

**NOES QUESTIONNAIRE ITEM NO. 26
Required Exit Medical Examinations**

Intent

The intent of this question was to determine if the facility required medical examinations upon termination of employment, and if specific employee groups were affected by this policy.

This item was displayed on the questionnaire as:

Do you require medical
examinations of your
employees when their
employment is
terminated? (Exit
examination)

1 2 3 4 5

Notes

All examinations performed by or under the supervision of a physician which were required upon the termination of a worker's employment would be included as a positive response to this inquiry.

No voluntary examinations were accepted as a positive response.

Analysis

Three analyses of the responses to question 26 are presented.

- (1) Response 26.2, 26.4, or 26.5 - Exit examinations required for all, production or selected workers

The estimates of the plants which require exit examinations for all workers, production workers, or selected workers, and workers in those plants (by number and proportion of the totals) are displayed in Figures III-106 and III-107, and Tables III-89 and III-90.

Figure III-106	Exit exams required for all or selected workers (by major industrial group)
Figure III-107	Exit exams required for all or selected workers (by 2-digit SIC)
Table III-89	Number and percent of plants and employees in plants which require exit examinations for all or selected workers (by major industrial group)
Table III-90	Number and percent of plants and employees in plants which require exit examinations for all or selected workers (by 2-digit SIC)

(2) Response 26.1 or 26.3 - Exit examinations not required, or required for management only

The estimates of the plants which either do not require exit examinations, or require them for management personnel only, and the workers in those plants (by number and proportion of the totals) are displayed in Figures III-108 and III-109, and Tables III-91 and III-92.

Figure III-108 Exit exams not required or for management only
(by major industrial group)

Figure III-109 Exit exams not required or for management only
(by 2-digit SIC)

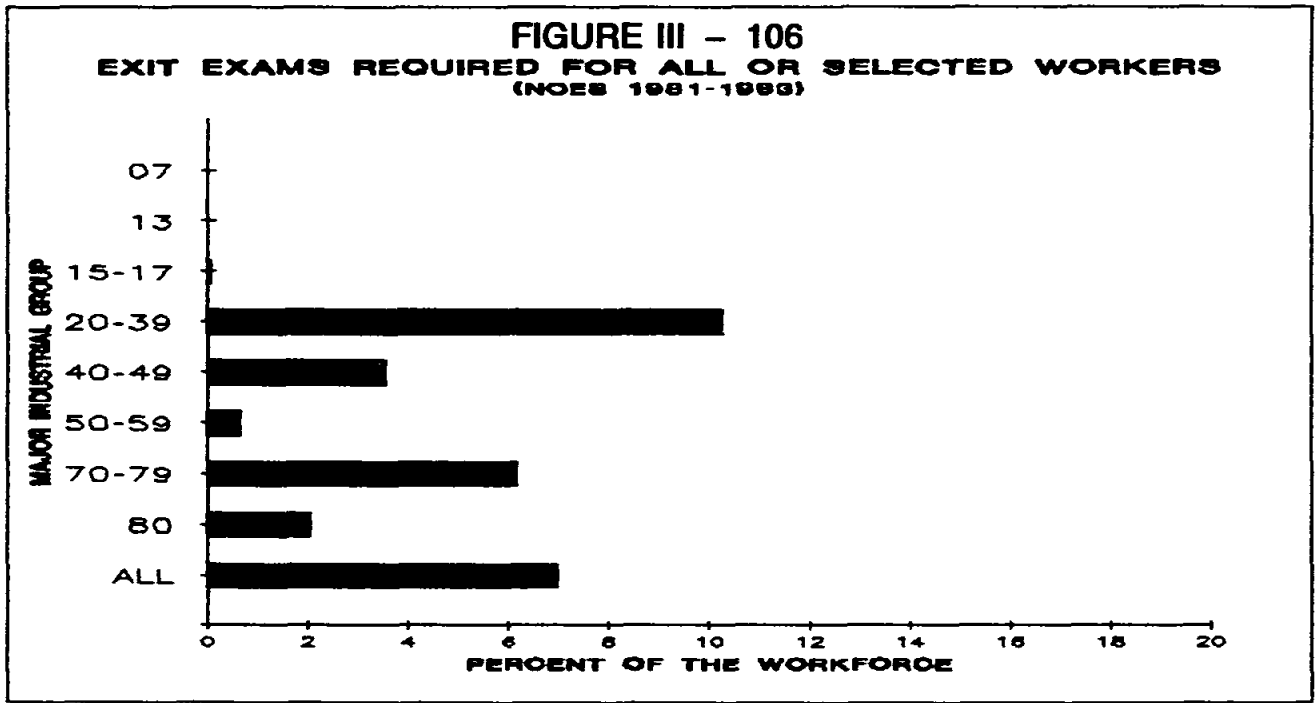
Table III-91 Number and percent of plants and employees in plants which do not require exit exams or examine management only (by major industrial group)

Table III-92 Number and percent of plants and employees in plants which do not require exit exams or examine management only (by 2-digit SIC)

(3) Response 26.1, 26.2, 26.3, 26.4, or 26.5 - Required exit medical examinations

The estimated proportions of plants and workers in those plants corresponding to each of the five possible responses to the exit examination inquiry are displayed in Figure III-110.

Figure III-110 Exit or termination examinations required



NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-89

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
REQUIRE EXIT EXAMINATIONS FOR ALL OR SELECTED WORKERS

MAJOR GROUP	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...
15-17	...	16* (14) .4%	...	16* (14) .0%	...	3106* (2726) .4%	...	3106* (2726) .1%
20-39	651* (285) .4%	834 (178) 2.6%	982 (174) 15.7%	2466 (360) 1.3%	31062* (11786) .7%	204019 (43454) 3.2%	1744700 (188194) 21.1%	1979781 (185541) 10.3%
40-49	828* (577) 1.6%	174* (99) 3.0%	28* (17) 5.9%	1029* (594) 1.7%	17757* (10720) 1.2%	31394* (18218) 2.7%	65551* (40321) 11.4%	114702* (48503) 3.6%
50-59	326* (267) .6%	...	...	326* (267) .5%	11151* (10458) 1.0%	...	...	11151* (10458) .7%
70-79	341* (262) .5%	241* (79) 10.3%	95* (105) 26.7%	676* (270) .9%	12598* (9800) .9%	53974* (18879) 11.6%	70594* (75295) 20.8%	137167* (77670) 6.2%
80	...	61* (48) 2.8%	8* (10) .4%	70* (51) 1.0%	...	19762* (14890) 3.7%	58645* (75838) 1.9%	78407* (79264) 2.1%
ALL	2145* (744) .5%	1325 (224) 2.7%	1112 (204) 11.8%	4582 (793) .9%	72568* (21430) .7%	312255 (52969) 3.2%	1939490 (220144) 15.6%	2324313 (221833) 7.0%

*Standard error >25% of the estimate. The estimate may be unreliable.
...No facilities observed.

