

NOES QUESTIONNAIRE ITEM NO. 23
Required Pre-placement or Pre-hiring Examinations

Intent

The intent of this question was to determine if an industrial facility required a medical examination of a worker's health before hiring or placing them in a new position.

This item was displayed on the questionnaire as:

Before new employees are
hired or placed, are they
required to take a medical
examination? 1 2 3 4 5

Notes

A medical examination in this inquiry was defined as those lists, procedures, or observations of a worker's health status performed by or under the supervision of a physician. This could range from a physician interview to a comprehensive physical examination involving lab tests.

Examinations by a worker's private physician are included if the results are submitted to facility management. Sight or audio screening tests are also included if the results are reviewed by a physician, and records are submitted to management.

Examinations not performed by, or under the supervision of a physician (including review/evaluation) did not constitute a positive response to this inquiry.

Analysis

Three analyses of the responses to question 23 are presented.

- (1) Response 23.2, 23.4, or 23.5 - Pre-placement examinations required for all, production, or selected workers

The estimates of the plants which have required medical examinations prior to hiring or new placement, and workers in those plants (by number and proportion of the totals) are displayed in Figures III-91 and III-92, and Tables III-77 and III-78.

Figure III-91 Pre-placement exams required for all or selected
workers (by major industrial group)
Figure III-92 Pre-placement exams required for all or selected
workers (by 2-digit SIC)

Table III-77 **Number and percent of plants and employees in plants which require a medical examination before hiring or placement (by major industrial group)**

Table III-78 **Number and percent of plants and employees in plants which require a medical examination before hiring or placement (by 2-digit SIC)**

- (2) **Response 23.1 or 23.3 - Pre-placement examinations not required, or required only for management personnel**

The estimates of the plants which do not require pre-hiring or pre-placement examinations, or require them only for management personnel, and workers in those plants (by number and proportion of the totals) are displayed in Figures III-93 and III-94, and Tables III-79 and III-80.

Figure III-93 **Pre-placement exams not required or for management only (by major industrial group)**

Figure III-94 **Pre-placement exams not required or for management only (by 2-digit SIC)**

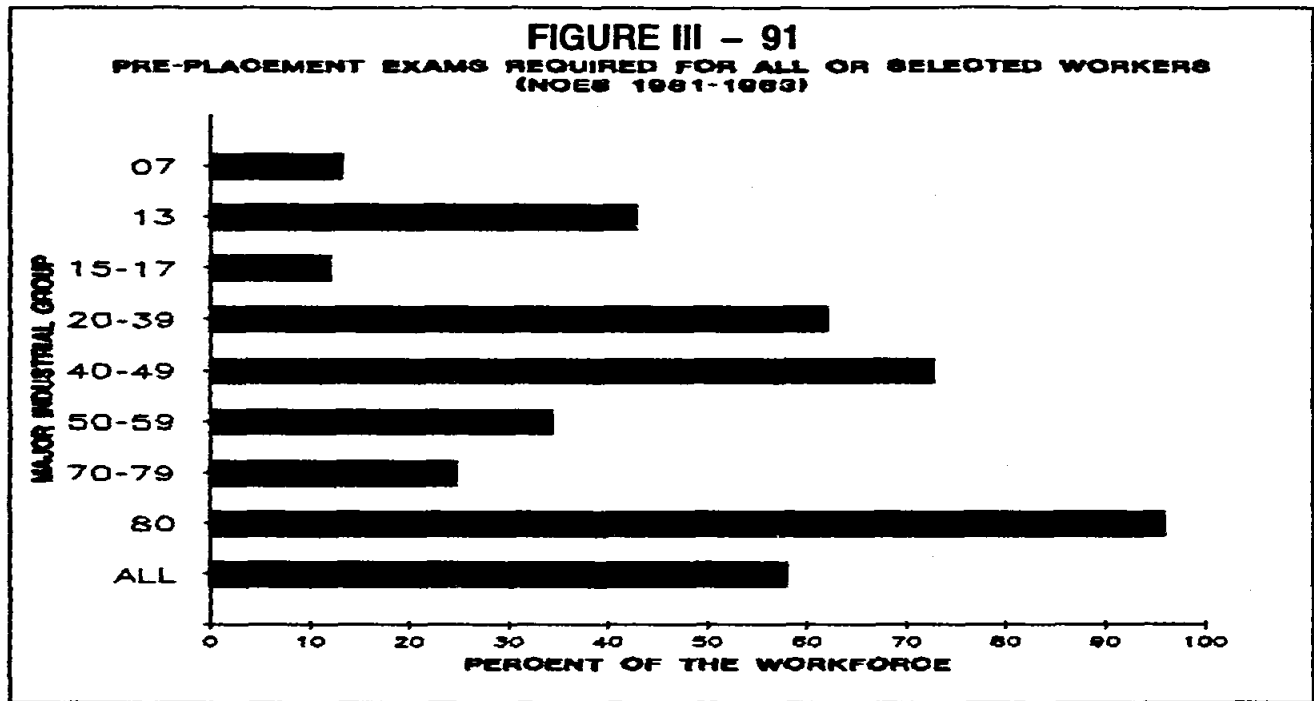
Table III-79 **Number and percent of plants and employees in plants which do not require pre-placement examinations or examine management only (by major industrial group)**

Table III-80 **Number and percent of plants and employees in plants which do not require pre-placement examinations or examine management only (by 2-digit SIC)**

- (3) **Response 23.1, 23.2, 23.3, 23.4, or 23.5 - Required pre-hiring or pre-placement examinations**

The estimated proportions of plants and workers in those plants corresponding to each of the five possible responses to the pre-placement inquiry are displayed in Figure III-95.

Figure III-95 **Provision of pre-placement examinations**



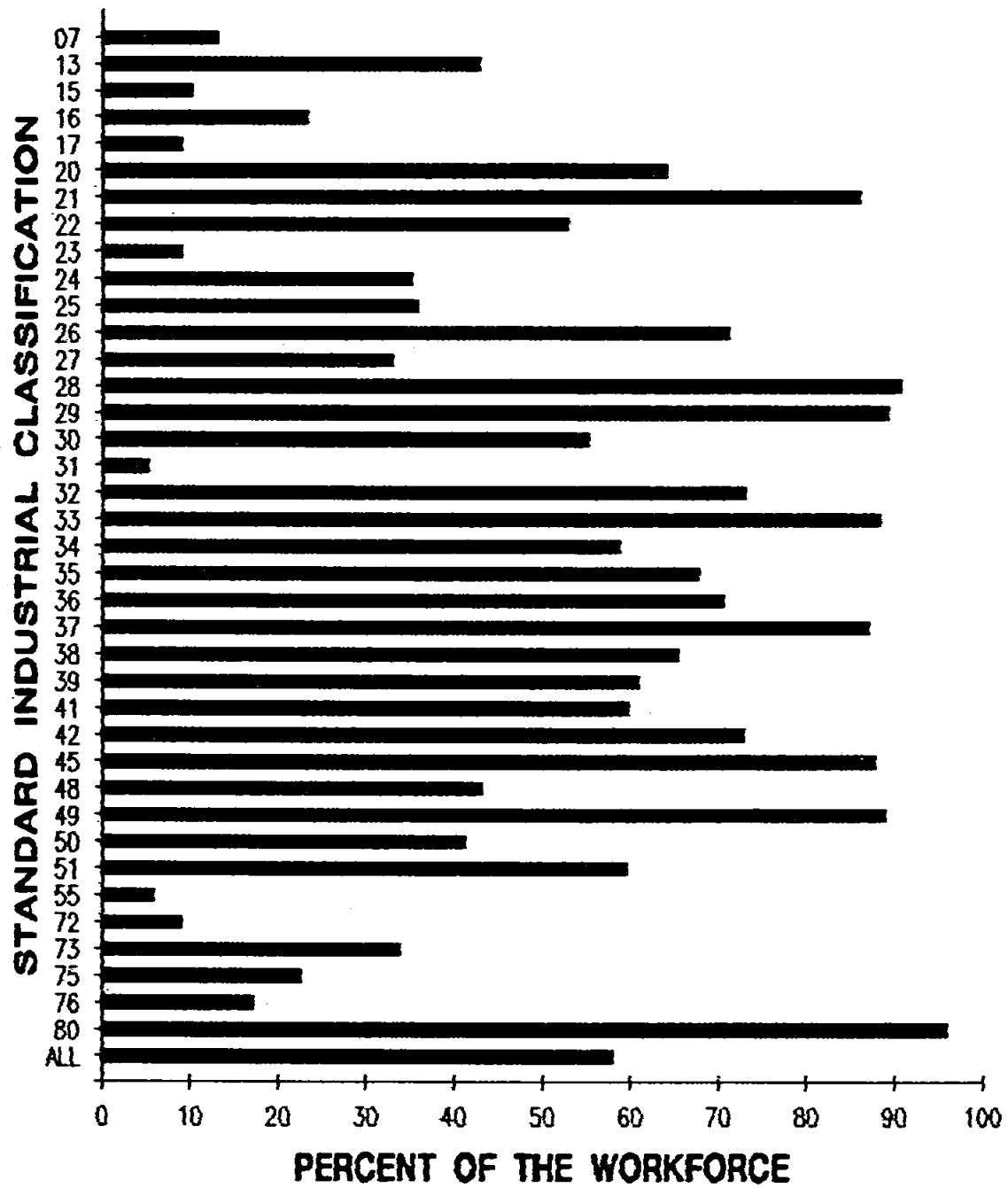
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-77

**NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
REQUIRE A MEDICAL EXAMINATION BEFORE HIRING OR PLACEMENT**

MAJOR GROUP	PLANTS			TOTAL	EMPLOYEES			TOTAL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)		SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	313* (253) 5.6%	...	...	313* (253) 5.6%	14788* (13853) 14.3%	...	...	14788* (13853) 13.4%
13	2747* (840) 31.9%	427* (258) 41.9%	46* (52) 100.0%	3219* (960) 33.3%	63544* (22115) 30.4%	83281* (35324) 47.9%	31383* (35291) 100.0%	178208* (67779) 43.0%
15-17	6179 (1340) 6.6%	782* (313) 18.9%	113* (111) 46.7%	7074 (1344) 7.2%	168489* (42532) 8.0%	117617* (53225) 16.0%	91605* (72792) 38.8%	377710* (101195) 12.3%
20-39	32972 (2532) 21.5%	16975 (1335) 53.5%	4868 (238) 77.6%	54814 (3077) 28.7%	1313416 (76296) 28.5%	3584899 (303373) 56.2%	7108770 (242747) 86.0%	12007085 (452507) 62.3%
40-49	25575 (2391) 48.1%	4994 (879) 85.5%	461* (132) 98.5%	31030 (2393) 52.2%	717865 (75011) 50.1%	1026491 (203654) 89.0%	561148 (98952) 97.8%	2305503 (235318) 72.9%
50-59	15528 (2386) 26.6%	1114* (335) 41.9%	...	16642 (2403) 27.3%	374871 (53124) 33.3%	156230* (45509) 38.2%	...	531101 (68656) 34.6%
70-79	9870 (1684) 13.5%	457* (145) 19.5%	186* (120) 52.5%	10512 (1685) 13.9%	225567 (33225) 16.2%	112539* (31273) 24.2%	210856* (111421) 62.1%	548961 (113837) 25.0%
80	1672* (575) 58.9%	1890 (220) 87.2%	2016 (308) 97.8%	5578 (698) 78.9%	71739 (15997) 70.6%	469531 (64315) 87.8%	2973293 (365484) 98.4%	3514563 (357695) 96.1%
ALL	94855 (4853) 21.1%	26637 (1703) 53.3%	7691 (445) 81.5%	129183 (5205) 25.4%	2950278 (134609) 26.6%	5550588 (380495) 56.3%	10977053 (470377) 88.0%	19477919 (648676) 58.3%

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

FIGURE III - 92
PRE-PLACEMENT EXAMS REQUIRED FOR ALL OR SELECTED EMPLOYEES
(NOES 1981-1989)

