	30	-
W.Va.	55	3	9	32	7	4
N.C.	130	9	17	80	23	1
S.C.	127	8	14	93	11	1
Ga.	151	9	24	80	37	1
Fla.	232	11	30	147	42	2
East South Central						
Ky.	73	7	7	34	24	1
Tenn.	148	12	21	78	35	2
Ala.	185	3	26	105	44	7
Miss.	51	1	9	33	8	-
West South Central						
Ark.	51	2	8	32	8	1
La.	145	8	37	69	31	-
Okla.	56½	2	6	37	11½	-
Tex.	172	12	21	107	32	-
Mountain						
Mont.	31 (g)	3	4	17	7	-
Ida.	71	2	11	52	2	4
Wyo.	12	1	2	7	2	-
Colo.	82	3	5	50	24	-
N.M.	66	7	7	34	17	1
Ariz.	60	4	8	40	7	1
Utah	58	3	8	40	7	-
Nev.	26	1	3	15	6	1
Pacific						
Wash.	86	9	20	44	12	1
Ore.	54½	3	11	36½	4	-
Cal.	330	22	52	200	56	-
Alaska	32	4	9	12	7	-
Hawaii	50	1	4	32	13	-
Guam	14	1	1	11	1	-
P.R.	137	2	18	81	19	17
V.I.	11	1	1	8	1	-

TABLE 4-2. PERSONNEL DISTRIBUTION

	PERCENT OF TOTAL				
	Management	Clerical	Professional	Supportive	Maintenance
	Positions	Positions	and Technical	Services	Positions
	%	%	Positions	Positions	Positions
			%	%	%
New England					
Me.	4.0	16.0	68.0	12.0	-
N.H.	4.8	19.0	66.7	9.5	-
Vt.	3.6	14.3	71.4	10.7	-
Mass.	6.5	17.2	28.6	38.2	9.5
R. I.	2.7	11.0	71.2	15.1	-
Conn.	7.8	16.0	61.5	14.3	0.4
Middle Atlantic					
N.Y.	1.4	13.5	63.8	10.6	10.7
N.J.	0.9	11.8	67.0	20.3	-
Pa.	*	*	*	*	*
East North Central					
Ohio	2.0	12.8	58.7	19.9	6.6
Ind.	7.4	13.6	64.2	14.8	-
Ill.	7.8	16.3	55.3	20.6	-
Mich.	3.6	8.2	55.5	19.4	13.3
Wisc.	10.0	15.6	58.1	16.3	-
West North Central					
Minn.	6.9	21.9	51.7	19.5	-
Ia.	9.6	12.5	59.6	18.3	-
Mo.	3.9	11.8	64.7	17.6	2.0
N.D.	8.6	14.3	65.7	8.6	2.8
S.D.	5.0	10.0	65.0	17.5	2.5
Nebr.	10.3	13.8	69.0	6.9	-
Kans.	2.7	14.8	59.1	22.1	1.3
South Atlantic					
Del.	2.9	11.8	70.6	14.7	-
Md.	1.1	12.5	70.6	12.5	3.3
D.C.	3.5	10.5	80.7	5.3	-
Va.	4.7	13.1	72.2	10.0	-
W.Va.	5.4	16.4	58.2	12.7	7.3
N.C.	6.9	13.1	61.5	17.7	0.8
S.C.	6.3	11.0	73.2	8.7	0.8
Ga.	5.9	15.9	53.0	24.5	0.7
Fla.	4.7	12.9	63.4	18.1	0.9
East South Central					
Ky.	9.6	9.6	46.6	32.9	1.3
Tenn.	8.1	14.2	52.7	23.6	1.4
Ala.	1.6	14.0	56.8	23.8	3.8
Miss.	2.0	17.6	64.7	15.7	-
West South Central					
Ark.	3.9	15.7	62.7	15.7	2.0
La.	5.5	25.5	47.6	21.4	-
Okla.	3.5	10.6	65.5	20.4	-
Tex.	7.0	12.2	62.2	18.6	-
Mountain					
Mont.	9.7	12.9	54.8	22.6	-
Ida.	2.8	15.5	73.3	2.8	5.6
Wyo.	8.3	16.7	58.3	16.7	-
Colo.	3.6	6.1	61.0	29.3	-
N.M.	10.6	10.6	51.5	25.8	1.5
Ariz.	6.7	13.3	66.7	11.7	1.6
Utah	5.2	13.8	68.9	12.1	-
Nev.	3.8	11.5	57.7	23.1	3.9
Pacific					
Wash.	10.5	23.2	51.2	13.9	1.2
Ore.	5.5	20.3	66.8	7.4	-
Cal.	6.7	15.7	60.6	17.0	-
Alaska	12.5	28.1	37.5	21.9	-
Hawaii	2.0	8.0	64.0	26.0	-
Guam	7.2	7.1	78.6	7.1	-
P.R.	1.5	13.1	59.1	13.9	12.4
V.I.	9.1	9.1	72.7	9.1	-

TABLE 4-3. NEW POSITIONS ESTABLISHED DURING REPORTING PERIOD

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total No. of New Positions
New England						
Mass.	-	1	2	5	1	9
Conn.	1	2	12	-	-	15
Middle Atlantic						
N.Y.	-	1	20	-	2	23
N.J.	-	2	7	3	-	12
East North Central						
Ohio	-	1	3	-	-	4
Ill.	3	1	9	-	-	13
Mich.	-	3	13	-	15	31
West North Central						
Ia.	1	-	-	1	-	2
N.D.	1	1	7	-	-	9
S.D.	-	-	1	-	-	1
Nebr.	-	-	2	-	-	2
Kans.	1	-	-	-	-	1
South Atlantic						
Del.	-	1	1	-	-	2
Md.	-	-	-	-	1	1
Va.	-	1	10	1	-	12
N.C.	-	-	1	-	-	1
S.C.	-	1	4	-	-	5
Fla.	-	1	14	-	-	15
East South Central						
Ky.	-	-	3	3	-	6
Tenn.	-	-	1	-	-	1
Ala.	-	1	3	-	1	5
Miss.	-	-	1	-	-	1
West South Central						
Ark.	1	-	-	-	-	1
Okla	-	-	1	-	-	1
Mountain						
Mont.	-	-	1	1	-	2
Ida.	-	3	6	-	-	9
Colo.	-	-	2	-	-	2
Ariz.	-	1	-	1	-	2
Pacific						
Wash.	-	-	1	-	-	1
Ore.	-	-	1	-	-	1
Cal.	3	12	26	-	-	41
Alaska	-	4	1	1	-	6
Guam	1	-	-	-	-	1

TABLE 4-4. POSITIONS ABOLISHED DURING REPORTING PERIOD

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total No. of Positions Abolished
New England						
Vt.	-	-	1	-	-	1
Mass.	-	-	-	2	-	2
Conn.	-	1	8	-	-	9
Middle Atlantic						
N.Y.	-	-	-	3	-	3
N.J.	-	1	4	2	-	7
East North Central						
Ohio	-	1	5	3	1	10
Ill.	1	1	7	3	-	12
Mich.	-	1	8	1	-	10
West North Central						
Ia.	-	-	1	-	-	1
South Atlantic						
Del.	-	1	-	-	-	1
Md.	-	-	2	5 (h)	-	7
D.C.	-	-	10	-	-	10
Va.	-	1	1	-	-	2
W.Va.	1	-	1	-	-	2
S.C.	-	-	8	-	-	8
Ga.	-	1	1	-	-	2
Fla.	-	-	1	-	-	1
West South Central						
Ark.	-	1	1	-	-	2
Okla.	-	1	1	1	-	3
Tex.	-	-	13	2	-	15
Mountain						
Mont.	-	-	1	-	-	1
Colo.	-	-	-	1	-	1
Ariz.	-	-	2	-	-	2
Pacific						
Cal.	-	-	-	3	-	3
Guam	1	-	-	-	-	1

TABLE 4-5. TOTAL NUMBER OF EMPLOYEES HIRED DURING YEAR

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total Hired
New England						
Me.	-	-	1	-	-	1
N.H.	-	1	-	1	-	2
Vt.	-	-	2	1	-	3
Mass.	-	12	6	28	18	64
R.I.	-	-	2	1	-	3
Conn.	-	5	24	1	-	30
Middle Atlantic						
N.Y.	4	27	76	11	15	133
N.J.	-	2	9	1	-	12
Pa.	*	*	*	*	*	*
East North Central						
Ohio	-	4	14	10	1	29
Ind.	-	2	1	1	-	4
Ill.	1	1	13	4	-	19
Mich.	1	6	18	14	20	59
Wisc.	2	3	11	3	-	19
West North Central						
Minn.	-	4	5	3	-	12
Ia.	1	6	7	13	-	27
Mo.	-	-	3	3	-	6
N.D.	1	2	11	-	-	14
S.D.	-	-	1	-	-	1
Nebr.	1	1	5	1	-	8
Kans.	-	1	1	-	-	2
South Atlantic						
Del.	-	3	3	-	-	6
Md.	-	8	17	3	2	30
D.C.	-	1	3	-	-	4
Va.	-	7	30	3	-	40
W.Va.	-	1	5	1	1	8
N.C.	-	2	18	3	-	23
S.C.	-	1	15	1	-	17
Ga.	-	6	8	1	-	15
Fla.	1	11	22	8	-	42
East South Central						
Ky.	-	1	6	8	-	15
Tenn.	-	-	7	5	1	13
Ala.	-	4	8	3	4	19
Miss.	-	4	4	1	-	9
West South Central						
Ark.	-	4	8	6	-	18
La.	-	5	9	5	-	19
Okla.	-	2	2	1	-	5
Tex.	-	4	25	16	-	45
Mountain						
Mont.	-	1	1	1	-	3
Ida.	-	3	10	-	1	14
Wyo.	-	-	-	-	-	-
Colo.	-	2	9	10	-	21
N.M.	-	2	5	2	-	9
Ariz.	*	*	*	*	*	*
Utah	-	-	5	2	-	7
Nev.	-	-	-	-	-	-
Pacific						
Wash.	1	4	3	2	-	10
Ore.	-	7	7	2	-	16
Cal.	-	-	18	12	-	30
Alaska	-	7	1	4	-	12
Hawaii	-	-	-	2	-	2
Guam	1	-	1	-	-	2
P.R.	-	-	2	-	-	2
V.I.	-	-	-	-	-	-
TOTALS						
	14	167	462	198	63	904

