

**NATIONAL OCCUPATIONAL EXPOSURE SURVEY
(1981-1983)
Analyses of Management Interview Responses**

Section V - General Recordkeeping

- retention of personnel records

- employee absenteeism records

- unscheduled absenteeism

turnover rates for permanent employees

maintenance of Occupational Injuries and
Illnesses records

NOES QUESTIONNAIRE ITEM NO. 62
Retention of Personnel Records on Terminated Employees

Intent

The intent of this question was to determine the length of time that facilities retained personnel records on workers whose employment had been terminated.

This item was displayed on the questionnaire as:

62. How long are personnel records on terminated employees retained?

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

Notes

Any recordkeeping system which identified an individual and provided personal data on that individual was considered.

Recordkeeping systems which identified only worker groups or which were regarded only as medical recordkeeping systems were not considered in this response.

As previously discussed in the Notes text on question 33, three classes of responses to this question were possible. "Unknown" (UK) responses were discarded as not containing useful information, "forever" responses are presented in terms of the number of plants (and workers in those plants) which maintained records "forever" and discrete value responses ("non-forever") were averaged across industry and facility strata.

Analysis

Two analyses of the responses to question 62 are presented.

- (1) Response 62 - Average "non-forever" years that facilities retain the personnel records on terminated employees

The estimates of the average number of years (to the nearest year) that facilities retain the personnel records of terminated employees are presented in Figures V-1 and V-2, and Tables V-1 and V-2.

Figure V-1	Average number of "non-forever" years plants keep personnel records on terminated workers (by major industrial group)
Figure V-2	Average number of "non-forever" years plants keep personnel records on terminated workers (by 2-digit SIC)
Table V-1	Average number of years facilities keep personnel records on terminated employees among plants not reporting "forever" (by major industrial group)

Table V-2 **Average number of years facilities keep personnel records on terminated employees among plants not reporting "forever" (by 2-digit SIC)**

(2) Response 62 - Retention of personnel records "forever"

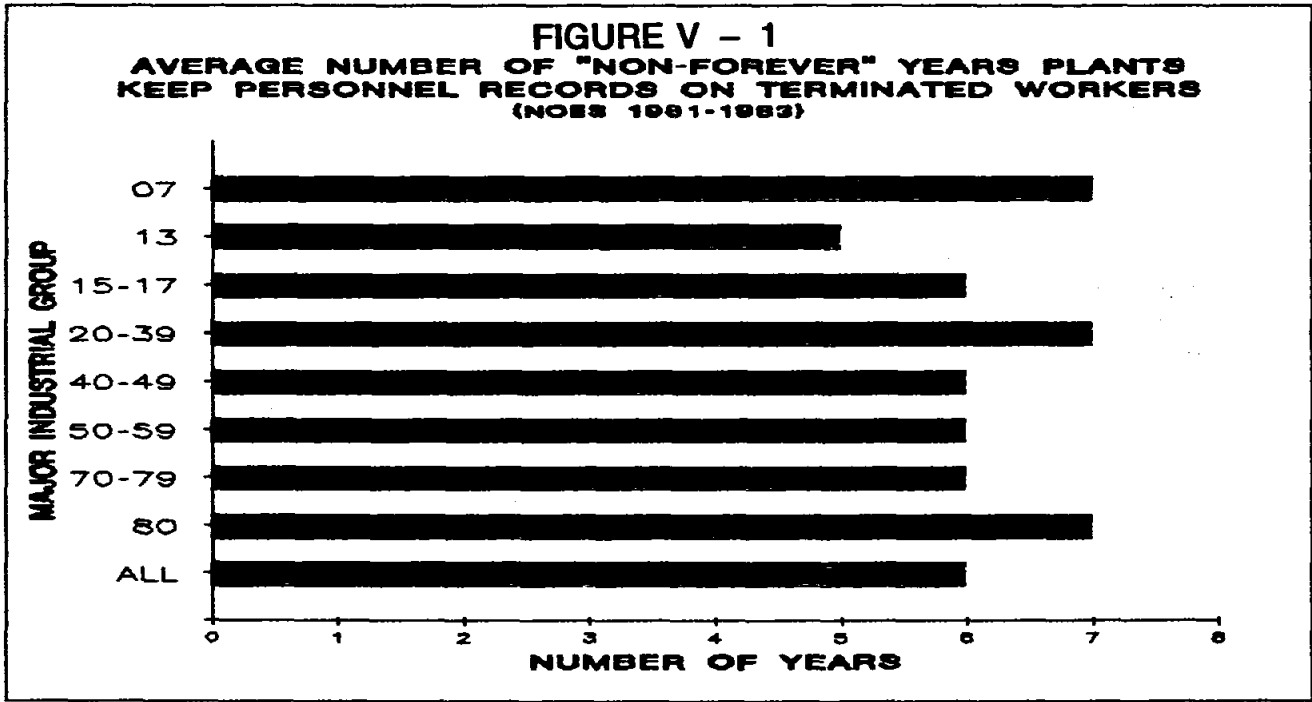
The estimates of the plants which retain personnel records on terminated employees "forever", and workers in those plants (by number and proportion of the totals) are displayed in Figures V-3 and V-4, and Tables V-3 and V-4.

Figure V-3 **Proportion of plants which keep personnel records on terminated employees "forever"**
(by major industrial group)

Figure V-4 **Plants which keep personnel records on terminated employees "forever"**
(by 2-digit SIC)

Table V-3 **Number and percent of plants and employees in plants which keep personnel records on terminated workers "forever" (by major industrial group)**

Table V-4 **Number and percent of plants and employees in plants which keep personnel records on terminated workers "forever" (by 2-digit SIC)**



NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. V-1

AVERAGE NUMBER OF YEARS FACILITIES KEEP PERSONNEL RECORDS ON TERMINATED
EMPLOYEES AMONG PLANTS NOT REPORTING "FOREVER"

PLANT SIZE

MAJOR GROUP	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	ALL
07	7 (1)	5* (3)	...	7 (1)
13	5* (2)	7* (3)	...	5* (2)
15-17	6 ($<.5$)	8 (1)	5* (2)	6 ($<.5$)
20-39	6 ($<.5$)	8 ($<.5$)	9 (2)	7 ($<.5$)
40-49	6 (1)	8 (2)	7* (2)	6 (1)
50-59	6 (1)	8 (1)	...	6 (1)
70-79	6 ($<.5$)	7 (1)	11 (3)	6 ($<.5$)
80	6* (4)	7 (1)	6 (1)	7 (1)
ALL	6 ($<.5$)	7 ($<.5$)	8 (1)	6 ($<.5$)

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

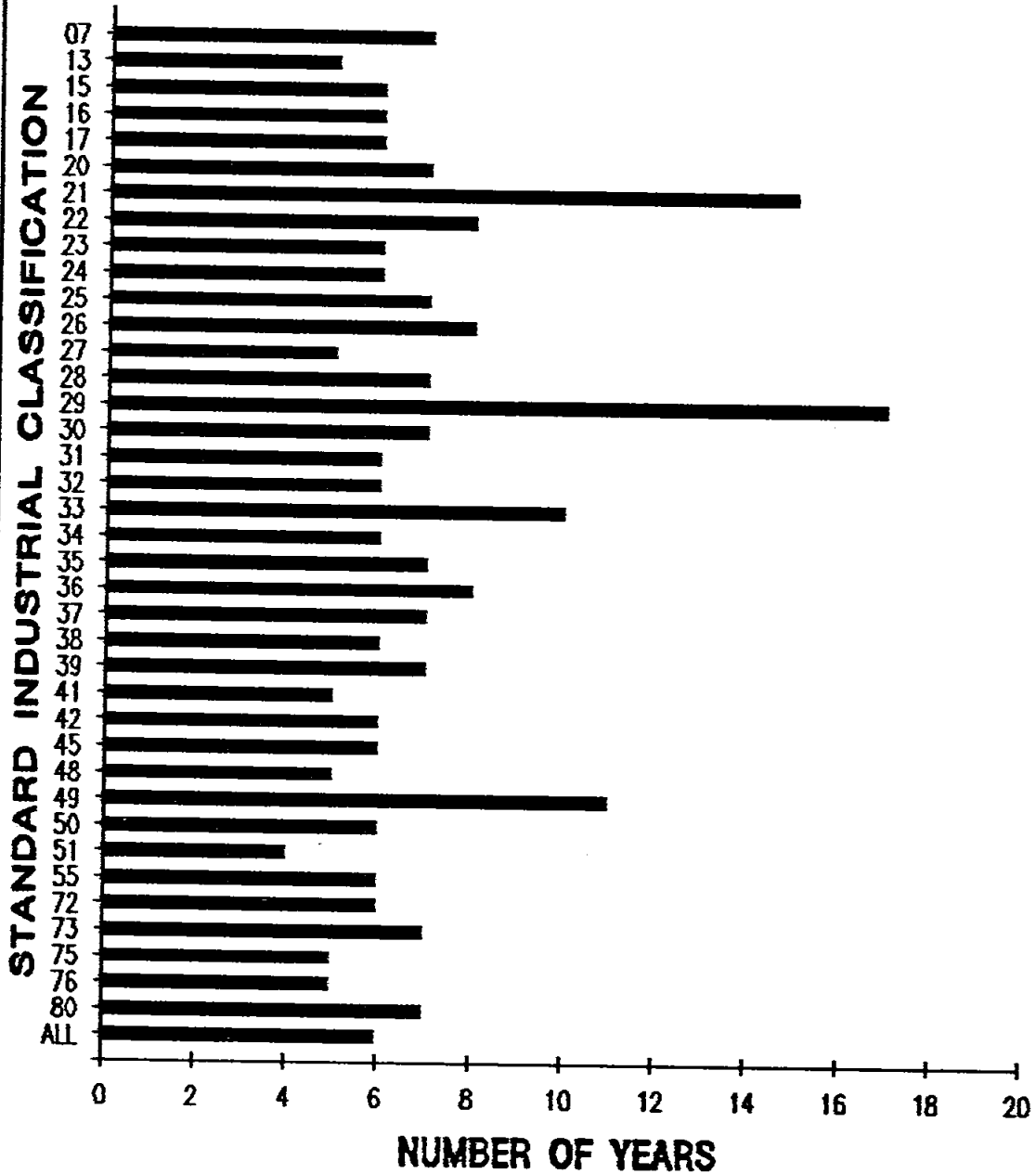
AVERAGE NUMBER OF YEARS FACILITIES KEEP PERSONNEL RECORDS ON TERMINATED EMPLOYEES AMONG PLANTS NOT REPORTING "FOREVER"

