

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

Section II - Facility Characteristics

- years of operation
- number of shifts
- hours per shift
- male/female employment
- non-administrative workers
- labor unions

NOES QUESTIONNAIRE ITEM NO. 8
Years of Current Activity at Current Location

Intent

The intent of this question was to determine the length of time that the current facility had been used for the same type of work.

This item was displayed on the questionnaire as:

8. Approximately how many years has this facility been involved in this activity?

__ __ Years (if "unknown" code "U K _")

Notes

"Activity," as used in this question, is not limited to a single major industrial activity at the facility, but refers to all current industrial effort(s) at the facility.

The duration of current activity is based on use of the present site for that purpose, and represents the non-administrative industrial activity. For example, if the production area of the facility is 30 years old, but new management offices were built four years ago, the correct response to question 8 is 30.

Since the responses to this question are continuous variables, the data format differs from that of the discrete variables which was explained in the Introduction of this volume. The average number of years for facility size within Major Industrial Group or Standard Industrial Classification categories was calculated along with the standard error of that estimate, and both values displayed in the tabular format. Display of a percentage figure for the estimates is not applicable for continuous variable analysis as presented in this volume..

Analysis

One analysis of the responses to question 8 is presented.

Response 8 - Approximate number of years this facility has been involved in the current activity

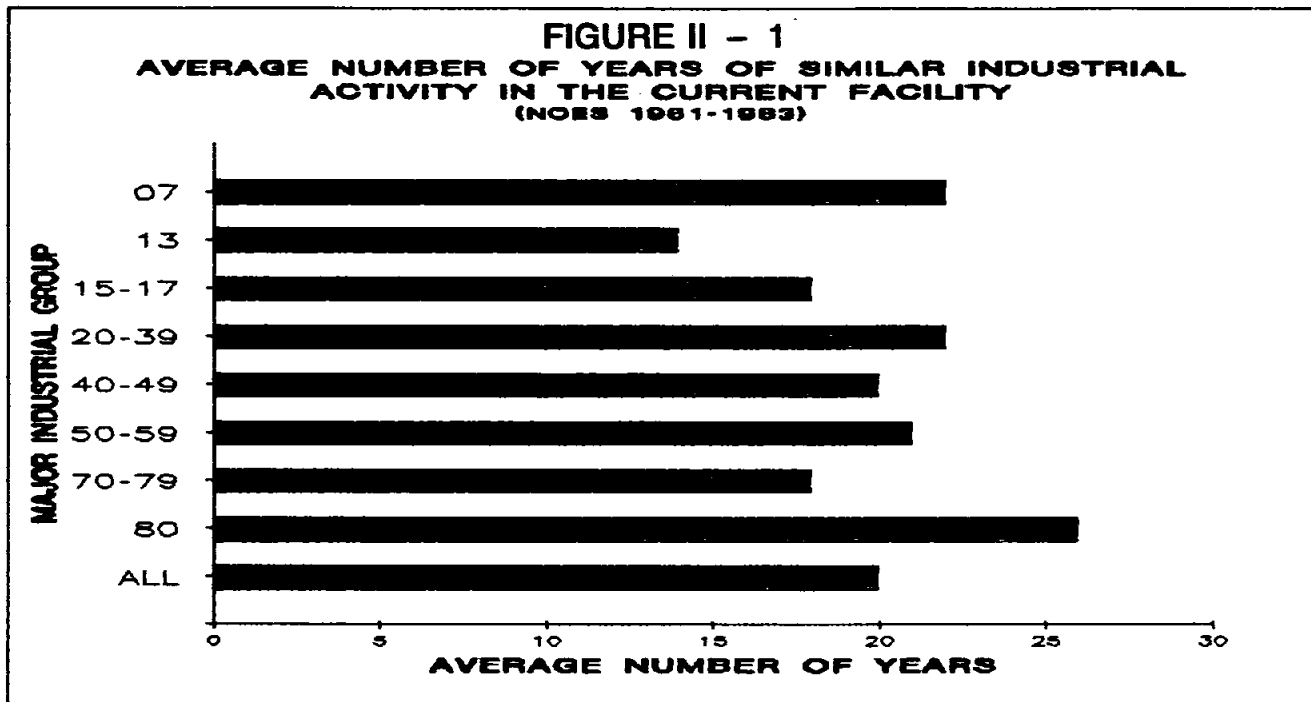
The estimates of the average number of years of current industrial activity at the present facilities by size within industrial classification category, and the standard error of those estimates are displayed in Figures II-1 and II-2, and Tables II-1 and II-2.