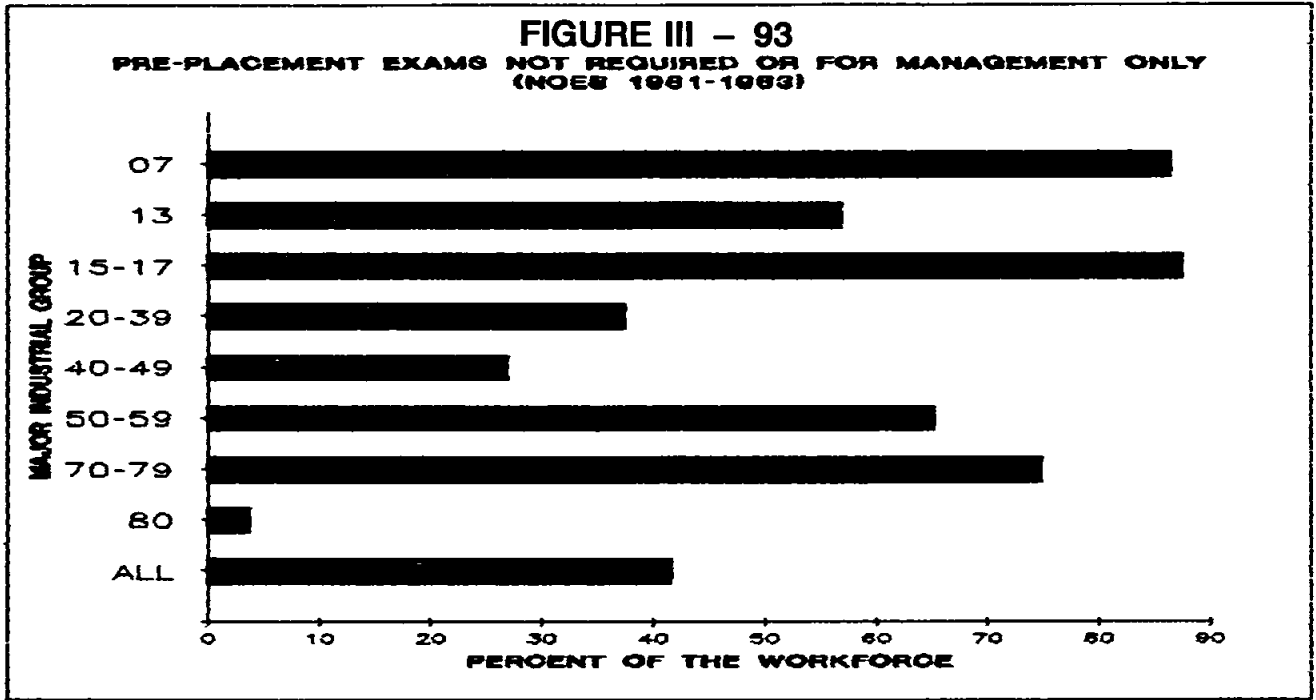


NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH REQUIRE A MEDICAL EXAMINATION BEFORE HIRING OR PLACEMENT

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
07	313* (253) 5.6%	...	...	313* (253) 5.6%	14788* (13853) 14.3%	...	...	14788* (13853) 13.4%
13	2747* (840) 31.9%	427* (258) 41.9%	46* (52) 100.0%	3219* (960) 33.3%	63544* (22115) 30.4%	83281* (35324) 47.9%	31383* (35291) 100.0%	178208* (67779) 43.0%
15	846* (498) 3.4%	338* (210) 30.6%	59* (94) 43.6%	1244* (559) 4.8%	12074* (6630) 2.1%	41414* (25520) 20.9%	39479* (62825) 29.3%	92967* (67814) 10.4%
16	1225* (637) 10.9%	344* (222) 30.7%	54* (48) 50.5%	1622* (687) 13.0%	26980* (12434) 9.5%	60668* (43429) 29.2%	52126* (34529) 51.5%	139773* (57365) 23.6%
17	4108* (1215) 7.1%	100* (71) 5.2%	...	4208* (1208) 7.0%	129435* (42816) 10.3%	15535* (9896) 4.7%	...	144970* (42029) 9.2%
20	4213 (572) 36.9%	2072 (431) 64.4%	346* (110) 61.9%	6630 (776) 43.7%	193111 (23552) 49.7%	474051 (99895) 70.4%	331284* (92619) 67.4%	998446 (99784) 64.3%
21	4* (6) 14.6%	...	54* (34) 68.0%	58* (33) 53.3%	258* (345) 13.8%	...	98088* (66468) 87.5%	98346* (66339) 86.3%
22	333* (146) 11.4%	748 (167) 47.1%	192* (68) 64.2%	1273 (201) 26.4%	15232* (7956) 14.4%	176104 (34203) 50.7%	187924* (90840) 72.0%	379261 (88083) 53.1%
23	139* (105) 1.1%	198* (90) 6.4%	63* (48) 25.9%	400* (123) 2.5%	4610* (3487) 1.1%	47227* (20174) 7.7%	62757* (47716) 30.1%	114594* (45039) 9.2%
24	1743 (404) 16.3%	605* (201) 52.7%	19* (8) 18.1%	2366 (401) 19.8%	83911 (18425) 27.6%	85539* (32696) 46.6%	35767* (18789) 38.7%	205217 (41222) 35.4%
25	875* (335) 21.0%	458 (106) 43.1%	32* (25) 26.7%	1365* (366) 25.5%	26512* (13568) 19.1%	111230 (25632) 43.4%	48937* (30396) 39.8%	186679 (35745) 36.0%
26	1111 (267) 27.0%	1185 (206) 75.6%	136* (65) 63.5%	2432 (366) 41.3%	69399 (13526) 50.4%	215385 (43526) 76.5%	162028* (65914) 78.3%	446812 (84672) 71.4%
27	532* (146) 2.9%	705 (143) 37.7%	184* (80) 58.1%	1420 (229) 7.0%	21854* (5852) 4.6%	156412* (45133) 43.3%	213453* (61018) 61.7%	391719 (84878) 33.1%
28	3752 (450) 60.8%	1025 (139) 88.4%	380 (63) 100.0%	5157 (457) 66.9%	125517 (11426) 69.4%	232426 (38613) 89.1%	476341 (101388) 100.0%	834284 (119347) 90.9%
29	249* (178) 24.6%	293* (125) 100.0%	101* (42) 100.0%	643* (241) 45.8%	17737* (11943) 43.3%	63255* (21394) 100.0%	117545* (70259) 100.0%	198537* (79262) 89.5%
30	1472* (565) 21.9%	764* (234) 49.7%	193* (74) 86.0%	2429* (661) 28.7%	64001* (19908) 28.4%	136640* (45875) 46.4%	216359* (74266) 92.6%	417000 (89613) 55.4%
31	...	33* (35) 5.8%	...	33* (35) 2.1%	...	9755* (10480) 7.2%	...	9755* (10480) 5.5%
32	4070 (1013) 46.3%	813 (138) 80.3%	184* (71) 99.9%	5066 (997) 50.7%	121052 (21334) 51.0%	170980 (32641) 81.8%	128993* (49687) 100.0%	421025 (46935) 73.2%
33	1607 (309) 38.9%	1128 (165) 76.8%	337 (62) 100.0%	3072 (353) 51.7%	80815 (15264) 58.4%	246702 (35819) 79.3%	621499 (82456) 100.0%	949016 (81499) 88.6%

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
34	5203 (868) 28.1%	2077 (168) 66.5%	223* (87) 64.6%	7503 (905) 34.1%	189761 (31273) 34.2%	439656 (31398) 73.7%	257854* (109707) 73.5%	887272 (123688) 59.0%
35	4193 (852) 18.5%	2077 (210) 61.0%	678 (88) 86.4%	6948 (805) 25.9%	168837 (23596) 27.8%	427110 (36689) 64.6%	1023257 (148162) 91.9%	1619205 (136388) 68.0%
36	1201* (429) 16.9%	1243 (208) 46.3%	661 (160) 84.0%	3105 (501) 29.4%	45759* (11854) 19.9%	286685 (41035) 51.9%	1057454 (201918) 89.4%	1389898 (211070) 70.7%
37	845* (314) 21.3%	629 (131) 52.9%	391 (84) 94.0%	1866 (341) 33.4%	34130* (13964) 26.9%	122646 (29682) 51.3%	1483381 (225099) 98.0%	1640157 (231523) 87.2%
38	298* (174) 11.1%	590 (147) 61.6%	358* (118) 86.2%	1246 (237) 30.7%	15056* (8829) 14.4%	107559* (34359) 55.3%	376478* (115179) 81.8%	499092 (118240) 65.7%
39	1132* (383) 17.3%	332* (609) 41.6%	338* (216) 100.0%	1802* (685) 23.4%	35863* (11842) 21.6%	75538* (136540) 50.5%	209369* (120490) 100.0%	320771* (136869) 61.1%
41	2286* (905) 51.7%	412* (154) 80.7%	...	2698* (961) 54.7%	52122* (17623) 44.3%	67320* (33099) 82.6%	...	119442* (41291) 60.0%
42	13042 (1608) 65.1%	1090 (272) 73.5%	75* (46) 91.1%	14207 (1693) 65.8%	340678 (44278) 69.8%	197778* (51904) 76.4%	62234* (31699) 83.2%	600690 (74001) 73.1%
45	657* (293) 20.3%	590* (397) 99.9%	147* (57) 100.0%	1394* (478) 35.1%	23202* (8511) 29.9%	109332* (75829) 100.0%	264255* (77656) 100.0%	396789 (97776) 88.0%
48	2106* (941) 14.3%	819 (162) 90.8%	34* (21) 99.0%	2958* (923) 18.9%	56150* (23059) 13.2%	165695 (37471) 94.0%	70083* (43687) 100.0%	291928 (60376) 43.4%
49	6273* (1577) 76.4%	1613* (531) 86.6%	173* (99) 99.8%	8058 (1779) 78.6%	210647 (51036) 78.2%	392169* (147727) 92.2%	146565* (65566) 100.0%	749381 (175605) 89.1%
50	9125 (1958) 30.1%	877* (269) 48.7%	...	10002 (2065) 31.1%	250084 (52516) 39.7%	129217* (41928) 45.6%	...	379301 (7770) 41.5%
51	5309 (1190) 58.2%	237* (237) 100.0%	...	5546 (1295) 59.3%	100100 (23122) 54.1%	27013* (27013) 100.0%	...	127112* (43996) 59.9%
55	1094* (707) 5.8%	...	...	1094* (707) 5.6%	24687* (20578) 8.0%	...	...	24687* (20578) 6.1%
72	1537* (868) 7.4%	85* (61) 12.6%	...	1622* (855) 7.6%	32064* (17272) 8.4%	11573* (8503) 14.1%	...	43636* (17794) 9.2%
73	3317* (1010) 20.0%	336* (117) 22.6%	186* (120) 54.5%	3839* (1002) 20.9%	74723* (21784) 17.7%	88294* (24191) 25.2%	210856* (111421) 64.1%	373872* (114676) 34.0%
75	4024* (1160) 15.4%	...	...	4024* (1160) 15.3%	96257 (22525) 23.3%	...	...	96257 (22525) 22.8%
76	991* (551) 10.2%	36* (45) 29.4%	...	1028* (542) 10.4%	22524* (10386) 12.6%	12672* (15755) 52.1%	...	35196* (14991) 17.4%
80	1672* (575) 58.9%	1890 (220) 87.2%	2016 (308) 97.8%	5578 (698) 78.9%	71739 (15997) 70.6%	469531 (64315) 87.8%	2973293 (365484) 98.4%	3514563 (357695) 96.1%
A11	93645 (4601) 21.0%	26214 (858) 52.9%	7674 (442) 81.4%	127533 (4519) 25.2%	2915212 (153935) 26.4%	5471998 (169103) 56.0%	10968048 (496563) 88.0%	19355258 (542528) 58.2%

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



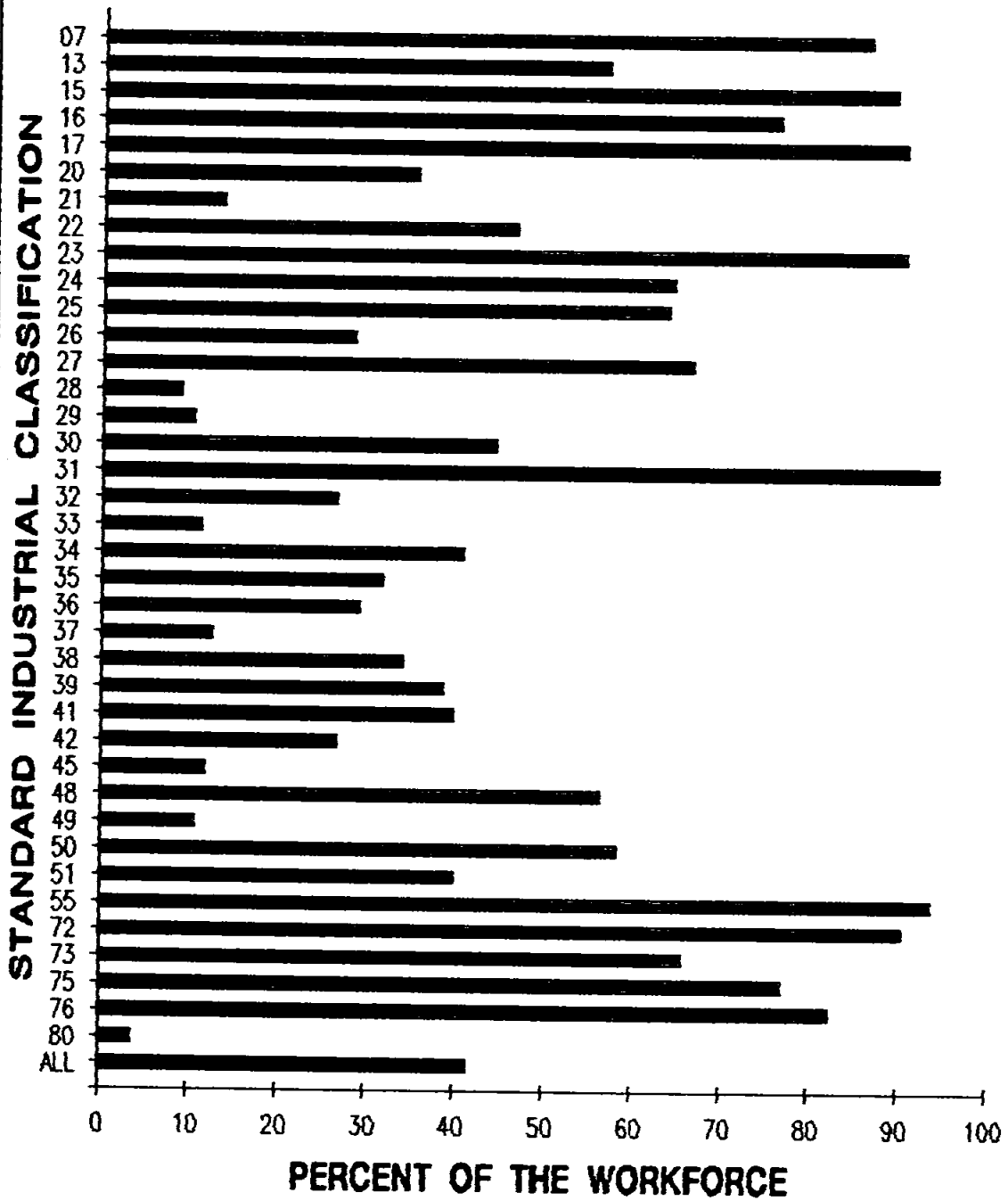
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-79

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
DO NOT REQUIRE PRE-PLACEMENT 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	5250* (1494) 94.4%	70* (67) 100.0%	...	5320* (1476) 94.5%	88895* (24114) 85.7%	7009* (6680) 100.0%	...	95904 (22430) 86.6%
13	5851* (1504) 68.1%	592* (296) 58.1%	...	6443 (1529) 66.7%	145414* (37317) 69.6%	90662* (45272) 52.1%	...	236076 (53300) 57.0%
15-17	88153 (2058) 93.4%	3363 (509) 81.1%	129* (58) 53.5%	91645 (2171) 92.8%	1930404 (41233) 92.0%	619482 (101135) 84.0%	144452* (54097) 61.2%	2694339 (144559) 87.7%
20-39	120271 (3234) 78.5%	14780 (1124) 46.5%	1401 (145) 22.3%	136452 (3606) 71.3%	3302279 (81055) 71.5%	2795914 (185091) 43.8%	1156551 (122016) 14.0%	7254744 (255628) 37.7%
40-49	27577 (2720) 51.9%	850* (278) 14.5%	7* (17) 1.5%	28434 (2832) 47.8%	716004 (99410) 49.9%	126823* (35457) 11.0%	12595* (30665) 2.2%	855423 (105420) 27.1%
50-59	42864 (3464) 73.4%	1545* (594) 58.1%	...	44409 (3720) 72.7%	749503 (64801) 66.7%	252597* (99129) 61.8%	...	1002100 (138345) 65.4%
70-79	63264 (4165) 86.5%	1889 (314) 80.5%	169* (71) 47.6%	65322 (4158) 86.1%	1167607 (71283) 83.8%	351973 (55651) 75.8%	128705* (49626) 37.9%	1648285 (110911) 75.0%
80	1167* (536) 41.1%	277* (149) 12.8%	45* (38) 2.2%	1488* (530) 21.1%	29906* (12599) 29.4%	64954* (32642) 12.2%	49383* (34084) 1.6%	144242* (43099) 3.9%
ALL	354397 (7498) 78.9%	23366 (1472) 46.7%	1751 (176) 18.5%	379514 (7853) 74.6%	8130012 (171946) 73.4%	4309414 (248651) 43.7%	1491686 (149597) 12.0%	13931112 (366058) 41.7%

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

FIGURE III - 94
PRE-PLACEMENT EXAMS NOT REQUIRED OR FOR MANAGEMENT ONLY
(NOES 1981-1983)