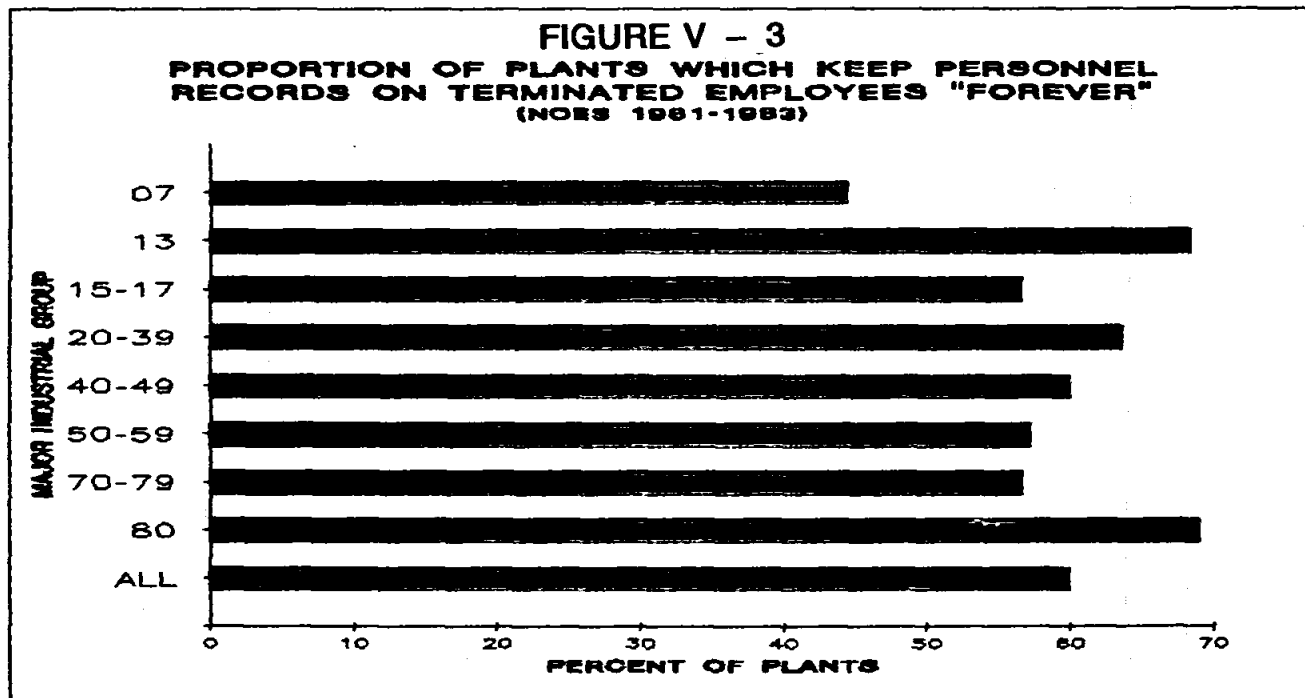
SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	
07	7 (1)	5* (3)	...	7 (1)
13	5* (2)	7* (3)	...	5* (2)
15	5 (<.5)	7 (1)	5* (2)	6 (<.5)
16	5 (1)	7 (1)	4* (3)	6 (1)
17	6 (<.5)	8 (1)	...	6 (<.5)
20	7 (1)	8 (2)	6* (2)	7 (1)
21	30* (21)	...	13* (6)	15* (6)
22	8 (2)	8 (1)	8* (4)	8 (1)
23	5 (<.5)	8 (2)	...	6 (<.5)
24	6* (2)	7 (2)	5* (4)	6 (1)
25	6 (1)	10* (3)	2* (1)	7 (1)
26	7 (1)	7* (2)	18* (5)	8 (1)
27	5 (<.5)	6 (1)	9 (2)	5 (<.5)
28	5* (1)	11* (3)	15* (12)	7 (2)
29	20* (14)	...	10* (7)	17* (10)
30	7* (2)	7 (1)	4* (1)	7 (2)
31	6* (2)	6 (1)	...	6 (1)
32	6 (1)	11* (5)	14* (9)	6 (1)
33	10* (3)	7* (3)	14* (5)	10 (2)

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

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

FIGURE V - 2
AVERAGE NUMBER OF "NON-FOREVER" YEARS PLANTS
KEEP PERSONNEL RECORDS ON TERMINATED WORKERS
(NOES 1981-1983)





NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. V-3

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
 KEEP PERSONNEL RECORDS ON TERMINATED WORKERS "FOREVER"

MAJOR GROUP	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	2515* (1243) 45.2%	...	...	2515* (1243) 44.6%	41315* (23077) 39.8%	...	...	41315* (23077) 37.3%
13	5877 (1290) 68.4%	696* (230) 68.3%	46* (52) 100.0%	6619 (1378) 68.5%	141531 (26394) 67.7%	108447* (34128) 62.3%	31383* (35291) 100.0%	281361 (64885) 67.9%
15-17	53788 (3672) 57.0%	1960 (417) 47.3%	202* (128) 83.3%	55950 (3553) 56.7%	1157675 (71740) 55.2%	339424 (71217) 46.0%	166555* (95272) 70.6%	1663655 (106967) 54.2%
20-39	97258 (2966) 63.5%	20624 (1694) 65.0%	3904 (239) 62.3%	121786 (3256) 63.7%	2974075 (79727) 64.4%	4169231 (327004) 65.3%	5266724 (439447) 63.7%	12410030 (629234) 64.4%
40-49	31315 (2764) 58.9%	4217 (955) 72.2%	192* (103) 41.1%	35724 (3197) 60.1%	905346 (84113) 63.1%	753315 (187387) 65.3%	245514* (86614) 42.8%	1904175 (208264) 60.2%
50-59	33320 (2690) 57.1%	1727* (542) 65.0%	...	35047 (2774) 57.4%	656853 (51749) 58.4%	260672* (82246) 63.8%	...	917525 (107344) 59.8%
70-79	41405 (3163) 56.6%	1413 (199) 60.2%	147* (64) 41.6%	42965 (3150) 56.7%	737617 (66128) 52.9%	284335 (38453) 61.2%	181944* (79531) 53.6%	1203896 (94453) 54.8%
80	2204* (731) 77.6%	1543 (249) 71.2%	1134 (232) 55.0%	4880 (714) 69.1%	70038 (17334) 68.9%	389829 (66094) 72.9%	1609788 (322252) 53.3%	2069655 (301305) 56.6%
ALL	267681 (7135) 59.6%	32181 (2099) 64.4%	5625 (380) 59.6%	305487 (7418) 60.1%	6684450 (164799) 60.3%	6305253 (401115) 63.9%	7501908 (566665) 60.2%	20491611 (752809) 61.3%

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

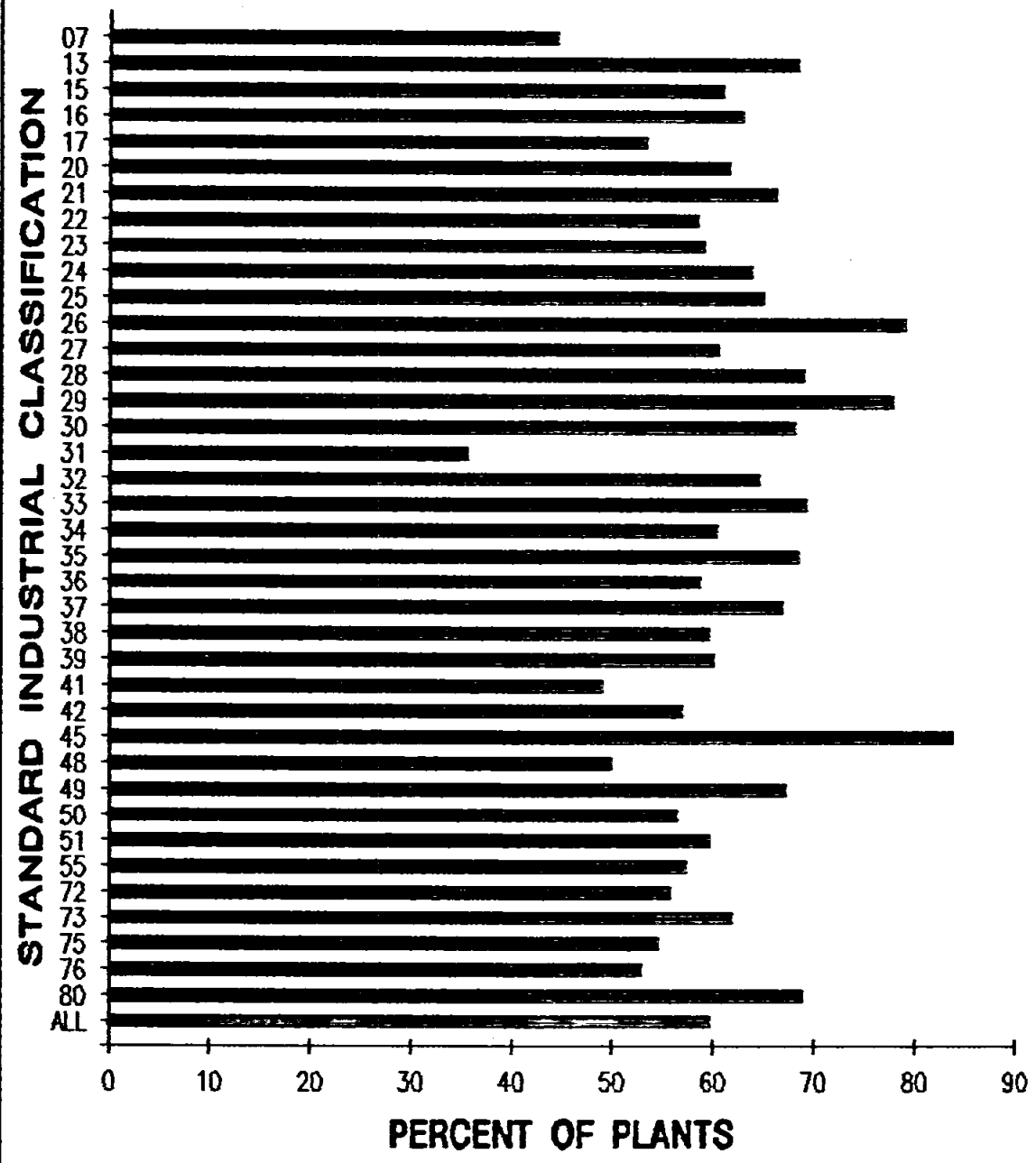
NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH KEEP PERSONNEL RECORDS ON TERMINATED WORKERS "FOREVER"

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
07	2515* (1243) 45.2%	...	...	2515* (1243) 44.6%	41315* (23077) 39.8%	...	...	41315* (23077) 37.3%
13	5877 (1290) 68.4%	696* (230) 68.3%	46* (52) 100.0%	6619 (1378) 68.5%	141531 (26394) 67.7%	108447* (34128) 62.3%	31383* (35291) 100.0%	281361 (64885) 67.9%
15	15253 (1356) 61.2%	605* (268) 54.6%	103* (98) 76.2%	15960 (1407) 61.0%	331528 (42472) 58.9%	117009* (44549) 59.0%	82978* (72789) 61.6%	531514 (92158) 59.3%
16	7200 (1443) 63.8%	582* (160) 52.0%	99* (66) 92.4%	7880 (1466) 63.0%	168428 (41767) 59.3%	85647* (23809) 41.2%	83578* (52538) 82.5%	337653 (74099) 56.9%
17	31336 (2468) 53.9%	773* (332) 40.3%	...	32109 (2447) 53.5%	657719 (47885) 52.5%	136768* (57188) 41.3%	...	794488 (60407) 50.2%
20	6849 (783) 60.0%	2095 (353) 65.7%	426 (95) 76.7%	9369 (873) 61.7%	248902 (27698) 64.7%	500828 (87603) 74.3%	350753 (73790) 71.3%	1100483 (99350) 70.8%
21	26* (42) 86.5%	...	46* (37) 58.6%	72* (51) 66.3%	1608* (2605) 86.2%	...	82069* (68223) 73.2%	83677* (67786) 73.4%
22	1631* (428) 55.6%	1045 (136) 65.8%	141* (59) 47.2%	2818 (416) 58.5%	66097 (11044) 62.3%	227882 (30095) 65.7%	143384* (72625) 54.9%	437364 (65247) 61.2%
23	6989 (664) 55.9%	2161 (204) 69.7%	242* (93) 100.0%	9392 (749) 59.2%	253172 (30444) 59.7%	423055 (35340) 69.4%	208437* (79559) 100.0%	884664 (97673) 71.2%
24	6898 (943) 64.4%	645* (187) 56.2%	97* (73) 93.5%	7641 (1026) 63.9%	186645 (26232) 61.5%	105080 (26113) 57.2%	84209* (52011) 91.2%	375934 (81650) 64.9%
25	2718 (408) 65.3%	659* (183) 62.7%	101* (74) 84.9%	3479 (479) 65.7%	96112 (18559) 69.7%	155397* (43910) 60.6%	107692* (61537) 87.6%	359201 (77246) 69.3%
26	3533 (731) 85.9%	1038* (266) 66.2%	95* (57) 44.4%	4667 (771) 79.7%	106622 (15806) 77.5%	180094 (43205) 64.0%	55206* (32762) 26.7%	341922 (60050) 54.6%
27	11054 (1191) 61.0%	1068 (148) 57.0%	182* (86) 57.6%	12305 (1212) 60.6%	299326 (29882) 62.6%	201496 (37306) 55.8%	199292* (68616) 57.6%	700113 (84118) 59.7%
28	4542 (546) 73.6%	596 (109) 51.4%	188* (59) 49.5%	5326 (560) 69.7%	138902 (10248) 76.9%	134442 (24345) 51.5%	254989* (96570) 53.5%	528333 (90930) 57.6%
29	748* (431) 73.9%	267* (122) 91.7%	80* (38) 79.7%	1094* (481) 77.9%	30921* (16845) 75.5%	58505* (19595) 92.5%	102156* (69145) 86.9%	191582* (79921) 86.4%
30	4674 (1021) 69.6%	1053* (381) 68.5%	53* (46) 23.8%	5780 (1187) 68.2%	147874 (28051) 65.7%	178946* (71537) 60.8%	63559* (37574) 27.2%	390379 (94349) 51.8%
31	197* (181) 21.2%	324* (89) 57.0%	25* (24) 100.0%	547* (201) 35.8%	6397* (5084) 25.7%	81689* (27026) 60.3%	15664* (16901) 100.0%	103750* (32303) 58.9%
32	5592 (955) 63.6%	735 (160) 72.6%	144* (63) 78.5%	6471 (1013) 64.7%	159067 (14227) 67.7%	153873 (26846) 73.6%	97961* (42368) 75.9%	410902 (38878) 71.4%
33	2595 (400) 62.8%	1255 (157) 85.5%	273 (65) 81.0%	4122 (423) 69.4%	92674 (12815) 66.9%	264184 (32809) 84.9%	475878 (92436) 76.6%	832735 (95514) 77.7%