Figure II-1 Average number of years of similar industrial activity in the current facility (by major industrial group)

Figure II-2 Average number of years of similar industrial activity in the current facility (by 2-digit SIC)

Table II-1 **Average number of years that industrial facilities have been used for their current purpose (by major industrial group)**

Table II-2 **Average number of years that industrial facilities have been used for their current purpose (by 2-digit SIC)**



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

AVERAGE NUMBER OF YEARS THAT INDUSTRIAL FACILITIES HAVE BEEN USED FOR THEIR CURRENT PURPOSE

MAJOR GROUP	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	
07	22 (3)	3* (2)	...	22 (3)
13	14 (2)	16* (8)	25* (18)	14 (1)
15-17	18 (1)	20 (2)	33 (7)	18 (1)
20-39	20 (1)	26 (1)	36 (2)	22 (1)
40-49	19 (2)	22 (2)	39* (11)	20 (1)
50-59	20 (1)	33 (7)	...	21 (1)
70-79	18 (1)	20 (3)	14 (3)	18 (1)
80	15 (2)	24 (4)	44 (4)	26 (3)
ALL	19 (1)	25 (1)	37 (1)	20 (1)

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

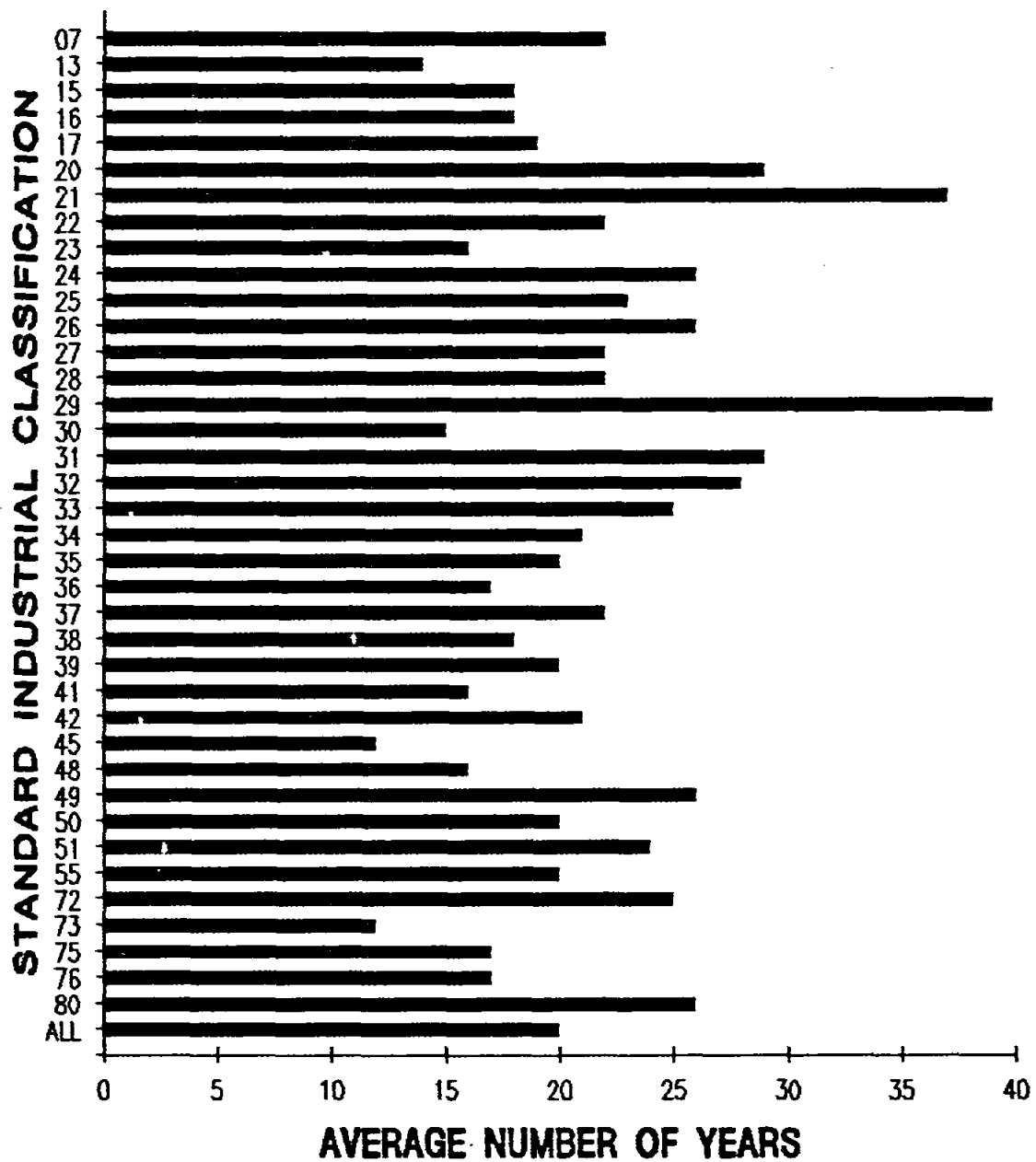
AVERAGE NUMBER OF YEARS THAT INDUSTRIAL FACILITIES HAVE BEEN USED FOR THEIR CURRENT PURPOSE

SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	22 (3)	3* (2)	...	22 (3)
13	14 (2)	16* (8)	25* (18)	14 (1)
15	18 (2)	18 (4)	38* (10)	18 (2)
16	17 (2)	22 (3)	26* (8)	18 (2)
17	19 (1)	19 (3)	...	19 (1)
20	28 (2)	33 (3)	37 (7)	29 (2)
21	15* (11)	...	46 (11)	37* (13)
22	19* (7)	25 (5)	40 (10)	22 (5)
23	14 (1)	20 (2)	44* (14)	16 (1)
24	25 (3)	32 (8)	45 (6)	26 (3)
25	21 (4)	32 (4)	38* (23)	23 (3)
26	23 (3)	27 (3)	54* (16)	26 (3)
27	22 (3)	26 (5)	36 (7)	22 (3)
28	20 (2)	31 (4)	31 (4)	22 (2)
29	42* (17)	21* (8)	57 (7)	39* (13)
30	14 (2)	17 (2)	29* (8)	15 (2)
31	23* (7)	38* (13)	28* (15)	29 (6)
32	26 (3)	41 (5)	45* (18)	28 (2)
33	23 (3)	26* (7)	49 (8)	25 (3)

SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	
34	19 (1)	30 (2)	33 (5)	21 (1)
35	19 (1)	25 (3)	37 (6)	20 (1)
36	16 (2)	16 (2)	28 (3)	17 (2)
37	20* (6)	24 (3)	32 (2)	22 (4)
38	14 (3)	20 (5)	34* (11)	18 (3)
39	19 (4)	26* (7)	17* (20)	20 (3)
41	16 (3)	21* (10)	...	16 (3)
42	21 (3)	20 (3)	21* (5)	21 (3)
45	12* (3)	11* (6)	28 (6)	12 (3)
48	16 (2)	20* (5)	16* (10)	16 (2)
49	26 (4)	25 (4)	53* (25)	26 (3)
50	19 (2)	37 (9)	...	20 (2)
51	24 (2)	11* (11)	...	24 (2)
55	20 (3)	28* (16)	...	20 (3)
72	25 (3)	31* (8)	15* (10)	25 (3)
73	11 (1)	15 (3)	14 (4)	12 (1)
75	17 (2)	39* (28)	...	17 (2)
76	17 (2)	6* (3)	...	17 (2)
80	15 (2)	24 (4)	44 (4)	26 (3)
ALL	19 (1)	25 (1)	37 (1)	20 (1)

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

FIGURE II - 2
AVERAGE NUMBER OF YEARS OF SIMILAR INDUSTRIAL
ACTIVITY IN THE CURRENT FACILITY
(NOES 1981-1983)



NOES QUESTIONNAIRE ITEMS NO. 9 AND 10
Number of Shifts Per Facility and Number of Hours Per Shift

Intent

As part of the effort to precisely enumerate employees of the facility engaged in production activity, these questions were intended to ensure that observations of potential occupational exposure at the facility included all production shifts.