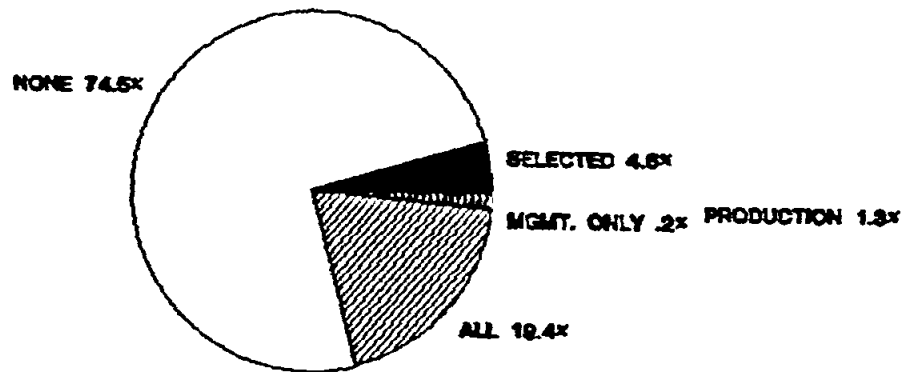
NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH DO NOT REQUIRE PRE-PLACEMENT EXAMINATIONS OR EXAMINE MANAGEMENT ONLY

SIC CODE	PLANTS			TOTAL	EMPLOYEES			TOTAL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)		SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	
07	5250* (1494) 94.4%	70* (67) 100.0%	...	5320* (1476) 94.5%	88895* (24114) 85.7%	7009* (6680) 100.0%	...	95904 (22430) 86.6%
13	5851* (1504) 68.1%	592* (296) 58.1%	...	6443 (1529) 66.7%	145414* (37317) 69.6%	90662* (45272) 52.1%	...	236076 (53300) 57.0%
15	24069 (1793) 96.6%	769* (205) 69.4%	76* (30) 56.4%	24914 (1813) 95.2%	550814 (44394) 97.9%	156804* (45181) 79.1%	95320* (26541) 70.7%	802938 (70326) 89.6%
16	10060 (1425) 89.2%	775* (199) 69.3%	53* (41) 49.7%	10888 (1467) 87.0%	257110 (44000) 90.5%	147091* (42962) 70.8%	49132* (38069) 48.5%	453333 (69003) 76.4%
17	54024 (1565) 92.9%	1819 (411) 94.8%	...	55843 (1669) 93.0%	1122480 (39177) 89.7%	315587* (79783) 95.3%	...	1438067 (99359) 90.8%
20	7199 (789) 63.1%	1144 (212) 35.6%	214* (70) 38.2%	8557 (836) 56.3%	195327 (23420) 50.3%	199730 (38884) 29.6%	160491* (53545) 32.6%	555547 (72882) 35.7%
21	26* (42) 86.5%	...	25* (55) 31.6%	51* (68) 46.7%	1608* (2605) 86.2%	...	14045* (31012) 12.5%	15653* (31032) 13.7%
22	2599 (371) 88.6%	840 (141) 52.9%	107* (54) 35.8%	3546 (370) 73.6%	90800 (8732) 85.6%	170969 (26586) 49.3%	73169* (36471) 28.0%	334938 (44092) 46.9%
23	12374 (826) 98.9%	2905 (185) 93.6%	180* (69) 74.2%	15459 (852) 97.5%	419294 (10562) 98.9%	562695 (32647) 92.3%	145680* (52977) 69.9%	1127670 (65856) 90.8%
24	8969 (695) 83.7%	543* (205) 47.3%	85* (73) 82.1%	9597 (746) 80.2%	219735 (20756) 72.4%	98046* (35984) 53.4%	56588* (48232) 61.3%	374369 (84658) 64.6%
25	3289 (572) 79.0%	604 (117) 56.9%	87* (69) 72.9%	3980 (592) 74.5%	112597 (20533) 80.9%	145213 (28964) 56.6%	74060* (55637) 60.2%	331870 (68350) 64.0%
26	3002 (719) 73.0%	383* (144) 24.4%	78* (42) 36.6%	3463 (682) 58.7%	68255 (13349) 49.6%	66091* (32653) 23.5%	44836* (30230) 21.7%	179182 (42288) 28.6%
27	17586 (1019) 97.1%	1168 (149) 62.3%	133* (66) 42.0%	18887 (992) 93.0%	456278 (14729) 95.4%	204491 (29564) 56.7%	132297* (57403) 38.3%	793065 (69884) 66.9%
28	2421 (425) 39.2%	135* (84) 11.7%	...	2556 (411) 33.1%	55222 (10592) 30.6%	28405* (19247) 10.9%	...	83627 (20426) 9.1%
29	762* (371) 75.3%	...	...	762* (371) 54.2%	23244* (13353) 56.7%	...	...	23244* (13353) 10.5%
30	5239 (1021) 78.1%	773* (232) 50.3%	31* (45) 13.9%	6043 (1133) 71.3%	161004 (23049) 71.6%	157890* (49576) 53.6%	17288* (24821) 7.4%	336181 (73014) 44.6%
31	931* (343) 100.0%	536 (126) 94.2%	25* (24) 100.0%	1492* (375) 97.9%	24888* (7207) 100.0%	125704 (31061) 92.8%	15664* (16901) 100.0%	166256 (35757) 94.5%
32	4728 (990) 53.7%	199* (84) 19.7%	...	4928 (995) 49.3%	116108 (18335) 49.0%	38004* (15264) 18.2%	...	154112 (22841) 26.8%
33	2527 (584) 61.1%	340* (149) 23.2%	...	2867 (621) 48.3%	57653* (16316) 41.6%	64379* (28504) 20.7%	...	122032* (30746) 11.4%

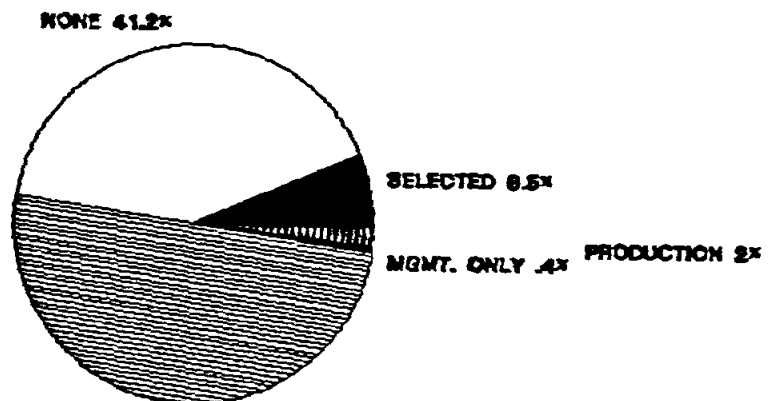
SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	13317 (1309) 71.9%	1045 (221) 33.5%	122* (52) 35.3%	14484 (1321) 65.9%	365124 (34170) 65.8%	157029 (27721) 26.3%	93201* (43769) 26.5%	615354 (65362) 41.0%
35	18457 (1642) 81.5%	1328 (227) 39.0%	106* (63) 13.6%	19892 (1654) 74.1%	437962 (27626) 72.2%	234010 (36685) 35.4%	89676* (55870) 8.1%	761648 (66156) 32.0%
36	5904 (532) 83.1%	1442 (207) 53.7%	126* (68) 16.0%	7472 (526) 70.6%	184729 (15757) 80.1%	265977 (41013) 48.1%	125008* (60534) 10.6%	575714 (73337) 29.3%
37	3128* (805) 78.7%	561* (156) 47.2%	25* (30) 5.9%	3714 (835) 66.6%	92892 (17633) 73.1%	116538* (35028) 48.7%	30627* (29112) 2.0%	240057 (40128) 12.8%
38	2391 (541) 88.9%	367* (124) 38.3%	57* (54) 13.8%	2815 (549) 69.3%	89547 (13413) 85.6%	86834* (34419) 44.7%	83920* (60271) 18.2%	260301* (65850) 34.3%
39	5422 (762) 82.7%	466* (920) 58.3%	...	5888 (1209) 76.6%	130014 (16315) 78.4%	73911* (146692) 49.5%	...	203924* (152448) 38.9%
41	2134 (495) 48.3%	98* (85) 19.2%	...	2232 (546) 45.3%	65511* (21045) 55.7%	14221* (12254) 17.4%	...	79732* (29325) 40.0%
42	6984 (1089) 34.9%	392* (162) 26.5%	7* (17) 8.4%	7384 (1082) 34.2%	147125 (20717) 30.2%	61044* (19466) 23.6%	12595* (30665) 16.8%	220764 (23875) 26.9%
45	2584* (782) 79.7%	...	...	2584* (782) 65.0%	54294* (21107) 70.1%	...	...	54294* (21107) 12.0%
48	12596 (2066) 85.7%	83* (70) 9.2%	...	12679 (2086) 81.1%	369608 (80714) 86.8%	10627* (8916) 6.0%	...	380235 (82674) 56.6%
49	1943* (685) 23.6%	249* (177) 13.4%	...	2192* (732) 21.4%	58723* (20933) 21.8%	33300* (23040) 7.8%	...	92024* (33863) 10.9%
50	21224 (1402) 69.9%	925* (356) 51.4%	...	22150 (1435) 68.9%	380221 (39671) 60.3%	154022* (63812) 54.4%	...	534242 (81568) 58.5%
51	3805* (1293) 41.8%	...	...	3805* (1293) 40.7%	84925* (35355) 45.9%	...	...	84925* (35355) 40.1%
55	17834 (2975) 94.2%	620* (491) 99.9%	...	18454 (3177) 94.4%	284358 (50077) 92.0%	98575* (80174) 100.0%	...	382933* (106887) 93.9%
72	19093 (2493) 92.6%	590* (176) 87.5%	13* (19) 100.0%	19696 (2549) 92.4%	347956 (53082) 91.6%	70647* (22245) 85.9%	10670* (15114) 100.0%	429274 (68726) 90.8%
73	13257 (1616) 80.0%	1153 (209) 77.4%	155* (60) 45.5%	14565 (1519) 79.1%	346724 (37242) 82.3%	261419 (45784) 74.8%	118034* (41548) 35.9%	726178 (60309) 66.0%
75	22155 (3544) 84.6%	59* (60) 99.7%	...	22214 (3551) 84.7%	317019 (55858) 76.7%	8238* (8380) 100.0%	...	325257 (56751) 77.2%
76	8759* (2201) 89.8%	87* (78) 70.8%	...	8847 (2206) 89.6%	155908 (29576) 87.4%	11669* (10488) 47.9%	...	167577 (32712) 82.6%
80	1167* (536) 41.1%	277* (149) 12.8%	45* (38) 2.2%	1488* (530) 21.1%	29906* (12599) 29.4%	64954* (32642) 12.2%	49383* (34084) 1.6%	144242* (43099) 3.9%
All	353060 (7662) 79.0%	23339 (833) 47.1%	1751 (212) 18.6%	378150 (7718) 74.8%	8109269 (160134) 73.6%	4301784 (157557) 44.0%	1491686 (158892) 12.0%	13902738 (219360) 41.8%

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

FIGURE III - 95
PROVISION OF PRE-PLACEMENT EXAMINATIONS
(NOES 1981-1983)



PLANTS



WORKERS

**NOES QUESTIONNAIRE ITEM NO. 24
Recording of Health Information On New Employees**

Intent

The intent of this question was to determine if the facility recorded health information on new employees on some regular form.

This item was displayed on the questionnaire as:

Do you record health information about a new employee on some regular form?

1

2

3

4

5

Notes

Health information refers to any data on employee health, ranging from the results of a complete physical to a simple verbal interview regarding the worker's health, so long as the results are recorded and kept on file.

Acceptable health information may be derived from pre-employment physicals, medical histories, interviews, and from data on existing physical defects.

Information from physiological tests was excluded as a positive response when obtained for other than health reasons.

A regular form is any standardized documentation which is retained in the employee's file or as part of his or her medical history.

Any written record was regarded as a positive response to the question as long as the recording process was consistent for the designated employee group.

Analysis

Three analyses of the responses to question 24 are presented.

- (1) Response 24.2, 24.4, or 24.5 - Recording of health information on all, production, or selected workers

The estimates of the plants which record and store health information on all workers, production workers, or selected workers, and workers in those plants (by number and proportion of the totals) are displayed in Figures III-96 and III-97, and Tables III-81 and III-82.

Figure III-96 Health information recorded on all or selected new workers (by major industrial group)

- Figure III-97** Health information recorded on all or selected new workers (by 2-digit SIC)
- Table III-81** Number and percent of plants and employees in plants which record health information on all or selected workers (by major industrial group)
- Table III-82** Number and percent of plants and employees in plants which record health information on all or selected workers (by 2-digit SIC)

(2) Response 24.1 or 24.3 - Health information not recorded, or recorded for management personnel only

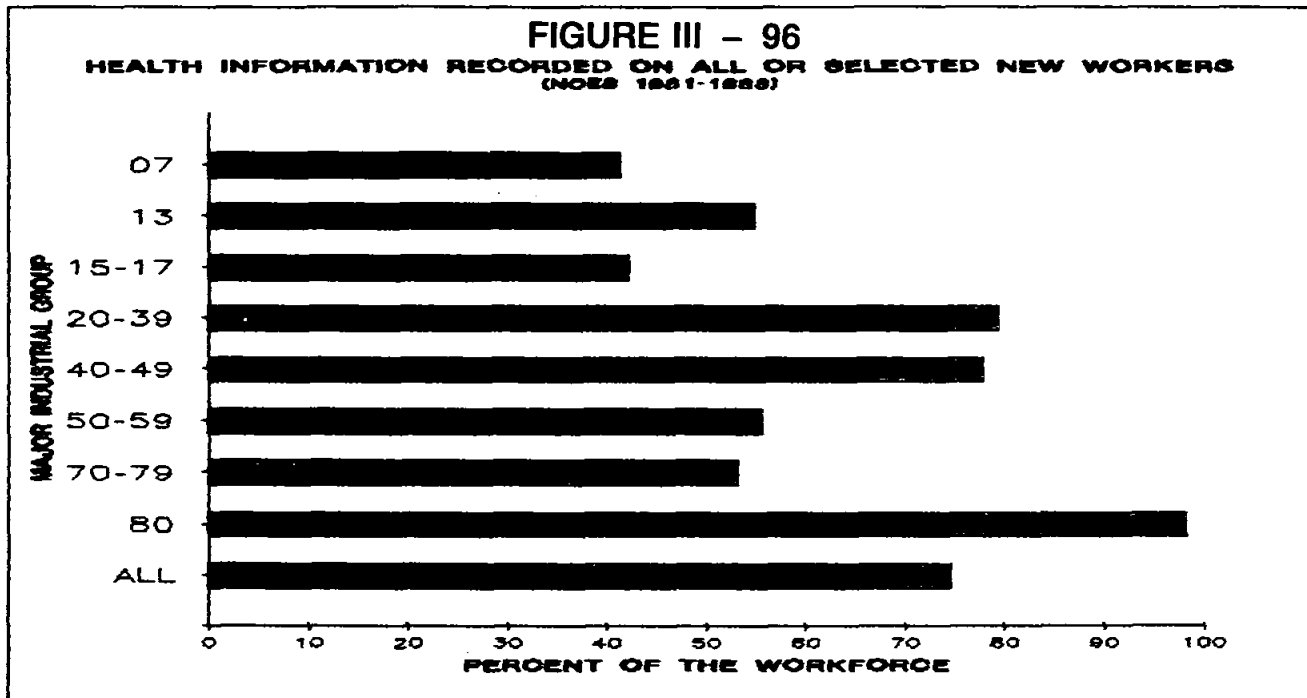
The estimates of the plants which either do not record health information, or record it for management personnel only, and the workers in those plants (by number and proportion of the totals) are displayed in Figures III-98 and III-99, and Tables III-83 and III-84.