TABLE 4-6. RESIGNATIONS AND SEPARATIONS DURING REPORTING PERIOD

	Management	Clerical	Professional and Technical	Supportive Services	Maintenance	Total Resignations and Separations
New England						
Me.	-	1	-	-	-	1
N.H.	-	1	-	1	-	2
Vt.	-	-	5	2	-	7
Mass.	-	12	8	18	16	54
R.I.	-	1	2	1	-	4
Conn.	-	3	15	1	-	19
Middle Atlantic						
N.Y.	2	24	65	13	16	120
N.J.	-	-	3	2	-	5
Pa.	*	*	*	*	*	*
East North Central						
Ohio	1	3	12	9	3	28
Ind.	-	3	1	1	-	5
Ill.	3	2	9	3	-	17
Mich.	-	5	23	12	12	52
Wisc.	2	3	12	2	-	19
West North Central						
Minn.	-	4	6	3	-	13
Ia.	1	4	6	8	-	19
Mo.	-	-	3	3	-	6
N.D.	-	1	8	-	-	9
S.D.	-	-	1	-	-	1
Nebr.	1	1	3	1	-	6
Kans.	-	3	5	1½	1	10½
South Atlantic						
Del.	-	3	6	-	-	9
Md.	-	7	18	3	2	30
D.C.	-	1	6	-	-	7
Va.	-	6	22	1	-	29
W.Va.	1	1	4	1	1	8
N.C.	-	3	13	2	-	18
S.C.	1	1	8	-	-	10
Ga.	2	6	7	1	-	16
Fla.	1	6	16	4	-	27
East South Central						
Ky.	-	1	2	6	-	9
Tenn.	1	1	6	1	1	10
Ala.	-	3	5	3	3	14
Miss.	-	4	6	1	-	11
West South Central						
Ark.	-	5	9	4	-	18
La.	2	5	12	5	-	24
Okla.	-	4	1	1	-	6
Tex.	-	7	32	19	-	58
Mountain						
Mont.	-	1	1	1	-	3
Ida.	-	-	6	-	1	7
Wyo.	-	-	-	-	-	-
Colo.	-	2	7	14	-	23
N.M.	-	2	6	2	-	10
Ariz.	*	*	*	*	*	*
Utah	-	-	6	2	-	8
Nev.	-	-	-	-	-	-
Pacific						
Wash.	-	4	5	4	-	13
Ore.	-	7	7	2	-	16
Cal.	-	-	2	6	-	8
Alaska	-	3	-	3	-	6
Hawaii	-	-	2	2	-	4
Guam	1	-	-	-	-	1
P.R.	-	-	9	2	1	12
V.I.	-	-	-	-	-	-
TOTALS						
	19	154	411	171½	57	812½

TABLE 4-7. NUMBER OF POSITIONS FILLED AS OF CLOSING DATE OF PERIOD COVERED BY REPORT

	(Number of Vacancies in Parentheses)					Total Filled Positions	Percent Budgeted Positions Filled
	Management	Clerical	Professional and Technical	Supportive Services	Maintenance		
New England							
Me.	2	8	34	5 (1)	-	49 (1)	98.0
N.H.	1	4	14	2	-	21	100.0
Vt.	1	4	19 (1)	3	-	27 (1)	96.4
Mass.	16 (1)	34 (11)	59 (16)	84 (16)	23 (2)	216 (46)	82.4
R.I.	2	7 (1)	50 (2)	11	-	70 (3)	95.9
Conn.	18	36 (1)	137 (5)	31 (2)	1	223 (8)	96.5
Middle Atlantic							
N.Y.	12	106 (5)	479 (46)	86 (1)	88	771 (52)	93.7
N.J.	2	25	137 (5)	42 (1)	-	206 (6)	97.2
Pa.	*	*	*	*	*	*	*
East North Central							
Ohio	3 (1)	24 (1)	108 (7)	38 (1)	13	186 (10)	94.9
Ind.	6	10 (1)	51 (1)	12	-	79 (2)	97.5
Ill.	11	21 (2)	76 (2)	28 (1)	-	136 (5)	96.5
Mich.	16	31 (5)	227 (19)	84 (2)	54 (5)	412 (31)	93.0
Wisc.	16	24 (1)	85 (8)	26	-	151 (9)	94.4
West North Central							
Minn.	6	19	44 (1)	17	-	86 (1)	98.9
Ia.	9 (1)	13	61 (1)	19	-	102 (2)	98.1
Mo.	2	6	32 (1)	9	1	50 (1)	98.0
N.D.	3	5	23	3	1	35	100.0
S.D.	1	2	13	3½	½	20	100.0
Nebr.	2 (1)	4	20	2	-	28 (1)	96.6
Kans.	1 (1)	11	42 (2)	16½	- (1)	70½ (4)	94.6
South Atlantic							
Del.	1	4	22 (2)	5	-	32 (2)	94.1
Md.	3	34	186 (6)	34	9	266 (6)	97.8
D.C.	2	6	45 (1)	3	-	56 (1)	98.3
Va.	14	38 (1)	201 (15)	26 (4)	-	279 (20)	93.3
W.Va.	2 (1)	9	31 (1)	6 (1)	4	52 (3)	94.6
N.C.	9	17	80	23	1	130	100.0
S.C.	8	13 (1)	83 (10)	10 (1)	1	115 (12)	90.6
Ga.	8 (1)	22 (2)	77 (3)	37	1	145 (6)	96.0
Fla.	11	30	136 (11)	41 (1)	2	220 (12)	94.8
East South Central							
Ky.	7	7	33 (1)	21 (3)	1	69 (4)	94.5
Tenn.	9 (3)	21	76 (2)	35	2	143 (5)	96.6
Ala.	3	26	105	43 (1)	7	184	99.5
Miss.	1	8 (1)	30 (3)	8	-	47 (4)	92.2
West South Central							
Ark.	2	8	31 (1)	7 (1)	1	49 (2)	96.1
La.	7 (1)	37	66 (3)	30 (1)	-	140 (5)	96.6
Okla.	2	6	35 (2)	11½	-	54½ (2)	96.5
Tex.	12	20 (1)	95 (12)	31 (1)	-	158 (14)	91.9
Mountain							
Mont.	3	4	16 (1)	7	-	30 (1)	96.8
Ida.	2	11	51 (1)	2	4	70 (1)	98.6
Wyo.	1	2	7	2	-	12	100.0
Colo.	3	5	50	20 (4)	-	78 (4)	95.1
N.M.	7	7	33 (1)	17	1	65 (1)	98.5
Ariz.	4	8	39 (1)	7	1	59 (1)	98.3
Utah	3	8	39 (1)	7	-	57 (1)	98.3
Nev.	1	3	14 (1)	6	1	25 (1)	96.2
Pacific							
Wash.	8	18½	40	12	1	79½ (6½)	92.4
Ore.	3	8 (3)	33½ (3)	4	-	48½ (6)	88.9
Cal.	22	52	192 (8)	53 (3)	-	319 (11)	96.7
Alaska	4	9	12	7	-	32	100.0
Hawaii	1	4	30 (2)	13	-	48 (2)	96.0
Guam	1	1	10 (1)	1	-	13 (1)	92.9
P.R.	2	14 (4)	58 (23)	15 (4)	16 (1)	105 (32)	76.6
V.I.	1	1	6 (2)	1	-	9 (2)	81.8

TABLE 4-8. PERCENT TURNOVER IN ALL POSITIONS

	Total Filled Positions	Turnover		Percent Turnover	Average Percent Turnover by Region
		Resignations	Separations		
New England					14.4
Me.	49	1	-	2.0	
N.H.	21	1	1	9.5	
Vt.	27	3	4	25.9	
Mass.	216	54	-	25.0	
R.I.	70	4	-	5.7	
Conn.	223	16	3	8.5	
Middle Atlantic					12.8
N.Y.	771	83	37	15.6	
N.J.	206	4	1	2.4	
Pa.	*	*	*	*	
East North Central					12.6
Ohio	186	23	5	15.1	
Ind.	79	5	-	6.3	
Ill.	136	17	-	12.5	
Mich.	412	45	7	12.6	
Wisc.	151	19	-	12.6	
West North Central					16.5
Minn.	86	12	1	15.1	
Ia.	102	18	1	18.6	
Mo.	50	6	-	12.0	
N.D.	35	8	1	25.7	
S.D.	20	-	1	5.0	
Nebr.	28	4	2	21.4	
Kans.	70½	9½	1	14.9	
South Atlantic					11.9
Del.	32	4	5	28.1	
Md.	266	24	6	11.3	
D.C.	56	4	3	12.5	
Va.	279	29	-	10.4	
W.Va.	52	5	3	15.4	
N.C.	130	14	4	13.9	
S.C.	115	10	-	8.7	
Ga.	145	15	1	11.0	
Fla.	220	25	2	12.3	
East South Central					9.9
Ky.	69	9	-	13.0	
Tenn.	143	10	-	7.0	
Ala.	184	14	-	7.6	
Miss.	47	9	2	23.4	
West South Central					26.4
Ark.	49	17	1	36.7	
La.	140	23	1	17.1	
Okla.	54½	6	-	11.0	
Tex.	158	58	-	36.7	
Mountain					15.1
Mont.	30	3	-	10.0	
Ida.	70	7	-	10.0	
Wyo.	12	-	-	-	
Colo.	78	23	-	29.5	
N.M.	65	10	-	15.4	
Ariz.	59	*	*	*	
Utah	57	8	-	14.0	
Nev.	25	-	-	-	
Pacific					8.9
Wash.	79½	13	-	16.4	
Ore.	48½	16	-	33.2	
Cal.	319	6	2	2.5	
Alaska	32	6	-	18.8	
Hawaii	48	4	-	8.3	
Guam					10.2
Guam	13	1	-	7.7	
P.R.	105	7	5	11.4	
V.I.	9	-	-	-	
TOTALS	6,068.75 (i)	712.5	100.0		13.4