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	11037 (1214) 59.6%	2016 (226) 64.6%	240* (78) 69.4%	13292 (1260) 60.5%	328008 (24001) 59.1%	407717 (41049) 68.3%	252001* (81487) 71.8%	987726 (93294) 65.7%
35	15661 (1381) 69.1%	2233 (175) 65.6%	505 (107) 64.4%	18399 (1406) 68.6%	436503 (25020) 71.9%	440223 (39357) 66.6%	710781 (116310) 63.9%	1587507 (111237) 66.7%
36	4142 (479) 58.3%	1526 (184) 56.8%	546* (141) 69.4%	6215 (577) 58.8%	133476 (19122) 57.9%	299594 (42738) 54.2%	706025 (141166) 59.7%	1139095 (154202) 58.0%
37	2516* (681) 63.3%	912 (161) 76.6%	312* (92) 75.0%	3740 (689) 67.0%	67627 (13014) 53.2%	173152 (41016) 72.4%	1145021 (276018) 75.6%	1385801 (262785) 73.7%
38	1721 (372) 64.0%	517 (116) 54.0%	186* (101) 44.7%	2423 (429) 59.7%	68793 (9054) 65.8%	94200* (28363) 48.5%	186181* (96491) 40.4%	349173* (110724) 46.0%
39	4135 (829) 63.1%	480* (989) 60.1%	20* (17) 6.0%	4634* (1324) 60.3%	105349 (17807) 63.5%	88875* (189889) 59.5%	25466* (19911) 12.2%	219689* (189363) 41.9%
41	2175* (577) 49.2%	252* (136) 49.4%	...	2426* (620) 49.2%	63740* (16347) 54.2%	34499* (18593) 42.3%	...	98238* (25652) 49.3%
42	11243 (1704) 56.1%	1020* (279) 68.8%	72* (60) 87.9%	12335 (1749) 57.1%	272876 (39254) 55.9%	165817* (48737) 64.1%	66490* (53381) 88.9%	505183 (58967) 61.5%
45	2768* (810) 85.4%	534* (387) 90.6%	40* (20) 27.0%	3342* (962) 84.0%	62345* (17410) 80.4%	101262* (74123) 92.6%	83882* (48380) 31.7%	247488* (78760) 54.9%
48	7101 (1339) 48.3%	708 (167) 78.5%	30* (20) 88.9%	7839 (1441) 50.1%	249716* (66442) 58.7%	126930* (34076) 72.0%	56857* (37465) 81.1%	433503 (94261) 64.5%
49	5526 (1376) 67.3%	1334* (432) 71.6%	50* (75) 29.1%	6910 (1455) 67.4%	204257* (51537) 75.8%	248901* (79641) 58.5%	38285* (48601) 26.1%	491443 (103522) 58.4%
50	16723 (1780) 55.1%	1490* (482) 82.7%	...	18213 (1988) 56.6%	361846 (45808) 57.4%	233660* (80094) 82.5%	...	595506 (106751) 65.2%
51	5365 (1046) 58.9%	237* (237) 100.0%	...	5602 (1066) 59.9%	100812 (20648) 54.5%	27013* (27013) 100.0%	...	127824* (38945) 60.3%
55	11232 (2145) 59.3%	...	...	11232 (2145) 57.5%	194195 (40119) 62.8%	...	...	194195 (40119) 47.6%
72	11498 (1838) 55.7%	427* (148) 63.2%	...	11925 (1842) 55.9%	200179 (40080) 52.7%	51484* (19318) 62.6%	...	251663 (44465) 53.2%
73	10389 (1837) 62.7%	892 (143) 59.9%	147* (64) 43.2%	11428 (1838) 62.1%	223581 (38945) 53.1%	211940 (33374) 60.6%	181944* (79531) 55.3%	617465 (89622) 56.1%
75	14316 (2801) 54.7%	59* (60) 99.7%	...	14375 (2808) 54.8%	228473 (45277) 55.3%	8238* (8380) 100.0%	...	236711 (46109) 56.2%
76	5202* (1361) 53.3%	36* (45) 29.4%	...	5238* (1382) 53.1%	85384 (18462) 47.9%	12672* (15755) 52.1%	...	98056* (29026) 48.4%
80	2204* (731) 77.6%	1543 (249) 71.2%	1134 (232) 55.0%	4880 (714) 69.1%	70038 (17334) 68.9%	389829 (66094) 72.9%	1609788 (322252) 53.3%	2069655 (301305) 56.6%
ALL	265178 (5495) 59.4%	31837 (1295) 64.3%	5625 (477) 59.7%	302640 (5977) 59.8%	6632037 (131316) 60.2%	6238436 (239407) 63.8%	7501908 (628567) 60.2%	20372381 (685274) 61.3%

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

FIGURE V - 4
PLANTS WHICH KEEP PERSONNEL RECORDS
ON TERMINATED EMPLOYEES "FOREVER"
(NOES 1981-1983)



**NOES QUESTIONNAIRE ITEM NO. 63
Recordkeeping on Employee Absenteeism**

Intent

The intent of this question was to determine if facility management kept records on employee absenteeism.

This item was displayed on the questionnaire as:

63. Do you keep employee absenteeism records?

- 1 Yes, showing specific nature of illness where appropriate
- 2 Yes, showing only the type of absence
- 3 Yes, without showing the type of absence
- 4 No

Notes

Employee absenteeism record refers to that information kept by management concerning the failure of employees to report for work as scheduled.

Recordkeeping by management intended only to satisfy federal, state, or local regulations were not considered an affirmative response.

Simply recording the presence or absence of an employee (exemplified by industries which pay only for days worked) was coded "3". Additional recordkeeping which specified at least absence type (such as illness or personal leave) was coded "2", and recordkeeping which provided specifics on type of illness where appropriate was coded "1".

Analysis

Two analyses of the responses to question 63 are presented.

- (1) Responses 63.1, 63.2, and 63.3 - Maintenance of any record keeping system for employee absenteeism.

The estimates of the plants which keep any type of absenteeism records, and workers in those plants (by number and proportion of the total) are displayed in Figures V-5 and V-6, and Tables V-5 and V-6.

Figure V-5	Plants which keep absenteeism records (by major industrial group)
Figure V-6	Plants which keep absenteeism records (by 2-digit SIC)
Table V-5	Number and percent of plants and employees in plants which keep any type of absenteeism records (by major industrial group)
Table V-6	Number and percent of plants and employees in plants which keep any type of absenteeism records (by 2-digit SIC)

2) Responses 63.1, 63.2, 63.3, or 63.4 - Maintenance of recordkeeping systems for employee absenteeism by type of record

Estimates of the proportion of plants, and workers in those plants, which keep specific types of absenteeism records are displayed in Figures V-7 and V-8.

Figure V-7 **Workers in plants which keep absenteeism records by plant size and records type**

Figure V-8 **Plants which maintain absenteeism records by plant size and record type**

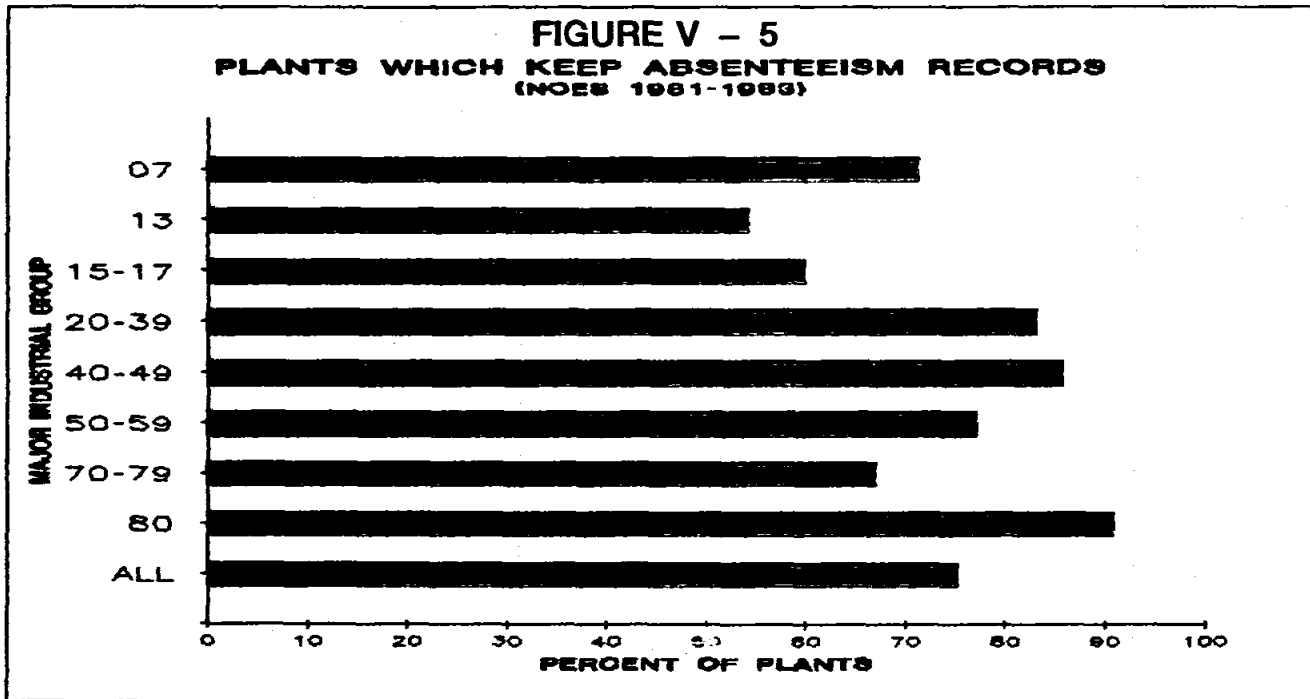
Note: As displayed in Figure V-7 and V-8;

"illness" is equivalent to response 63.1 (showing specific nature of illness).

"kind" is equivalent to response 63.2 (showing only type of absence).

"general" is equivalent to response 63.3 (without showing the type of absence).

"none" is equivalent to response 63.4 (no).



NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. V-5

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH KEEP ANY TYPE OF ABSENTEEISM RECORDS

MAJOR GROUP	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	3955* (1254) 71.1%	70* (67) 100.0%	...	4025* (1239) 71.5%	81430* (26343) 78.5%	7009* (6680) 100.0%	...	88439* (25205) 79.9%
13	4334 (985) 50.4%	878* (314) 86.1%	46* (52) 100.0%	5258 (1083) 54.4%	108390 (17365) 51.9%	149377* (51226) 85.9%	31383* (35291) 100.0%	289150* (80331) 69.8%
15-17	56414 (2751) 59.8%	2685 (411) 64.8%	226* (134) 93.3%	59325 (2629) 60.1%	1337501 (59417) 63.7%	501003 (85687) 68.0%	223177* (99426) 94.5%	2061681 (113288) 67.1%
20-39	122473 (3237) 79.9%	30727 (2019) 96.8%	6216 (154) 99.1%	159416 (3748) 83.3%	3887097 (60502) 84.2%	6220548 (379246) 97.5%	8217988 (237695) 99.4%	18325633 (524136) 95.1%
40-49	45104 (3291) 84.9%	5550 (1014) 95.0%	415* (136) 88.8%	51070 (3693) 85.9%	1253090 (112940) 87.4%	1115310 (220025) 96.7%	535872 (108960) 93.4%	2904272 (284080) 91.9%
50-59	44614 (2812) 76.4%	2564* (719) 96.4%	...	47178 (3034) 77.3%	902762 (64613) 80.3%	396758* (110002) 97.0%	...	1299520 (142808) 84.8%
70-79	48476 (3043) 66.3%	2278 (350) 97.1%	319* (150) 90.0%	51073 (3048) 67.3%	1004327 (73990) 72.1%	447650 (65686) 96.4%	311007* (124121) 91.6%	1762985 (140642) 80.2%
80	2368* (723) 83.4%	2038 (248) 94.1%	2031 (297) 98.6%	6438 (731) 91.1%	88104 (20474) 86.7%	516278 (75688) 96.6%	2952131 (345917) 97.7%	3556513 (334457) 97.2%
ALL	327738 (7008) 73.0%	46791 (2465) 93.6%	9253 (417) 98.0%	383782 (7505) 75.4%	8662702 (176098) 78.2%	9353934 (473702) 94.9%	12271558 (463213) 98.4%	30288193 (726208) 90.7%

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

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
KEEP ANY TYPE OF ABSENTEEISM RECORDS

SIC CODE	PLANTS			TOTAL	EMPLOYEES			TOTAL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)		SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	3955* (1254) 71.1%	70* (67) 100.0%	...	4025* (1239) 71.5%	81430* (26343) 78.5%	7009* (6680) 100.0%	...	88439* (25205) 79.9%
13	4334 (985) 50.4%	878* (314) 86.1%	46* (52) 100.0%	5258 (1083) 54.4%	108390 (17365) 51.9%	149377* (51226) 85.9%	31383* (35291) 100.0%	289150* (80331) 69.8%
15	12788 (1202) 51.3%	917 (197) 82.8%	119* (100) 87.9%	13824 (1244) 52.8%	303636 (29854) 53.9%	157977 (35380) 79.7%	121919* (71252) 90.4%	583532 (79388) 65.1%
16	7106 (1400) 63.0%	810* (230) 72.4%	107* (67) 100.0%	8023 (1383) 64.1%	175994 (42024) 62.0%	157276* (46177) 75.7%	101258* (53561) 100.0%	434528 (75586) 73.3%
17	36520 (2312) 62.8%	958* (310) 49.9%	...	37478 (2287) 62.4%	857872 (44441) 68.5%	185750* (63817) 56.1%	...	1043621 (64651) 65.9%
20	8413 (706) 73.7%	3137 (430) 97.5%	559 (121) 100.0%	12109 (782) 79.7%	303971 (20131) 78.3%	660959 (102923) 98.1%	491775 (104930) 100.0%	1456704 (11153) 93.7%
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	1869 (399) 63.7%	1501 (180) 94.6%	299* (80) 99.9%	3669 (475) 76.1%	71082 (15457) 67.0%	335910 (31168) 96.8%	261093* (94186) 100.0%	668086 (93611) 93.5%
23	8211 (676) 65.6%	2846 (140) 91.7%	242* (93) 100.0%	11299 (638) 71.3%	298763 (16040) 70.5%	569162 (34542) 93.3%	208437* (79559) 100.0%	1076362 (78832) 86.6%
24	7760 (789) 72.4%	1148 (128) 100.0%	104* (74) 100.0%	9012 (821) 75.3%	242221 (23515) 79.8%	183585 (22297) 100.0%	92355* (52501) 100.0%	518161 (73582) 89.4%
25	3415 (500) 82.0%	1062 (133) 100.0%	119* (75) 99.6%	4595 (533) 86.0%	120452 (19104) 86.6%	256443 (35488) 100.0%	122998* (62394) 100.0%	499893 (75971) 96.4%
26	4081 (779) 99.2%	1532 (215) 97.7%	214* (73) 100.0%	5827 (774) 98.8%	135655 (18395) 98.5%	277831 (47082) 98.7%	206864* (65220) 100.0%	620350 (87283) 99.1%
27	13514 (1276) 74.6%	1730 (205) 92.4%	316* (115) 100.0%	15560 (1256) 76.6%	385465 (22362) 80.6%	331072 (53635) 91.7%	345750 (80151) 100.0%	1062287 (114081) 89.7%
28	5467 (452) 88.6%	1160 (93) 100.0%	380 (63) 100.0%	7008 (444) 90.9%	167797 (8145) 92.8%	260831 (27986) 100.0%	476341 (101388) 100.0%	904969 (104933) 98.6%
29	849* (458) 84.0%	293* (125) 100.0%	101* (42) 100.0%	1243* (512) 88.5%	31201* (14872) 76.1%	63255* (21394) 100.0%	117545* (70259) 100.0%	212002* (80585) 95.6%
30	6321 (1171) 94.2%	1537 (382) 100.0%	224* (73) 99.9%	8082 (1326) 95.4%	214125 (28536) 95.2%	294530* (81731) 100.0%	233647* (72848) 100.0%	742301 (109603) 98.6%
31	768* (390) 82.5%	510* (137) 89.6%	25* (24) 100.0%	1303* (410) 85.4%	19341* (8603) 77.7%	125238* (36115) 92.5%	15664* (16901) 100.0%	160243 (39509) 91.0%
32	6001 (800) 68.2%	1012 (142) 100.0%	184* (71) 99.9%	7197 (822) 72.0%	179385 (17574) 75.6%	208984 (30484) 100.0%	128993* (49687) 100.0%	517362 (46455) 90.0%
33	3773 (506) 91.3%	1468 (138) 100.0%	337 (62) 100.0%	5578 (529) 93.9%	130287 (12262) 94.1%	311081 (30513) 100.0%	621499 (82456) 100.0%	1062866 (83638) 99.2%

NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983)

TABLE NO. V-6 (CONTINUED)

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	15646 (1212) 84.5%	2856 (199) 91.5%	346 (83) 99.9%	18848 (1181) 85.7%	490917 (15064) 88.5%	563190 (32520) 94.4%	351056* (100266) 100.0%	1405163 (106073) 93.5%
35	18711 (1529) 82.6%	3325 (135) 97.7%	768 (85) 98.0%	22804 (1538) 85.0%	515781 (20702) 85.0%	645491 (8001) 97.6%	1104783 (152705) 99.3%	2266056 (154754) 95.2%
36	6045 (611) 85.1%	2665 (88) 99.2%	765 (169) 97.2%	9474 (599) 89.6%	207640 (16097) 90.1%	549960 (2531) 99.5%	1169919 (195489) 98.9%	1927519 (192458) 98.1%
37	3718 (883) 93.6%	1190 (102) 100.0%	416 (92) 99.9%	5323 (857) 95.4%	117740 (18377) 92.7%	239184 (28491) 100.0%	1514008 (247233) 100.0%	1870933 (241924) 99.5%
38	2447 (411) 91.0%	957 (86) 100.0%	400* (134) 96.1%	3804 (478) 93.6%	101520 (13359) 97.1%	194393 (19871) 100.0%	433758* (118281) 94.2%	729671 (125714) 96.1%
39	5435 (520) 82.9%	798* (1475) 100.0%	338* (216) 100.0%	6571 (1500) 85.5%	151887 (13223) 91.6%	149449* (273871) 100.0%	209369* (120490) 100.0%	510706* (258696) 97.3%
41	3431 (766) 77.6%	510* (178) 100.0%	...	3941 (806) 79.9%	86869 (18850) 73.8%	81542* (35755) 100.0%	...	168411 (40382) 84.6%
42	17459 (1966) 87.2%	1364 (319) 92.1%	82* (54) 99.5%	18905 (2076) 87.6%	441092 (50989) 90.4%	246831 (56609) 95.4%	74830* (49333) 100.0%	762753 (71771) 92.9%
45	2838* (858) 87.6%	590* (397) 99.9%	147* (57) 100.0%	3575 (887) 89.9%	74273* (20648) 95.8%	109332* (75829) 100.0%	264255* (77656) 100.0%	447860 (100535) 99.3%
48	10613 (1867) 72.2%	902 (183) 100.0%	34* (21) 99.0%	11548 (1916) 73.9%	325676 (78970) 76.5%	176322 (39398) 100.0%	70083* (43687) 100.0%	572081 (104032) 85.1%
49	8215 (1754) 100.0%	1862* (567) 100.0%	153* (100) 88.3%	10230 (1962) 99.8%	269370 (58035) 100.0%	425470* (151076) 100.0%	126704* (65426) 86.4%	821543 (186040) 97.6%
50	25073 (2045) 82.6%	1799* (476) 99.8%	...	26872 (2081) 83.6%	531227 (57351) 84.3%	282584* (78924) 99.8%	...	813811 (111412) 89.1%
51	6175 (1105) 67.8%	237* (237) 100.0%	...	6412 (1221) 68.6%	135797 (28997) 73.4%	27013* (27013) 100.0%	...	162809* (48447) 76.8%
55	13366 (2261) 70.6%	528* (475) 85.2%	...	13894 (2534) 71.1%	235737 (46459) 76.3%	87162* (78399) 88.4%	...	322899* (104117) 79.2%
72	12622 (1857) 61.2%	675* (190) 100.0%	13* (19) 100.0%	13311 (1917) 62.4%	262280 (41296) 69.0%	82220* (24190) 100.0%	10670* (15114) 100.0%	355170 (54774) 75.1%
73	12303 (1535) 74.2%	1421 (240) 95.4%	305* (141) 89.5%	14028 (1495) 76.2%	318880 (49528) 75.7%	332851 (53018) 95.2%	300337* (117521) 91.3%	952068 (125047) 86.5%
75	15743 (3059) 60.1%	59* (60) 99.7%	...	15801 (3075) 60.2%	269600 (46819) 65.2%	8238* (8380) 100.0%	...	277838 (48636) 65.9%
76	7809 (1947) 80.1%	123* (94) 100.0%	...	7932* (1988) 80.3%	153569 (28780) 86.1%	24341* (19716) 100.0%	...	177910 (40637) 87.7%
80	2368* (723) 83.4%	2038 (248) 94.1%	2031 (297) 98.6%	6438 (731) 91.1%	88104 (20474) 86.7%	516278 (75688) 96.6%	2952131 (345917) 97.7%	3556513 (334457) 97.2%
ALL	325192 (6417) 72.8%	46516 (875) 93.9%	9253 (393) 98.2%	380960 (6537) 75.3%	8606893 (149287) 78.1%	9293726 (127594) 95.1%	12271558 (471608) 98.5%	30172177 (536382) 90.7%

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

FIGURE V - 6
PLANTS WHICH KEEP ABSENTEEISM RECORDS
(NOES 1981-1983)

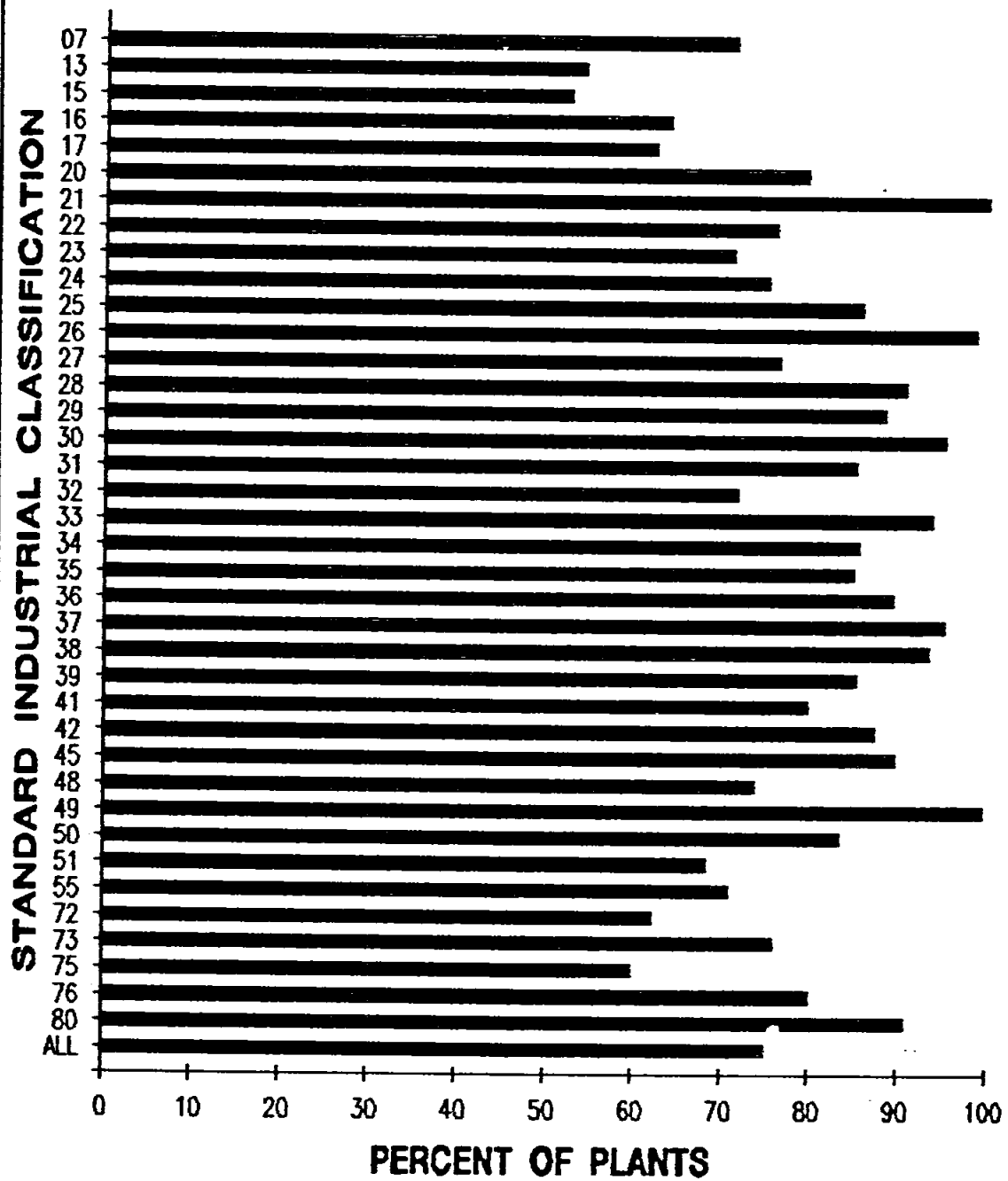


FIGURE V - 7
WORKERS IN PLANTS WHICH KEEP ABSENTEEISM
RECORDS BY PLANT SIZE AND RECORD TYPE
(NOES 1981-1983)