- Figure III-98** Health information not recorded or for management only (by major industrial group)
- Figure III-99** Health information not recorded or for management only (by 2-digit SIC)
- Table III-83** Number and percent of plants and employees in plants which do not record health information or do so only for management (by major industrial group)
- Table III-84** Number and percent of plants and employees in plants which do not record health information or do so only for management (by 2-digit SIC)

(3) Response 24.1, 24.2, 24.3, 24.4, or 24.5 - Recording of health information

The estimated proportions of plants and workers in those plants corresponding to each of the five possible responses to the health information inquiry are displayed in Figure III-100.

- Figure III-100** Recording of health information on new workers



NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-81

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
 RECORD HEALTH INFORMATION ON 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	1749* (780) 31.4%	70* (67) 100.0%	...	1819* (756) 32.3%	39015* (15502) 37.6%	7009* (6680) 100.0%	...	46024* (13435) 41.6%
13	4947* (1254) 57.5%	483* (262) 47.4%	46* (52) 100.0%	5475* (1377) 56.7%	103862 (23498) 49.7%	93056* (36604) 53.5%	31383* (35291) 100.0%	228301* (74371) 55.1%
15-17	33768 (3468) 35.8%	1781 (428) 43.0%	180* (132) 74.3%	35729 (3324) 36.2%	809458 (58383) 38.6%	324657 (78376) 44.0%	167205* (98545) 70.8%	1301321 (107709) 42.4%
20-39	78198 (3643) 51.0%	24312 (1626) 76.6%	5383 (251) 85.9%	107893 (4374) 56.4%	2627712 (80923) 56.9%	5045480 (334591) 79.1%	7677651 (330261) 92.9%	15350843 (615437) 79.7%
40-49	32125 (3021) 60.4%	5049 (860) 86.4%	432* (139) 92.3%	37605 (3409) 63.2%	937298 (99740) 65.4%	999344 (185121) 86.6%	532947 (100033) 92.9%	2469589 (259376) 78.1%
50-59	29964 (2972) 51.3%	1499* (401) 56.4%	...	31463 (2978) 51.5%	642390 (62526) 57.1%	215289* (56811) 52.7%	...	857679 (86305) 55.9%
70-79	30355 (3429) 41.5%	1226 (212) 52.3%	239* (139) 67.5%	31820 (3364) 42.0%	646488 (65405) 46.4%	265610 (44864) 57.2%	260525* (123976) 76.7%	1172623 (127525) 53.4%
80	1606* (537) 56.6%	2166 (282) 100.0%	2028 (301) 98.4%	5801 (543) 82.1%	75563* (20801) 74.3%	534485 (79054) 100.0%	2992553 (354376) 99.0%	3602600 (345549) 98.5%
ALL	212710 (7582) 47.3%	36585 (1981) 73.2%	8308 (461) 88.0%	257604 (8047) 50.6%	5881786 (171224) 53.1%	7484930 (406494) 75.9%	11662264 (520565) 93.5%	25028980 (778760) 74.9%

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

NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-82

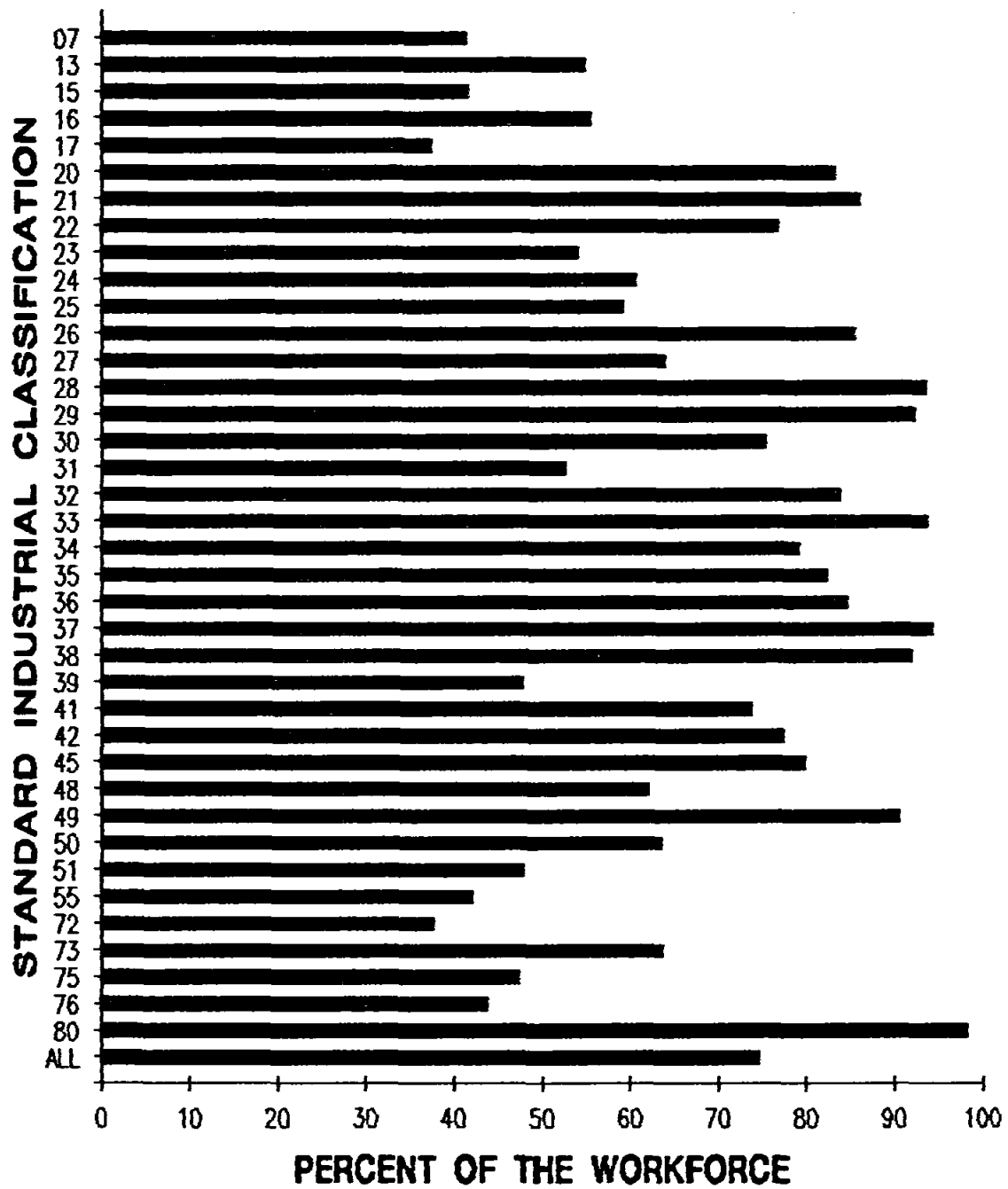
NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH RECORD HEALTH INFORMATION ON ALL OR SELECTED WORKERS

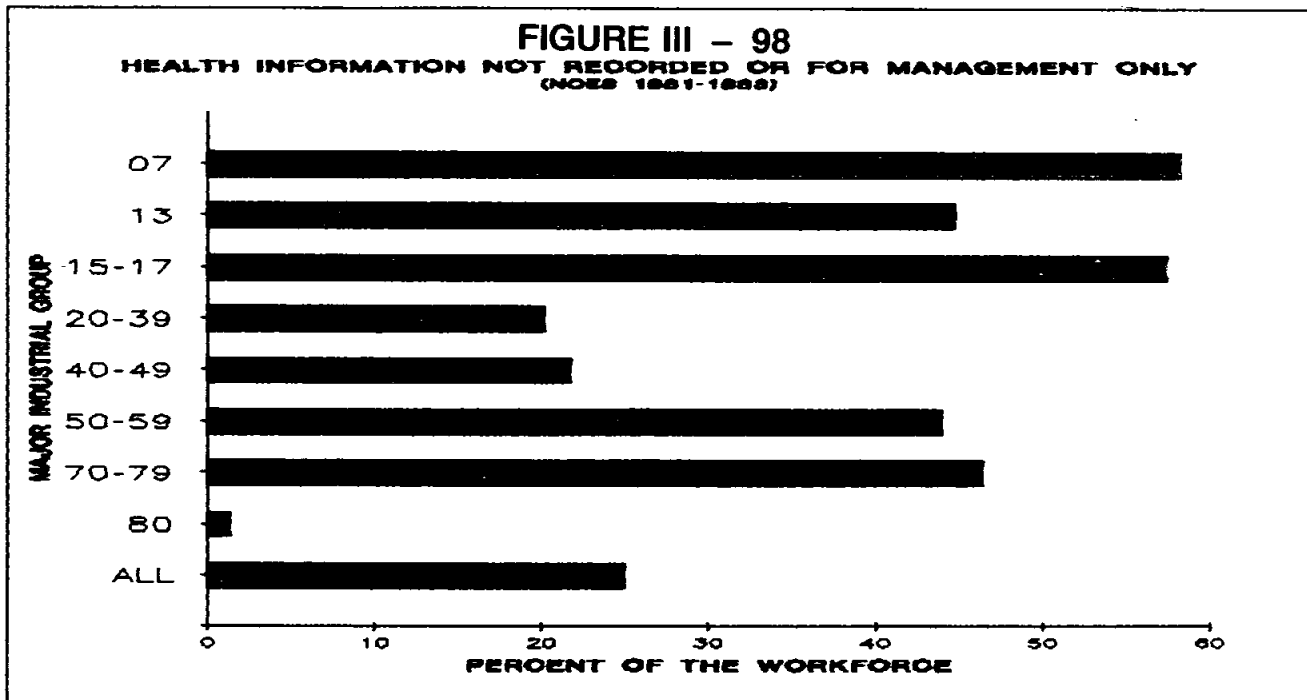
SIC CODE	PLANTS			TOTAL	EMPLOYEES			TOTAL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)		SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	
07	1749* (780) 31.4%	70* (67) 100.0%	---	1819* (756) 32.3%	39015* (15502) 37.6%	7009* (6680) 100.0%	---	46024* (13435) 41.6%
13	4947* (1254) 57.5%	483* (262) 47.4%	46* (52) 100.0%	5475* (1377) 56.7%	103862 (23498) 49.7%	93056* (36604) 53.5%	31383* (35291) 100.0%	228301* (74371) 55.1%
15	9719 (1326) 39.0%	507* (209) 45.8%	91* (100) 67.6%	10318 (1333) 39.4%	202861 (32522) 36.0%	83988* (31175) 42.4%	87365* (75582) 64.8%	374213 (82181) 41.8%
16	5277 (1041) 46.8%	564* (186) 50.4%	88* (65) 82.7%	5929 (1048) 47.4%	144771 (29032) 51.0%	105741* (39227) 50.9%	79840* (49834) 78.8%	330353 (74272) 55.7%
17	18772 (2441) 32.3%	710* (325) 37.0%	---	19482 (2468) 32.4%	461827 (49949) 36.9%	134928* (65680) 40.7%	---	596755 (76885) 37.7%
20	6780 (854) 59.4%	2458 (446) 76.4%	559 (121) 100.0%	9798 (1004) 64.5%	254578 (21819) 65.5%	550035 (107909) 81.6%	491775 (104930) 100.0%	1296388 (115406) 83.4%
21	4* (6) 14.6%	---	54* (34) 68.0%	58* (33) 53.3%	258* (345) 13.8%	---	98088* (66468) 87.5%	98346* (66339) 86.3%
22	1538 (335) 52.5%	1207 (199) 76.0%	237* (89) 79.4%	2983 (398) 61.9%	53132 (10110) 50.1%	275522 (37992) 79.4%	221425* (101816) 84.8%	550079 (97030) 77.0%
23	3563 (522) 28.5%	1977 (213) 63.7%	127* (68) 52.3%	5667 (567) 35.7%	130666 (19045) 30.8%	405862 (50987) 66.5%	137860* (66849) 66.1%	674388 (85909) 54.3%
24	4483 (619) 41.9%	926 (130) 80.7%	19* (8) 18.1%	5428 (614) 45.4%	175920 (24530) 57.9%	141279 (20341) 77.0%	35767* (18789) 38.7%	352966 (38395) 60.9%
25	1542 (280) 37.0%	755 (178) 71.1%	47* (33) 39.9%	2344 (353) 43.9%	55497 (10186) 39.9%	186245* (48953) 72.6%	66155* (34507) 53.8%	307897 (63531) 59.4%
26	3400 (673) 82.7%	1373 (223) 87.5%	170* (83) 79.4%	4943 (687) 83.8%	112583 (15326) 81.8%	239448 (43361) 85.1%	184036* (67815) 89.0%	536067 (73667) 85.6%
27	7349 (1118) 40.6%	1183 (173) 63.2%	298* (115) 94.2%	8830 (1128) 43.5%	200444 (26461) 41.9%	233214 (44494) 64.6%	326596* (82467) 94.5%	760253 (102178) 64.2%
28	3899 (553) 63.2%	1116 (110) 96.2%	380 (63) 100.0%	5395 (546) 69.9%	128545 (10997) 71.1%	255912 (30212) 98.1%	476341 (101388) 100.0%	860798 (105159) 93.8%
29	318* (203) 31.4%	293* (125) 100.0%	101* (42) 100.0%	712* (263) 50.7%	24252* (15059) 59.2%	63255* (21394) 100.0%	117545* (70259) 100.0%	205052* (80991) 92.5%
30	3819* (1082) 56.9%	1106* (317) 72.0%	211* (69) 94.2%	5136 (1218) 60.6%	136336 (27565) 60.6%	207194* (58842) 70.3%	225743* (70339) 96.6%	569272 (92520) 75.6%
31	97* (60) 10.4%	321* (91) 56.3%	25* (24) 100.0%	442* (123) 29.0%	3879* (2392) 15.6%	73354* (22967) 54.2%	15664* (16901) 100.0%	92897* (28706) 52.8%
32	5183 (832) 58.9%	926 (146) 91.5%	184* (71) 99.9%	6292 (865) 63.0%	161769 (14264) 68.2%	192314 (33123) 92.0%	128993* (49687) 100.0%	483076 (45016) 84.0%
33	2829 (466) 68.4%	1300 (160) 88.6%	337 (62) 100.0%	4466 (479) 75.2%	97756 (13299) 70.6%	287114 (32684) 92.3%	621499 (82456) 100.0%	1006369 (85600) 94.0%