TABLE 4-9. PERCENT TURNOVER IN PROFESSIONAL AND TECHNICAL POSITIONS

	Professional and Technical Positions Filled	Turnover		Percent Turnover	Average Percent Turnover by Region
		Resignations	Separations		
New England					9.6
Me.	34	-	-	-	
N.H.	14	-	-	-	
Vt.	19	2	3	26.3	
Mass.	59	8	-	13.6	
R.I.	50	2	-	4.0	
Conn.	137	13	2	11.0	
Middle Atlantic					11.0
N.Y.	479	37	28	13.6	
N.J.	137	2	1	2.2	
Pa.	*	*	*	*	
East North Central					10.4
Ohio	108	9	3	11.1	
Ind.	51	1	-	2.0	
Ill.	76	9	-	11.8	
Mich.	227	20	3	10.1	
Wisc.	85	12	-	14.1	
West North Central					13.6
Minn.	44	6	-	13.6	
Ia.	61	6	-	9.8	
Mo.	32	3	-	9.4	
N.D.	23	7	1	34.8	
S.D.	13	-	1	7.7	
Nebr.	20	2	1	15.0	
Kans.	42	5	-	11.9	
South Atlantic					11.6
Del.	22	3	3	27.3	
Md.	186	16	2	9.7	
D.C.	45	3	3	13.3	
Va.	201	22	-	11.0	
W.Va.	31	3	1	12.9	
N.C.	80	10	3	16.3	
S.C.	83	8	-	9.6	
Ga.	77	7	-	9.1	
Fla.	136	14	2	11.8	
East South Central					7.8
Ky.	33	2	-	6.1	
Tenn.	76	6	-	7.9	
Ala.	105	5	-	4.8	
Miss.	30	5	1	20.0	
West South Central					23.8
Ark.	31	8	1	29.0	
La.	66	12	-	18.2	
Okla.	35	1	-	2.9	
Tex.	95	32	-	33.7	
Mountain					12.4
Mont.	16	1	-	6.3	
Ida.	51	6	-	11.8	
Wyo.	7	-	-	-	
Colo.	50	7	-	14.0	
N.M.	33	6	-	18.2	
Ariz.	39	*	*	*	
Utah	39	6	-	15.4	
Nev.	14	-	-	-	
Pacific					5.2
Wash.	40	5	-	12.5	
Ore.	33½	7	-	21.1	
Cal.	192	2	-	1.0	
Alaska	12	-	-	-	
Hawaii	30	2	-	6.7	
TOTALS	3634.25 (i)	350.0	61.0		11.3

SECTION IV. FOOTNOTES

- (a) Includes Laboratory Directors and Assistant Directors, and Business Managers and Management Officers who spend more than 50 percent of their time on administration and management of laboratory activities.
- (b) Includes Secretaries in the Office of the Director, office services staff, supply and procurement clerks, budget and fiscal clerks and others, other than those covered in supportive services and other categories.
- (c) Those primarily engaged in examining and testing specimens and samples including Laboratory Assistants and Laboratory Helpers who contribute directly to the performance of laboratory tests.
- (d) Includes personnel engaged in preparation of glassware, media, shipping containers, animal handling work, messengers, and supply personnel.
- (e) Includes those who install, repair, or perform preventive maintenance on equipment and maintenance of buildings including housekeeping.
- (f) Director is actually $\frac{1}{2}$ administrative and $\frac{1}{2}$ professional and technical.
- (g) In addition, the laboratory has an average of 5 work-study students from Carroll College at any one time.
- (h) Transferred to Central Support Services.
- (i) Does not include Pennsylvania and Arizona.

SECTION V

LABORATORY FIELD ACTIVITIES

TABLE 5-1. NUMBER OF FIELD INVESTIGATIONS, INSPECTIONS, OR CONSULTATIONS

	Investigations			Laboratory Inspections	Hospital Facility Inspections (Other Than Labs)	Court Appearances Or Other Legal Proceedings
	Water Pollution Control	Air Pollution Control	Occupational Health And Safety			
New England						
Me.	-	-	-	32	-	184
N.H.	-	-	-	5	2	-
Vt.	-	-	-	-	-	*
Mass.	8	-	6	449 (a)	-	700
R.I.	-	-	-	40	-	-
Conn.	-	-	-	412	-	-
Middle Atlantic						
N.Y.	-	-	-	1,325	44	2
N.J.	-	-	-	338	-	4
Pa.	*	*	*	*	*	*
East North Central						
Ohio	145	-	-	266	-	17
Ind.	-	-	-	50	-	-
Ill.	-	-	-	113	-	-
Mich.	-	-	-	387	59(b)	1,086
Wisc.	-	-	-	1,162	-	18
West North Central						
Minn.	-	-	-	200	-	-
Ia.	205	107	5	46	54	-
Mo.	-	-	-	221	-	35
N.D.	-	-	10	8	-	1
S.D.	*	*	*	*	*	*
Nebr.	-	-	-	4	-	156
Kans.	-	-	-	281	-	57
South Atlantic						
Del.	-	-	-	20	-	-
Md.	-	-	-	240	-	-
D.C.	-	-	-	60	-	*
Va.	-	-	-	6	-	-
W.Va.	-	-	-	76	-	-
N.C.	7	-	10	266	-	-
S.C.	-	-	-	-	-	-
Ga.	(c)	(c)	(c)	(c)	(c)	(c)
Fla.	-	-	-	404	-	1,056
East South Central						
Ky.	-	-	-	58	-	12
Tenn.	-	-	-	33	-	-
Ala.	-	-	-	-	-	-
Miss.	3	2	2	-	-	1
West South Central						
Ark.	-	-	-	*	-	-
La.	-	-	-	12	-	4
Okla.	*	*	*	*	*	*
Tex.	*	*	*	*	*	*
Mountain						
Mont.	2	23	-	(d)	(d)	37
Ida.	-	-	-	43	-	213
Wyo.	-	-	-	5	-	26
Colo.	*	*	*	*	*	*
N.M.	*	*	*	*	*	*
Ariz.	10	-	6	280	-	3
Utah	16	-	3	145	-	280
Nev.	-	-	-	150	-	-
Pacific						
Wash.	*	*	*	*	*	*
Ore.	23	-	1	243	-	-
Cal.	-	242	24	2,825	-	24
Alaska	3	-	4	20	-	-
Hawaii	5	15	-	21	1	-
Guam	-	-	-	-	-	-
P.R.	(e)	(e)	-	490	-	774
V.I.	*	*	*	*	*	*

TABLE 5-1. NUMBER OF FIELD INVESTIGATIONS, INSPECTIONS, OR CONSULTATIONS
(Continued)

	Consultation with:					Total Field Investigations, Inspections, or Consultations
	Professional Societies	Federal Agencies	State Agencies	County Agencies	City or Local Agencies	
New England						
Me.	4	1	1	-	-	222
N.H.	3	1	1	-	-	12
Vt.	*	-	-	-	-	*
Mass.	54	73	90	4	257	3,641(f)
R.I.	-	-	-	-	-	40
Conn.	26	2	15	-	2	457
Middle Atlantic						
N.Y.	2	2	-	-	-	1,375
N.J.	-	8	13	-	-	363
Pa.	*	*	*	*	*	*
East North Central						
Ohio	1	1	-	-	-	430
Ind.	-	-	-	-	-	50
Ill.	8	14	12	2	3	152
Mich.	*	*	*	*	*	*
Wisc.	-	24	10	8	18	1,240
West North Central						
Minn.	10	14	-	-	-	224
Ia.	66	21	105	9	32	683(g)
Mo.	51	29	46	9	13	404
N.D.	-	5	-	-	8	32
S.D.	*	*	*	*	*	*
Nebr.	*	*	*	*	*	*
Kans.	2	4	-	-	-	344
South Atlantic						
Del.	-	-	-	-	-	20
Md.	42	26	31	20	10	369
D.C.	-	-	-	-	-	*
Va.	-	-	-	-	-	6
W.Va.	-	-	-	-	-	76
N.C.	-	-	5	3	-	291
S.C.	-	6	4	-	-	10
Ga.	(c)	(c)	(c)	(c)	(c)	(c)
Fla.	*	*	*	*	*	*
East South Central						
Ky.	-	-	-	-	4	74
Tenn.	-	-	-	-	-	33
Ala.	-	-	-	-	-	-
Miss.	2	3	4	-	2	19
West South Central						
Ark.	-	-	-	-	-	*
La.	-	-	-	-	-	16
Okla.	*	*	*	*	*	*
Tex.	*	*	*	*	*	*
Mountain						
Mont.	4	2	5	1	-	74
Ida.	*	*	*	*	*	*
Wyo.	-	-	-	-	-	31
Colo.	*	*	*	*	*	*
N.M.	*	*	*	*	*	*
Ariz.	-	-	-	-	-	299
Utah	10	*	*	*	*	*
Nev.	-	-	-	-	-	150
Pacific						
Wash.	*	*	*	*	*	*
Ore.	-	-	-	-	-	267
Cal.	240	250	1,200	571(h)	(h)	5,386(i)
Alaska	3	6	20	-	-	56
Hawaii	5	2	100	4	-	153
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	1,264
V.I.	*	*	*	*	*	*