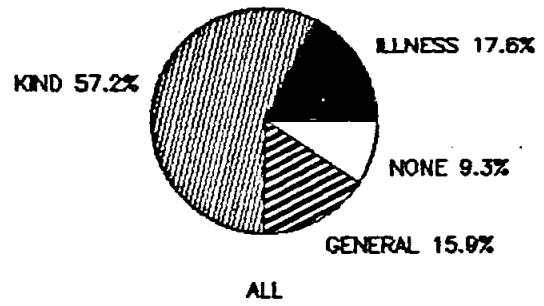
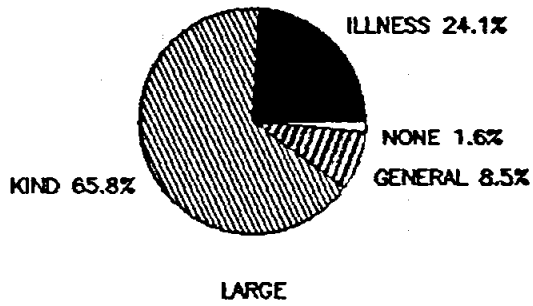
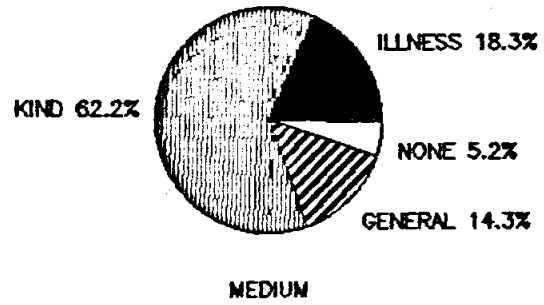
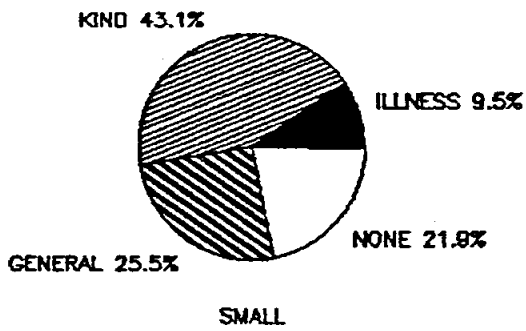
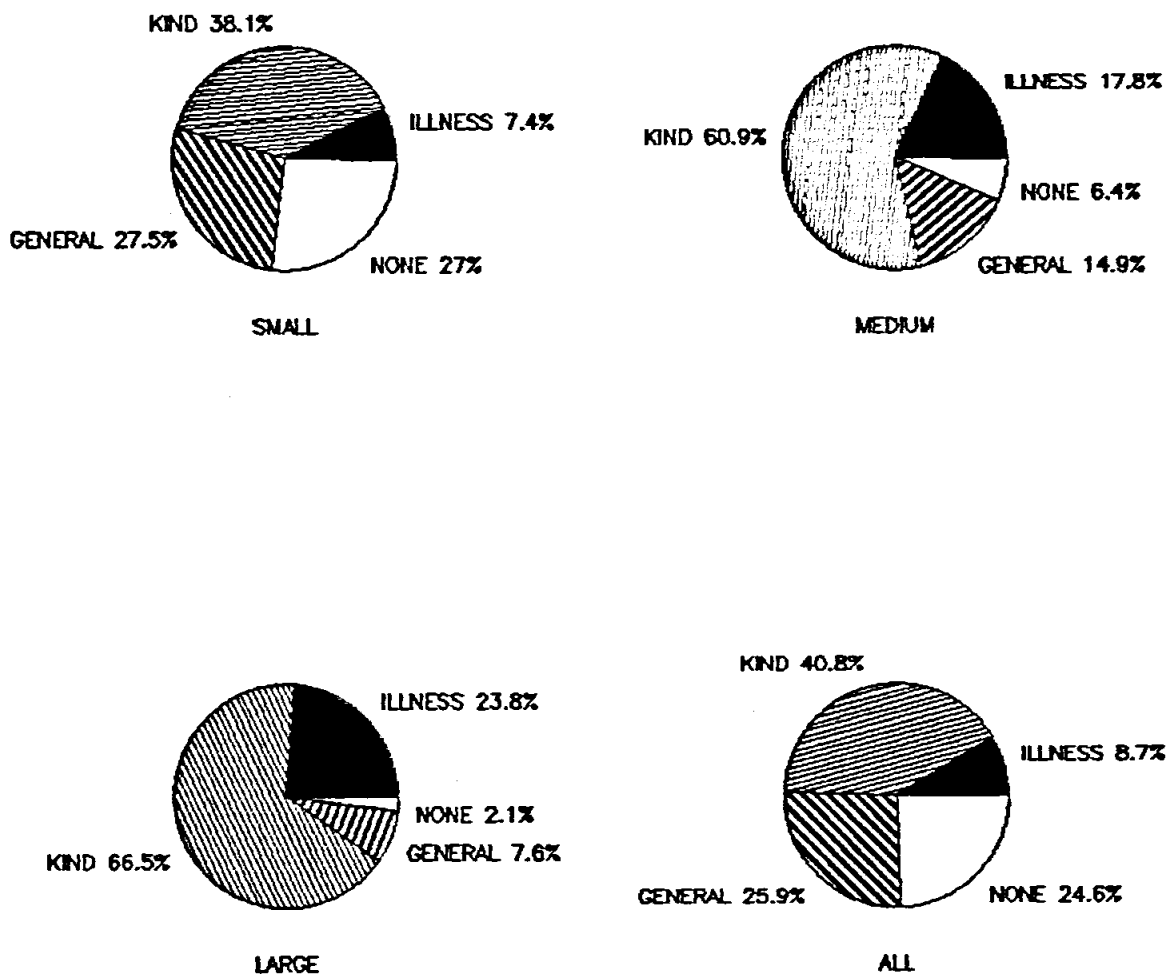


FIGURE V - 8
PLANTS WHICH MAINTAIN ABSENTEEISM
RECORDS BY PLANT SIZE AND RECORD TYPE
(NOES 1981-1983)



NOES QUESTIONNAIRE ITEM NO. 64
Unscheduled Absenteeism Rate

Intent

The intent of this question was to determine the unscheduled absenteeism rate due to illness or injury.

This item was displayed on the questionnaire as:

64. What is your rate of unscheduled absenteeism?

___ days per employee per year (If unknown, code "U K")

Notes

"Unscheduled absenteeism" was defined as the failure of an employee to report for work when scheduled. "Rate" was defined as the number of days per year per employee.

Employee absenteeism due to vacations, jury duty, pre-arranged personal leave, maternity leave, strikes, layoffs, or weather-related work cancellations was not considered unscheduled absenteeism.

A work year was considered to be 240 days per year, in those cases where calculations were performed by survey personnel.

Response coded "999", or unknown, were discarded in calculating the average unscheduled absenteeism rates displayed in the accompanying Figures and Tables.

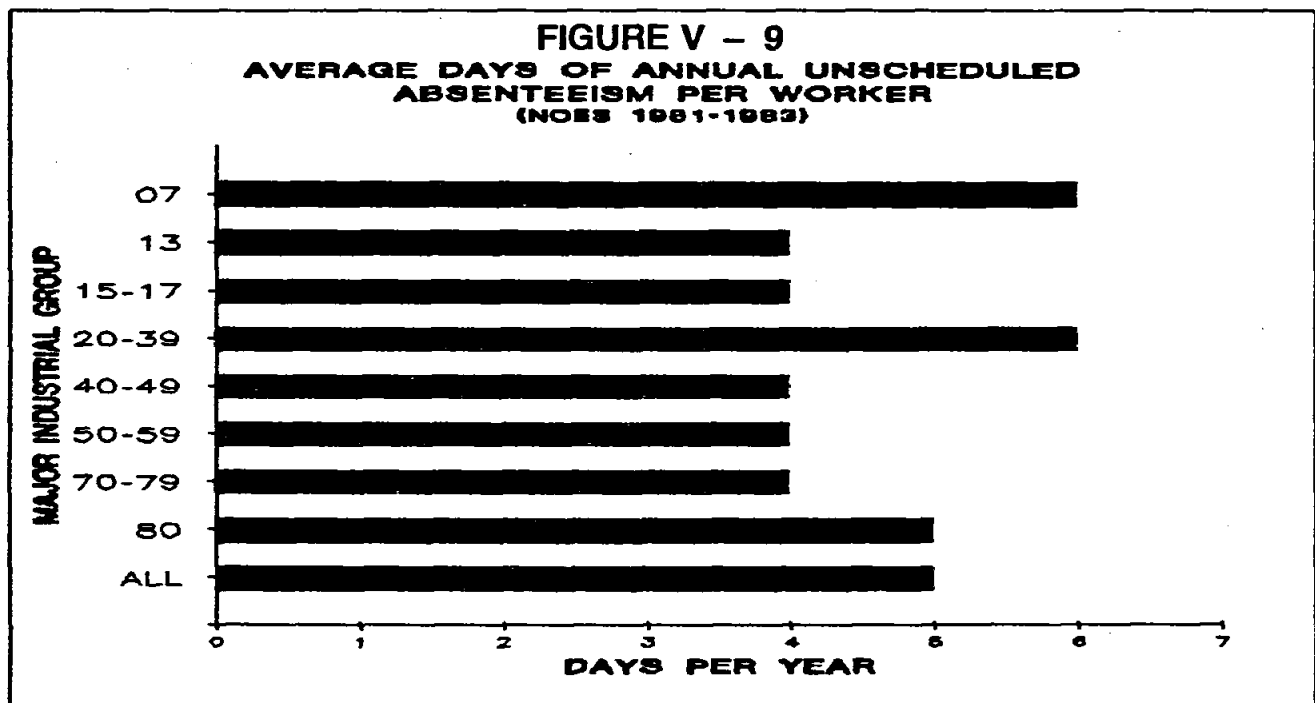
Analysis

One analysis of the responses to question 64 is presented.

Response 64 - Average unscheduled absenteeism rate

Estimates of the average unscheduled absenteeism rate (days per employee per year) is displayed in Figures V-9 and V-10, and Tables V-7 and V-8.