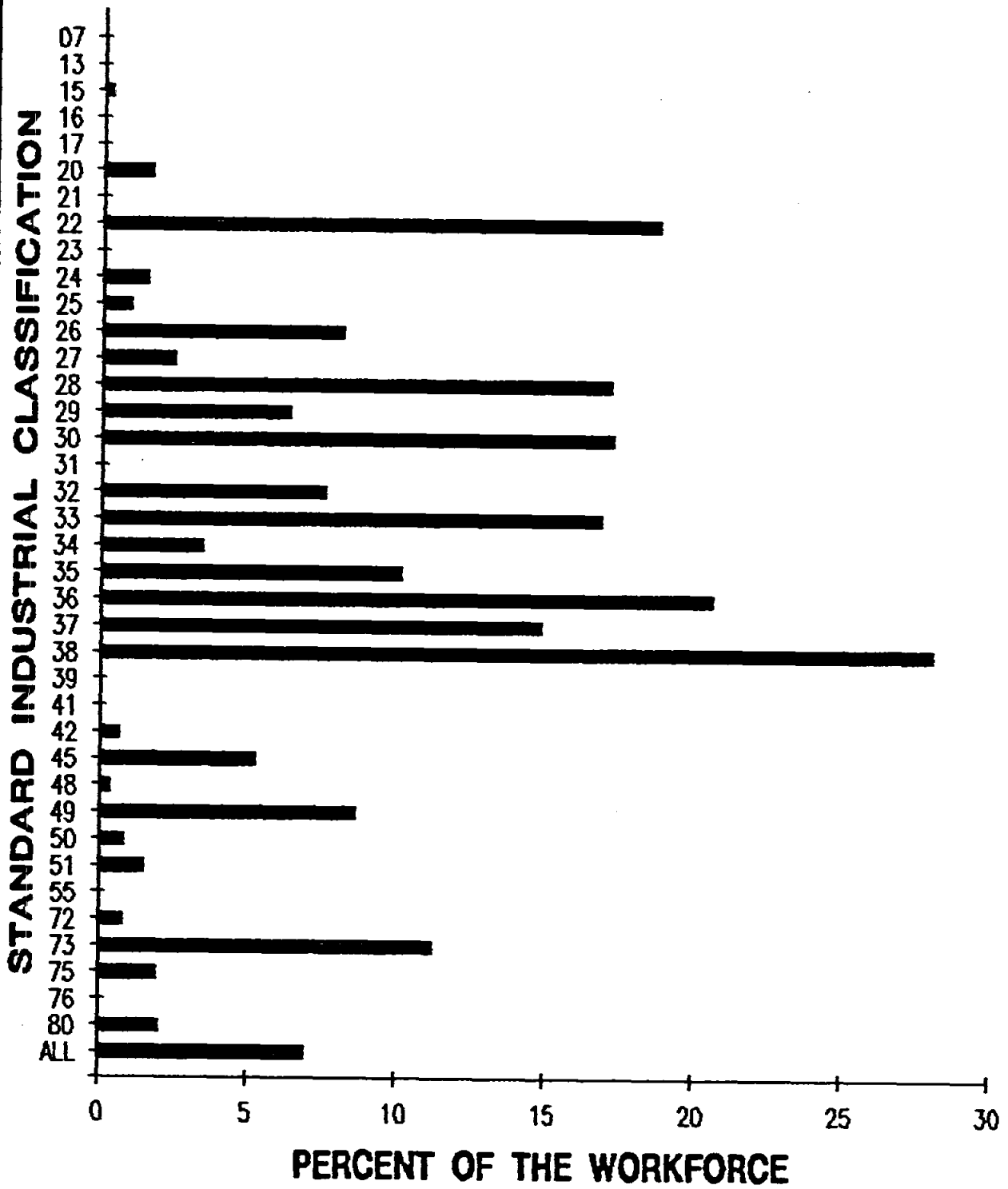
NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH REQUIRE EXIT EXAMINATIONS FOR ALL OR SELECTED WORKERS

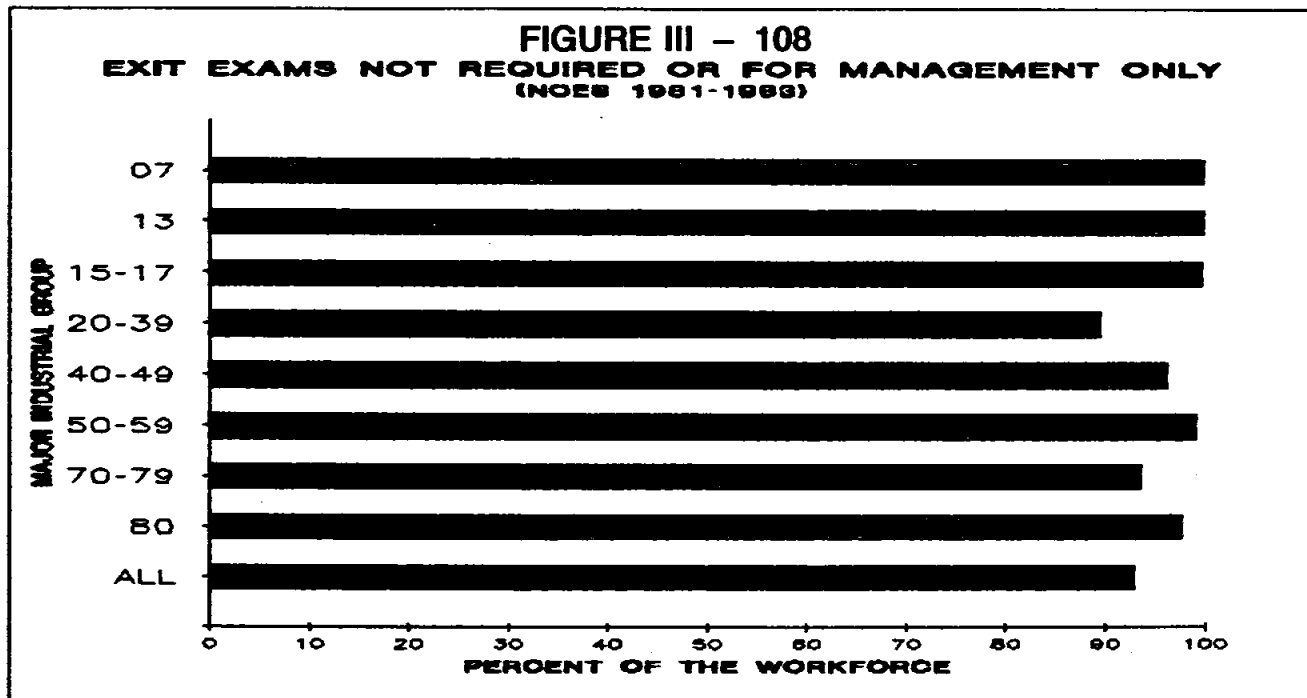
SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...
15	...	16* (14) 1.4%	...	16* (14) .1%	...	3106* (2726) 1.6%	...	3106* (2726) .3%
16	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...
20	149* (128) 1.3%	67* (65) 2.1%	...	216* (153) 1.4%	9576* (9816) 2.5%	16774* (16163) 2.5%	...	26349* (19779) 1.7%
21	...	...	...	...	...	...	...	...
22	...	196* (90) 12.3%	109* (71) 36.4%	304* (147) 6.3%	...	64739* (30568) 18.7%	69282* (46271) 26.5%	134022* (70685) 18.8%
23	...	...	...	...	...	...	...	...
24	...	66* (89) 5.7%	...	66* (89) .6%	...	9148* (12354) 5.0%	...	9148* (12354) 1.6%
25	...	15* (29) 1.4%	...	15* (29) .3%	...	4952* (9618) 1.9%	...	4952* (9618) 1.0%
26	89* (84) 2.2%	23* (26) 1.5%	11* (12) 5.3%	124* (90) 2.1%	8206* (7701) 6.0%	3077* (3427) 1.1%	40240* (42386) 19.5%	51522* (41613) 8.2%
27	...	...	27* (25) 8.5%	27* (25) .1%	...	...	29693* (19951) 8.6%	29693* (19951) 2.5%
28	78* (53) 1.3%	219* (59) 18.9%	83* (63) 21.8%	380* (112) 4.9%	5576* (3751) 3.1%	42386* (15768) 16.3%	109923* (74607) 23.1%	157884* (80071) 17.2%
29	...	...	7* (27) 6.9%	7* (27) .5%	...	...	14254* (55458) 12.1%	14254* (55458) 6.4%
30	...	...	106* (61) 47.5%	106* (61) 1.3%	...	...	130609* (67611) 55.9%	130609* (67611) 17.3%
31	...	...	...	...	...	...	...	...
32	38* (45) .4%	101* (81) 10.0%	30* (25) 16.1%	169* (100) 1.7%	3125* (3674) 1.3%	20380* (15710) 9.8%	20375* (17151) 15.8%	43880* (23439) 7.6%
33	...	54* (50) 3.7%	56* (18) 16.6%	110* (49) 1.9%	...	16990* (15341) 5.5%	164540* (52964) 26.5%	181531* (51379) 16.9%