TABLE 5-2. NUMBER OF MAN-DAYS SPENT IN FIELD ACTIVITIES

	Investigations			Laboratory Inspections	Hospital Facility Inspections (Other Than Labs)	Court Appearances Or Other Legal Proceedings
	Water Pollution Control	Air Pollution Control	Occupational Health And Safety			
New England						
Me.	-	-	-	16	-	138
N.H.	-	-	-	10	1	-
Vt.	-	-	-	-	-	53
Mass.	10	-	10	364	-	1,500
R.I.	-	-	-	40	-	-
Conn.	-	-	-	120	-	-
Middle Atlantic						
N.Y.	-	-	-	909	11	21
N.J.	-	-	-	356	-	4
Pa.	*	*	*	*	*	*
East North Central						
Ohio	145	-	-	190	-	20
Ind.	-	-	-	149	-	-
Ill.	-	-	-	111	-	-
Mich.	-	-	-	259	31	*
Wisc.	-	-	-	1,287	-	18½
West North Central						
Minn.	-	-	-	75	-	-
Ia.	305	128	325	47	47	-
Mo.	-	-	-	180	-	30
N.D.	-	-	30	35	-	2
S.D.	*	*	*	*	*	*
Nebr.	-	-	-	4	-	191
Kans.	-	-	-	240	-	69
South Atlantic						
Del.	-	-	-	40	-	-
Md.	-	-	-	365	-	-
D.C.	-	-	-	*	-	*
Va.	-	-	-	30	-	-
W.Va.	-	-	-	70	-	-
N.C.	7	-	10	210	-	2
S.C.	-	-	-	-	-	-
Ga.	-	-	-	-	-	-
Fla.	-	-	-	*	-	188
East South Central						
Ky.	-	-	-	68	-	13
Tenn.	-	-	-	44½	-	-
Ala.	-	-	-	-	-	-
Miss.	2	1	1	-	-	1
West South Central						
Ark.	-	-	-	*	-	-
La.	-	-	-	12	-	*
Okla.	*	*	*	*	*	*
Tex.	*	*	*	*	*	*
Mountain						
Mont.	8	25½	-	-	-	54
Ida.	-	-	-	108	-	53½
Wyo.	-	-	-	8	-	30
Colo.	*	*	*	*	*	*
N.M.	*	*	*	*	*	*
Ariz.	15	-	6	280	-	3
Utah	8	-	4	155	-	114
Nev.	-	-	-	75	-	-
Pacific						
Wash.	*	*	*	*	*	*
Ore.	10	-	1	289	-	-
Cal.	-	1,000	18	1,982	-	31
Alaska	4	-	10	40	-	-
Hawaii	10	20	-	10	1	-
Guam	-	-	-	-	-	-
P.R.	-	-	-	*	-	774
V.I.	*	*	*	*	*	*

TABLE 5-2. NUMBER OF MAN-DAYS SPENT IN FIELD ACTIVITIES
(Continued)

	Consultation with:					Total Man-Days Spent in Field Activities
	Professional Societies	Federal Agencies	State Agencies	County Agencies	City or Local Agencies	
New England						
Me.	4	2	78	-	-	238
N.H.	2	1	3	-	-	17
Vt.	11	-	-	-	-	64
Mass.	70	92	108	8	151	5,438(f)
R.I.	-	-	-	-	-	40
Conn.	7½	3½	2½	-	½	134
Middle Atlantic						
N.Y.	5	23	-	-	-	969(j)
N.J.	-	51	13	-	-	424
Pa.	*	*	*	*	*	*
East North Central						
Ohio	1	2	-	-	-	358
Ind.	-	-	-	-	-	149
Ill.	21	57	8	6	4	207
Mich.	*	*	*	*	*	*
Wisc.	-	35	10	10	20	1,380½
West North Central						
Minn.	15	100	-	-	-	190
Ia.	207	66	112	10	30	1,463(g)
Mo.	71	15	21	9	7	333
N.D.	-	5	-	-	16	88
S.D.	*	*	*	*	*	*
Nebr.	*	*	*	*	*	*
Kans.	1½	4	-	-	-	314½
South Atlantic						
Del.	-	-	-	-	-	40
Md.	16	5	6	18	5	415
D.C.	-	-	-	-	-	*
Va.	-	-	-	-	-	30
W.Va.	-	-	-	-	-	70
N.C.	-	-	8	6	-	243
S.C.	-	10	3	-	-	13
Ga.	-	-	-	-	-	-
Fla.	*	*	*	*	*	*
East South Central						
Ky.	-	-	-	-	3	84
Tenn.	-	-	-	-	-	44½
Ala.	-	-	-	-	-	-
Miss.	1	1	1	-	1	9
West South Central						
Ark.	-	-	-	-	-	*
La.	-	-	-	-	-	*
Okla.	*	*	*	*	*	*
Tex.	*	*	*	*	*	*
Mountain						
Mont.	4	6	5	3	-	105½
Ida.	*	*	*	*	*	*
Wyo.	-	-	-	-	-	38
Colo.	*	*	*	*	*	*
N.M.	*	*	*	*	*	*
Ariz.	-	-	-	-	-	304
Utah	2	*	*	*	*	*
Nev.	-	-	-	-	-	75
Pacific						
Wash.	*	*	*	*	*	*
Ore.	-	-	-	-	-	300
Cal.	40	31	100	440(h)	(h)	3,903(i)
Alaska	2	12	30	-	-	98
Hawaii	10	10	160	5	-	226
Guam	-	-	-	-	-	-
P.R.	-	-	-	-	-	*
V.I.	*	*	*	*	*	*

SECTION V. FOOTNOTES

- (a) Includes consultative visits.
- (b) Blood bank facilities.
- (c) Handled by Laboratory Licensure and Development Program. Not under lab direction.
- (d) Handled by two laboratorians employed as "Inspectors" by the Hospital and Medical Facilities Division.
- (e) Water and Air Pollution Control Programs were transferred to Environmental Quality Board.
- (f) Includes housing inspections, 2,000 involving 3,125 man-days.
- (g) Includes Traveling Workshops, 13 (31 man-days); other X-ray surveys, 20 (155 man-days).
- (h) City or Local included with County as one total.
- (i) Includes water, 10 investigations; 261 man-days.
- (j) Figures involve 7 clinical laboratory investigators for permit years 7/1/74 - 6/30/75.

SECTION VI

MISCELLANEOUS INFORMATION

TABLE 6-1. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES (a)

	Lab Space Increased or Changed During FY 75	Net Gain in Space During FY 75	Planning for or Construction of New Lab Currently in Progress	If yes, current status of <u>Planning or Construction:</u> Anticipated. Definite need for space. Lab trying to establish needs. Architect has not been retained for planning.	
				Planning funds have been appropriated.	
New England					
Vt.	X	1,960 sq.ft.	-	-	-
R.I.	-	-	X	-	X
Middle Atlantic					
N.Y.	-	-	X	X	X
East North Central					
Mich.	-	-	X	-	X
West North Central					
Ia.	X	1,817 sq.ft.	X	X	-
Mo.	-	-	X	X	X
Kans.	-	-	X	-	-
South Atlantic					
Md.	X	60,000 sq.ft.	-	-	-
Va.	-	-	X	X	-
W.Va.	-	-	X	X	-
S.C.	-	-	X	-	-
Fla.	-	-	X	-	-
East South Central					
Ky.	X	1,740 sq.ft.	X	X	-
Tenn.	-	-	X	X	-
Ala.	-	-	X	-	X
Mountain					
Mont.	X	100 sq.ft.	-	-	-
Ida.	-(b)	-	-	X	-
Colo.	-	-	X	-	X
N.M.	-	-	X	-	-
Ariz.	-	-	X	-	-
Utah	X(c)	26,600 sq.ft.	-	-	-
Nev.	-	-	X	-	X
Pacific					
Ore.	-	-	X	-	-
Cal.	-	-	X	X	-
Alaska	X	1,000 sq.ft.	X(d)	-	X
Guam	-	-	X	-	-

TABLE 6-1. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES (a)
(Continued)

<u>Current Status of Planning or Construction:</u>						
Architect Has Been Selected	Planning by Architects and Engineers is in Progress	Construction Funds Have Been Appropriated	Planning by Architects and Engineers Essentially Complete	Project Has Been Advertised for Bids	Contractor Has Been Selected and Construction Began or Should Begin on or About:	
New England						
Vt.	-	-	-	-	-	
R.I.	X	X	X	-	-	
Middle Atlantic						
N.Y.	X	X	X	X	X	1963
East North Central						
Mich.	-	-	-	X	-	-
West North Central						
Ia.	-	-	-	-	-	-
Mo.	X	X	X	X	X	-
Kans.	-	-	-	-	-	-
South Atlantic						
Md.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
W.Va.	-	-	-	-	-	-
S.C.	-	-	X	X	-	-
Fla.	-	-	-	-	-	8/74
East South Central						
Ky.	-	-	-	-	-	-
Tenn.	-	X	-	-	-	-
Ala.	X	-	X	-	-	-
Mountain						
Mont.	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Colo.	X	-	X	-	-	7/1/75
N.M.	-	-	-	-	-	-
Ariz.	-	-	-	-	-	3/75
Utah	-	-	-	-	-	-
Nev.	X	X	X	X	-	-
Pacific						
Ore.	X	X	-	X	-	-
Cal.	-	-	-	-	-	-
Alaska	X	X	X	-	X	-
Guam	-	-	X	X	-	-

TABLE 6-1. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES (a)
(Continued)