These items were displayed on the questionnaire as:

9. How many shifts do you have at present? _
10. How many hours per shift:
_ _ (If irregular, code "99")

Notes

"Shift" was defined as the working period for employees of the facility, and may have been more or less than eight hours.

Only the number of production shifts was recorded. Work periods routinely devoted only to janitorial or maintenance operations were excluded.

The number of hours per shift was recorded for the facility at the time of survey, providing data across geographical and seasonal fluctuations. All shifts were included in this response. The values displayed for number of shifts and hours per shift are averages, and are rounded to the nearest whole number.

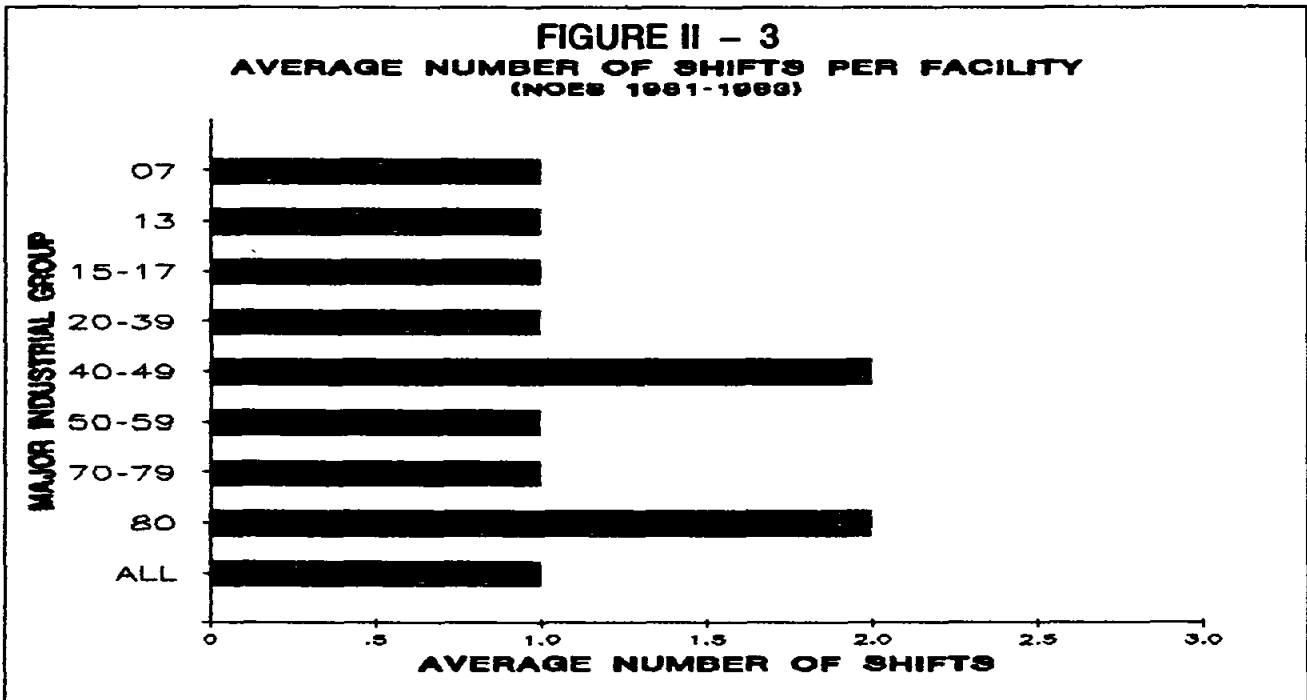
Analysis

Two analyses of the responses to questions 9 and 10 are presented.

(1) Response 9 - Number of shifts per facility

The estimates of the average number of shifts per facility are displayed in Figures II-3 and II-4 and the first four columns of Tables II-3 and II-4.