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	296* (219) 1.6%	38* (27) 1.2%	63* (41) 18.1%	397* (229) 1.8%	4580* (3488) .8%	7231* (5918) 1.2%	41407* (26866) 11.8%	53218* (27659) 3.5%
35	...	52* (32) 1.5%	107* (46) 13.7%	160* (55) .6%	...	18125* (10507) 2.7%	225379* (69949) 20.3%	243504* (70568) 10.2%
36	...	...	125* (40) 15.9%	125* (40) 1.2%	...	...	406051* (133606) 34.3%	406051* (133606) 20.7%
37	...	...	63* (19) 15.1%	63* (19) 1.1%	...	...	279584 (63138) 18.5%	279584 (63138) 14.9%
38	...	2* (2) .2%	195* (99) 46.9%	197* (99) 4.8%	...	218* (241) .1%	213362* (120865) 46.3%	213580* (120875) 28.1%
39	...	...	...	...	...	...	...	...
41	...	...	...	...	...	...	...	...
42	152* (148) .8%	...	...	152* (148) .7%	5470* (5318) 1.1%	...	...	5470* (5318) .7%
45	...	...	7* (7) 4.7%	7* (7) .2%	...	...	24066* (25642) 9.1%	24066* (25642) 5.3%
48	77* (74) .5%	...	...	77* (74) .5%	2709* (2589) .6%	...	...	2709* (2589) .4%
49	...	174* (99) 9.3%	21* (16) 12.1%	194* (103) 1.9%	...	31394* (18218) 7.4%	41485* (31333) 28.3%	72879* (38917) 8.7%
50	104* (128) .3%	...	...	104* (128) .3%	7835* (9630) 1.2%	...	...	7835* (9630) .9%
51	221* (223) 2.4%	...	...	221* (223) 2.4%	3316* (3348) 1.8%	...	...	3316* (3348) 1.6%
55	...	...	...	...	...	...	...	...
72	...	39* (38) 5.8%	...	39* (38) .2%	...	4337* (4171) 5.3%	...	4337* (4171) .9%
73	114* (129) .7%	202* (87) 13.6%	95* (105) 27.7%	411* (184) 2.2%	4003* (4529) .9%	49637* (20336) 14.2%	70594* (75295) 21.5%	124235* (77275) 11.3%
75	226* (240) .9%	...	...	226* (240) .9%	8595* (9104) 2.1%	...	...	8595* (9104) 2.0%
76	...	...	...	...	...	...	...	...
80	...	61* (48) 2.8%	8* (10) .4%	70* (51) 1.0%	...	19762* (14890) 3.7%	58645* (75838) 1.9%	78407* (79264) 2.1%
A11	1546* (488) .3%	1325 (223) 2.7%	1112 (185) 11.8%	3984 (516) .8%	62990* (19551) .6%	312255 (55442) 3.2%	1939490 (244740) 15.6%	2314735 (238946) 7.0%

*Standard error >25% of the estimate. The estimate may be unreliable.
 ...No facilities observed.

FIGURE III - 107
EXIT EXAMS REQUIRED FOR ALL OR SELECTED WORKERS
 (NOES 1981-1983)





NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-91

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH DO NOT REQUIRE EXIT EXAMINATIONS OR EXAMINE MANAGEMENT ONLY

MAJOR GROUP	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	5563* (1575) 100.0%	70* (67) 100.0%	...	5633* (1557) 100.0%	103682* (30828) 100.0%	7009* (6680) 100.0%	...	110692* (29333) 100.0%
13	8597 (1933) 100.0%	1019* (331) 100.0%	46* (52) 100.0%	9662 (2132) 100.0%	208958 (38479) 100.0%	173943* (58021) 100.0%	31383* (35291) 100.0%	414284 (101840) 100.0%
15-17	94332 (2397) 100.0%	4129 (542) 99.6%	242* (135) 100.0%	98704 (2408) 100.0%	2098893 (18337) 100.0%	733993 (105764) 99.6%	236057* (100060) 100.0%	3068943 (132308) 99.9%
20-39	152592 (2558) 99.6%	30920 (2002) 97.4%	5288 (204) 84.3%	188800 (3752) 98.7%	4584632 (42050) 99.3%	6176794 (377221) 96.8%	6520621 (334523) 78.9%	17282047 (640129) 89.7%
40-49	52324 (2896) 98.4%	5670 (993) 97.0%	440* (135) 94.1%	58435 (3451) 98.3%	1416112 (105180) 98.8%	1121920 (215300) 97.3%	508192 (109930) 88.6%	3046224 (271487) 96.4%
50-59	58066 (3774) 99.4%	2659* (726) 100.0%	...	60725 (3932) 99.5%	1113224 (81750) 99.0%	408827* (110771) 100.0%	...	1522050 (143644) 99.3%
70-79	72793 (3591) 99.5%	2105 (336) 89.7%	260* (101) 73.4%	75158 (3552) 99.1%	1380576 (65827) 99.1%	410538 (62712) 88.4%	268966* (97061) 79.2%	2060080 (110572) 93.8%
80	2839* (830) 100.0%	2105 (271) 97.2%	2053 (304) 99.6%	6997 (857) 99.0%	101644 (22701) 100.0%	514723 (72692) 96.3%	2964031 (356584) 98.1%	3580398 (351083) 97.9%
ALL	447108 (7398) 99.5%	48678 (2473) 97.3%	8330 (428) 88.2%	504115 (8220) 99.1%	11007722 (164711) 99.3%	9547747 (474061) 96.8%	10529250 (521364) 84.4%	31084718 (817512) 93.0%

*Standard error >25% of the estimate. The estimate may be unreliable.
...No facilities observed.

FIGURE III - 109
EXIT EXAMS NOT REQUIRED OR FOR MANAGEMENT ONLY
(NOES 1981-1983)

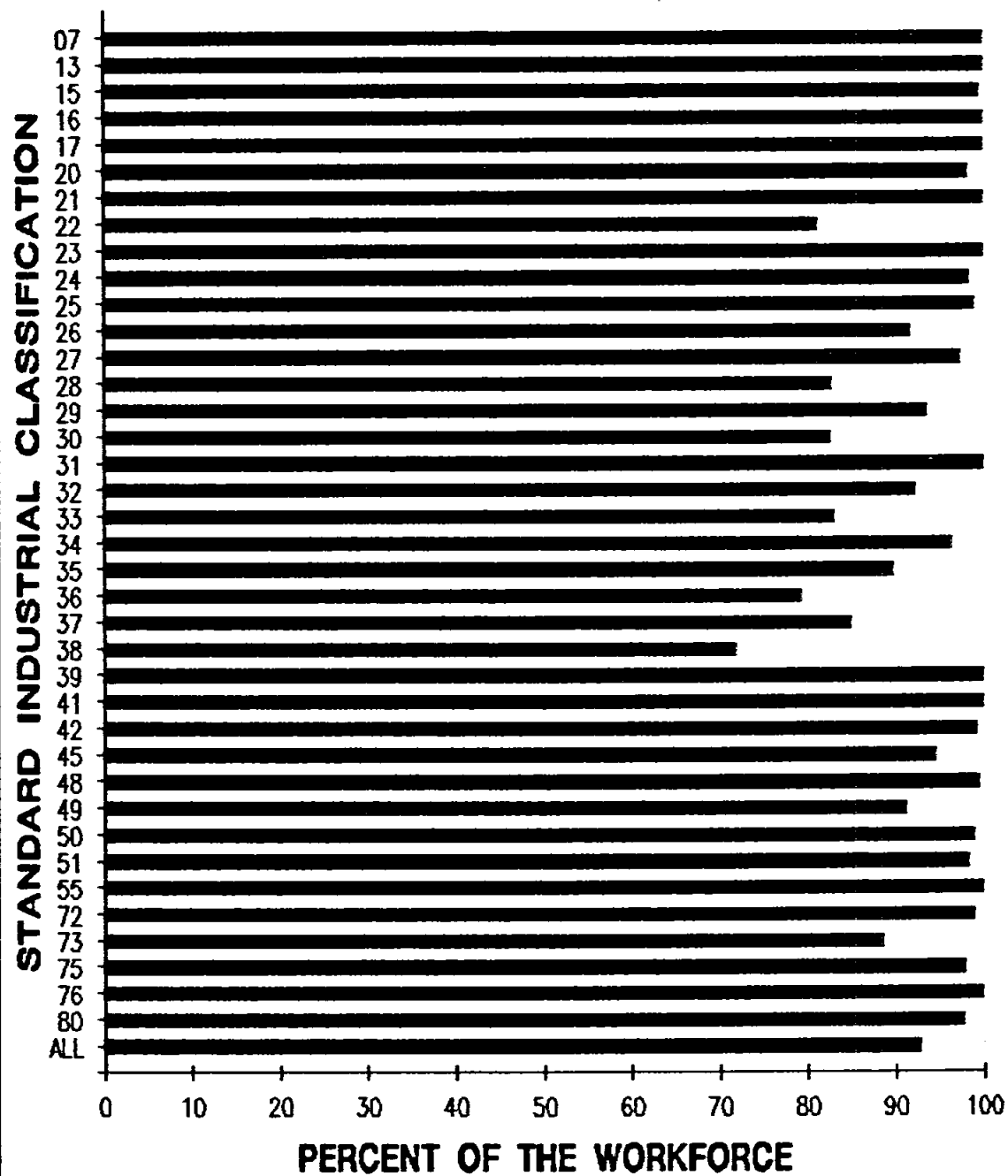
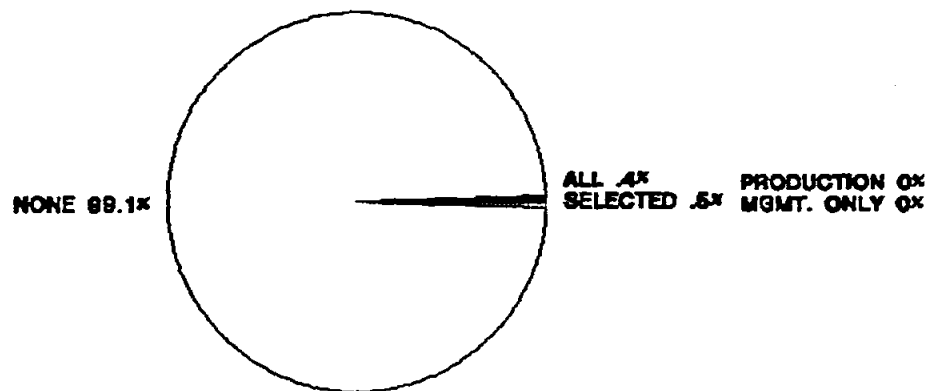
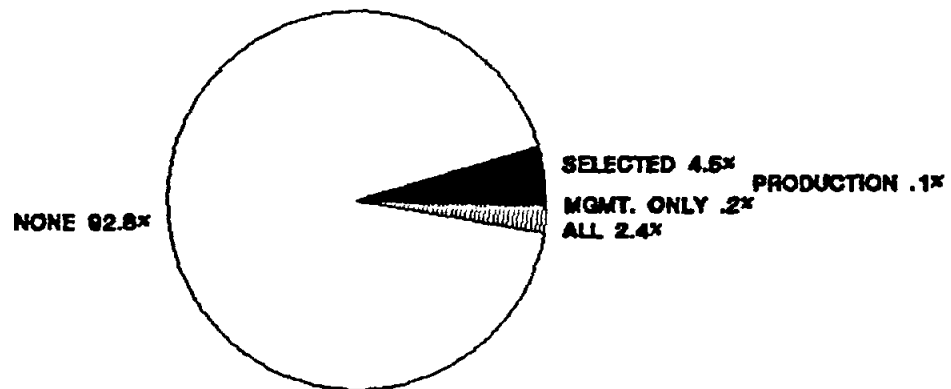