	<u>Current Status:</u> Estimated Date of Completion of Construction	Estimated Costs for Construction of Facilities	Estimated Gross Sq. Ft. to be Constructed (Sq. Ft.)	Estimated Net Space in Building (Sq. Ft.)
New England				
Vt.	-	\$ -	-	-
R.I.	-	5,250,000	60,000	35,000
Middle Atlantic				
N.Y.	6/77	48,000,000	488,000	242,000
East North Central				
Mich.	*	1,030,000	16,600	10,400
West North Central				
Ia.	-	-	-	-
Mo.	10/77	3,200,000	34,500	22,250
Kans.	12/75	925,000	-(e)	20,184
South Atlantic				
Md.	-	-	-	-
Va.	-	-	-	-
W.Va.	-	650,000	10,000	9,800
S.C.	5/77	6,000,000	80,000	52,000
Fla.	11/75	2,000,000	15,000	12,000
East South Central				
Ky.	-	-	-	-
Tenn.	-	716,760	13,032	8,709
Ala.	-	2,500,000	50,000	*
Mountain				
Mont.	-	-	-	-
Ida.	-	-	-	-
Colo.	6/76	378,000	6,800	5,700
N.M.	6/76	3,360,000	67,565	39,929
Ariz.	4/76	2,400,000	30,000	17,000
Utah	-	-	-	-
Nev.	1/77	800,000	9,600	9,200
Pacific				
Ore.	9/76	3,385,000	27,417(f)	21,251
Cal.	-	1,200,000	10,000	*
Alaska	11/75	90,000	3,700(d)	3,100
Guam	-	61,101	837	837

TABLE 6-1. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES (a)
(Continued)

	Lab to be a separate Building	Planned Building will:		If new construction is an expansion to existing labs, will substantial alterations be made to existing building?
		Replace Present Laboratory	Be in Addition to Present Lab	
New England				
Vt.	-	-	-	-
R.I.	X	X	-	-
Middle Atlantic				
N.Y.	X	X	-	-
East North Central				
Mich.	-	X(g)	-	X
West North Central				
Ia.	-	-	-	-
Mo.	X	X	-	-
Kans.	-	X	-	X
South Atlantic				
Md.	-	-	-	-
Va.	-	-	-	-
W.Va.	-	-	X	-
S.C.	X	X	-	-
Fla.	X	X	-	-
East South Central				
Ky.	-	-	-	-
Tenn.	-	X	-	-
Ala.	X	X	-	-
Mountain				
Mont.	-	-	-	-
Ida.	-	-	-	-
Colo.	-	-	X	X
N.M.	X	X	-	-
Ariz.	X	X	-	-
Utah	-	-	-	-
Nev.	X	X	-	-
Pacific				
Ore.	X	X	-	-
Cal.	-	-	X	X
Alaska	-	X	-	-
Guam	-	-	X	-

TABLE 6-2. CHANGES DURING THE REPORTING YEAR AFFECTING RELATIONSHIPS OF LABORATORY WITH OTHER UNITS OF GOVERNMENT (a)

New England Vt.	Health Dept. reorganization in process.
West North Central Mo.	Public Water Supply Program changed from Division of Health to Department of Natural Resources, and State lab is giving support through Inter-Departmental agreement.
Kans.	Division of Laboratories was renamed Office of Laboratories and Research, and answers directly to Secretary of Health and Environment.
South Atlantic S.C.	Water bacteriology, water chemistry, and shellfish water examinations transferred from Bureau of Laboratories to Bureau of Environmental Quality Control, which is also in Dept. of Health and Environmental Control.
West South Central La.	Governmental Ethics Commission.

TABLE 6-3. ENACTMENT OF NEW LABORATORY LICENSURE LAWS OR LABORATORY PERSONNEL LICENSURE LAWS (a)

	Effective Date of Law	Remarks
New England R.I.	5/16/75	Covers independent clinical labs.
Middle Atlantic N.J.	8/1/75	New law covers following labs and employees: independent clinical, hospital, group practice, doctors' office, local P.H., state P.H.; supervisors, technologists, technicians.
East North Central Ill.	1/1/76	Amendment to Clinical Laboratory Licensure Act to cover doctors' office labs.
South Atlantic Ga.	1975	The 1970 licensure law was amended in 1975: (1) to delete exemption for clinical laboratories operated solely for pre-marital tests; (2) to increase from two to three the number of laboratories which one licensed director can direct at any one time; and (3) to provide for acceptance by the State, on an alternate year basis, of certain national inspection programs when the laboratory has been found to have met all requirements on the previous year's inspection by state personnel.
Mountain Utah		The effective dates of rules and regulations range from 1969 to 1975 and cover: independent clinical labs, hospital labs, non-clinical labs, directors, supervisors, technologists and technicians. Laboratories seek certification voluntarily with two exceptions. Certification is mandatory for laboratories wishing to perform (1) premarital-prenatal STS and (2) PKU. Technologist qualification requirements must be met as a condition for laboratory certification.
Pacific Hawaii	2/12/75	New law covers following labs and employees: independent clinical, hospital, group practice, local P.H., state P.H., non-clinical, blood banks; directors, supervisors, technologists, technicians.
P.R.	11/20/75	New law covers following labs and employees: independent clinical, hospital, group practice, doctors' office, local P.H., state P.H., blood banks; directors, supervisors, technologists, technicians.

TABLE 6-4. SCREENING PROGRAMS (a)

List of Programs	
New England	
Me.	Rubella, Phenylketonuria (PKU), blood lead.
N.H.	PKU, diabetes.
Mass.	PKU, Maple Syrup Urine Disease (MSUD), homocystinuria, tyrosinosis, galactosemia, maternal PKU, galactokinase deficiency, argininosuccinic acidemia, hyperglycinemia and many other metabolic disorders; childhood lead poisoning prevention program.
R.I.	PKU, lead, sickle cell anemia, gonorrhea, VD.
Conn.	Tay-Sachs Disease, Cooley's anemia, sickle cell anemia, diabetes, PKU, galactosemia.
Middle Atlantic	
N.Y.	Venereal Diseases, PKU, branched chain ketonuria, adenosine deaminase, galactosemia, homocystinuria, histidinemia, homozygous, sickle cell disease.
N.J.	PKU.
East North Central	
Ohio	PKU, homocystinuria, galactosemia.
Ill.	Blood lead screening.
Wisc.	Multiphasic screening program; lead screening program.
West North Central	
Minn.	PKU, syphilis (AFTA) for late latent syphilis.
Ia.	PKU, childhood lead poisoning.
Mo.	PKU, sickle cell, rubella, diabetes.
N.D.	Mandatory PKU.
Nebr.	PKU, central blood lead screening.
Kans.	PKU.
South Atlantic	
Del.	PKU, gonorrhea, syphilis, sickle cell, rubella.
Md.	PKU, galactosemia, histidinemia, MSUD, methionine.
D.C.	Sickle cell anemia, lead, glucose/BUN, cholesterol, hemoglobinopathies, syphilis, GC; cervical cancer.
Va.	PKU, glucose, rubella, drug rehabilitation.
W.Va.	GC, PKU, cytology, sickle cell.
N.C.	PKU, blood lead, cervical cancer, sickle cell and related hemoglobinopathies, hypertension, chronic disease detection, diabetes.
S.C.	PKU, hemoglobinopathies, blood lead, gonorrhea, parasitology and multiphasic health.
Fla.	PKU, hemoglobinopathies, coronary heart multiphasic screening, lead poisoning.
East South Central	
Ky.	PKU, childhood lead poisoning.
Tenn.	PKU, hemoglobinopathy.
Ala.	PKU, abnormal Hgb.
West South Central	
Ark.	PKU, sickle cell, AFDC.
La.	PKU, sickle cell, GC, group A beta hemolytic streptococcus.
Okla.	PKU, blood chemistry (glucose, cholesterol), hemoglobinopathies, gonorrhea.
Tex.	PKU, Early Periodic Screening, Diagnosis and Treatment (EPSDT), diabetes, chronic disease.
Mountain	
Mont.	Contract with Oregon to screen newborn for phenylalanine, leucine, methionine, tyrosine, galactose, and thyroid deficiency (T4). Minor activity in EPSDT.
Ida.	PKU.
Colo.	PKU.
N.M.	PKU, blood lead.
Ariz.	Sickle cell.
Nev.	PKU.
Pacific	
Wash.	PKU, sickle cell.
Ore.	Homocystinuria, galactosemia, tyrosinemia, PKU, hypothyroidism, MSUD, toxoplasmosis, syphilis serology, rubella.
Alaska	PKU, rubella.