Figure II-3	Average number of shifts per facility (by major industrial group)
Figure II-4	Average number of shifts per facility (by 2-digit SIC)
Table II-3	Average number of shifts per facility and hours per shift (by major industrial group)
Table II-4	Average number of shifts per facility and hours per shift (by 2-digit SIC)



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

AVERAGE NUMBER OF SHIFTS PER FACILITY AND HOURS PER SHIFT

MAJOR GROUP	AVERAGE NUMBER OF SHIFTS PER FACILITY				AVERAGE NUMBER OF HOURS PER SHIFT			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	1 ($<.25$)	1* (1)	...	1 ($<.25$)	9 ($<.5$)	9 ($<.5$)
13	1 ($<.25$)	2 ($<.5$)	3* (2)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8* (6)	8 ($<.5$)
15-17	1 ($<.25$)	1 ($<.25$)	1 ($<.25$)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
20-39	1 ($<.25$)	2 ($<.5$)	3 ($<.5$)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
40-49	2 ($<.5$)	2 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
50-59	1 ($<.25$)	2 ($<.5$)	...	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	...	8 ($<.5$)
70-79	1 ($<.25$)	2 ($<.5$)	2 ($<.5$)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
80	2 ($<.5$)	3 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
ALL	1 ($<.25$)	2 ($<.5$)	3 ($<.5$)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)

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

FIGURE II - 4
AVERAGE NUMBER OF SHIFTS PER FACILITY
(NOES 1981-1983)