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	11589 (1211) 62.6%	2392 (187) 76.6%	305* (85) 88.0%	14286 (1195) 65.0%	371057 (27036) 66.9%	496626 (36504) 83.2%	324545* (104665) 92.4%	1192228 (108504) 79.3%
35	10962 (1093) 48.4%	2649 (176) 77.8%	760 (86) 96.9%	14371 (1083) 53.5%	350824 (23527) 57.8%	521715 (32582) 78.9%	1094211 (152021) 98.3%	1966750 (146990) 82.6%
36	2891 (493) 40.7%	2027 (158) 75.5%	712 (167) 90.5%	5630 (569) 53.2%	115784 (15348) 50.2%	445710 (26124) 80.6%	1107363 (194406) 93.6%	1668858 (202497) 84.9%
37	2473 (564) 62.2%	916 (137) 76.9%	416 (92) 99.9%	3804 (530) 68.2%	84790 (19878) 66.8%	177783 (42042) 74.3%	1514008 (247233) 100.0%	1776581 (253442) 94.5%
38	1643 (354) 61.1%	884 (97) 92.4%	406* (136) 97.6%	2933 (437) 72.2%	66788 (12455) 63.9%	183646 (22429) 94.5%	450039* (127797) 97.8%	700474 (138860) 92.2%
39	3835 (660) 58.5%	501* (933) 62.8%	36* (26) 10.7%	4372* (1301) 56.9%	102855 (16896) 62.0%	109251* (206294) 73.1%	39998* (24337) 19.1%	252104* (212211) 48.0%
41	3269 (804) 74.0%	412* (154) 80.7%	...	3681 (822) 74.7%	80116 (19828) 68.1%	67320* (33099) 82.6%	...	147437 (35798) 74.0%
42	13922 (2000) 69.5%	1203* (303) 81.2%	65* (52) 79.5%	15190 (2078) 70.4%	366017 (51422) 75.0%	217380* (58062) 84.0%	53895* (35255) 72.0%	637292 (82063) 77.6%
45	1495* (498) 46.1%	471* (334) 79.9%	147* (57) 100.0%	2114* (628) 53.1%	35099* (12134) 45.3%	61827* (44248) 56.5%	264255* (77656) 100.0%	361181 (82904) 80.1%
48	5035* (1380) 34.2%	819 (162) 90.8%	34* (21) 99.0%	5888 (1396) 37.7%	182728* (58542) 42.9%	165695 (37471) 94.0%	70083* (43687) 100.0%	418507 (84259) 62.3%
49	6741* (1730) 82.1%	1699* (556) 91.2%	153* (100) 88.3%	8593 (1960) 83.8%	231608 (57214) 86.0%	404704* (151048) 95.1%	126704* (65426) 86.4%	763016 (185196) 90.7%
50	15406 (1979) 50.8%	1499* (401) 83.2%	...	16905 (2032) 52.6%	367910 (58790) 58.4%	215289* (56811) 76.0%	...	583199 (90702) 63.8%
51	4733 (901) 51.9%	...	...	4733 (901) 50.6%	102236 (23822) 55.3%	...	...	102236 (23822) 48.2%
55	9825 (2073) 51.9%	...	...	9825 (2073) 50.3%	172244 (42770) 55.7%	...	...	172244 (42770) 42.3%
72	6730 (1599) 32.6%	217* (101) 32.2%	13* (19) 100.0%	6961 (1584) 32.7%	136071 (28338) 35.8%	32354* (16330) 39.4%	10670* (15114) 100.0%	179095 (32377) 37.9%
73	8824 (1702) 53.2%	973 (171) 65.3%	226* (134) 66.1%	10022 (1745) 54.5%	232920 (45495) 55.3%	220583 (35668) 63.1%	249854* (119480) 76.0%	703358 (129321) 63.9%
75	11132* (2874) 42.5%	...	...	11132* (2874) 42.4%	200771 (49372) 48.6%	...	...	200771 (49372) 47.6%
76	3669 (916) 37.6%	36* (45) 29.4%	...	3705 (925) 37.5%	76726 (17012) 43.0%	12672* (15755) 52.1%	...	89398* (23164) 44.1%
80	1606* (537) 56.6%	2166 (282) 100.0%	2028 (301) 98.4%	5801 (543) 82.1%	75563* (20801) 74.3%	534485 (79054) 100.0%	2992553 (354376) 99.0%	3602600 (345549) 98.5%
All	211049 (8436) 47.2%	36188 (1170) 73.0%	8292 (577) 88.0%	255528 (8900) 50.5%	5840057 (170912) 53.0%	7418119 (221155) 75.9%	11653259 (563572) 93.5%	24911435 (760386) 74.9%

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

FIGURE III - 97
HEALTH INFORMATION RECORDED ON ALL OR SELECTED NEW WORKERS
(NOES 1981-1989)





NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-83

**NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
DO NOT RECORD HEALTH INFORMATION OR DO SO ONLY FOR MANAGEMENT**

MAJOR GROUP	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	3814* (1046) 68.6%	...	...	3814* (1046) 67.7%	64667* (22212) 62.4%	...	...	64667* (22212) 58.4%
13	3651* (943) 42.5%	536* (286) 52.6%	...	4187 (946) 43.3%	105096 (26142) 50.3%	80887* (43624) 46.5%	...	185983 (46245) 44.9%
15-17	60564 (3144) 64.2%	2364 (380) 57.0%	63* (26) 25.9%	62991 (3142) 63.8%	1289434 (54091) 61.4%	412443 (69497) 56.0%	68852* (30934) 29.2%	1770728 (102516) 57.6%
20-39	75045 (3158) 49.0%	7443 (905) 23.4%	886* (272) 14.1%	83374 (3604) 43.6%	1987983 (72581) 43.1%	1335333 (143906) 20.9%	587669* (156006) 7.1%	3910985 (223383) 20.3%
40-49	21027 (2223) 39.6%	795* (308) 13.6%	36* (26) 7.7%	21859 (2360) 36.8%	496571 (68869) 34.6%	153970* (62624) 13.4%	40796* (35328) 7.1%	691337 (104312) 21.9%
50-59	28428 (2290) 48.7%	1160* (610) 43.6%	...	29588 (2437) 48.5%	481985 (58292) 42.9%	193537* (99337) 47.3%	...	675522 (123755) 44.1%
70-79	42779 (3783) 58.5%	1120 (235) 47.8%	115* (55) 32.6%	44015 (3753) 58.0%	746686 (50368) 53.6%	198902 (38379) 42.8%	79036* (33382) 23.3%	1024624 (73028) 46.6%
80	1233* (549) 43.4%	...	33* (32) 1.6%	1266* (547) 17.9%	26082* (10927) 25.7%	...	30123* (28846) 1.0%	56205* (30309) 1.5%
ALL	236542 (6830) 52.7%	13418 (1252) 26.8%	1134 (281) 12.0%	251093 (7124) 49.4%	5198504 (142013) 46.9%	2375072 (206650) 24.1%	806475 (168788) 6.5%	8380051 (309014) 25.1%

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

FIGURE III - 99
HEALTH INFORMATION NOT RECORDED OR FOR MANAGEMENT ONLY
(NOES 1981-1983)

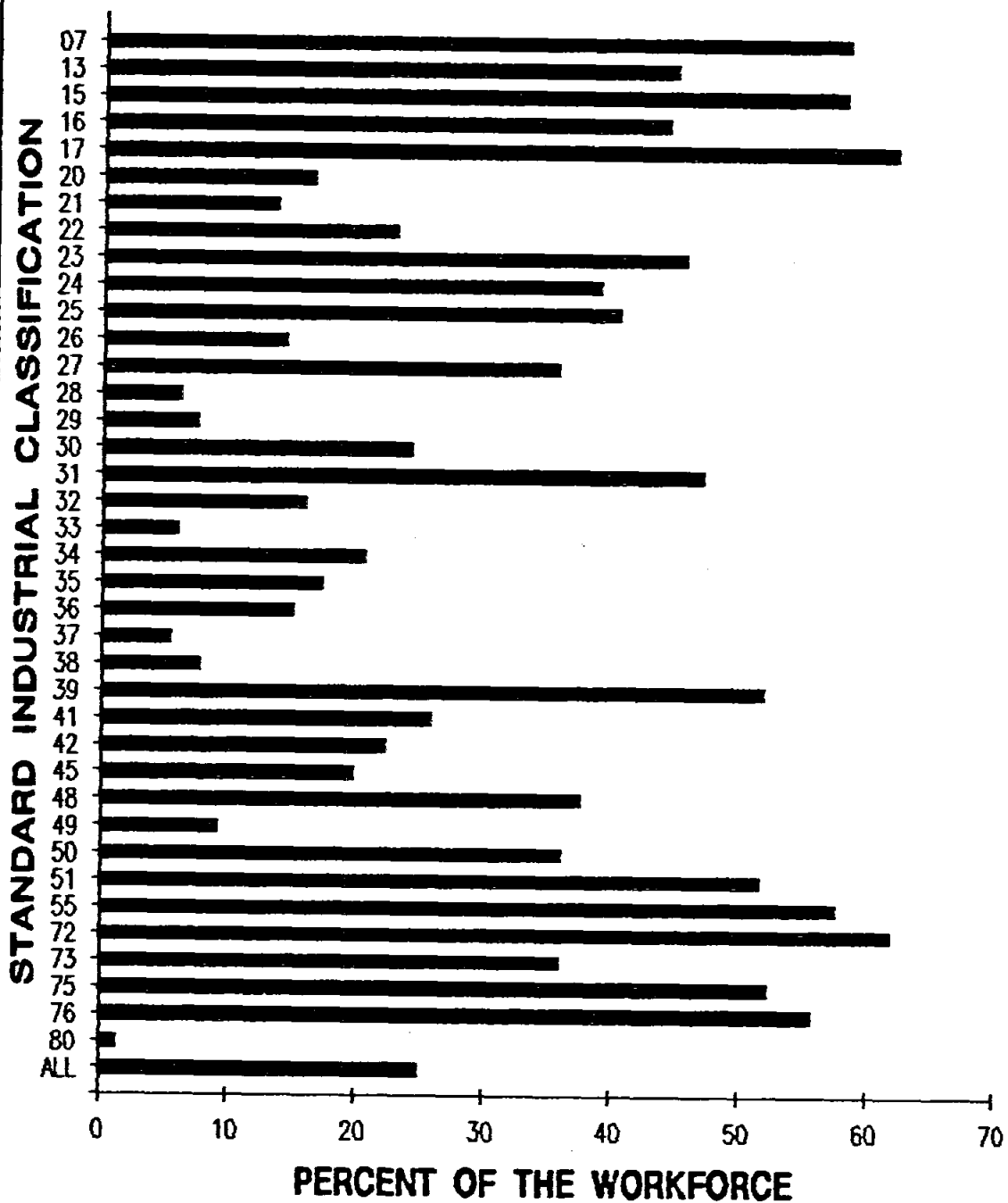
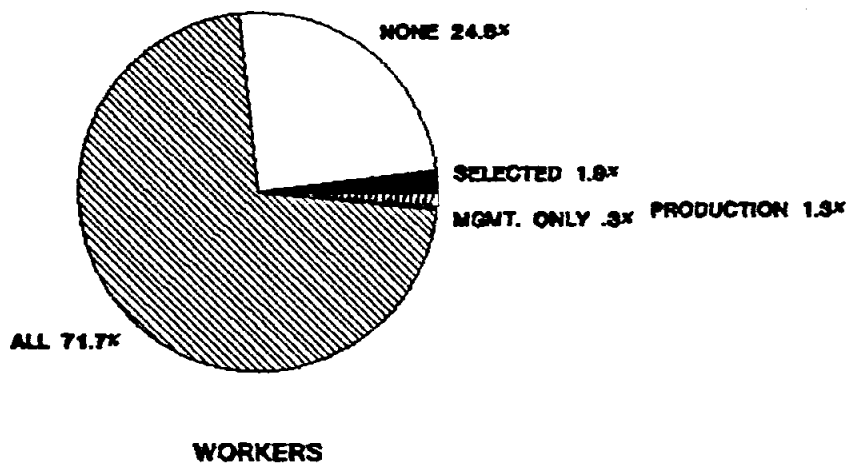
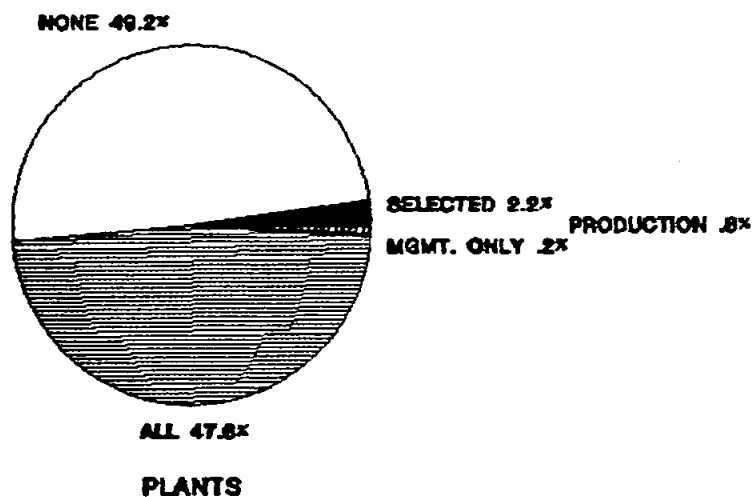


FIGURE III - 100
RECORDING OF HEALTH INFORMATION ON NEW WORKERS
(NOES 1981-1983)



NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH DO NOT RECORD HEALTH INFORMATION OR DO SO ONLY FOR MANAGEMENT

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
07	3814* (1046) 68.6%	...	...	3814* (1046) 67.7%	64667* (22212) 62.4%	...	...	64667* (22212) 58.4%
13	3651* (943) 42.5%	536* (286) 52.6%	...	4187 (946) 43.3%	105096 (26142) 50.3%	80887* (43624) 46.5%	...	185983 (46245) 44.9%
15	15197 (1661) 61.0%	600* (207) 54.2%	44* (25) 32.5%	15840 (1683) 60.6%	360027 (42089) 64.0%	114230* (40414) 57.6%	47434* (26853) 35.2%	521692 (63240) 58.2%
16	6007 (1134) 53.2%	555* (161) 49.6%	19* (18) 17.5%	6581 (1151) 52.6%	139318 (30436) 49.0%	102018* (35492) 49.1%	21418* (20949) 21.2%	262754 (49814) 44.3%
17	39361 (2475) 67.7%	1209 (261) 63.0%	...	40569 (2480) 67.6%	790089 (51429) 63.1%	196194 (42237) 59.3%	...	986283 (73331) 62.3%
20	4632 (606) 40.6%	757* (208) 23.5%	...	5389 (635) 35.5%	133860 (20735) 34.5%	123745* (31973) 18.4%	...	257605 (33356) 16.6%
21	26* (42) 86.5%	...	25* (55) 31.6%	51* (68) 46.7%	1608* (2605) 86.2%	...	14045* (31012) 12.5%	15653* (31032) 13.7%
22	1394 (287) 47.5%	381* (142) 24.0%	61* (62) 20.5%	1836 (358) 38.1%	52901 (9876) 49.9%	71551* (25383) 20.6%	39668* (41674) 15.2%	164120* (55658) 23.0%
23	8950 (920) 71.5%	1125 (230) 36.3%	116* (56) 47.9%	10191 (991) 64.3%	293238 (19227) 69.2%	204060 (44913) 33.5%	70577* (35240) 33.9%	567875 (64889) 45.7%
24	6228 (909) 58.1%	221* (130) 19.3%	85* (73) 82.1%	6535 (929) 54.6%	127727 (19998) 42.1%	42306* (23681) 23.0%	56588* (48232) 61.3%	226620 (55303) 39.1%
25	2623 (495) 63.0%	306* (122) 28.9%	71* (70) 59.7%	3000 (568) 56.1%	83612 (15773) 60.1%	70197* (35398) 27.4%	56843* (56040) 46.2%	210653* (69037) 40.6%
26	713* (434) 17.3%	196* (116) 12.5%	44* (37) 20.7%	953* (418) 16.2%	25070* (13278) 18.2%	42028* (30950) 14.9%	22829* (18998) 11.0%	89927* (35577) 14.4%
27	10769 (1177) 59.4%	690 (152) 36.8%	19* (25) 5.9%	11477 (1168) 56.5%	277688 (28534) 58.1%	127689* (32178) 35.4%	19154* (25677) 5.5%	424530 (58130) 35.8%
28	2273 (473) 36.8%	45* (51) 3.9%	...	2318 (482) 30.1%	52194 (9497) 28.9%	4919* (5595) 1.9%	...	57113 (11811) 6.2%
29	693* (356) 68.6%	...	...	693* (356) 49.3%	16728* (9217) 40.8%	...	...	16728* (9217) 7.5%
30	2892 (678) 43.1%	431* (141) 28.0%	13* (16) 5.7%	3335 (691) 39.4%	88668 (19348) 39.4%	87336* (37096) 29.7%	7904* (9778) 3.4%	183908 (41690) 24.4%
31	834* (338) 89.6%	248* (95) 43.7%	...	1083* (367) 71.0%	21009* (7113) 84.4%	62105* (24187) 45.8%	...	83114* (27312) 47.2%
32	3615 (886) 41.1%	87* (50) 8.6%	...	3702 (902) 37.0%	75391 (14985) 31.8%	16670* (11996) 8.0%	...	92061 (22603) 16.0%
33	1305* (428) 31.6%	168* (119) 11.4%	...	1473* (466) 24.8%	40712 (9397) 29.4%	23967* (18025) 7.7%	...	64679* (20436) 6.0%