FIGURE III - 110
EXIT OR TERMINATION EXAMINATIONS REQUIRED
(NOES 1981-1983)



PLANTS



WORKERS

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH DO NOT REQUIRE EXIT EXAMINATIONS OR EXAMINE MANAGEMENT ONLY

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
07	5563* (1575) 100.0%	70* (67) 100.0%	...	5633* (1557) 100.0%	103682* (30828) 100.0%	7009* (6680) 100.0%	...	110692* (29333) 100.0%
13	8597 (1933) 100.0%	1019* (331) 100.0%	46* (52) 100.0%	9662 (2132) 100.0%	208958 (38479) 100.0%	173943* (58021) 100.0%	31383* (35291) 100.0%	414284 (101840) 100.0%
15	24916 (1781) 100.0%	1092 (195) 98.6%	135* (100) 100.0%	26142 (1838) 99.9%	562888 (44936) 100.0%	195112 (37825) 98.4%	134799* (71218) 100.0%	892799 (91650) 99.7%
16	11284 (1432) 100.0%	1119 (194) 100.0%	107* (67) 100.0%	12511 (1426) 100.0%	284089 (46249) 100.0%	207759 (44051) 100.0%	101258* (53561) 100.0%	593106 (86065) 100.0%
17	58132 (1697) 100.0%	1919 (433) 100.0%	...	60051 (1740) 100.0%	1251915 (31289) 100.0%	331122* (83193) 100.0%	...	1583038 (85352) 100.0%
20	11263 (625) 98.7%	3148 (465) 97.9%	559 (121) 100.0%	14971 (774) 98.6%	378862 (10715) 97.5%	657007 (109570) 97.5%	491775 (104930) 100.0%	1527644 (110640) 98.3%
21	30* (43) 100.0%	...	79* (56) 99.6%	109* (65) 100.0%	1866* (2685) 100.0%	...	112133* (67572) 100.0%	113999* (66861) 100.0%
22	2932 (393) 100.0%	1393 (159) 87.7%	190* (86) 63.5%	4514 (371) 93.7%	106032 (5745) 100.0%	282334 (31481) 81.3%	191811* (102484) 73.5%	580177 (109042) 81.2%
23	12514 (828) 100.0%	3102 (163) 100.0%	242* (93) 100.0%	15858 (843) 100.0%	423904 (10003) 100.0%	609922 (29811) 100.0%	208437* (79559) 100.0%	1242263 (81210) 100.0%
24	10711 (682) 100.0%	1082 (136) 94.2%	104* (74) 100.0%	11897 (736) 99.5%	303646 (24224) 100.0%	174437 (24113) 95.0%	92355* (52501) 100.0%	570438 (78586) 98.4%
25	4164 (491) 100.0%	1047 (148) 98.6%	119* (75) 99.6%	5330 (496) 99.7%	139109 (19535) 100.0%	251491 (41227) 98.1%	122998* (62394) 100.0%	513598 (77096) 99.0%
26	4023 (786) 97.8%	1545 (230) 98.5%	203* (74) 94.8%	5772 (781) 97.9%	129448 (21410) 94.0%	278399 (47715) 98.9%	166625* (67320) 80.5%	574472 (91656) 91.8%
27	18118 (1009) 100.0%	1873 (163) 100.0%	290* (105) 91.7%	20280 (985) 99.9%	478131 (12884) 100.0%	360902 (46979) 100.0%	316058 (78136) 91.4%	1155091 (108592) 97.5%
28	6095 (423) 98.7%	942 (85) 81.2%	297* (100) 78.1%	7334 (377) 95.1%	175163 (5128) 96.9%	218445 (24443) 83.7%	366418* (123423) 76.9%	760026 (122411) 82.8%
29	1011* (404) 100.0%	293* (125) 100.0%	94* (40) 93.2%	1398* (460) 99.5%	40980* (17325) 100.0%	63255* (21394) 100.0%	103291* (47214) 87.9%	207526* (62996) 93.6%
30	6711 (1152) 100.0%	1537 (382) 100.0%	117* (47) 52.4%	8365 (1310) 98.7%	225004 (27639) 100.0%	294530* (81731) 100.0%	103038* (38356) 44.1%	622572 (108294) 82.7%
31	931* (343) 100.0%	569 (131) 100.0%	25* (24) 100.0%	1525 (372) 100.0%	24888* (7207) 100.0%	135459* (34334) 100.0%	15664* (16901) 100.0%	176011 (38675) 100.0%
32	8760 (1138) 99.6%	911 (156) 90.0%	154* (60) 83.8%	9825 (1183) 98.3%	234035 (14590) 98.7%	188604 (34643) 90.2%	108618* (41738) 84.2%	531257 (46275) 92.4%
33	4134 (468) 100.0%	1414 (137) 96.3%	281 (61) 83.4%	5829 (470) 98.2%	138468 (10157) 100.0%	294090 (31348) 94.5%	456959 (68707) 73.5%	889517 (75856) 83.1%