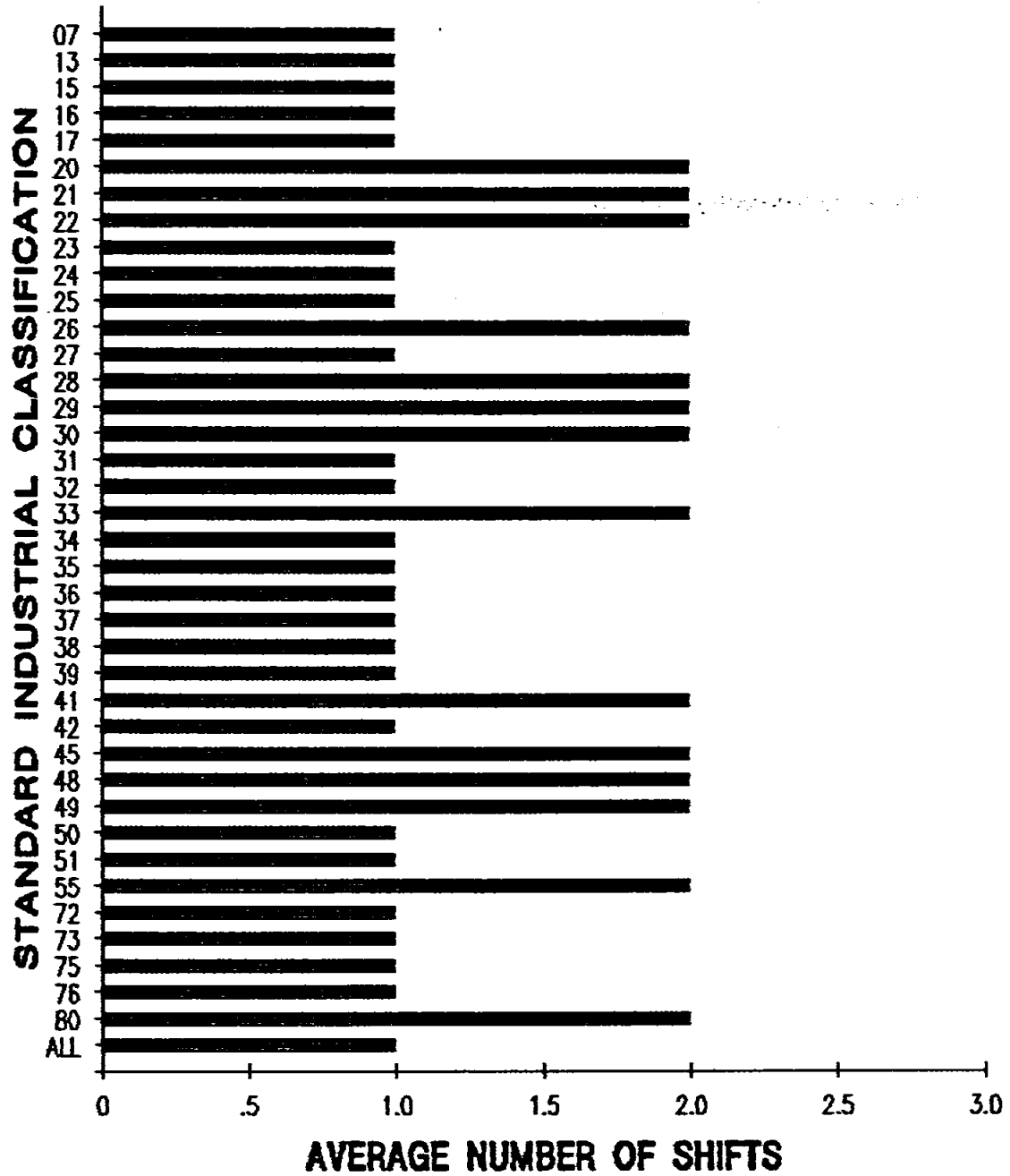
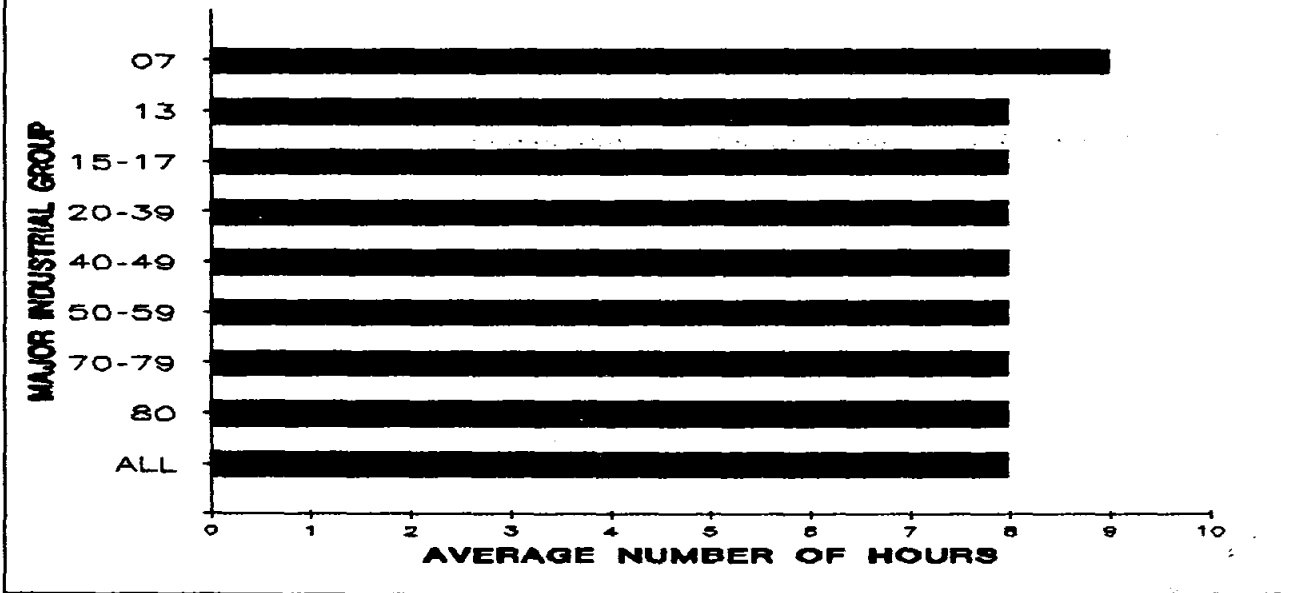


FIGURE II - 5
AVERAGE NUMBER OF HOURS PER SHIFT
(NOES 1981-1988)