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	6931 (1008) 37.4%	729* (231) 23.4%	41* (33) 11.8%	7702 (1054) 35.0%	183829 (27509) 33.1%	100059* (26528) 16.8%	26510* (21189) 7.6%	310398 (40156) 20.7%
35	11688 (1264) 51.6%	756 (168) 22.2%	24* (25) 3.1%	12468 (1271) 46.5%	255976 (25042) 42.2%	139405 (32576) 21.1%	18722* (19692) 1.7%	414103 (40541) 17.4%
36	4213 (695) 59.3%	658* (165) 24.5%	75* (41) 9.6%	4946 (695) 46.8%	114704 (13579) 49.8%	106952 (26089) 19.4%	75099* (36930) 6.4%	296754 (38342) 15.1%
37	1500* (575) 37.8%	275* (146) 23.1%	...	1775* (600) 31.8%	42232* (12426) 33.2%	61401* (35187) 25.7%	...	103633* (34241) 5.5%
38	1046* (443) 38.9%	72* (40) 7.6%	10* (16) 2.4%	1128* (443) 27.8%	37814* (12600) 36.2%	10747* (5910) 5.5%	10358* (16947) 2.2%	58919* (18481) 7.8%
39	2718* (723) 41.5%	297* (618) 37.2%	302* (226) 89.3%	3317* (846) 43.1%	63022 (15623) 38.0%	40198* (81212) 26.9%	169372* (127002) 80.9%	272592* (148241) 52.0%
41	1151* (577) 26.0%	98* (85) 19.2%	...	1249* (609) 25.3%	37516* (19565) 31.9%	14221* (12254) 17.4%	...	51738* (26577) 26.0%
42	6105 (977) 30.5%	279* (166) 18.8%	16* (16) 20.0%	6400 (989) 29.6%	121786 (20612) 25.0%	41442* (23686) 16.0%	20935* (28848) 28.0%	184163 (20390) 22.4%
45	1746* (657) 53.9%	118* (118) 20.0%	...	1864* (666) 46.9%	42398* (19968) 54.7%	47505* (47505) 43.5%	...	89903* (53390) 19.9%
48	9666 (1686) 65.7%	83* (70) 9.2%	...	9749 (1693) 62.3%	243030 (49079) 57.1%	10627* (8916) 6.0%	...	253656 (50315) 37.7%
49	1474* (623) 17.9%	164* (165) 8.8%	20* (23) 11.5%	1658* (670) 16.2%	37762* (17253) 14.0%	20766* (20968) 4.9%	19861* (23289) 13.6%	78388* (37277) 9.3%
50	14943 (1610) 49.2%	303* (174) 16.8%	...	15246 (1667) 47.4%	262395 (37959) 41.6%	67950* (45659) 24.0%	...	330345 (66635) 36.2%
51	4381* (1161) 48.1%	237* (237) 100.0%	...	4618 (1118) 49.4%	82789* (32512) 44.7%	27013* (27013) 100.0%	...	109802* (40941) 51.8%
55	9104 (1848) 48.1%	620* (491) 99.9%	...	9723 (1960) 49.7%	136801 (34171) 44.3%	98575* (80174) 100.0%	...	235376* (89117) 57.7%
72	13899 (2596) 67.4%	458* (152) 67.9%	...	14357 (2601) 67.3%	243949 (46632) 64.2%	49866* (16344) 60.6%	...	293815 (49323) 62.1%
73	7751 (1844) 46.8%	516* (142) 34.7%	115* (55) 33.8%	8382 (1791) 45.5%	188527 (37013) 44.7%	129130 (32162) 36.9%	79036* (33382) 24.0%	396693 (48630) 36.1%
75	15048 (2615) 57.5%	59* (60) 99.7%	...	15107 (2628) 57.6%	212504 (37766) 51.4%	8238* (8380) 100.0%	...	220742 (39729) 52.4%
76	6082* (2016) 62.4%	87* (78) 70.8%	...	6169* (2023) 62.5%	101706* (28928) 57.0%	11669* (10488) 47.9%	...	113375* (32412) 55.9%
80	1233* (549) 43.4%	...	33* (32) 1.6%	1266* (547) 17.9%	26082* (10927) 25.7%	...	30123* (28846) 1.0%	56205* (30309) 1.5%
All	235657 (7542) 52.8%	13364 (1037) 27.0%	1134 (259) 12.0%	250155 (7922) 49.5%	5184423 (158591) 47.0%	2355662 (198337) 24.1%	806475 (146921) 6.5%	8346561 (387606) 25.1%

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

Table III-85 **Number and percent of plants and employees in plants which require post-illness examinations of all or selected workers (by major industrial group)**

Table III-86 **Number and percent of plants and employees in plants which require post-illness examinations of all or selected workers (by 2-digit SIC)**

- (2) Response 25.1 or 25.3 - Post-illness medical examinations not required, or required for management personnel only**

The estimates of the plants which either do not require post-illness medical examinations or require them only for management personnel, and workers in those plants (by number and proportion of the totals) are displayed in Figure III-103 and III-104, and Tables III-87 and III-88.

Figure III-103 **Post-illness exams not required or for management only (by major industrial group)**

Figure III-104 **Post-illness exams not required or for management only (by 2-digit SIC)**

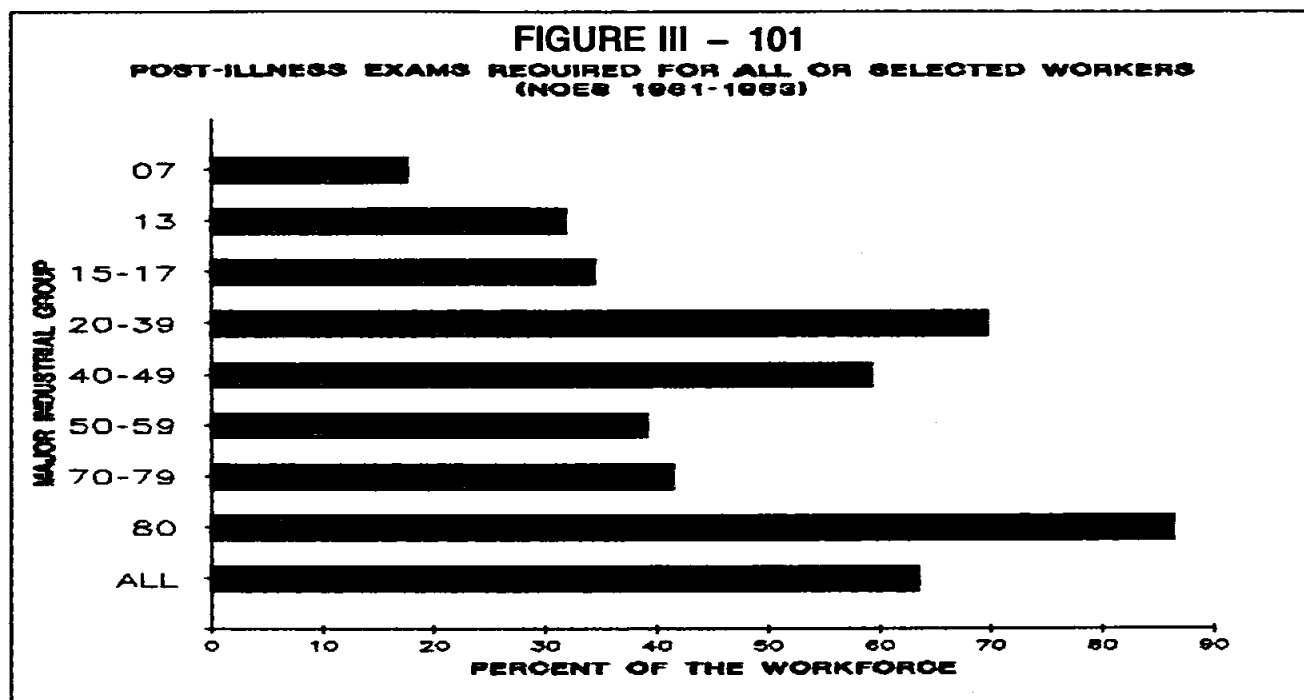
Table III-87 **Number and percent of plants and employees in plants which do not require post-illness examinations or examine management only (by major industrial group)**

Table III-88 **Number and percent of plants and employees in plants which do not require post-illness examinations or examine management only (by 2-digit SIC)**

- (3) Response 25.1, 25.2, 25.3, 25.4, or 25.5 - Required post-illness medical examinations**

The estimated proportions of plants and workers in those plants corresponding to each of the five possible responses to the post-illness examination inquiry are displayed in Figure III-105.

Figure III-105 **Post-illness examination required**



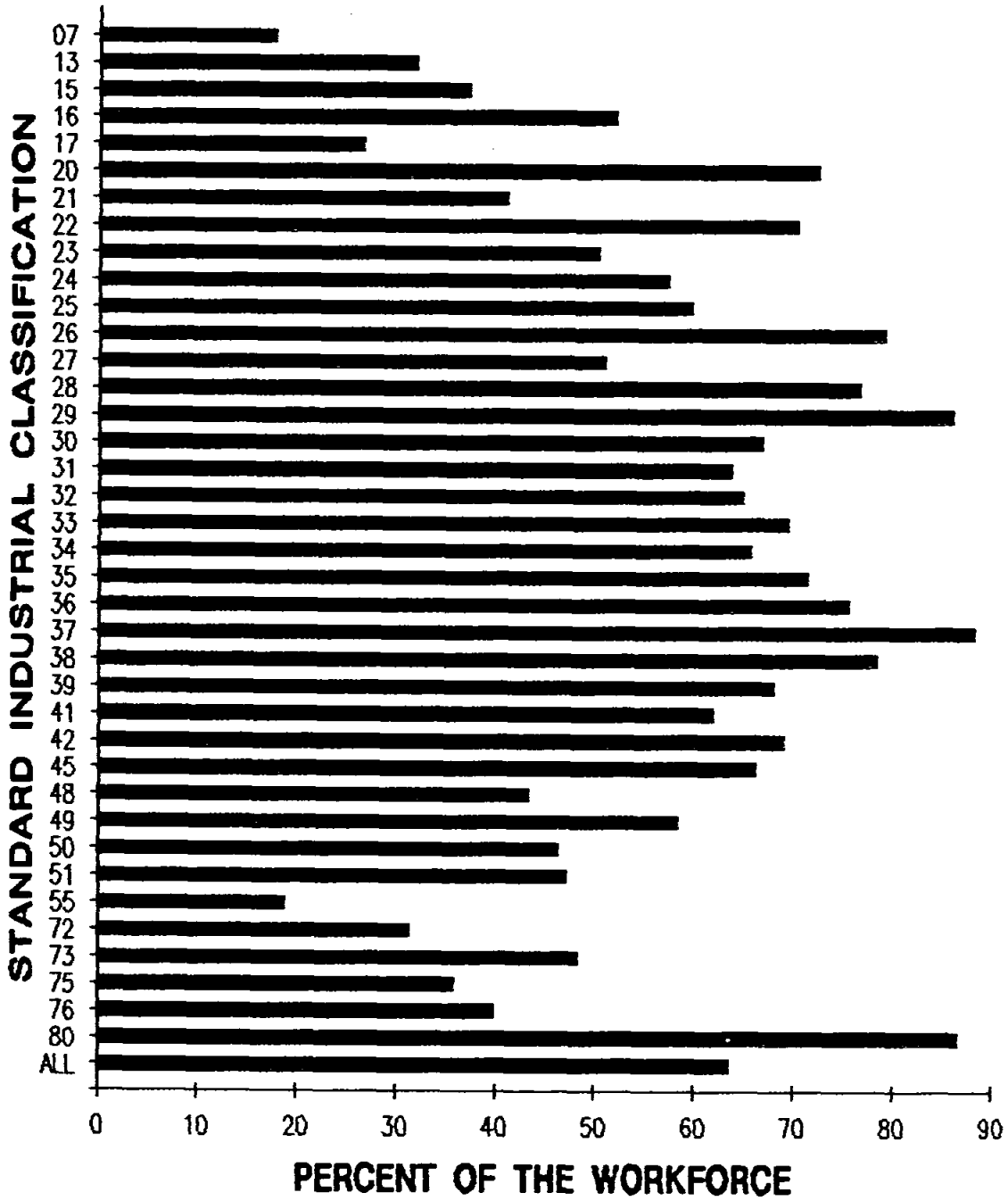
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-85

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
REQUIRE POST-ILLNESS EXAMINATIONS OF ALL OR SELECTED WORKERS

MAJOR GROUP	PLANTS			TOTAL	EMPLOYEES			TOTAL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)		SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	948* (640) 17.0%	70* (67) 100.0%	...	1018* (630) 18.1%	12769* (7825) 12.3%	7009* (6680) 100.0%	...	19778* (9352) 17.9%
13	3213* (888) 37.4%	287* (247) 28.1%	...	3499* (976) 36.2%	91553 (18671) 43.8%	41529* (29940) 23.9%	...	133082* (37914) 32.1%
15-17	26148 (2728) 27.7%	1423 (282) 34.3%	185* (130) 76.3%	27755 (2798) 28.1%	602294 (63177) 28.7%	268930 (55091) 36.5%	196027* (97774) 83.0%	1067252 (143949) 34.7%
20-39	57183 (2725) 37.3%	21717 (1302) 68.4%	4980 (329) 79.4%	83880 (3406) 43.9%	2006452 (72841) 43.5%	4486925 (279994) 70.3%	6991382 (270677) 84.6%	13484759 (446049) 70.0%
40-49	23550 (2188) 44.3%	4079 (736) 69.8%	332* (112) 70.9%	27961 (2289) 47.0%	739195 (79182) 51.6%	764043 (153166) 66.2%	379761 (76400) 66.2%	1882998 (194492) 59.6%
50-59	17292 (2540) 29.6%	1584* (509) 59.6%	...	18876 (2524) 30.9%	370452 (52556) 32.9%	232595* (71551) 56.9%	...	603047 (95620) 39.3%
70-79	20331 (2816) 27.8%	1257 (239) 53.6%	238* (119) 67.3%	21826 (2770) 28.8%	419728 (50073) 30.1%	262717 (47594) 56.6%	233549* (106104) 68.8%	915994 (106290) 41.7%
80	1708* (573) 60.2%	1413 (253) 65.2%	1821 (292) 88.4%	4942 (611) 69.9%	78710 (17922) 77.4%	355396 (76454) 66.5%	2736713 (366222) 90.5%	3170820 (352402) 86.7%
ALL	150373 (5963) 33.5%	31830 (1662) 63.7%	7556 (487) 80.0%	189758 (6359) 37.3%	4321152 (146859) 39.0%	6419145 (345054) 65.1%	10537432 (483776) 84.5%	21277730 (635343) 63.7%