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	18224 (1089) 98.4%	3084 (145) 98.8%	283* (75) 81.8%	21590 (1068) 98.2%	550305 (9661) 99.2%	589453 (25066) 98.8%	309649* (102349) 88.2%	1449407 (111664) 96.5%
35	22650 (1097) 100.0%	3353 (141) 98.5%	677 (79) 86.3%	26680 (1124) 99.4%	606800 (8461) 100.0%	642995 (10504) 97.3%	887554 (111068) 79.7%	2137349 (113622) 89.8%
36	7104 (611) 100.0%	2685 (87) 100.0%	662 (151) 84.1%	10451 (599) 98.8%	230488 (11906) 100.0%	552662 (175) 100.0%	776411 (138629) 65.7%	1559561 (138597) 79.3%
37	3973 (835) 100.0%	1190 (102) 100.0%	353 (79) 84.9%	5516 (807) 98.9%	127022 (16795) 100.0%	239184 (28491) 100.0%	1234424 (279768) 81.5%	1600630 (273411) 85.1%
38	2689 (520) 100.0%	955 (86) 99.8%	221* (124) 53.1%	3865 (582) 95.2%	104602 (13774) 100.0%	194175 (19864) 99.9%	247035* (131412) 53.7%	545813* (138382) 71.9%
39	6553 (659) 100.0%	798* (1475) 100.0%	338* (216) 100.0%	7689 (1563) 100.0%	165877 (13792) 100.0%	149449* (273871) 100.0%	209369* (120490) 100.0%	524696* (259275) 100.0%
41	4420 (1016) 100.0%	510* (178) 100.0%	...	4930 (1084) 100.0%	117632 (25442) 100.0%	81542* (35755) 100.0%	...	199174 (49120) 100.0%
42	19875 (2226) 99.2%	1482 (319) 100.0%	82* (54) 99.5%	21439 (2315) 99.3%	482333 (54952) 98.9%	258822 (57060) 100.0%	74830* (49333) 100.0%	815985 (77574) 99.3%
45	3241* (911) 100.0%	590* (397) 99.9%	141* (55) 95.7%	3971* (1059) 99.8%	77497* (20033) 100.0%	109332* (75829) 100.0%	240189* (88357) 90.9%	427018* (109362) 94.7%
48	14624 (2098) 99.5%	902 (183) 100.0%	34* (21) 99.0%	15560 (2160) 99.5%	423049 (85998) 99.4%	176322 (39398) 100.0%	70083* (43687) 100.0%	669454 (110369) 99.6%
49	8215 (1754) 100.0%	1689* (545) 90.7%	152* (101) 87.7%	10056 (1971) 98.1%	269370 (58035) 100.0%	394076* (146859) 92.6%	105080* (65971) 71.7%	768525 (186923) 91.3%
50	30245 (2443) 99.7%	1802* (477) 100.0%	...	32047 (2499) 99.7%	622469 (67807) 98.8%	283239* (79024) 100.0%	...	905708 (116861) 99.1%
51	8893 (1212) 97.6%	237* (237) 100.0%	...	9130 (1259) 97.6%	181709 (40974) 98.2%	27013* (27013) 100.0%	...	208722* (55176) 98.4%
55	18928 (3032) 100.0%	620* (491) 99.9%	...	19548 (3239) 100.0%	309045 (54796) 100.0%	98575* (80174) 100.0%	...	407620* (110347) 100.0%
72	20629 (2414) 100.0%	636* (187) 94.2%	13* (19) 100.0%	21279 (2458) 99.8%	380020 (49376) 100.0%	77883* (23767) 94.7%	10670* (15114) 100.0%	468573 (61282) 99.1%
73	16460 (1695) 99.3%	1287 (228) 86.4%	246* (91) 72.3%	17993 (1660) 97.8%	417444 (44822) 99.1%	300076 (49248) 85.8%	258296* (90973) 78.5%	975815 (105120) 88.7%
75	25954 (3874) 99.1%	59* (60) 99.7%	...	26012 (3880) 99.1%	404681 (63093) 97.9%	8238* (8380) 100.0%	...	412919 (63628) 98.0%
76	9751 (2194) 100.0%	123* (94) 100.0%	...	9874 (2214) 100.0%	178432 (29757) 100.0%	24341* (19716) 100.0%	...	202773 (40475) 100.0%
80	2839* (830) 100.0%	2105 (271) 97.2%	2053 (304) 99.6%	6997 (857) 99.0%	101644 (22701) 100.0%	514723 (72692) 96.3%	2964031 (356584) 98.1%	3580398 (351083) 97.9%
A11	445160 (6797) 99.7%	48227 (749) 97.3%	8313 (455) 88.2%	501700 (6797) 99.2%	10961490 (79683) 99.4%	9461526 (110201) 96.8%	10520245 (518349) 84.4%	30943261 (490394) 93.0%

*Standard error >25% of the estimate. The estimate may be unreliable.
 ...No facilities observed.

**NOES QUESTIONNAIRE ITEM NO. 27
Retention of Medical Records**

Intent

The intent of this question was to determine the surveyed facility's management policy on the length of time that employee medical records are retained.

This item was displayed on the questionnaire as:

27. How long are medical records and other health information records retained?

--- Years (If "forever" code "999")
(If "unknown" code "U K ")

Notes

Record keeping systems (personnel or time keeping) were excluded from consideration unless they made specific provision for the inclusion of medical and/or health-related records.

Three classes of responses to question 27 were possible. In analyzing the survey data, it was decided that responses of unknown (UK) should be discarded since no real analytical process was possible. A "forever" (999) response did not allow for specificity, so analysis was performed to estimate the number of plants, and workers in those plants, where medical or health-related records were retained "forever". Approximately 43% of all plants, employing about 56% of the workforce in the survey sample frame, fall into this category.

The remaining respondents gave a specific ("non-forever") value which could be analyzed. These responses were averaged across the estimated populations of plants and workers.

Analysis

Two analyses of the responses to question 27 are presented.

(1) Response 27 - Average number of "non-forever" years that medical records are retained

Estimates of the average "non-forever" retention periods for medical or health-related records are displayed in Figures III-111 and III-112, and Tables III-93 and III-94.

Figure III-111 Average number of "non-forever" years plants keep medical records

(by major industrial group)

Figure III-112 Average number of "non-forever" years plants keep medical records

(by 2-digit SIC)

Table III-93 **Average number of years facilities keep medical records among plants not reporting "forever" (by major industrial group)**

Table III-94 **Average number of years facilities keep medical records among plants not reporting "forever" (by 2-digit SIC)**

(2) Response 27 - Number of plants retaining medical records "forever"

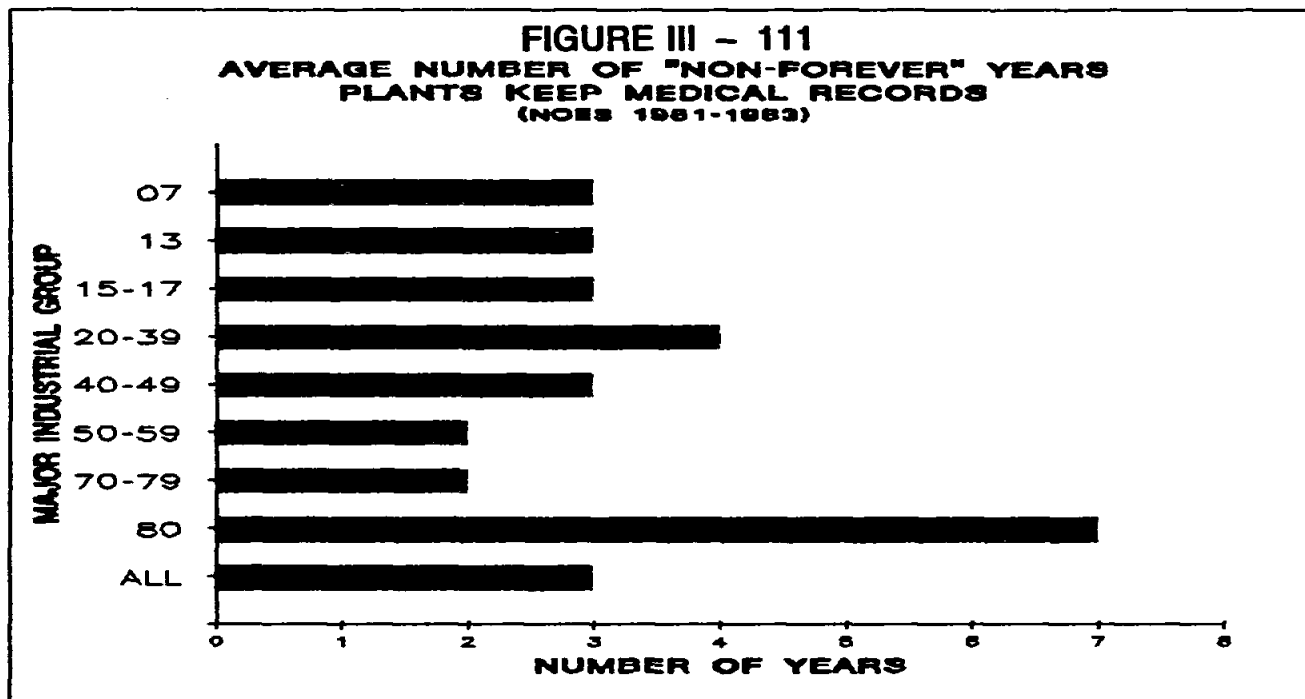
The estimates of the plants which keep medical or health-related records "forever", and workers in those plants (by number and proportion of the totals) are displayed in Figures III-113 and III-114, and Tables III-95 and III-96.