TABLE 6-5. CHARGES FOR LABORATORY SERVICES (a)

	Laboratory Services with a Fee	Charge per Unit
New England		
Me.	Water kit	\$ 2.00
	Public water supplies	Analysis cost charge
	Chemistry-Toxicology	10.00/hr.
	Toy stuffing analysis	5.00/hr.
Mass.	Certificate for laboratories approved by Laboratory Program (no fee for State, City or Municipal labs)	5.00/certificate
Conn.	Throat culture kits	0.35
	FA reagent (Group A strep.)	20.00/ml.
	VDRL antigen	3.00/5.0 ml.
East North Central		
Ind.	Private wells	4.50 ea.
	Public water (commercial)	10.00/yr.
	Premarital blood test	2.50 ea.
Wisc.	Rabies and water bacteriology	1.00 ea.
	Handling fee for all other tests (local units of government exempt)	1.50
West North Central		
Ia.	Total coliform - drinking water	2.00/sample
	Iron bacteria, iron, pH, hardness, or nitrate - drinking water	2.00/parameter
	Drug screening	2.50/urine specimen
	Effluent Quality Analysis Program	5.00/sample
	Milk, SPC	2.00/sample
	Various chemical and physical water quality parameters	Varies from \$5.00 - \$100.00/sample
Nebr.	Water bacteriology (private)	3.00/test
	Water chemistry (private)	2.00 to 15.00 (individual or routine set)
	Mailing containers	1.00/unit (4 to 10 items ea.)
	Drug screen urinalysis	1.80 (contract); 8.00(individual)
Kans.	Water bacteriology	2.00/sample
	Water chemistry	7.50/sample (partial analysis)
	Water chemistry	23.00/sample (complete analysis)
South Atlantic		
Va.	(Some fees charged for special services or contract work, but not for routine services.)	
W.Va.	Evaluation and certification of labora- tories participating in Medicaid	5,000.00 paid by W. Va. Dept. of Welfare
N.C.	Private water analysis	5.00/bacteriological
	Private water analysis	5.00/chemical analysis
	Sale of specimen collection (outfits and biologicals)	Varies with type
	Fees for examination of public water supplies	Sliding scale - \$15.00 - \$64.00, depending on gross sales of number served.
S.C.	STS	1.00
	RH Factor	2.00
	Febrile agglutination	3.00
	FTA-ABS	3.00
	Rubella	2.00
	Infectious Mono	3.00
	Toxoplasmosis	3.00
	Drug qualitative	3.00
	Drug quantitative	8.00
	Chromosome study	100.00

TABLE 6-5. CHARGES FOR LABORATORY SERVICES (a)
(Continued)

	Laboratory Services with a Fee	Charge per Unit
Fla.	Urine screening for dangerous drugs (if qualitative test for alcohol included)	\$ 2.00/specimen + .50/specimen
East South Central Ky.	Laboratory services for Occupational Health	By contract - Occupational Health Dept. of Natural Resources (Grant)
Miss.	Group A streptococci	1.00/specimen (other than Health Dept. clinics)
West South Central Ark.	Premarital serology certificate	1.00
Mountain Mont.	Water bacteriology (Total coliform)	4.00
	MPN	10.00
	Fecal streptococci	6.00
	Fecal coliform	6.00
	Six-dilution plate count - raw water	7.00
	Four-dilution plate count - drinking water	5.00
	Standard chemical - water	15.00
	Annual fee for testing public drinking water supplies	170.00 - 1200.00
	EPA standard chemical - water	70.00
	Individual chemicals	2.00
	Metals by Atomic Absorption Spectropho- tometry (AAS) (except As,Hg,Se)	8.00 (one component per sample) 3.00 (each add'l component)
	As, Hg, Se by AAS	10.00 (one component per sample) 5.00 (each add'l component)
	Organic solvents by GC	25.00 (one component per sample)
	Free silica	60.00 per batch of 5 or less samples
	Coal tar pitch volatiles (benzene soluble material)	40.00 per batch of 4 or less samples
	Sulfur analysis of coal samples	25.00 per sample
	Pesticide determination (quant. and qual.)	35.00 minimum
	Screening of urine for abused substances	6.00
	Determination of alcohol content of blood or urine	6.00
	Bacteriological analysis of samples of food	15.80
	Asbestos counting	35.00
	Infant screening for inborn errors of metabolism	4.00/specimen
Ida.		(Prices effective 7/1/75) Amounts based on: 1-10 tests/month 11-49 tests/month over 50 tests/month(lowest cost)
	<u>Water analyses:</u>	
	Purity tests (bacteriological quality)	3.00 - 5.00 ea.
	MPN (total coliform, fecal coliform or fecal strep.)	5.50 - 8.00 ea.
	BOD	5.50 - 8.00 ea.
	COD	3.50 - 5.50 ea.
	TOC	20.00
	<u>Complete chemical analysis</u>	
	Potable tests	90.00 ea. (1/month) 75.00 ea. (2 or more/month)
	Surface water	60.00 ea. (1/month) 50.00 ea. (2 or more/month)
	Waste samples	80.00 ea. (1/month) 65.00 ea. (2 or more/month)
	Non-point source samples	65.00 ea. (1/month) 55.00 ea. (2 or more/month)

TABLE 6-5. CHARGES FOR LABORATORY SERVICES (a)
(Continued)

	Laboratory Services with a Fee	Charge per Unit
	<u>Individual water chemistry tests</u>	\$ 3.50 - 4.50 ea.
	<u>Elemental Analyses by Atomic Absorption</u>	
	<u>Spectrophotometry</u>	3.50 - 4.50
	pH, color, turbidity, settleable solids	1.50 ea.
	Phenols	5.50
	Kjeldahl nitrogens	8.50
	Total phosphorus	8.50
	Pesticide residue analysis	60.00
	Rad health (gross alpha-beta)	7.50
	Surfactants	5.00
	Cyanide	7.50
	<u>Mercury</u> (tissue, urine, foods, etc.)	10.00
	<u>Lead</u> (tissue, urine, foods, etc.)	10.00
	<u>Miscellaneous tests</u>	
	Cholinesterase enzyme assay	10.00
	Urine drug screen	5.00
	Syphilis serology, rubella serology	4.00
	Cytogenetic analysis	30.00
	Analysis of food sample for salmonella	8.50
	Analysis of food sample for coliform	6.00
Ariz.		(Prices effective 1/1/74)
	Premarital syphilis serology	2.00 per specimen (no charge for prenatal specimens)
	Fungal serology	2.00 per specimen
	Toxoplasmosis (IHA)	2.00 per specimen
	Bacterial serology	2.00 per specimen
	Viral serology (CF or HI)	10.00 per specimen (or 2.00 per antigen if 4 or less)
	Rubella	2.00 per specimen
	Parasitology (intestinal or blood)	5.00
	Bacteriology culture (includes enteric, gonococcus, tuberculosis, anaerobic, throat, blood and spinal fluid)	5.00 per culture
	(Routine throat cultures for Streptococcus identification and grouping not available)	
	Mycology (microscopic and culture)	5.00
	Virology (isolation and ID)	10.00
	(Rabies - no charge)	
	Environmental Health:	
	<u>Water</u>	
	Total coliform	0.75
	Routine chemistry	22.00
	Individual chemistry	1.00
	<u>Milk</u>	
	Routine exams (SPC, coliform, etc.)	10.00
	Pesticide determination	10.00
Pacific Ore.	Metabolic disorders	1.50/specimen
	Water bacteriology on samples from U.S. Forest Service Ranger Stations	2.00/sample
Alaska	Chemical analysis of water for Federal agencies	35.00/routine complete; 3.00 - 10.00 per special test

TABLE 6-5. CHARGES FOR LABORATORY SERVICES (a)
(Continued)

	Estimate of Total Annual Receipts from Charges	Disposition of Funds
New England		
Me.	\$ 137,000	Private water receipts go in general revenue fund; Chemistry-toxicology receipts go in dedicated revenue fund.
Mass.	1,400	General funds of the Commonwealth.
Conn.	21,600	General fund.
East North Central		
Ind.	31,511	Indiana State general funds.
Wisc.	685,000	Salaries and supplies.
West North Central		
Ia.	359,905	Rebudgeted back into laboratory general expense operating account.
Nebr.	11,356	"Cash fund" dedicated to lab budget.
Kans.	86,471	General funds for use by laboratory.
South Atlantic		
W.Va.	5,000	Buy materials and equipment.
N.C.	202,041	State appropriation reduced by amount of estimated receipts; budget revised to utilize excess.
S.C.	156,153	Support laboratory activities.
Fla.	20,000	Partial payment of salaries and expenses for urine screening program.
East South Central		
Ky.	64,000	Personnel and laboratory operations.
Miss.	50,000	Salaries and supplies for laboratory.
West South Central		
Ark.	40,000	By law, used toward payment of building bonds.
Mountain		
Mont.	30,000	General fund for drinking water microbiology. Others are credited directly to the laboratory budget.
Ida.	79,000	Laboratory current expense category (receipts included in lab budget).
Ariz.	120,000	General fund - not used by laboratory.
Pacific		
Ore.	12,961	Miscellaneous receipts to support metabolic disease program; miscellaneous receipts.
Alaska	3,500	Returned to laboratory for reimbursement for supplies and materials.

TABLE 6-6. GRANTS, CONTRACTS, OR SPECIAL SERVICE AGREEMENTS
WITH OTHER DEPARTMENTS OR AGENCIES (PRIVATE, FEDERAL, STATE, OR LOCAL)

	Program (a)	Service	Man-years	Costs
New England				
Me.	Racing Commission	Horse racing toxicology	*	\$ *
	Dept. of Agriculture	Rabies testing to establish basis for indemnity for loss of domestic animals	*	*
	Medical Examiner	Toxicology	*	*
	Law Enforcement	Drug identification	*	*
	Dept. Highway Safety	Blood-breath alcohol	*	*
	Dept. Transportation Highways	Water Analyses	*	*
	Pesticide Board	Pesticide monitoring	*	*
	Dept. Forestry	Spruce budworm pesticide analyses	*	*
	Maternal & Child Health	Blood lead preschool screening	*	*
Vt.	VD Project	Gonorrhea culturing	1	8,700 + supplies + 7,000
Mass.	Metabolic Disorders	Screening	16	159,320
	Studies on mice	To develop a battery of assays to detect IEM in mice	3	60,000
R.I.	GC	Culture test	2	*
Conn.	Lead Poisoning	Analytical services	3	27,300
	Maternal and Child Health	Analytical services, PKU program	2	15,530
	Lead Poisoning	Typist II	1	5,970
	Occupational Health (OSHA)	Laboratory analyses of plant samples including asbestos, silica, solvents, leads, and other metals	1.4	20,000
	Air Pollution (DEP)	Analysis of all samples collected for DEP for air compliance and general monitoring. Particulate analysis, gas, instrumentation for SO ₂ , NO ₂ , SO ₄ , NO ₃ , solvents, metals, total hydrocarbons	5	100,000
	Solid Waste	Analytical Support	1	12,500
	Sickle Cell Anemia Screening	Screening for sickle cell and other related hemoglobinopathies	2	17,000
	Medicare Laboratory Certification	Survey of Medicare certified independent laboratories	3	36,000
	NIH Cancer Detection Program	Cytologic examination of cervical and vaginal specimens	4	30,000
Middle Atlantic				
N.J.	VD Project	HSM Grant	7	130,656
	SLEPA	-	3	33,291
	Hepatitis	FDA Grant	7	148,124
	Food Inspection Program	FDA Grant	-	1,456
	Community Narcotic Programs	HSM Grant	6	66,422
	Virology Lab. Service - Delaware	Virology exams	1	12,918
	Delaware River Basin Commission (Dept. of Env. Prot.)	-	3	20,000
	Dept. of Env. Protection	Water Pollution & Potable Water	-	239,000
	Dept. of Labor and Industry	Occupational Health and Safety Program	1	12,778
	Gonorrhea Study Project	HSM Grant	-	5,039
	Laboratory Lead Poison Program	Federal Grant	4	81,066