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

FIGURE III - 102
POST-ILLNESS EXAMS REQUIRED FOR ALL OR SELECTED WORKERS
(NOES 1981-1983)

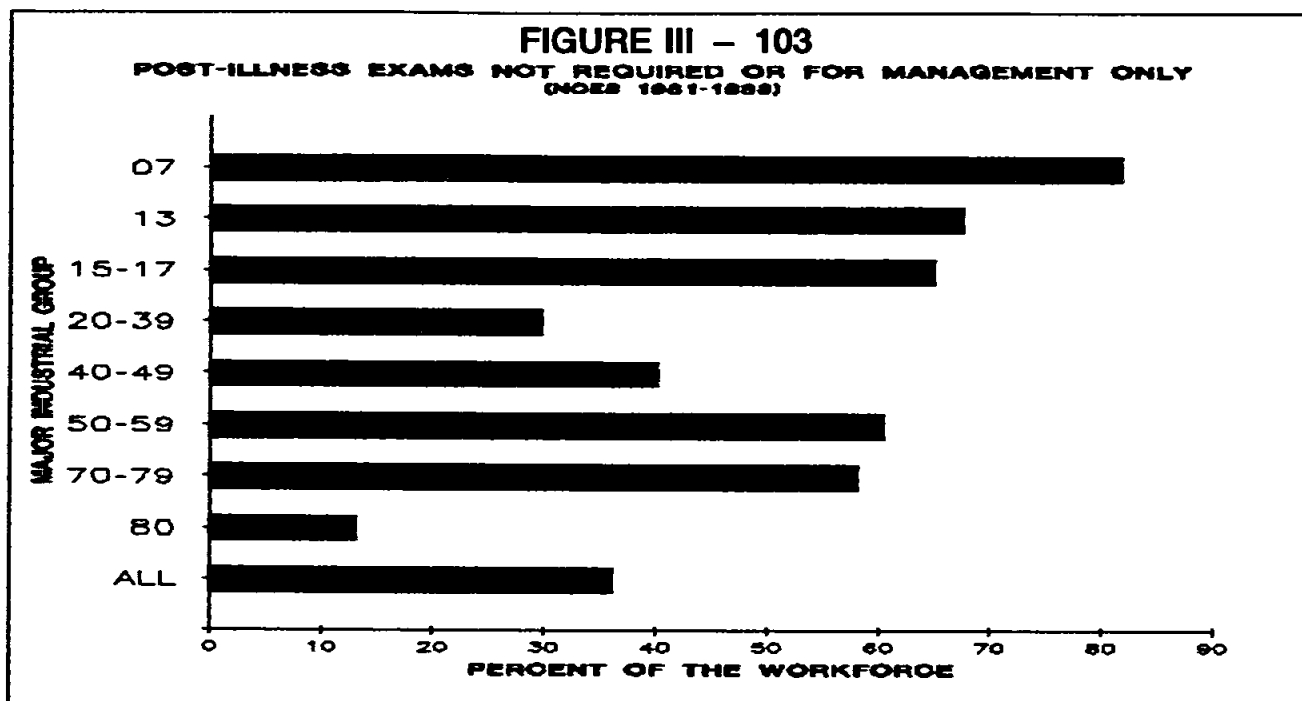


NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH REQUIRE POST-ILLNESS EXAMINATIONS OF ALL OR SELECTED WORKERS

SIC CODE	PLANTS			TOTAL	EMPLOYEES			TOTAL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)		SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	
07	948* (640) 17.0%	70* (67) 100.0%	...	1018* (630) 18.1%	12769* (7825) 12.3%	7009* (6680) 100.0%	...	19778* (9352) 17.9%
13	3213* (888) 37.4%	287* (247) 28.1%	...	3499* (976) 36.2%	91553 (18671) 43.8%	41529* (29940) 23.9%	...	133082* (37914) 32.1%
15	6095 (965) 24.5%	472* (169) 42.6%	95* (9) 70.3%	6662 (991) 25.5%	146303 (28727) 26.0%	82150* (27728) 41.4%	106739* (70903) 79.2%	335192* (87851) 37.4%
16	4425 (1090) 39.2%	508* (188) 45.4%	90* (66) 84.0%	5022 (1082) 40.1%	126569* (32392) 44.6%	93431* (38122) 45.0%	89288* (54040) 88.2%	309288 (70313) 52.1%
17	15628 (1935) 26.9%	443* (202) 23.1%	...	16071 (1979) 26.8%	329423 (42369) 26.3%	93349* (43229) 28.2%	...	422771 (62049) 26.7%
20	5099 (729) 44.7%	2329 (451) 72.4%	474* (133) 84.8%	7903 (898) 52.0%	203565 (25061) 52.4%	502520 (101863) 74.6%	421925* (117022) 85.8%	1128010 (124429) 72.6%
21	30* (43) 100.0%	...	17* (28) 21.6%	47* (47) 43.5%	1866* (2685) 100.0%	...	45151* (41947) 40.3%	47017* (41262) 41.2%
22	769* (273) 26.2%	1209 (149) 76.2%	196* (67) 65.4%	2174 (333) 45.1%	37712* (11442) 35.6%	271543 (30034) 78.2%	195313* (81359) 74.8%	504567 (83678) 70.6%
23	3066 (648) 24.5%	1882 (263) 60.7%	169* (80) 69.8%	5117 (702) 32.3%	123502 (19338) 29.1%	371315 (61893) 60.9%	132489* (67227) 63.6%	627306 (77262) 50.5%
24	3977* (1012) 37.1%	875 (139) 76.2%	92* (75) 88.7%	4944 (1000) 41.3%	121029 (25584) 39.9%	147226 (28141) 80.2%	64733* (51314) 70.1%	332988 (80631) 57.5%
25	1500* (425) 36.0%	792 (191) 74.6%	36* (23) 30.6%	2328 (522) 43.6%	60110* (20214) 43.2%	196420* (49394) 76.6%	53440* (27829) 43.4%	309969 (73359) 59.8%
26	2324 (528) 56.5%	1120 (187) 71.4%	180* (85) 84.2%	3624 (555) 61.5%	88929 (15900) 64.6%	222347 (47833) 79.0%	184857* (74073) 89.4%	496134 (103651) 79.3%
27	4004 (851) 22.1%	1183 (149) 63.2%	214* (80) 67.7%	5402 (875) 26.6%	141967 (27456) 29.7%	219000 (32444) 60.7%	244939* (67607) 70.8%	605906 (84232) 51.1%
28	3192 (489) 51.7%	704 (111) 60.7%	352 (57) 92.6%	4248 (543) 55.1%	96749 (12564) 53.5%	166526 (31364) 63.8%	441972 (97962) 92.8%	705247 (107213) 76.8%
29	165* (144) 16.3%	293* (125) 100.0%	101* (42) 100.0%	560* (216) 39.8%	10182* (9771) 24.8%	63255* (21394) 100.0%	117545* (70259) 100.0%	190982* (79819) 86.1%
30	3352 (732) 49.9%	938* (364) 61.0%	180* (67) 80.3%	4470 (933) 52.8%	119944 (20551) 53.3%	176250* (71151) 59.8%	208455* (70884) 89.2%	504649 (100102) 67.0%
31	320* (207) 34.4%	378* (95) 66.4%	25* (24) 100.0%	724* (247) 47.4%	9466* (5547) 38.0%	87414* (24607) 64.5%	15664* (16901) 100.0%	112545* (30966) 63.9%
32	3857* (1088) 43.8%	726 (140) 71.8%	151* (65) 81.9%	4734 (1078) 47.4%	114930 (23660) 48.5%	154229 (34313) 73.8%	105011* (44793) 81.4%	374170 (43355) 65.1%
33	1537 (379) 37.2%	740* (186) 50.4%	240* (78) 71.1%	2517 (458) 42.4%	59525 (13460) 43.0%	181145 (42235) 58.2%	504942 (113715) 81.2%	745612 (137306) 69.6%

SIC CODE					EMPLOYEES			
	SMALL (8-99)	PLANTS MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	7377 (1037) 39.8%	2287 (195) 73.3%	247* (86) 71.4%	9912 (1039) 45.1%	258232 (25974) 46.5%	456013 (30008) 76.4%	275392* (102333) 78.4%	989636 (103314) 65.9%
35	8061 (1254) 35.6%	2492 (239) 73.2%	646 (89) 82.4%	11199 (1278) 41.7%	264603 (22749) 43.6%	457040 (41646) 69.1%	983325 (143103) 88.4%	1704969 (141739) 71.6%
36	3974 (672) 55.9%	1599 (171) 59.5%	613* (166) 77.9%	6186 (680) 58.5%	131202 (15036) 56.9%	357129 (33941) 64.6%	999025 (202447) 84.5%	1487355 (210714) 75.7%
37	1830* (481) 46.1%	1021 (92) 85.8%	365 (83) 87.7%	3216 (501) 57.7%	74070* (19593) 58.3%	214136 (27862) 89.5%	1374777 (222769) 90.8%	1662983 (214052) 88.4%
38	687* (328) 25.6%	690 (133) 72.1%	354* (124) 85.2%	1732 (394) 42.6%	33441* (11742) 32.0%	144536 (30309) 74.4%	419058* (123602) 91.0%	597036 (137260) 78.6%
39	2062 (476) 31.5%	455* (881) 57.0%	328* (221) 97.0%	2844* (941) 37.0%	55429* (14746) 33.4%	98879* (191557) 66.2%	203369* (123186) 97.1%	357678* (181506) 68.2%
41	2335* (753) 52.8%	237* (77) 46.5%	...	2572* (772) 52.2%	80196* (24415) 68.2%	43215* (26171) 53.0%	...	123411* (34668) 62.0%
42	10720 (1710) 53.5%	1205 (271) 81.3%	75* (46) 91.1%	12000 (1738) 55.6%	306340 (53879) 62.8%	200225 (39970) 77.4%	62234* (31699) 83.2%	568800 (67219) 69.2%
45	924* (512) 28.5%	514* (353) 87.1%	86* (43) 58.6%	1524* (605) 38.3%	21974* (10501) 28.4%	101563* (69434) 92.9%	175417* (49150) 66.4%	298954* (83140) 66.3%
48	3561* (1102) 24.2%	679 (136) 75.3%	19* (16) 56.8%	4259* (1156) 27.2%	121217* (49310) 28.5%	135070* (35268) 76.6%	37029* (29526) 52.8%	293316* (76995) 43.6%
49	5065 (1213) 61.7%	999* (367) 53.7%	152* (101) 87.7%	6216 (1371) 60.6%	185299 (45334) 68.8%	201552* (69822) 47.4%	105080* (65971) 71.7%	491931 (118492) 58.5%
50	8874 (1517) 29.2%	1347* (416) 74.7%	...	10221 (1480) 31.8%	219909 (37287) 34.9%	205583* (65763) 72.6%	...	425492 (79700) 46.6%
51	4073 (1008) 44.7%	237* (237) 100.0%	...	4310 (992) 46.1%	73403 (17535) 39.7%	27013* (27013) 100.0%	...	100415* (34371) 47.4%
55	4345* (1210) 23.0%	...	...	4345* (1210) 22.2%	77140* (26271) 25.0%	...	...	77140* (26271) 18.9%
72	5170 (1151) 25.1%	253* (126) 37.5%	...	5423 (1161) 25.4%	115716 (22180) 30.5%	33745* (18218) 41.0%	...	149462 (29179) 31.6%
73	3740 (870) 22.6%	881 (153) 59.2%	238* (119) 69.8%	4859 (836) 26.4%	95061 (21875) 22.6%	204631 (39444) 58.5%	233549* (106104) 71.0%	533241 (103810) 48.5%
75	8166 (1924) 31.2%	...	...	8166 (1924) 31.1%	151903 (34291) 36.8%	...	...	151903 (34291) 36.0%
76	3254* (1133) 33.4%	123* (94) 100.0%	...	3377* (1117) 34.2%	57047* (15632) 32.0%	24341* (19716) 100.0%	...	81388* (25152) 40.1%
80	1708* (573) 60.2%	1413 (253) 85.2%	1821 (292) 88.4%	4942 (611) 69.9%	78710 (17922) 77.4%	355396 (76454) 66.5%	2736713 (366222) 90.5%	3170820 (352402) 86.7%
All	149428 (7560) 33.5%	31432 (989) 63.4%	7556 (387) 80.2%	188416 (7938) 37.3%	4296984 (155394) 39.0%	6352334 (203115) 65.0%	10537432 (474101) 84.6%	21186750 (564214) 63.7%

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



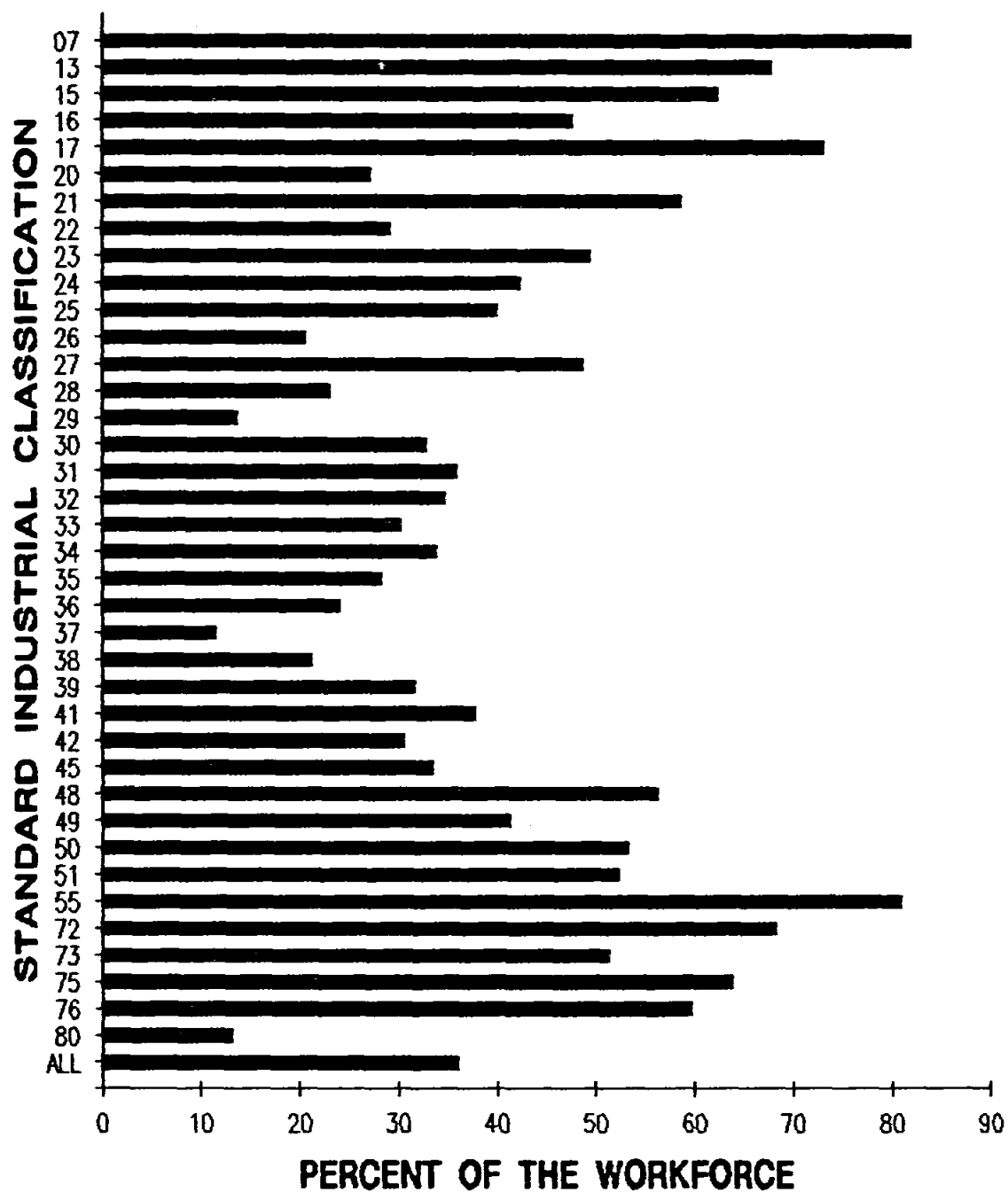
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-87