Figure III-113 **Proportion of plants which keep medical records "forever" (by major industrial group)**

Figure III-114 **Proportion of plants which keep medical records "forever" (by 2-digit SIC)**

Table III-95 **Number and percent of plants and employees in plants which keep medical records "forever" (by major industrial group)**

Table III-96 **Number and percent of plants and employees in plants which keep medical records "forever" (by 2-digit SIC)**



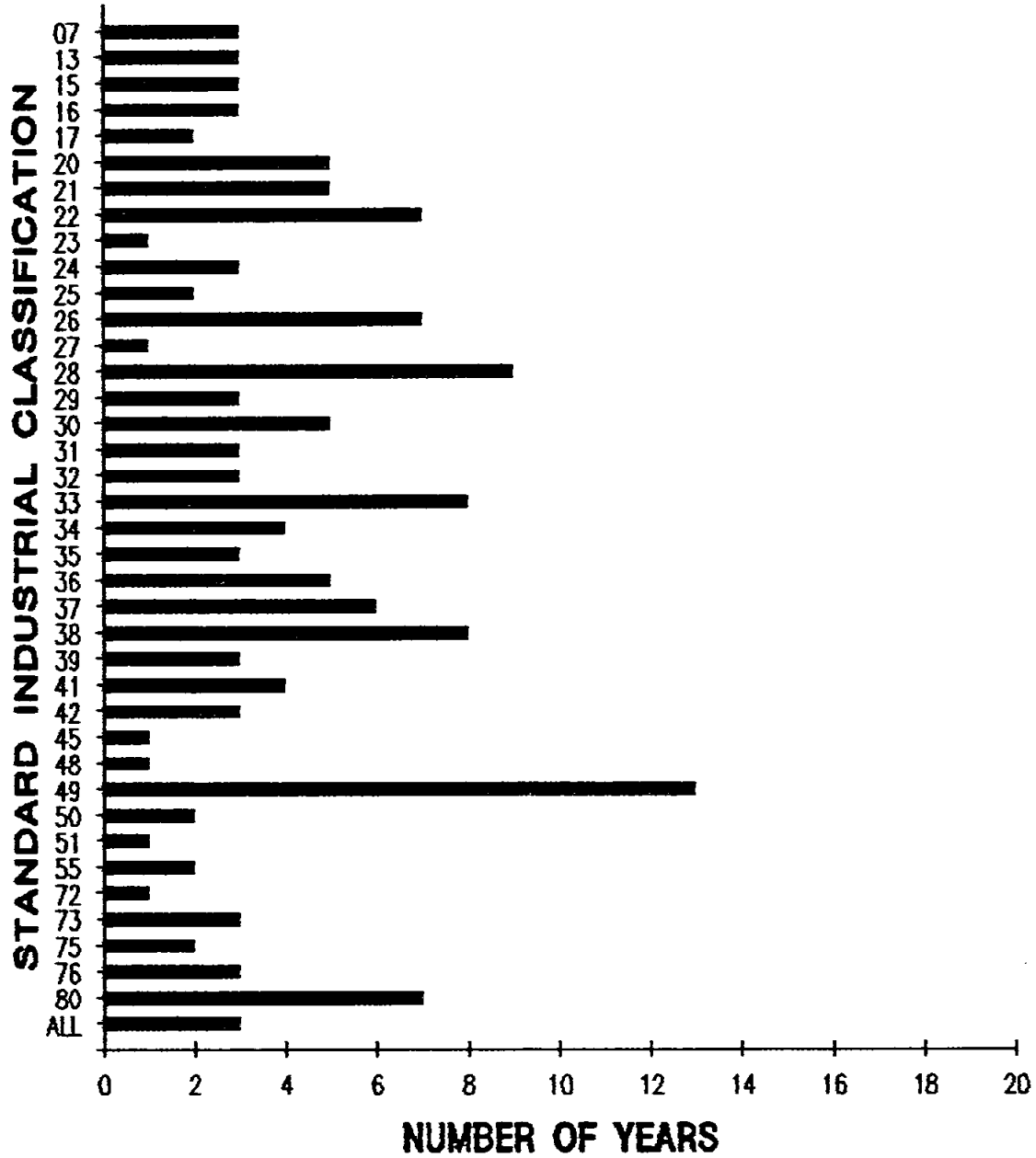
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-93

AVERAGE NUMBER OF YEARS FACILITIES KEEP MEDICAL RECORDS AMONG PLANTS NOT REPORTING "FOREVER"

MAJOR GROUP	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	3* (1)	3* (2)	...	3* (1)
13	3* (2)	2* (1)	...	3* (2)
15-17	3 (<.5)	4* (1)	13* (7)	3 (<.5)
20-39	3 (<.5)	7 (1)	18 (2)	4 (<.5)
40-49	3* (1)	6* (2)	18* (7)	3* (1)
50-59	2 (<.5)	4* (3)	...	2 (<.5)
70-79	2 (<.5)	4* (1)	10* (6)	2 (<.5)
80	3* (2)	9 (1)	12 (2)	7 (2)
ALL	3 (<.5)	6 (1)	16 (1)	3 (<.5)

*Standard error >25% of the estimate. The estimate may be unreliable.
 ...No facilities observed.

FIGURE III - 112
AVERAGE NUMBER OF "NON-FOREVER" YEARS
PLANTS KEEP MEDICAL RECORDS
 (NOES 1991-1993)

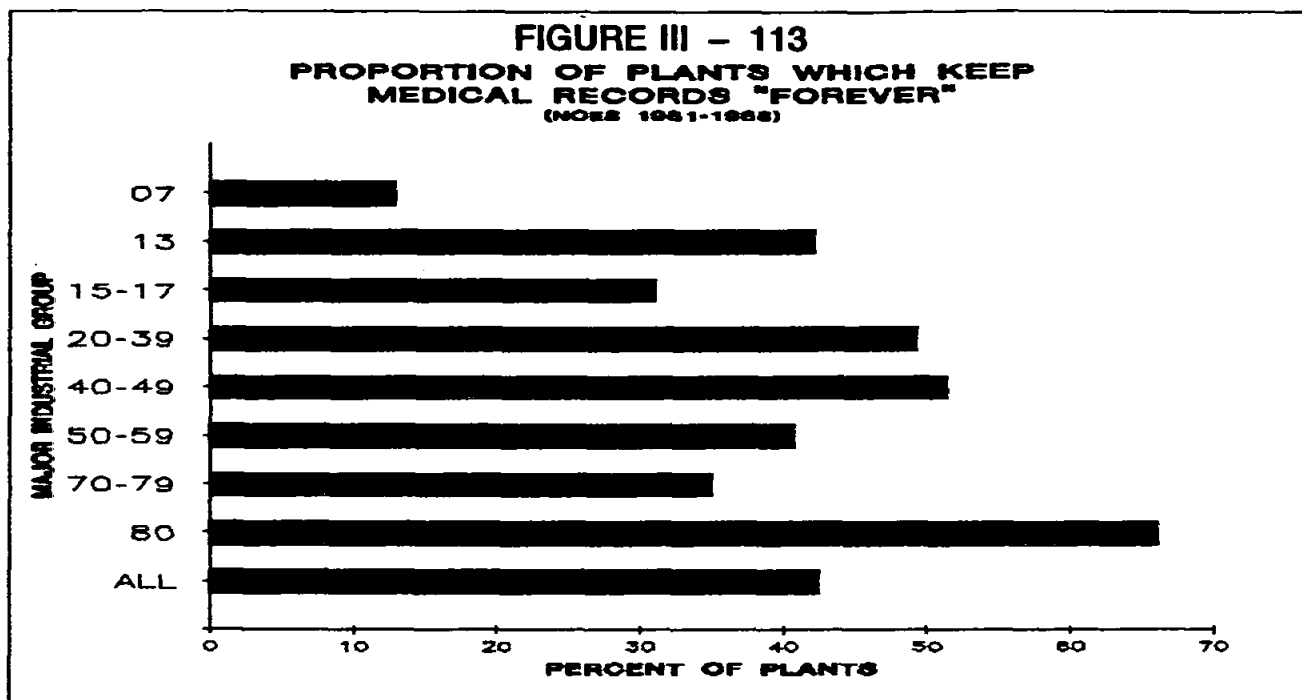


AVERAGE NUMBER OF YEARS FACILITIES KEEP MEDICAL RECORDS AMONG PLANTS NOT REPORTING "FOREVER"

SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	3* (1)	3* (2)	---	3* (1)
13	3* (2)	2* (1)	---	3* (2)
15	3 (1)	4* (3)	4* (5)	3 (1)
16	2* (1)	8* (4)	21* (11)	3* (1)
17	2 ($<.5$)	3* (1)	---	2 ($<.5$)
20	4 (1)	10* (4)	16* (8)	5 (1)
21	---	---	5* (4)	5* (4)
22	3* (1)	9* (3)	28 (1)	7 (1)
23	1* (≥.25)	3 (1)	---	1* (≥.25)
24	2* (1)	8* (5)	30* (21)	3* (1)
25	1* (1)	5* (4)	6* (11)	2* (1)
26	6 (2)	5* (3)	16* (7)	7 (1)
27	1* (≥.25)	4 (1)	14* (6)	1* (≥.25)
28	7* (3)	17* (5)	42* (13)	9* (2)
29	---	19* (12)	30* (21)	3* (4)
30	4* (2)	9* (4)	26* (10)	5* (2)
31	2* (2)	5* (4)	---	3* (2)
32	2* (1)	10* (5)	30* (21)	3* (1)
33	8* (2)	6* (9)	22* (6)	8* (2)

SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
34	4 (1)	6* (2)	15* (8)	4 (1)
35	2 (1)	5* (1)	19 (4)	3 (1)
36	3* (1)	10* (4)	15 (3)	5 (1)
37	6* (3)	7* (5)	27 (5)	6* (3)
38	5* (2)	10* (4)	26* (12)	8* (2)
39	2* (1)	4* (3)	8* (9)	3* (1)
41	4* (3)	7 (1)	...	4* (2)
42	3* (1)	11 (2)	2* (6)	3 (1)
45	<1	1* (1)	18* (11)	1* (2)
48	1 (<.25)	3* (4)	30* (22)	1 (<.25)
49	16* (10)	4* (3)	20* (13)	13* (8)
50	2 (<.5)	4* (3)	...	2 (<.5)
51	1* (≥.25)	7* (7)	...	1* (1)
55	2* (1)	1* (4)	...	2* (1)
72	1* (≥.25)	1* (1)	7* (5)	1* (≥.25)
73	3* (1)	7 (1)	10* (7)	3* (1)
75	2 (1)	...	...	2 (1)
76	3* (1)	7* (5)	...	3* (1)
80	3* (2)	9 (1)	12 (2)	7 (2)
ALL	3 (<.5)	6 (1)	16 (1)	3 (<.5)

*Standard error >25% of the estimate. The estimate may be unreliable.
 ...No facilities observed.



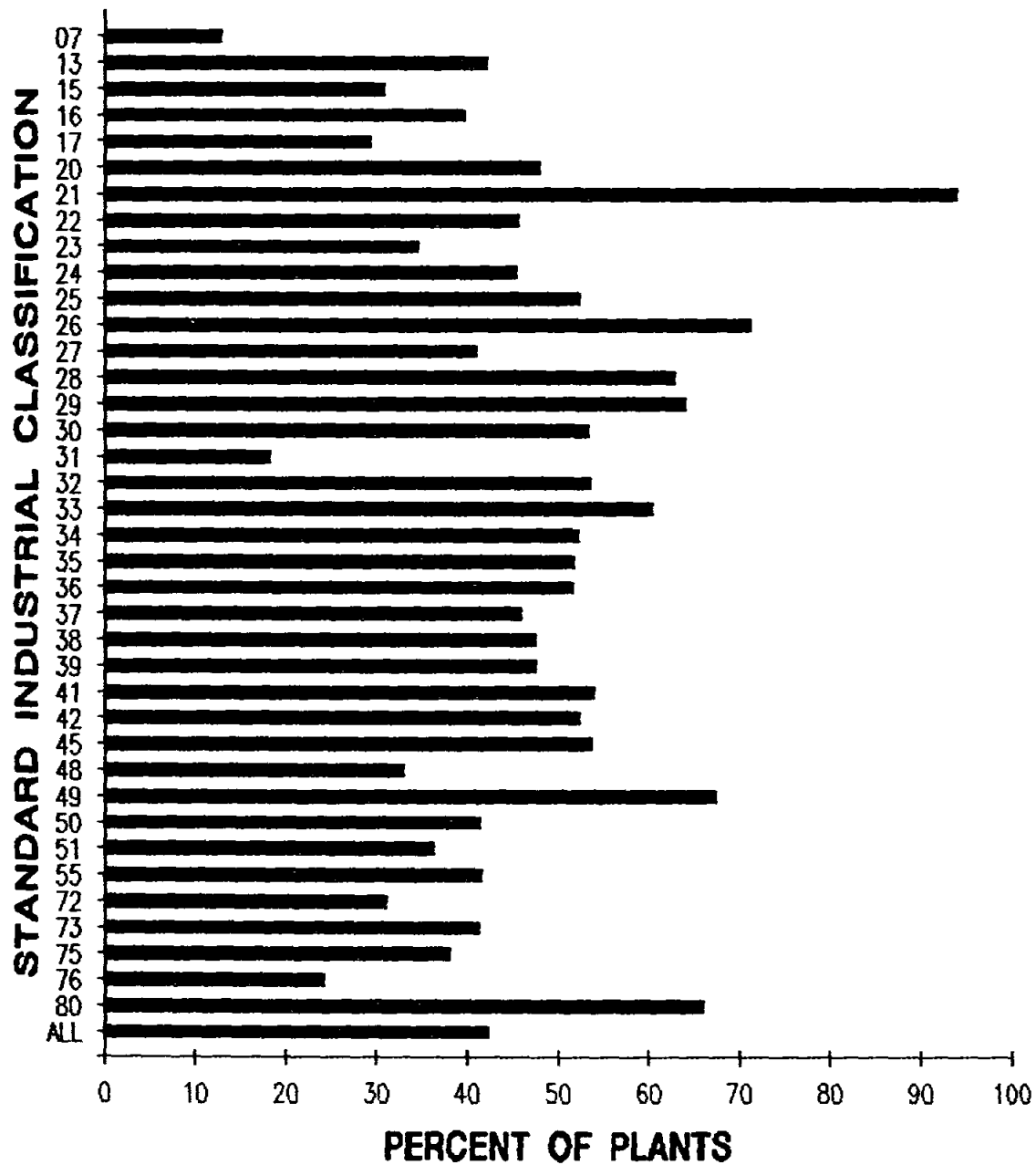
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-95

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH KEEP MEDICAL RECORDS "FOREVER"

MAJOR GROUP	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	740* (424) 13.3%	...	...	740* (424) 13.1%	16412* (13699) 15.8%	...	...	16412* (13699) 14.8%
13	3543* (1109) 41.2%	504* (265) 49.4%	46* (52) 100.0%	4093* (1334) 42.4%	85337 (21195) 40.8%	82541* (32461) 47.5%	31383* (35291) 100.0%	199260* (78172) 48.1%
15-17	29063 (3202) 30.8%	1557 (328) 37.6%	160* (123) 66.1%	30780 (3172) 31.2%	655681 (66758) 31.2%	289054 (58158) 39.2%	122941* (88482) 52.1%	1067677 (121817) 34.8%
20-39	71187 (3723) 46.5%	19254 (1503) 60.6%	4167 (207) 66.5%	94607 (4154) 49.5%	2258052 (87194) 48.9%	3986170 (307890) 62.5%	5380325 (354220) 65.1%	11624547 (592448) 60.4%
40-49	26525 (2698) 49.9%	3913 (783) 67.0%	272* (108) 58.1%	30710 (2939) 51.6%	811323 (91265) 56.6%	696735 (144422) 60.4%	352631* (106109) 61.5%	1860690 (202986) 58.9%
50-59	23830 (2174) 40.8%	1128* (394) 42.4%	...	24958 (2187) 40.9%	519679 (43520) 46.2%	189824* (72435) 46.4%	...	709504 (84495) 46.3%
70-79	25480 (2789) 34.8%	1017 (146) 43.3%	210* (124) 59.3%	26706 (2752) 35.2%	504203 (63312) 36.2%	223468 (34333) 48.1%	188543* (94781) 55.5%	916214 (110525) 41.7%
80	1841* (648) 64.9%	1561 (270) 72.1%	1283 (252) 62.3%	4686 (658) 66.3%	61119 (15240) 60.1%	387855 (74389) 72.6%	1805934 (341875) 59.7%	2254907 (330972) 61.6%
ALL	182208 (6762) 40.6%	28934 (1816) 57.9%	6138 (388) 65.0%	217280 (7121) 42.7%	4911807 (164804) 44.3%	5855648 (363386) 59.4%	7881756 (521217) 63.2%	18649211 (736365) 55.8%

*Standard error >25% of the estimate. The estimate may be unreliable.
 ...No facilities observed.