Figure V-9	Average days of annual unscheduled absenteeism per worker (by major industrial group)
Figure V-10	Average days of annual unscheduled absenteeism per worker (by 2-digit SIC)
Table V-7	Average unscheduled absenteeism rate (days per worker per year) (by major industrial group)
Table V-8	Average unscheduled absenteeism rate (days per worker per year) (by 2-digit SIC)



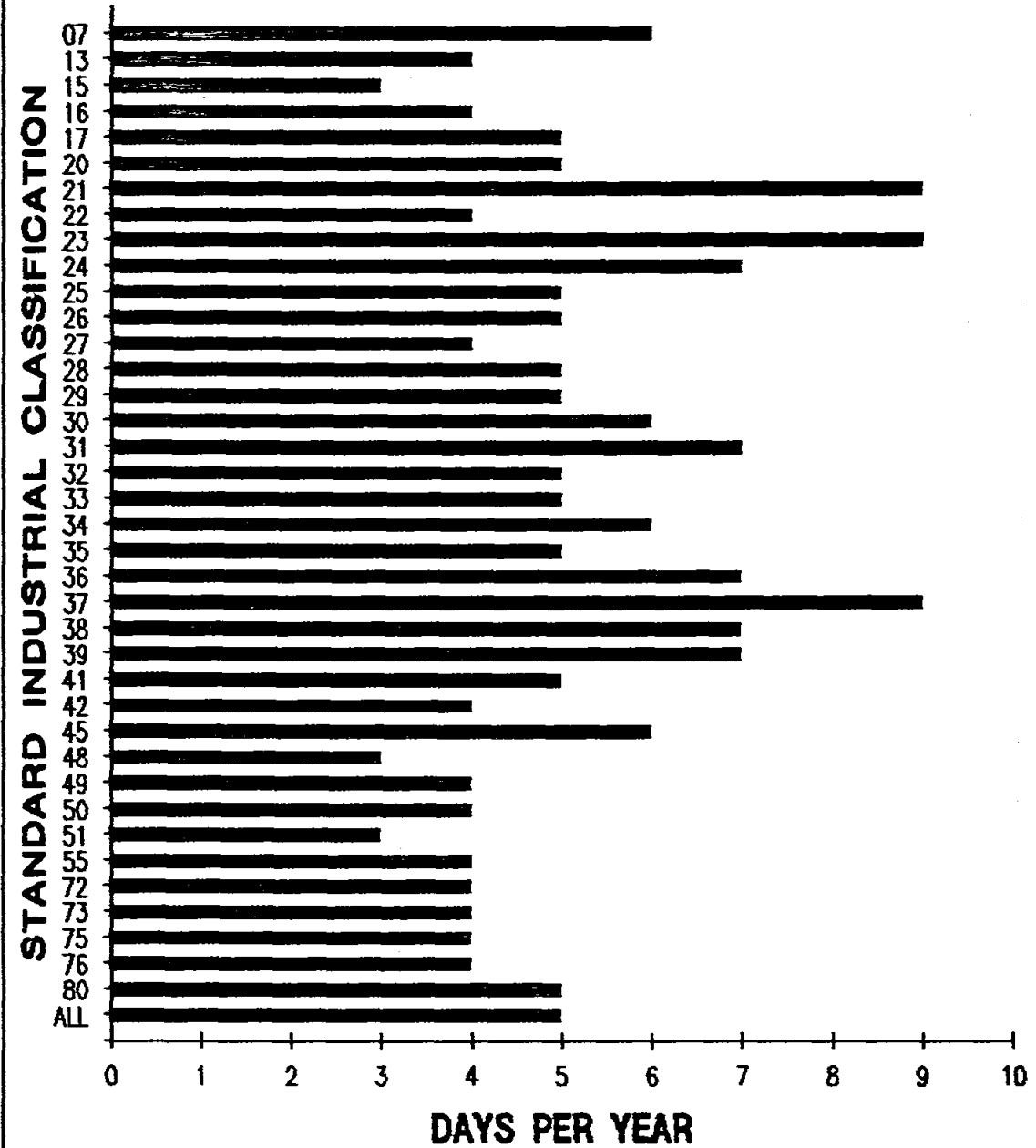
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. V-7

AVERAGE UNSCHEDULED ABSENTEEISM RATE (DAYS PER WORKER PER YEAR)

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

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

FIGURE V - 10
AVERAGE DAYS OF ANNUAL UNSCHEDULED
ABSENTEEISM PER WORKER
 (NOES 1981-1983)



AVERAGE UNSCHEDULED ABSENTEEISM RATE (DAYS PER WORKER PER YEAR)

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

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

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

NOES QUESTIONNAIRE ITEM NO. 65
Turnover Rate Among Non-Administrative Permanent Employees

Intent

The intent of this question was to determine an overall turnover rate for permanent employees in non-administrative positions.

This item was displayed on the questionnaire as:

65. What is your turnover rate among permanent employees in the nonadministrative areas?

___ % per year

Notes

Permanent employees are those workers expected to retain their positions on a long-term basis (more than one year). A non-administrative position is one which is directly involved with the production, packaging, inspecting, or shipping of the company product(s).

Any permanent employee who worked directly in the production, packaging, or shipping/receiving areas of the facility at least 50% of their work day was included in calculations of the turnover rate.

Temporary or seasonal employees were excluded from the calculations of turnover rate.

Analysis

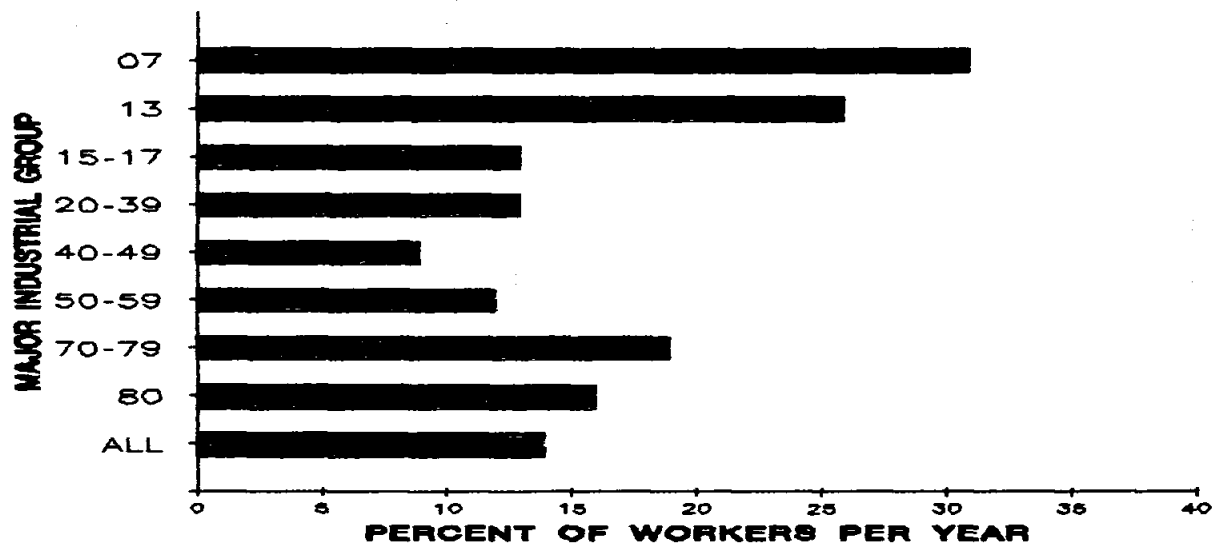
One analysis of the responses to question 65 is presented.

Response 65 - Average turnover rate among non-administrative permanent employees

Estimates of the average turnover rate among non-administrative permanent employees (percent of the workforce per year) are displayed in Figures V-11 and V-12, and Tables V-9 and V-10.

Figure V-11	Average turnover rate among non-administrative workers (by major industrial group)
Figure V-12	Average turnover rate among non-administrative workers (by 2-digit SIC)
Table V-9	Average turnover rate (% per year) among permanent workers in non-administrative areas (by major industrial group)
Table V-10	Average turnover rate (% per year) among permanent workers in non-administrative areas (by 2-digit SIC)

FIGURE V - 11
AVERAGE TURNOVER RATE AMONG
NON-ADMINISTRATIVE WORKERS
(NOES 1981-1983)



NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. V-9

AVERAGE TURNOVER RATE (% PER YEAR) AMONG PERMANENT WORKERS IN NON-ADMINISTRATIVE AREAS

MAJOR GROUP	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	31* (8)	1* (1)	...	31 (7)
13	21* (10)	67* (28)	25* (18)	26* (10)
15-17	13 (1)	15 (3)	34* (33)	13 (1)
20-39	14 (1)	11 (1)	11 (2)	13 (1)
40-49	9 (1)	8* (2)	4* (1)	9 (1)
50-59	12 (2)	27* (13)	...	12 (2)
70-79	18 (4)	24 (5)	67* (35)	19 (4)
80	12* (4)	18 (2)	20 (1)	16 (2)
ALL	14 (1)	13 (1)	15 (2)	14 (1)

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

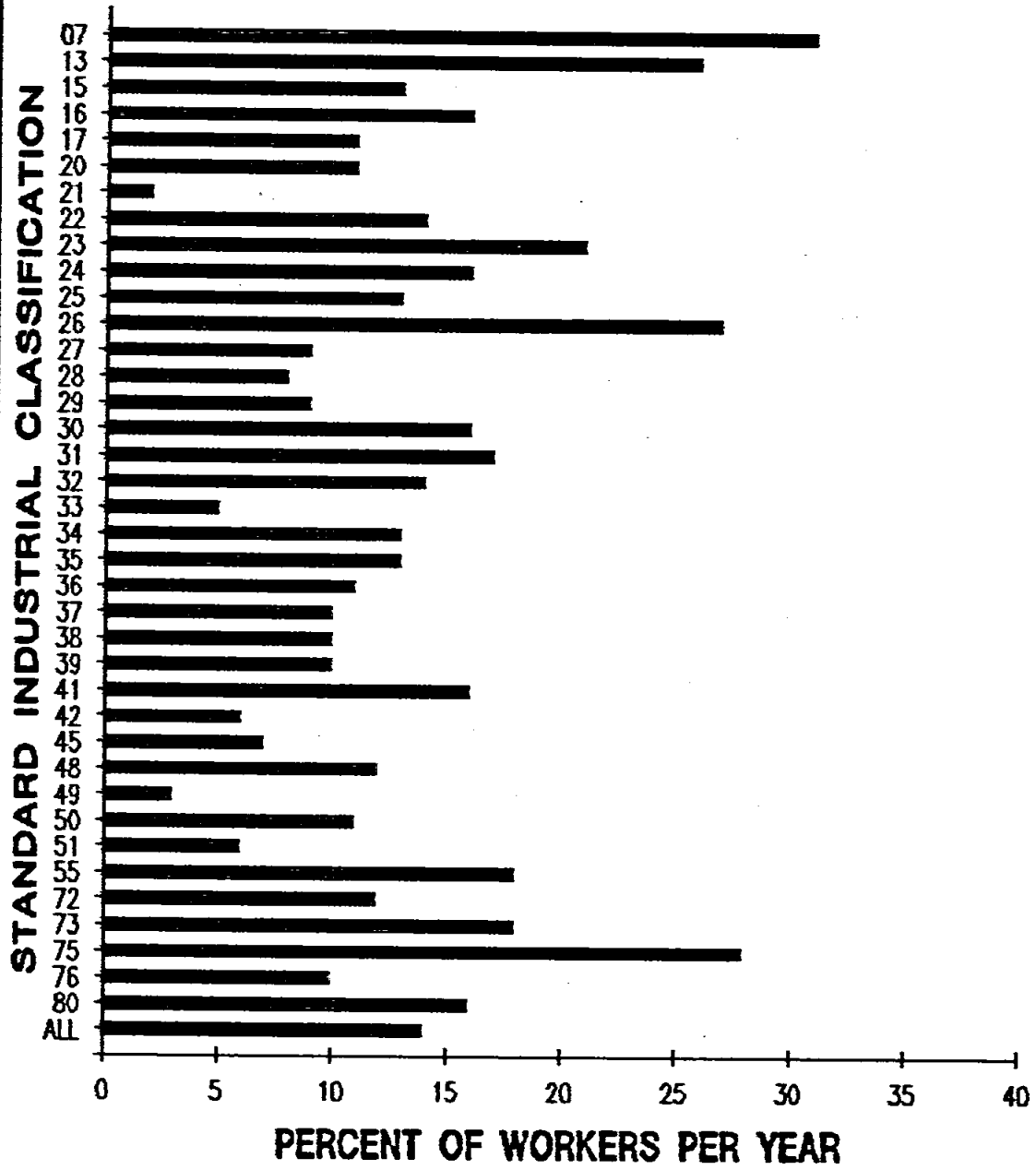
AVERAGE TURNOVER RATE (% PER YEAR) AMONG PERMANENT WORKERS IN NON-ADMINISTRATIVE AREAS

SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	31* (8)	1* (1)	...	31 (7)
13	21* (10)	67* (28)	25* (18)	26* (10)
14	13 (1)	15 (3)	34* (33)	13 (1)
15	16 (3)	31* (13)	61* (99)	16 (3)
16	16 (3)	10* (3)	8* (4)	16 (3)
17	11 (1)	11* (3)	...	11 (1)
19	14 (1)	11 (1)	11 (2)	13 (1)
20	10 (2)	11 (2)	20* (14)	11 (2)
21	1* (1)	...	2* (1)	2* (1)
22	13* (3)	13* (3)	21* (9)	14 (3)
23	22* (6)	16 (3)	25* (8)	21 (5)
24	16* (5)	20* (10)	2* (2)	16* (5)
25	13 (2)	12 (3)	23* (14)	13 (2)
26	38* (19)	5 (1)	3* (1)	27* (13)
27	9* (2)	10 (2)	6* (2)	9 (2)
28	8 (2)	7 (1)	3 (1)	8 (2)
29	13* (20)	1* (≥25)	5* (2)	9* (10)
30	16* (8)	16* (7)	11* (11)	16* (6)
31	22* (11)	12* (3)	7* (17)	17* (5)
32	15* (7)	11* (5)	4* (3)	14* (6)
33	5* (2)	6* (2)	9* (4)	5 (1)

SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
34	15 (3)	6 (1)	10* (3)	13 (2)
35	14 (2)	8 (1)	8 (2)	13 (1)
36	11* (4)	12 (2)	11 (2)	11* (3)
37	9* (3)	12* (5)	6* (2)	10 (1)
38	12* (5)	5* (2)	8* (4)	10* (3)
39	9* (3)	13 (3)	19* (8)	10 (2)
40	9 (1)	8* (2)	4* (1)	9 (1)
41	15* (6)	26* (6)	...	16* (6)
42	6 (1)	7* (2)	3* (1)	6 (1)
45	8* (4)	3* (2)	6* (3)	7* (3)
48	13 (3)	8 (2)	4* (3)	12 (3)
49	3 (1)	2* (1)	4* (2)	3 (1)
50	12 (2)	27* (13)	...	12 (2)
50	11 (2)	12* (5)	...	11 (2)
51	6* (2)	...	...	6* (2)
55	16* (4)	78* (120)	...	18 (4)
70	18 (4)	24 (5)	67* (35)	19 (4)
72	12 (3)	19* (7)	20* (14)	12 (3)
73	16 (4)	25 (5)	69* (36)	18 (4)
75	28* (10)	...	...	28* (10)
76	10* (4)	43* (36)	...	10* (4)
80	12* (4)	18 (2)	20 (1)	16 (2)
ALL	14 (1)	13 (1)	15 (2)	14 (1)

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

FIGURE V - 12
AVERAGE TURNOVER RATE AMONG
NON-ADMINISTRATIVE WORKERS
(NOES 1981-1983)



**NOES QUESTIONNAIRE ITEM NO. 66
Industry Maintenance of the OSHA 200 Form**

Intent

The intent of this question was to determine if facilities were maintaining the Summary of Occupational Injuries and Illnesses Form (OSHA 200) and to extract data from it.

This item was displayed on the questionnaire as:

66. May I see the latest Summary of Occupational Injuries and Illnesses Form (OSHA Form 200)? (OSHA regulations provide for inspection by NIOSH).

- 1 Yes
- 2 No (or company does not keep one)

SURVEYOR: COPY THE FOLLOWING INFORMATION FROM THE OSHA FORM 200

Occupational Injuries

- a. Number of deaths (column 1) _____
- b. Number of injuries with lost workdays (column 3) _____
- c. Number of injuries without lost workdays (column 6) _____

Occupational Illnesses

- a. Skin diseases or disorders (column 7a) _____
- b. Dust diseases of the lungs (column 7b) _____
- c. Respiratory conditions due to toxic agents (column 7c) _____
- d. Poisoning (systematic effects of toxic material) (column 7d) _____
- e. Disorders due to physical agents (column 7e) _____
- f. Disorders associated with repeated trauma (column 7g) _____
- g. Deaths (column 8) _____
- h. Number of illnesses with lost workdays (column 10) _____
- i. Number of illnesses without lost workdays (column 13) _____

Notes

If the surveyed facility kept, and allowed access to the OSHA 200 form, a "yes" response was encoded, crediting the facility with maintaining the OSHA 200 form. If the facility refused access, or did not maintain the form, a "no" response was encoded.

In the case of access to the OSHA 200 form, field surveyors recorded the data as it existed on the copy maintained by the facility.

Examination of the question 66 information gathered during the survey changed the original intentions for data publication. First, approximately 28% of all the facilities surveyed did not maintain the OSHA 200 form. Second, viewing the data collected from the facilities which did maintain the form yielded less data than had been anticipated. For example, of the 3,219 OSHA 200 forms reviewed, 52 had data for number of deaths. The combination of these factors, in the view of the authors, created a situation where the data formats seen in this volume could not be created with a reasonable expectation of confidence in the accuracy of the published data. While the authors would be happy to share the accumulated injury/illness data with interested persons, we would suggest that access to the files maintained by the Bureau of Labor Statistics in their much larger inventory of OSHA 200 data would prove to be far more fruitful.

Accordingly, the authors elected to simply present an analysis of facility compliance with requirements to maintain an OSHA 200 log as observed in the survey sample frame.

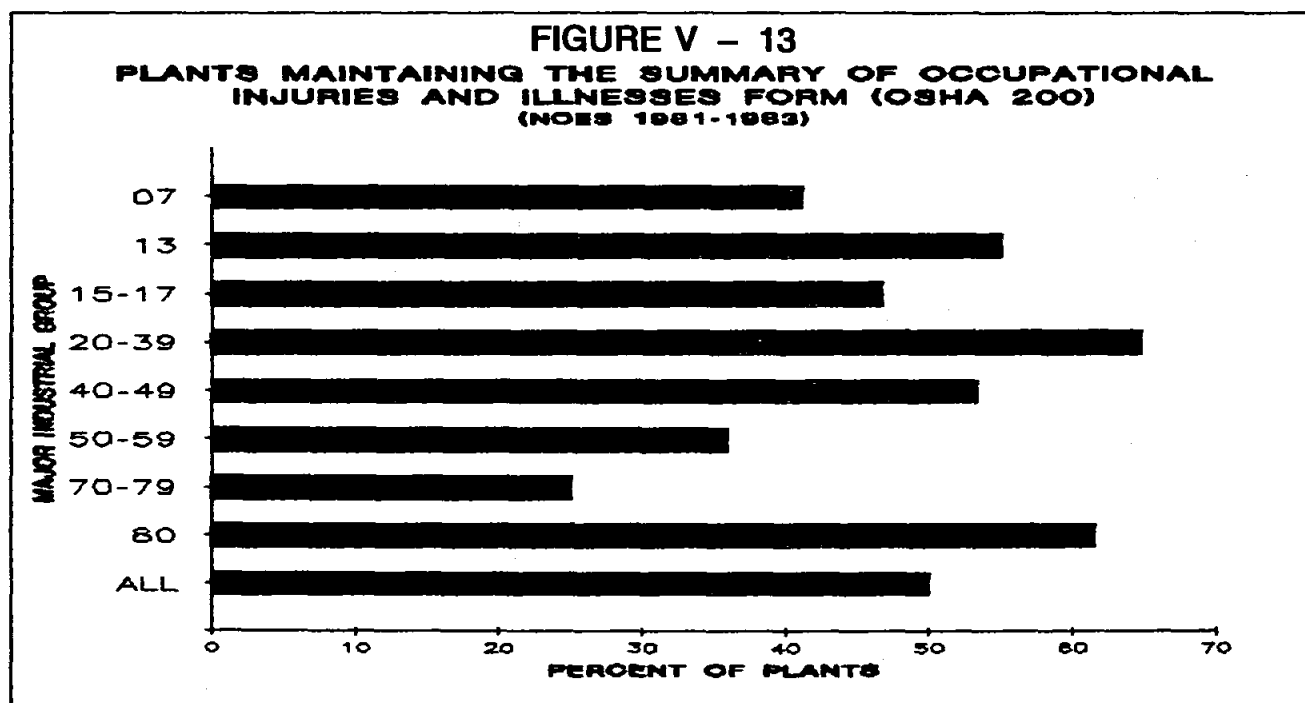
Analysis

One analysis of the responses to question 66 is presented.

Response 66.1 - An OSHA form 200 is maintained

Estimates of the plants which maintain the OSHA 200 form, and workers in those plants (by number and proportion of the total) are displayed in Figures V-13 and V-14, and Tables V-11 and V-12.

- | | |
|-------------|---|
| Figure V-13 | Plants maintaining the Summary of Occupational Injuries and Illnesses Form (OSHA 200)
(by major industrial group) |
| Figure V-14 | Plants maintaining the Summary of Occupational Injuries and Illnesses Form (OSHA 200)
(by 2-digit SIC) |
| Figure V-15 | Plants which maintain the Summary of Occupational Injuries and Illness Form by plant size |
| Table V-11 | Number and percent of plants and employees in plants which maintain the Summary of Occupational Injuries and Illnesses Form (by major industrial group) |
| Table V-12 | Number and percent of plants and employees in plants which maintain the Summary of Occupational Injuries and Illnesses Form (by 2-digit SIC) |



NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. V-11

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
MAINTAIN THE SUMMARY OF OCCUPATIONAL INJURIES AND ILLNESSES FORM

MAJOR GROUP	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	2254* (1022) 40.5%	70* (67) 100.0%	...	2325* (1004) 41.3%	54895* (25360) 52.9%	7009* (6680) 100.0%	...	61905* (24034) 55.9%
13	4653 (1001) 54.1%	637* (187) 62.5%	46* (52) 100.0%	5336 (1023) 55.2%	130248 (25153) 62.3%	124996* (38715) 71.9%	31383* (35291) 100.0%	286627 (61586) 69.2%
15-17	42372 (2672) 44.9%	3707 (509) 89.4%	224* (134) 92.4%	46303 (2724) 46.9%	1138499 (59086) 54.2%	672518 (99365) 91.2%	214639* (98391) 90.9%	2025656 (138372) 65.9%
20-39	88913 (2990) 58.0%	29219 (1767) 92.0%	6220 (166) 99.2%	124352 (3547) 65.0%	3197828 (76345) 69.3%	5930152 (364968) 92.9%	8191326 (257224) 99.1%	17319306 (540281) 89.9%
40-49	26655 (2299) 50.1%	4729 (901) 80.9%	415* (136) 88.8%	31799 (2654) 53.5%	866714 (98942) 60.4%	948030 (207051) 82.2%	535872 (108960) 93.4%	2350616 (258328) 74.4%
50-59	19885 (2159) 34.1%	2158* (564) 81.1%	...	22043 (2123) 36.1%	494763 (63324) 44.0%	352501* (97493) 86.2%	...	847264 (108307) 55.3%
70-79	17234 (2473) 23.6%	1540 (257) 65.7%	311* (139) 88.0%	19085 (2457) 25.2%	406591 (67527) 29.2%	329911 (50374) 71.0%	299334* (123864) 88.2%	1035837 (117166) 47.1%
80	1151* (407) 40.5%	1419 (196) 65.5%	1794 (274) 87.0%	4363 (408) 61.7%	53970 (13105) 53.1%	383347 (53761) 71.7%	2484020 (311365) 82.2%	2921337 (305965) 79.8%
ALL	203118 (5861) 45.2%	43478 (2157) 87.0%	9011 (402) 95.4%	255607 (6310) 50.2%	6343508 (170665) 57.3%	8748464 (449913) 88.7%	11756574 (448612) 94.3%	26848546 (707974) 80.4%