TABLE 6-6. GRANTS, CONTRACTS, OR SPECIAL SERVICE AGREEMENTS
WITH OTHER DEPARTMENTS OR AGENCIES (PRIVATE, FEDERAL, STATE, OR LOCAL)
(Continued)

	Program (a)	Service	Man-Years	Costs
East North Central				
Ohio	Childhood Lead (Federal)	Lead tests	3	\$ 78,000
	Ohio Env. Protection Agency	San. Chem. and Bacteriology	38	600,000
	Dept. of Industrial Relations	Occupational Health Chemistry	4	124,800
Ill.	Title XIX Medicaid - EPSDT	RPR-FTA, GC Cult., Blood Lead	1	12,000
	Childhood Poisoning Prevention	Blood Lead	4	70,000
	Substance Impairment	Blood Alcohol	1	15,000
Mich.	Biologic Products (Blood Derivatives)	Isolate clinically useful bovine factor VIII	4.7	74,645
	Biologic Products (Blood Derivatives)	Preparation & testing of albumin, IGG & IGM as by-products of preparation of C'esterase inhibitor	2.1	33,457
	Biologic Products (Blood Derivatives)	Preparation & clinical trials of intravenous gamma globulin	2.2	47,420
	Biologic Products	Produce Anthrax Vaccine for distribution to woolen manufacturers	1	9,761
	Biologic Products	Development of an improved method for inactivation of rabies virus	1	21,885
	Cancer Research	Testing of antibiotic beers & purified preparations by tissue culture assay	4	54,809
	Forensic Services	Establish regional crime laboratories	9.3	256,607
	Pesticides	Community studies of pesticides exposure	9.6	184,167
	Laboratory Diagnosis	Laboratory services to Kent County	3.1	48,583
	Laboratory Diagnosis	Study of actinomycetes & nutrients for Dept. of Natural Resources	0.9	14,724
	Laboratory Diagnosis	Venereal disease control	2.7	48,732
Wisc.	SST Eval.	Test new serum tube	1	32,800
	Hard-Soft Project	Test tubes for clinical chemistry	0.5	22,000
	Ref. Lab. Work	Lithium, Magnesium	0.2	600
West North Central				
Minn.	Univ. of Minn. Area Health Education Center Program	Continuing Education	2.5	28,964
Ia.	Drug Abuse Control	Urine screening for treatment facilities providing methadone therapy; analysis of "street drugs"	2	41,433
	Gonorrhea Culture Program	Provision of culture service to physicians to detect asymptomatic patients	1	28,428
	Buffalo Bill Watershed Study	Wasteload allocation study during periods of heavy runoff	2	35,200
	Industrial Hygiene	Provision of laboratory services to the Iowa Bureau of Labor	3	78,701
	Rubella Screening	Screening of prenatal sera for rubella-susceptible mothers	2.5	42,575

TABLE 6-6. GRANTS, CONTRACTS, OR SPECIAL SERVICE AGREEMENTS
WITH OTHER DEPARTMENTS OR AGENCIES (PRIVATE, FEDERAL, STATE, OR LOCAL)
(Continued)

	Program (a)	Service	Man-Years	Costs
	Air Quality	Provision of laboratory services for air quality monitoring to the Iowa Dept. of Environmental Quality	5	\$ 81,223
	Medicare	Surveys of hospital laboratories to insure compliance with Medicare standards	1.5	40,157
	Water Quality	Provision of laboratory services for water quality surveillance to the Iowa Dept. of Environmental Quality	5	98,339
	Childhood Blood Lead Poisoning Program	Statewide screening program for at-risk children between the ages of 1-6	4.5	78,260
Mo.	Food and Drug Adm.	Food surveillance	2	*
	Dept. Natural Resources	Examination of public water supplies	1	*
	State Milk Board	Testing milk samples	3	-
Nebr.	<u>Grants:</u>			
	HEW/PHS/Env. H.	Central blood lead screening laboratory	3	65,696
	DOT/Hiway Safety	Body fluid alcohol project	1	20,000
	State Drug Commission	Branch forensic lab	1	24,000
	<u>Contract:</u>			
	Full Circle Rehab	Urine drug screening	0.3	1,000
	<u>Agreement:</u>			
	Nebr. State Patrol	Forensic Chemists	2	20,000
South Atlantic				
Del.	New Jersey State Dept. of Health - Virology	Identification of viral, rickettsial diseases	*	15,000
	Rubella screening	Screen-premarital blood for presence or absence of rubella antibodies	1	18,000
	FDA - contract for filth analysis	Lab support to Environmental Health inspections of terminal restaurants, bakeries, bottling plants, watering points, etc. Also support state program originating from consumer complaint.	1	13,000
Md.	Lead Paint Poisoning (Federal & State funding)	Blood and urine	3	17,015
	Lead Paint Poisoning (Grant from Baltimore City)	Blood and urine	2	24,523
	Md. Occupational Safety and Health (Federal & State funding)	Lab. support	3	38,960
	Md. Air Quality Control Program	Lab. support	2	21,923 (Fed.) 139,875(State)
D.C.	VD Grant (GC)	Microbiology	4	-
	Lead	Toxicology	5	-
	Alcohol & Traffic - Safety	Toxicology	1	-
	Stroke Prevention	Clin. Chemistry	2	-

TABLE 6-6. GRANTS, CONTRACTS, OR SPECIAL SERVICE AGREEMENTS
WITH OTHER DEPARTMENTS OR AGENCIES (PRIVATE, FEDERAL, STATE, OR LOCAL)
(Continued)

	Program (a)	Service	Man-Years	Costs
Va.	FDA - Food Surveillance	Microbiological filth, heavy metals & pesticides	7.35	\$152,867
	USDA - Tobacco	Pesticide residue	0.5	10,881
	VPI, Tidewater Research Center	Peanuts for protein	0.4	792
	LLEA (Forensic)	Physical and drug evidence from Va. Law Enforcement Agencies	60	911,000
	HEW - Lead Poisoning Prevention	Blood lead and blood erythrocyte	1	37,850
N.C.	Hospital (Federal), Penal Institutions, Industrial Surveys, University Infirmaries, Military Infirmaries, Special Projects	Pap smear screening for the early detection of cervical cancer	*	*
	Health Maintenance Organization	All services	*	Charge is being made at rate determined in Relative Values but total cost un- known for this FY.
	N.C. Drug Authority	Serum hepatitis	0.1	3,000
	Facility Services Div.	Radiation	3.25	*
	N.C. Labor Dept.	OSHA	6.25	*
S.C.	COBRA	Sickle cell	0.25	10,000
	Pesticide	Analysis	4	50,691
Ga.	Child Health	Lab detection of lead poisoning	1.5	62,796
	Div. of Mental Health	Testing for abuse drugs	7	131,829
	Venereal Disease	Culture exam for <u>N. gonorrhoeae</u>	*	72,840
Fla.	VD Control (Federal)	Gonorrhea culturing, syphilis serology	18 positions	*
	VD Control (Federal)	Gonorrhea culturing of cases under treatment	7 positions	*
	Medicaid Screening (Federal)	Hemoglobinopathy testing, parasitology, PKU, etc.	3 positions	*
	LEAA (Federal)	Criminalistics (narcotics identification)	3 positions	*
	Laboratory Improvement (Federal Medicare)	Certification of indepen- dent and non-accredited hospital laboratories	4 positions	*
	Implied Consent (Federal - DOT)	Permitting of breath and blood alcohol technicians and chemists; certifica- tion of equipment	6 positions	*
	Food Sanitation (Federal)	Food testing associated with Interstate Travel Sanitation Program	-	Supplies only
	Waste Disposal Research - University of Florida (Federal)	Bacteriological testing of liquid digested sludge	-	Supplies only
	Drug Addiction Control (Federal, State, Local)	Urine screening for dangerous drugs	2 positions	*

TABLE 6-6. GRANTS, CONTRACTS, OR SPECIAL SERVICE AGREEMENTS
WITH OTHER DEPARTMENTS OR AGENCIES (PRIVATE, FEDERAL, STATE, OR LOCAL)
(Continued)