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
 DO NOT REQUIRE POST-ILLNESS 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	4615 (1148) 83.0%	...	...	4615 (1148) 81.9%	90913* (26337) 87.7%	...	...	90913* (26337) 82.1%
13	5384 (1346) 62.6%	732* (289) 71.8%	46* (52) 100.0%	6163 (1382) 63.8%	117405 (27382) 56.2%	132414* (50581) 76.1%	31383* (35291) 100.0%	281202* (70310) 67.9%
15-17	68184 (2979) 72.3%	2722 (468) 65.7%	58* (36) 23.8%	70964 (3121) 71.9%	1496598 (62259) 71.3%	468169 (82755) 63.5%	40030* (25656) 17.0%	2004797 (119295) 65.3%
20-39	96059 (2791) 62.7%	10038 (1276) 31.6%	1289 (254) 20.6%	107386 (3268) 56.1%	2609243 (73116) 56.5%	1893888 (253357) 29.7%	1273938 (200712) 15.4%	5777070 (411136) 30.0%
40-49	29602 (2838) 55.7%	1764* (470) 30.2%	136* (63) 29.1%	31503 (3181) 53.0%	694674 (83509) 48.4%	389271* (126673) 33.8%	193982* (77035) 33.8%	1277928 (186770) 40.4%
50-59	41100 (3210) 70.4%	1075* (501) 40.4%	...	42175 (3184) 69.1%	753922 (71145) 67.1%	176231* (83150) 43.1%	...	930154 (99926) 60.7%
70-79	52803 (3572) 72.2%	1089 (193) 46.4%	116* (68) 32.8%	54008 (3574) 71.2%	973447 (58748) 69.9%	201795 (42607) 43.4%	106012* (58984) 31.2%	1281253 (82299) 58.3%
80	1131* (488) 39.8%	753 (174) 34.8%	240 (59) 11.7%	2125* (561) 30.1%	22934* (10382) 22.6%	179088 (38824) 33.5%	285963 (60970) 9.5%	487985 (73564) 13.3%
ALL	298880 (7152) 66.5%	18173 (1572) 36.3%	1886 (284) 20.0%	318939 (7549) 62.7%	6759137 (162049) 61.0%	3440857 (316037) 34.9%	1931307 (235201) 15.5%	12131301 (495938) 36.3%

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

FIGURE III - 104
POST-ILLNESS EXAMS NOT REQUIRED OR FOR MANAGEMENT ONLY
(NOES 1981-1983)



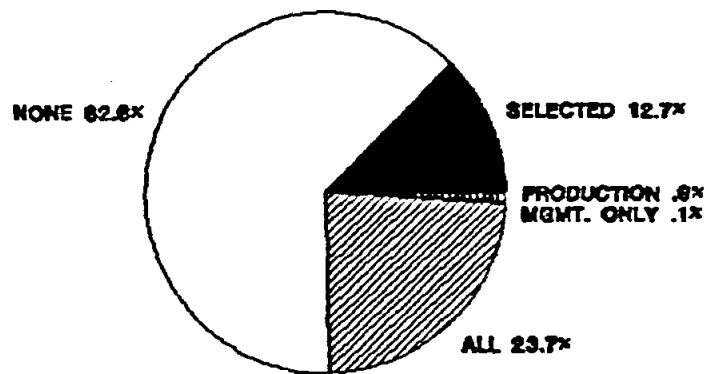
NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH DO NOT REQUIRE POST-ILLNESS EXAMINATIONS OR EXAMINE MANAGEMENT ONLY

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	4615 (1148) 83.0%	...	...	4615 (1148) 81.9%	90913* (26337) 87.7%	...	...	90913* (26337) 82.7%
13	5384 (1346) 62.6%	732* (289) 71.8%	46* (52) 100.0%	6163 (1382) 63.8%	117405 (27382) 56.2%	132414* (50581) 76.1%	31383* (35291) 100.0%	281202* (70310) 67.9%
15	18821 (1640) 75.5%	635* (188) 57.4%	40* (25) 29.8%	19496 (1672) 74.5%	416585 (42893) 74.0%	116068* (35048) 58.6%	28060* (17429) 20.8%	560713 (65500) 62.6%
16	6860 (1026) 60.8%	611* (155) 54.6%	17* (30) 16.3%	7488 (1066) 59.9%	157520 (26160) 55.4%	114328* (35129) 55.0%	11970* (20913) 11.8%	283818 (47629) 47.9%
17	42504 (2125) 73.1%	1476 (334) 76.9%	...	43980 (2230) 73.2%	922493 (42629) 73.7%	237773 (57765) 71.8%	...	1160266 (84890) 73.3%
20	6313 (901) 55.3%	886* (255) 27.6%	85* (54) 15.3%	7285 (1038) 48.0%	184873 (25393) 47.6%	171260* (57724) 25.4%	69850* (44995) 14.2%	425984 (79792) 27.4%
21	...	...	62* (46) 78.0%	62* (46) 56.5%	...	...	66982* (42632) 59.7%	66982* (42632) 58.8%
22	2163 (386) 73.8%	379* (113) 23.9%	103* (64) 34.5%	2645 (417) 54.9%	68321 (12245) 64.4%	75530* (26343) 21.8%	65780* (41335) 25.2%	209631* (54281) 29.4%
23	9447 (1072) 75.5%	1220 (254) 39.3%	74* (58) 30.4%	10741 (1179) 67.7%	300402 (22475) 70.9%	238607 (55636) 39.1%	75948* (47972) 36.4%	614957 (86698) 49.5%
24	6735 (1058) 62.9%	272* (141) 23.7%	12* (10) 11.5%	7019 (1044) 58.7%	182618 (25265) 60.1%	36359* (21091) 19.8%	27621* (22969) 29.9%	246598 (38570) 42.5%
25	2665 (528) 64.0%	269* (142) 25.4%	82* (74) 69.0%	3016 (609) 56.4%	78999* (23059) 56.8%	60022* (39091) 23.4%	69558* (62426) 56.6%	208580* (80795) 40.2%
26	1789* (752) 43.5%	449* (181) 28.6%	34* (70) 15.9%	2271* (726) 38.5%	48724* (19190) 35.4%	59129* (20470) 21.0%	22007* (45170) 10.6%	129860* (56942) 20.7%
27	14114 (1212) 77.9%	689* (177) 36.8%	102* (61) 32.4%	14905 (1179) 73.4%	336165 (30340) 70.3%	141902* (46533) 39.3%	100811* (49854) 29.2%	578878 (88177) 48.9%
28	2981 (536) 48.3%	456* (118) 39.3%	28* (28) 7.3%	3465 (561) 44.9%	83990 (12795) 46.5%	94305* (29211) 36.2%	34369* (25169) 7.2%	212663 (40702) 23.2%
29	846* (359) 83.6%	...	...	846* (359) 60.2%	30798* (13112) 75.2%	...	...	30798* (13112) 13.9%
30	3359 (829) 50.1%	599 (123) 39.0%	44* (43) 19.6%	4002 (830) 47.2%	105060 (19181) 46.7%	118280* (34800) 40.2%	25192* (24082) 10.8%	248532 (45798) 33.0%
31	611* (334) 65.6%	191* (81) 33.5%	...	802* (336) 52.6%	15421* (6912) 62.0%	48045* (21312) 35.5%	...	63466* (22293) 36.1%
32	4941 (995) 56.2%	286* (131) 28.3%	33* (30) 18.0%	5260 (1026) 52.6%	122230 (21372) 51.5%	54754* (28912) 26.2%	23982* (23567) 18.6%	200967 (37900) 34.9%
33	2597 (522) 62.8%	728* (198) 49.6%	97* (54) 28.9%	3423 (581) 57.6%	78943 (14935) 57.0%	129936* (34980) 41.8%	116557* (62055) 18.8%	325436* (86168) 30.4%

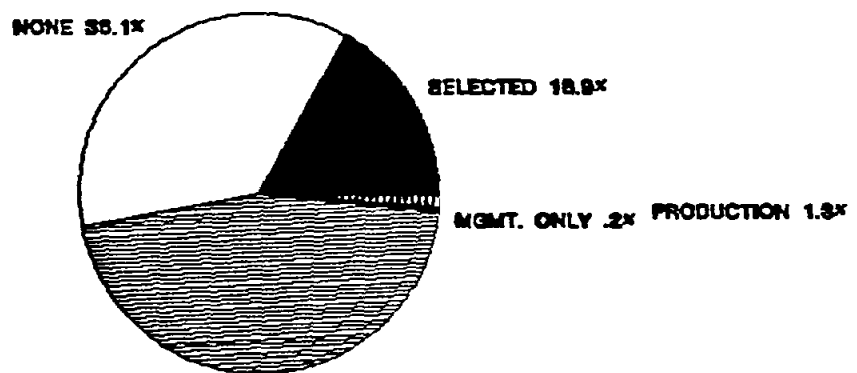
SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	11143 (1014) 60.2%	835 (198) 26.7%	98* (51) 28.4%	12076 (1057) 54.9%	296653 (24860) 53.5%	140672 (31540) 23.6%	75664* (40928) 21.6%	512989 (59087) 34.1%
35	14589 (1266) 64.4%	913 (168) 26.8%	138* (77) 17.6%	15640 (1316) 58.3%	342197 (22553) 56.4%	204080 (41643) 30.9%	129608* (73914) 11.6%	675885 (91311) 28.4%
36	3130 (493) 44.1%	1086 (187) 40.5%	174* (77) 22.1%	4391 (516) 41.5%	99286 (15250) 43.1%	195533 (33927) 35.4%	183437* (78004) 15.5%	478257 (86158) 24.3%
37	2143* (660) 53.9%	169* (76) 14.2%	51* (32) 12.2%	2363* (653) 42.4%	52952 (12771) 41.7%	25048* (13229) 10.5%	139231* (40586) 9.2%	217232 (43849) 11.6%
38	2002 (469) 74.5%	267* (102) 27.8%	61* (50) 14.8%	2330 (487) 57.4%	71161 (12565) 68.0%	49857* (22601) 25.6%	41339* (34703) 9.0%	162356 (34424) 21.4%
39	4492 (566) 68.5%	343* (667) 43.0%	10* (16) 3.0%	4845 (842) 63.0%	110448 (17359) 66.6%	50570* (94797) 33.8%	6000* (9493) 2.9%	167018* (96526) 31.8%
41	2084* (733) 47.2%	273* (146) 53.5%	...	2357* (793) 47.8%	37436* (15285) 31.8%	38327* (20191) 47.0%	...	75763* (29278) 38.0%
42	9307 (1571) 46.5%	277* (106) 18.7%	7* (17) 8.4%	9591 (1610) 44.4%	181462 (31347) 37.2%	58596* (32146) 22.6%	12595* (30665) 16.8%	252654 (56627) 30.8%
45	2318* (870) 71.5%	75* (75) 12.8%	61* (55) 41.7%	2454* (870) 61.7%	55523* (24157) 71.6%	7769* (7769) 7.1%	88838* (67114) 33.6%	152130* (70139) 33.7%
48	11141 (1800) 75.8%	223* (115) 24.7%	14* (12) 42.3%	11378 (1837) 72.8%	304541 (67466) 71.5%	41252* (21410) 23.4%	33054* (28615) 47.2%	378847 (84562) 56.4%
49	3151* (1077) 38.4%	863* (382) 46.3%	21* (16) 12.1%	4035* (1236) 39.4%	84071* (32709) 31.2%	223918* (122049) 52.6%	41485* (31333) 28.3%	349473* (131374) 41.5%
50	21475 (2276) 70.8%	455* (253) 25.3%	...	21931 (2292) 68.2%	410395 (61026) 65.1%	77656* (44442) 27.4%	...	488052 (79588) 53.4%
51	5041* (1296) 55.3%	...	...	5041* (1296) 53.9%	111622* (36605) 60.3%	...	...	111622* (36605) 52.6%
55	14584 (2609) 77.0%	620* (491) 99.9%	...	15203 (2720) 77.8%	231905 (41494) 75.0%	98575* (80174) 100.0%	...	330480* (96793) 81.1%
72	15459 (2399) 74.9%	422* (156) 62.6%	13* (19) 100.0%	15895 (2420) 74.6%	264303 (43092) 69.5%	48475* (18250) 59.0%	10670* (15114) 100.0%	323448 (53399) 68.4%
73	12834 (1595) 77.4%	608* (183) 40.8%	103* (60) 30.2%	13545 (1536) 73.6%	326386 (41475) 77.4%	145082* (44714) 41.5%	95341* (53359) 29.0%	566809 (73676) 51.5%
75	18013 (2654) 68.8%	59* (60) 99.7%	...	18072 (2665) 68.9%	261372 (38116) 63.2%	8238* (8380) 100.0%	...	269610 (39759) 64.0%
76	6497* (1737) 66.6%	...	...	6497* (1737) 65.8%	121385 (29013) 68.0%	...	...	121385 (29013) 59.9%
80	1131* (488) 39.8%	753 (174) 34.8%	240 (59) 11.7%	2125* (561) 30.1%	22934* (10382) 22.6%	179088 (38824) 33.5%	285963 (60970) 9.5%	487985 (73564) 13.3%
A11	297278 (8497) 66.5%	18120 (961) 36.6%	1869 (337) 19.8%	317267 (8967) 62.7%	6727497 (167590) 61.0%	3421447 (197546) 35.0%	1922302 (250273) 15.4%	12071246 (416735) 36.3%

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

FIGURE III - 105
POST-ILLNESS EXAMINATIONS REQUIRED
(NOES 1981-1983)



PLANTS



WORKERS