FIGURE III - 114
PROPORTION OF PLANTS WHICH
KEEP MEDICAL RECORDS "FOREVER"
(NOES 1981-1983)



NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH KEEP MEDICAL RECORDS "FOREVER"

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
07	740* (424) 13.3%	...	...	740* (424) 13.1%	16412* (13699) 15.8%	...	...	16412* (13699) 14.8%
13	3543* (1109) 41.2%	504* (265) 49.4%	46* (52) 100.0%	4093* (1334) 42.4%	85337 (21195) 40.8%	82541* (32461) 47.5%	31383* (35291) 100.0%	199260* (78172) 48.1%
15	7424 (1063) 29.8%	555* (221) 50.1%	98* (99) 72.6%	8077 (1140) 30.9%	150101 (21601) 26.7%	107417* (38072) 54.2%	70472* (67228) 52.3%	327991 (80954) 36.6%
16	4254* (1408) 37.7%	660* (216) 59.0%	62* (50) 57.8%	4916* (1440) 39.8%	119757* (40324) 42.2%	120974* (44951) 58.2%	52469* (41334) 51.8%	293201* (81844) 49.4%
17	17384 (2480) 29.9%	342* (185) 17.8%	...	17726 (2502) 29.5%	385822 (45427) 30.8%	60663* (32414) 18.3%	...	446486 (54316) 28.2%
20	4852 (632) 42.5%	2001 (371) 62.2%	475 (104) 84.9%	7328 (749) 48.2%	180748 (25499) 46.5%	459768 (91441) 68.2%	418913 (95085) 85.2%	1059428 (107993) 68.2%
21	30* (43) 100.0%	...	72* (47) 91.5%	103* (59) 94.1%	1866* (2685) 100.0%	...	108745* (64516) 97.0%	110611* (63812) 97.0%
22	1067 (266) 36.4%	1022 (143) 64.4%	116* (45) 39.0%	2205 (303) 45.8%	46422 (10203) 43.8%	238358 (30970) 68.7%	92229* (44624) 35.3%	377009 (49607) 52.8%
23	3672 (545) 29.3%	1636 (230) 52.7%	196* (82) 80.9%	5505 (659) 34.7%	146717 (19925) 34.6%	333781 (45014) 54.7%	177749* (72914) 85.3%	658247 (80837) 53.0%
24	4690 (782) 43.8%	664* (183) 57.8%	97* (73) 93.5%	5451 (810) 45.6%	131040 (23804) 43.2%	105585* (27866) 57.5%	84209* (52011) 91.2%	320833 (63494) 55.4%
25	1974 (466) 47.4%	807* (219) 76.0%	30* (31) 25.2%	2812 (552) 52.6%	59929 (11629) 43.1%	195251* (53641) 76.1%	50849* (32821) 41.3%	306030 (73269) 59.0%
26	2890 (686) 70.3%	1203* (316) 76.7%	117* (66) 54.5%	4209 (728) 71.4%	85281 (20795) 62.0%	216766* (54854) 77.0%	84263* (51216) 40.7%	386311 (87409) 61.7%
27	6893 (1146) 38.0%	1253 (143) 66.9%	199* (95) 63.1%	8346 (1143) 41.1%	204606 (32320) 42.8%	220191 (39817) 61.0%	197464* (73483) 57.1%	622261 (96300) 52.5%
28	3811 (510) 61.7%	748 (143) 64.5%	305 (58) 80.2%	4864 (520) 63.1%	115831 (10218) 64.1%	179534 (40994) 68.8%	333092* (102949) 69.9%	628457 (109518) 68.5%
29	584* (289) 57.8%	238* (120) 81.1%	80* (38) 79.1%	902* (351) 64.2%	34715* (17013) 84.7%	55462* (19608) 87.7%	102156* (69145) 86.9%	192333* (80572) 86.7%
30	3566* (994) 53.1%	797* (344) 51.8%	174* (74) 77.6%	4536* (1210) 53.5%	118661 (24627) 52.7%	142562* (65374) 48.4%	164469* (71185) 70.4%	425691* (115134) 56.5%
31	47* (45) 5.0%	208* (82) 36.6%	25* (24) 100.0%	281* (96) 18.4%	1691* (1621) 6.8%	50862* (20805) 37.5%	15664* (16901) 100.0%	68217* (25622) 38.8%
32	4440 (836) 50.5%	771 (134) 76.2%	154* (60) 83.8%	5365 (851) 53.7%	139923 (17019) 59.0%	164779 (29274) 78.8%	108618* (41738) 84.2%	413321 (42966) 71.9%
33	2371 (548) 57.4%	956 (229) 65.1%	269 (57) 79.9%	3596 (634) 60.6%	73195 (14760) 52.9%	222485 (36775) 71.5%	354050 (73083) 57.0%	649730 (74767) 60.7%

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
34	9442 (1031) 51.0%	1862 (197) 59.6%	226* (82) 65.3%	11530 (1083) 52.4%	295943 (18436) 53.3%	373517 (43960) 62.6%	243628* (91224) 69.4%	913088 (106140) 60.8%
35	11282 (1277) 49.8%	2062 (214) 60.6%	575 (91) 73.4%	13919 (1200) 51.9%	344257 (24137) 56.7%	418922 (48633) 63.4%	742436 (89877) 66.7%	1505615 (89352) 63.2%
36	3536 (657) 49.8%	1389 (200) 51.7%	551* (148) 70.0%	5477 (698) 51.8%	101445 (21499) 44.0%	291460 (51239) 52.7%	770042 (137630) 65.1%	1162947 (155683) 59.2%
37	1574* (475) 39.6%	677 (141) 56.9%	318* (91) 76.5%	2570 (480) 46.1%	45987* (11535) 36.2%	127236* (40147) 53.2%	1096749 (221917) 72.4%	1269972 (219771) 67.5%
38	1143* (406) 42.5%	618 (112) 64.6%	177* (92) 42.5%	1938 (422) 47.7%	48622 (12114) 46.5%	106567 (26071) 54.8%	215534* (116457) 46.8%	370723* (125233) 48.8%
39	3321 (712) 50.7%	340* (658) 42.5%	10* (10) 3.0%	3671 (907) 47.7%	81173 (15332) 48.9%	83085* (162942) 55.6%	19466* (18968) 9.3%	183723* (158113) 35.0%
41	2434 (553) 55.1%	231* (132) 45.4%	...	2666 (573) 54.1%	63424 (15601) 53.9%	32864* (18259) 40.3%	...	96288 (23444) 48.3%
42	10351 (1755) 51.7%	972* (263) 65.6%	42* (30) 51.0%	11364 (1792) 52.6%	260835 (36128) 53.5%	164877* (46445) 63.7%	41982* (28109) 56.1%	467695 (68797) 56.9%
45	1651* (610) 50.9%	416* (326) 70.5%	79* (37) 53.6%	2146* (665) 53.9%	42124* (17174) 54.4%	53756* (43152) 49.2%	164040* (67312) 62.1%	259920* (65605) 57.6%
48	4474* (1327) 30.4%	684 (135) 75.8%	30* (20) 88.9%	5188* (1351) 33.2%	185880* (68591) 43.7%	138207* (35282) 78.4%	56857* (37465) 81.1%	380944 (87747) 56.7%
49	5597* (1441) 68.1%	1208* (421) 64.9%	121* (90) 69.9%	6926 (1567) 67.6%	217399 (52849) 80.7%	237647* (80983) 55.9%	89752* (62115) 61.2%	544798 (117381) 64.7%
50	12235 (1515) 40.3%	1128* (394) 62.6%	...	13363 (1675) 41.6%	285487 (29329) 45.3%	189824* (72435) 67.0%	...	475312 (88585) 52.0%
51	3417 (798) 37.5%	...	...	3417 (798) 36.5%	75734* (21891) 40.9%	...	...	75734* (21891) 35.7%
55	8179 (1527) 43.2%	...	...	8179 (1527) 41.8%	158458 (36736) 51.3%	...	...	158458 (36736) 38.9%
72	6536 (1599) 31.7%	115* (69) 17.1%	...	6652 (1598) 31.2%	135160 (27841) 35.6%	18109* (13497) 22.0%	...	153269 (30976) 32.4%
73	6613 (1511) 39.9%	806 (124) 54.1%	210* (124) 61.6%	7629 (1545) 41.5%	148973* (47326) 35.3%	184448 (28658) 52.7%	188543* (94781) 57.3%	521964 (106359) 47.4%
75	9953 (2031) 38.0%	59* (60) 99.7%	...	10012 (2027) 38.2%	171884 (37519) 41.6%	8238* (8380) 100.0%	...	180122 (37036) 42.7%
76	2377 (579) 24.4%	36* (45) 29.4%	...	2414 (589) 24.4%	48187 (11629) 27.0%	12672* (15755) 52.1%	...	60859* (20878) 30.0%
80	1841* (648) 64.9%	1561 (270) 72.1%	1283 (252) 62.3%	4686 (658) 66.3%	61119 (15240) 60.1%	387855 (74389) 72.6%	1805934 (341875) 59.7%	2254907 (330972) 61.6%
ALL	180190 (7552) 40.3%	28559 (1486) 57.6%	6138 (412) 65.1%	214886 (7730) 42.5%	4870145 (185032) 44.2%	5795354 (287085) 59.3%	7881756 (534658) 63.3%	18547255 (751986) 55.8%

*Standard error >25% of the estimate. The estimate may be unreliable.
 ...No facilities observed.