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

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH MAINTAIN THE SUMMARY OF OCCUPATIONAL INJURIES AND ILLNESSES FORM

SIC CODE	PLANTS			TOTAL	EMPLOYEES			TOTAL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)		SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	
07	2254* (1022) 40.5%	70* (67) 100.0%	...	2325* (1004) 41.3%	54895* (25360) 52.9%	7009* (6680) 100.0%	...	61905* (24034) 55.9%
13	4653 (1001) 54.1%	637* (187) 62.5%	46* (52) 100.0%	5336 (1023) 55.2%	130248 (25153) 62.3%	124996* (38715) 71.9%	31383* (35291) 100.0%	286627 (61586) 69.2%
15	12587 (1456) 50.5%	1037 (217) 93.7%	135* (100) 100.0%	13759 (1537) 52.6%	324301 (41334) 57.6%	184181 (39465) 92.9%	134799* (71218) 100.0%	643282 (92080) 71.8%
16	6077 (1023) 53.9%	1021 (185) 91.2%	88* (65) 82.7%	7187 (994) 57.4%	176197 (27942) 62.0%	197967 (44608) 95.3%	79840* (49834) 78.8%	454004 (68223) 76.5%
17	23707 (2041) 40.8%	1649 (381) 86.0%	...	25357 (2100) 42.2%	638001 (38718) 51.0%	290370* (74279) 87.7%	...	928371 (86104) 58.6%
20	8137 (513) 71.3%	2921 (445) 90.8%	559 (121) 100.0%	11617 (711) 76.5%	315192 (12081) 81.7%	609815 (99692) 90.5%	491775 (104930) 100.0%	1416782 (110090) 91.2%
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	1796 (397) 61.3%	1404 (188) 88.4%	299* (80) 99.9%	3499 (488) 72.6%	77455 (10201) 73.0%	317344 (34787) 91.4%	261093* (94186) 100.0%	655891 (90458) 91.8%
23	4590 (652) 36.7%	2614 (175) 84.3%	242* (93) 100.0%	7447 (705) 47.0%	185240 (29126) 43.7%	529386 (30943) 86.8%	208437* (79559) 100.0%	923063 (85260) 74.3%
24	7177 (987) 67.0%	1148 (128) 100.0%	104* (74) 100.0%	8429 (999) 70.5%	250715 (27296) 82.6%	183585 (22297) 100.0%	92355* (52501) 100.0%	526655 (77056) 90.9%
25	1862 (407) 44.7%	1045 (135) 98.4%	119* (75) 99.6%	3026 (421) 56.6%	82939* (22793) 59.6%	250868 (35822) 97.8%	122998* (62394) 100.0%	456805 (74077) 88.1%
26	2659 (615) 64.6%	1454 (218) 92.7%	214* (73) 100.0%	4327 (845) 73.4%	113621 (18578) 82.5%	261227 (46393) 92.8%	206864* (65220) 100.0%	581712 (85737) 92.9%
27	7018 (814) 38.7%	1795 (173) 95.8%	316* (115) 100.0%	9129 (821) 45.0%	237243 (24891) 49.6%	349148 (48442) 96.7%	345750 (80151) 100.0%	932142 (114822) 78.7%
28	5010 (530) 81.2%	1116 (110) 96.2%	359 (63) 94.5%	6485 (509) 84.1%	153998 (6819) 85.2%	255912 (30212) 98.1%	456866 (97834) 95.9%	866776 (104224) 94.4%
29	581* (284) 57.4%	293* (125) 100.0%	101* (42) 100.0%	975* (329) 69.4%	34312* (16625) 83.7%	63255* (21394) 100.0%	117545* (70259) 100.0%	215112* (80699) 97.0%
30	4406 (716) 65.7%	1496* (384) 97.3%	224* (73) 99.9%	6125 (845) 72.3%	174773 (18246) 77.7%	288334* (82075) 97.9%	233647* (72848) 100.0%	696755 (103317) 92.5%
31	318* (257) 34.2%	469 (103) 82.4%	25* (24) 100.0%	812* (275) 53.3%	9905* (6167) 39.8%	111925* (28420) 82.6%	15664* (16901) 100.0%	137495 (34367) 78.1%
32	5201 (828) 59.1%	854 (141) 84.4%	184* (71) 99.9%	6239 (821) 62.4%	173311 (21483) 73.1%	188451 (33508) 90.2%	128993* (49687) 100.0%	490755 (51793) 85.3%
33	3030 (328) 73.3%	1466 (138) 99.9%	333 (62) 98.8%	4829 (353) 81.3%	118705 (9638) 85.7%	310774 (30441) 99.9%	588883 (103545) 94.8%	1018363 (108987) 95.1%

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
34	12286 (988) 66.3%	2975 (145) 95.3%	321* (87) 92.8%	15582 (947) 70.9%	409174 (25356) 73.7%	579827 (27847) 97.2%	329151* (102873) 93.8%	1318152 (112737) 87.7%
35	14007 (1166) 61.8%	3047 (171) 89.5%	784 (79) 100.0%	17838 (1173) 66.5%	445950 (18997) 73.5%	605303 (21547) 91.6%	1112933 (147534) 100.0%	2164186 (140666) 90.9%
36	3979 (705) 56.0%	2571 (121) 95.8%	787 (170) 100.0%	7337 (673) 69.4%	154349 (18059) 67.0%	531423 (12206) 96.2%	1182462 (196778) 100.0%	1868234 (199999) 95.0%
37	2469 (329) 62.1%	1129 (120) 94.9%	416 (92) 99.9%	4014 (315) 71.9%	109152 (14804) 85.9%	223952 (32525) 93.6%	1514008 (247233) 100.0%	1847113 (243256) 98.2%
38	1139* (290) 42.4%	823 (127) 86.0%	416* (139) 99.9%	2377 (372) 58.5%	54743 (9829) 52.3%	148549 (33335) 76.4%	460397* (129998) 100.0%	663689 (135769) 87.4%
39	3219* (828) 49.1%	598* (1095) 75.0%	338* (216) 100.0%	4155* (1423) 54.0%	95183 (19621) 57.4%	121074* (224335) 81.0%	209369* (120490) 100.0%	425626* (204102) 81.1%
41	1356* (645) 30.7%	175* (122) 34.2%	...	1530* (660) 31.0%	35323* (18309) 30.0%	24105* (16329) 29.6%	...	59428* (24332) 29.8%
42	9561 (1402) 47.7%	1063 (259) 71.8%	82* (54) 99.5%	10706 (1422) 49.6%	292595 (47724) 60.0%	185220 (41690) 71.6%	74830* (49333) 100.0%	552645 (58379) 67.3%
45	540* (390) 16.6%	590* (397) 99.9%	147* (57) 100.0%	1277* (498) 32.1%	23006* (14191) 29.7%	109332* (75829) 100.0%	264255* (77656) 100.0%	396592 (96628) 87.9%
48	7461 (1557) 50.7%	636* (213) 70.5%	34* (21) 99.0%	8130 (1614) 52.0%	263776* (72386) 62.0%	133288* (42421) 75.6%	70083* (43687) 100.0%	467148 (96445) 69.5%
49	6363* (1640) 77.5%	1862* (567) 100.0%	153* (100) 88.3%	8378 (1826) 81.7%	207331* (53201) 77.0%	425470* (151076) 100.0%	126704* (65426) 86.4%	759505 (172280) 90.3%
50	10199 (1570) 33.6%	1538* (392) 85.4%	...	11737 (1667) 36.5%	278569 (58543) 44.2%	253926* (72001) 89.7%	...	532495 (103325) 58.3%
51	4313* (1401) 47.3%	...	...	4313* (1401) 46.1%	100411* (36180) 54.3%	...	...	100411* (36180) 47.4%
55	5374* (1403) 28.4%	620* (491) 99.9%	...	5993* (1587) 30.7%	115782* (33147) 37.5%	98575* (80174) 100.0%	...	214357* (91709) 52.6%
72	3534* (884) 17.1%	429* (154) 63.6%	...	3963 (882) 18.6%	88530* (26632) 23.3%	55899* (20880) 68.0%	...	144429 (34467) 30.5%
73	4947 (965) 29.8%	988 (174) 66.3%	311* (139) 91.3%	6246 (943) 33.9%	141587 (30877) 33.6%	249671 (41245) 71.4%	299334* (123864) 91.0%	690593 (113940) 62.8%
75	4444* (1300) 17.0%	...	...	4444* (1300) 16.9%	86712* (25763) 21.0%	...	...	86712* (25763) 20.6%
76	4309* (1439) 44.2%	123* (94) 100.0%	...	4433* (1475) 44.9%	89762* (23296) 50.3%	24341* (19716) 100.0%	...	114103* (35282) 56.3%
80	1151* (407) 40.5%	1419 (196) 65.5%	1794 (274) 87.0%	4363 (408) 61.7%	53970 (13105) 53.1%	383347 (53761) 71.7%	2484020 (311365) 82.2%	2921337 (305965) 79.8%
ALL	201743 (6272) 45.2%	43075 (738) 86.9%	9011 (384) 95.6%	253828 (6045) 50.2%	6298825 (169346) 57.1%	8677850 (135245) 88.8%	11756574 (479000) 94.4%	26733249 (509562) 80.4%

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

FIGURE V - 14
PLANTS MAINTAINING THE SUMMARY OF OCCUPATIONAL
INJURIES AND ILLNESSES FORM (OSHA 200)
(NOES 1981-1983)

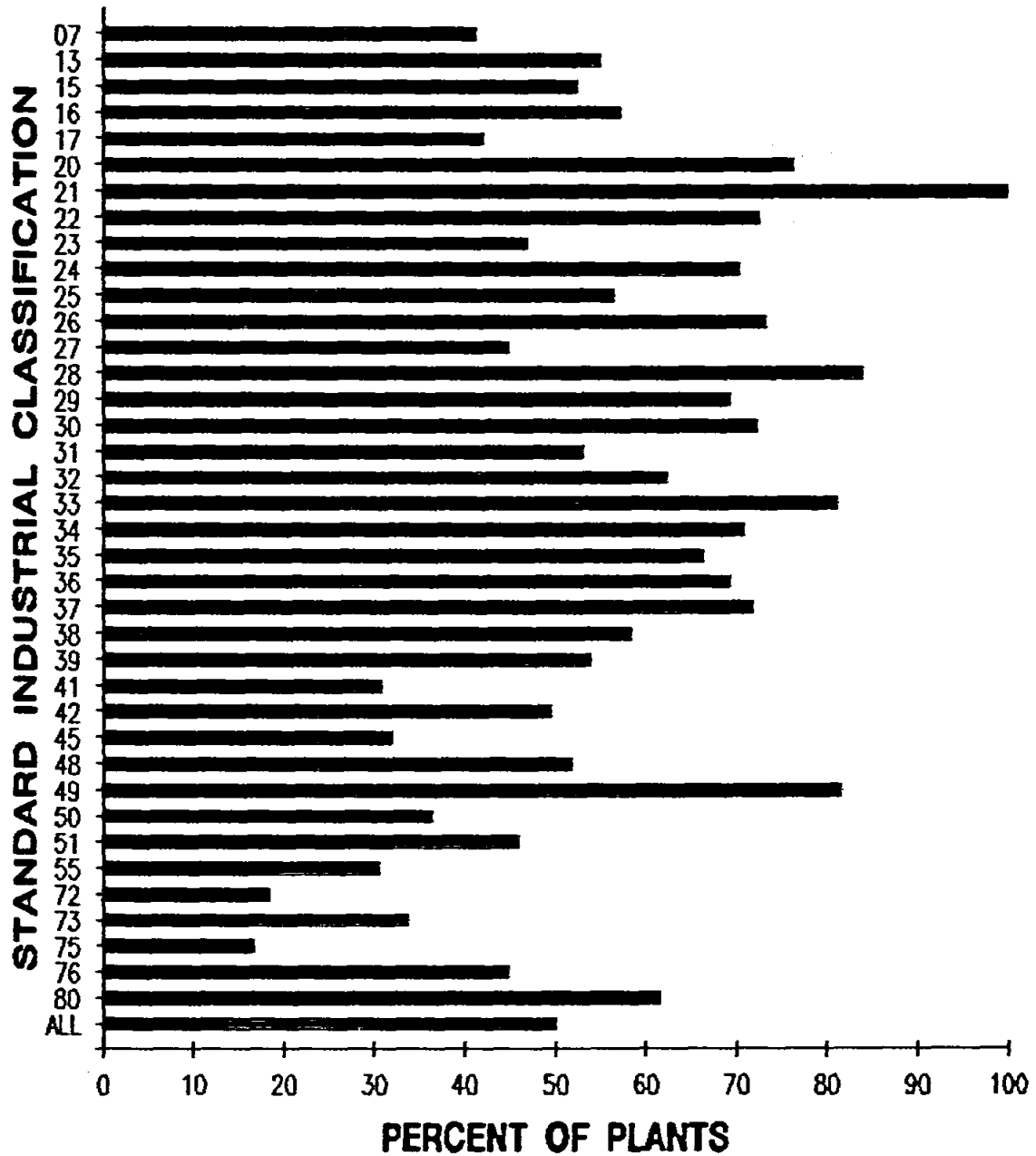


FIGURE V - 15
PLANTS WHICH MAINTAIN THE SUMMARY OF OCCUPATIONAL
INJURIES AND ILLNESSES FORM BY PLANT SIZE
(NOES 1981-1983)