	Program (a)	Service	Man-Years	Costs
	Agreement with Medical Examiners Office, City of Jacksonville, Fla.	Toxicological and narcotics analyses for local law enforcement and Medical Examiner	1 position	\$ *
	Agreement with Fla. Dept. of Pollution Control & with Dade County Air & water Pollution Control Authority	Bacteriological examination of water samples submitted for coliform and fecal coliform tests	1 position	*
	Agreement with Fla. Dept. of Agriculture and Consumer Services	Tests for sanitary quality of dairy products submitted by inspectors	-	*
	Agreement with Fla. Dept. of Agric. Animal Disease Diagnostic Laboratory	Examination of animals for rabies and encephalitis viruses	-	*
	Florida Division of Retardation	Joint operation of state mental retardation hospital & public health laboratory	*	*
	Florida Division of Health Bureau of Tuberculosis Control	Joint operation of state TB hospital and public health laboratory	*	*
	Agreement with USPHS	Certification of water & milk testing laboratories	2 positions	*
East South Central				
Ky.	Occupational Health	*	*	64,000
	Childhood Lead Poisoning	*	*	39,800
Tenn.	OB-GYN Project: GC Screening Program	Cultures of cervix, rectum & throat from non-selected females for diagnosis of <u>N. gonorrhoeae</u> . Positive cultures, history & 25 ml serum from all patients submitted to CDC for study	0.42	4,124
Ala.	Lead	*	2 chemists; 1 secretary	85,000
Miss.	FDA	Food microbiology	0.5	8,000
	TB Hospital	Microbiology	1	10,000
	Mental Hospital	Microbiology	0.25	3,600
	Air & Water Pollution Control Comm.	Microbiology	0.5	7,000
Mountain				
Mont.	Dept. of Institutions	Screening of body fluids for abused substances.	0.5	8,500
	S.W.MT. Drug Prog. "Lighthouse" Addictive Diseases Unit	Identification of substances		
	Highway Safety (DOT)	Quality Control on Alco-Analyzers; Certification of Operators; Processing of SM-7 Sobermeters; Court appearances; information, education, and training	2.5	46,386
	Safety & Health Bureau, Dept. of Labor & Industry	Laboratory services for Occupational Health	0.25	1,250
	Lead-based paint Project (CDC)	Screening of children for levels of blood lead-establishing this competency in the State Laboratory	1	28,487
	Dept. of Natural Resources	Sulfur & Trace element analysis of coal samples	0.25	1,200

TABLE 6-6. GRANTS, CONTRACTS, OR SPECIAL SERVICE AGREEMENTS
WITH OTHER DEPARTMENTS OR AGENCIES (PRIVATE, FEDERAL, STATE, OR LOCAL)
(Continued)

	Program (a)	Service	Man-Years	Costs
Ida.	Regional Medical Program	Improvement of physician office labs	1	\$ 12,336
	Traffic Safety Commission	Lab support for alcohol program - testing of D.W.I. cases	3.5	64,394
	Alcohol Safety Action Program	Roadside surveys alcohol program	.13	10,000
	Law Enforcement Planning Commission	Additional support for Drug identification in Pocatello Forensic Lab	1	18,000
	USPHS Region 10	Childhood lead study	2	37,517
	Environmental Protection Agency	Epidemiological Studies - Effects of use of Pesticides	7.5	139,000
	U.S. Forest Service Idaho Dept. of Lands	Studies related to Tussock Moth infestation in Idaho (Service on fee-per-test basis)	2	15,000
	U.S. Forest Service, State of Idaho Dept. of Lands, Fish & Game, Transportation, Water Resources Board, Probation and Parole	Contractual agreements for services on cost-per-test basis	*	230,000 of Lab. budget based on funds for Stream & Air Pollution Control
Colo.	Alcohol Driving Countermeasures	All aspects of Implementation of Implied Consent Law Regulations re: Alcohol Testing. Includes certification of facilities, training, maintenance, court appearance, consultation	2	55,000
	NIDA-LEAA	Urine test for drugs	6	125
N.M.	EIA Lead Screen Program	Blood lead	1	38,799
Ariz.	Dairy Commissioner	Lab services in dairy microbiology and pesticides	5	75,000
	Industrial Commission - OSHA	Chemical services	2	25,000
Nev.	VD Control	GC culture	5	50,000
Pacific Wash.	Sickle Cell	Hemoglobinopathy testing	10	110,000
	Pesticide Study	Toxicology	18.5	300,000
Ore.	Metabolic Disorders	Screening of infants for State of Montana	1	8,961
	Metabolic Disorders	Through MCH of Crippled Children's Division (Federal Funds)	2.5	23,513
	Water Bacteriology	Testing of Forest Service specimens	0.21	4,000
	Laboratory Licensing	Inspection of Medicare Laboratories	2.5	31,946

TABLE 6-6. GRANTS, CONTRACTS, OR SPECIAL SERVICE AGREEMENTS
WITH OTHER DEPARTMENTS OR AGENCIES (PRIVATE, FEDERAL, STATE, OR LOCAL)
(Continued)

	Program (a)	Service	Man-Years	Costs
Cal.	CAL-OSHA	Laboratory Support Services	17.5	\$477,966
	Air Resources Board	Laboratory Support Services	16.5	404,836
	Environmental Protection Agency	Study of Wet Chemical and Instrumental Methods of Sulfate Determination in Atmospheric Aerosols	3	85,000
	CALTRANS	Instrument Calibration	1	25,000
	Air Resources Board	Validation of Size-Segregating Aerosol Sampling Technique in California	2	58,338
	Air Resources Board	Experimental determination of the number and size of Asbestos Fibers in Ambient Air	2	47,154
	Air Resources Board	Impact of motor vehicle exhaust catalysts on air quality	3	90,050
	Air Resources Board	Sulfate formation from stationary SO ₂ source in clean and polluted air	3	107,740
	Environmental Protection Agency	Investigation of particulate matter monitoring using contact electricity	1	22,870
	Environmental Protection Agency	Conference on methods in air pollution studies	1	39,645
	Dept. of Health, Education & Welfare	Establishment of centralized reference laboratory services for analysis of lead in blood	6	199,000
	Fogarty International Center, NIH	Carry out requirements of EPA grant for the investigation of particulate matter monitoring using contact electricity	1	13,100
	Environmental Protection Agency	Pesticide human effects monitoring	5	181,700
	Environmental Protection Agency - Food & Drug Adm. Food Sanitation	Laboratory services	1	20,000
	State Water Resources Control Board	Water laboratory approval	5	116,000
	Regional Water Quality Control Boards	Biological and chemical analytic support	2	55,000
	Vector Control Section, Hazardous Waste Management Study	Analytic services	1	25,000
	California Dept. of Transportation	Analytic services	1	23,000
	U.S. Forest Service) National Park Service) California Dept. of) Water Resources)	Analytic services	0.5	12,000
	Viral Reference Reagents - NIH Contract	Certification of Viral reference reagents	2	39,948
	Arbovirus Reference Reagents - NIH Contract	Preparation and standardization of selected arbovirus immune sera	2	66,060
	Microbiology Training Grant - NIH, National Institute of Allergy and Infectious Diseases (NIAID)	Provide postdoctoral training in public health microbiology. Two new Ph.D. fellows per year, for 2-year training each	1	50,568

TABLE 6-6. GRANTS, CONTRACTS, OR SPECIAL SERVICE AGREEMENTS
WITH OTHER DEPARTMENTS OR AGENCIES (PRIVATE, FEDERAL, STATE, OR LOCAL)
(Continued)

	Program (a)	Service	Man-Years	Costs
	Oncogenic Virus Studies - Research Contract, NIH National Cancer Institute	Conduct research on known or potential cancer viruses and their possible role in human cancer	10	\$245,818
	Immunology and Epidemi- ology of Viral Diseases - Research Grant, NIH, NIAID	Control research on diagnostic methods, proper- ties of viral agents, and their immunology and epidemiology	12	196,929
	Electron Microscopic Studies of Selected Viral Diseases - Research Grant, NIH, NIAID	Conduct research on develop- ment and application of electron microscopy for identification and characteri- zation of viruses	2	44,791
	Studies of Influenza and Other Viral Respiratory Diseases - Research Contract, U.S. Army, Medical Dept.	Conduct research and preven- tion of influenza, evaluation of vaccines and causative agents of respiratory infec- tions in military recruits	2	48,876
	Gonorrhea Control Project	Establish statewide laboratory capabilities to process gonorrhea specimens using cultural methods that will assure reliable and accurate results. Activities include: proficiency testing with simu- lated specimens, confirmation of isolates from diagnostic specimens, training, consulta- tion, and quality control checking of media, reagents and methodology	8.5	109,928
	Berkeley City Health Dept. Laboratory Services Contract (Local)	Provide laboratory services, chemical and microbiological examinations for: communi- cable diseases, sanitary quality of water, milk and dairy products	4	79,886
Alaska	Virology - Rabies Contract with CDC	Rabies surveillance	2	43,700
	Tuberculosis Control (Div. of Indian Health)	TB diagnostic	1.5	16,700
	Veneral Disease Control	GC culture services	3	32,000
Guam	TB Control	Culture	0.5	-

SECTION VI. FOOTNOTES

- (a) This table omits states having no information to report on this subject.
- (b) Information in table pertains to Central Laboratory only. Branch laboratory information: The 1974 legislature approved the transfer of \$89,000 which was previously approved for construction of a branch laboratory in Idaho Falls to Pocatello. This will be a part of a new local health department in that city. Final plans have been approved. There has been some delay in obtaining Federal approval (problem of lease of land). It is hoped that this will be put out on bid by December 1975. The laboratory will have about 2,170 square feet available.
- (c) Completed January 1975.
- (d) The Northern Regional Laboratory is moving from space in the Court House to the Arctic Health Research Center Building on the University of Alaska Campus in Fairbanks. Space is being remodeled and will result in an additional 1,000 square feet net space. Figures shown in Gross and Net Square Feet columns represent space to be occupied by the Laboratory, not entire building.
- (e) Construction consists of renovation of existing hospital structure (built in 1954) into laboratory space utilizing all of the third floor and approximately one-half of the second floor.
- (f) This figure represents portion assigned to the Laboratory. Gross square feet of building is 67,000.
- (g) Planned building will be an addition, but will replace existing space; new second story and 2-storied additional wing.

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