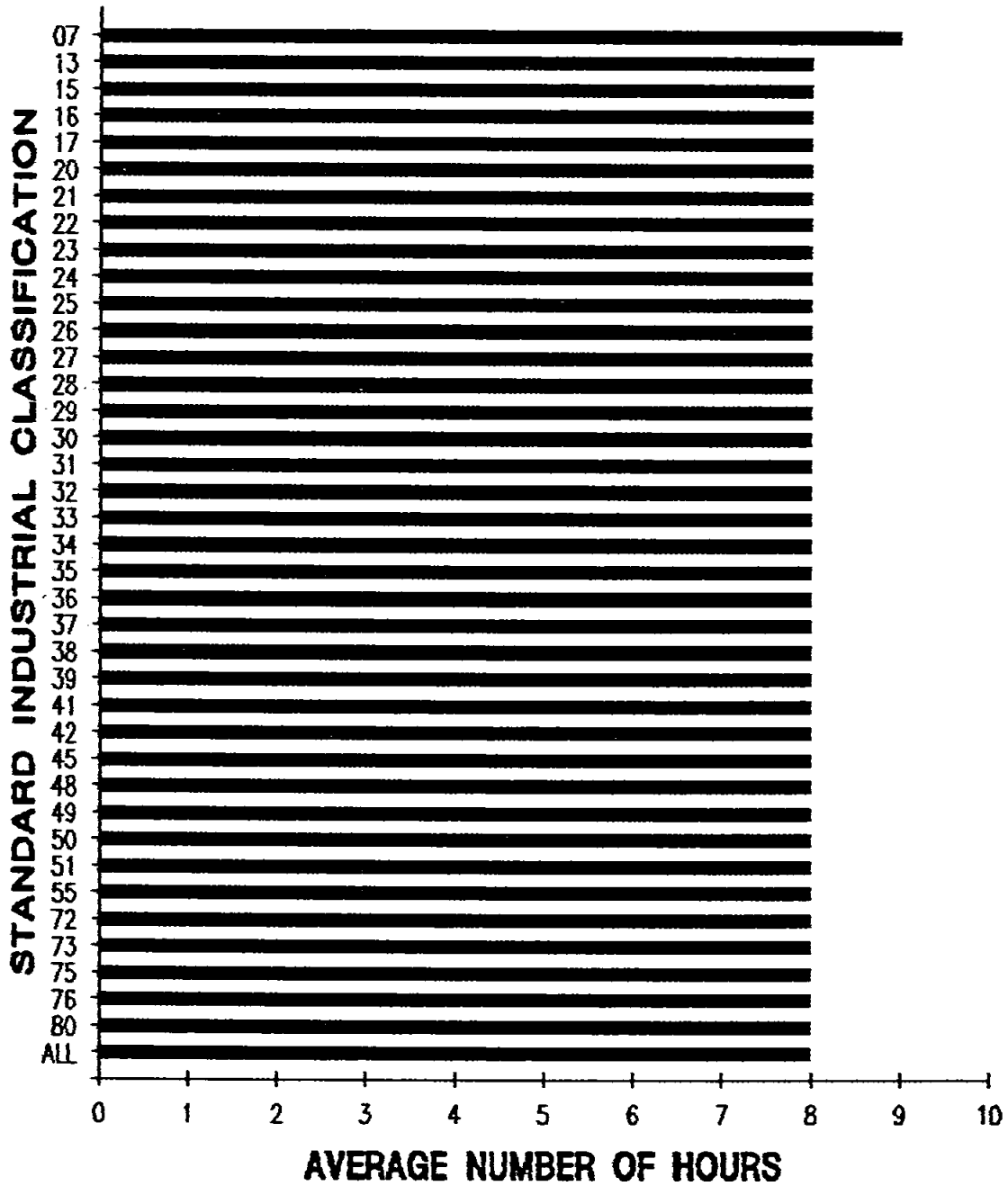
AVERAGE NUMBER OF SHIFTS PER FACILITY AND HOURS PER SHIFT

SIC CODE	AVERAGE NUMBER OF SHIFTS PER FACILITY				AVERAGE NUMBER OF HOURS PER SHIFT			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
07	1 ($<.25$)	1* (1)	...	1 ($<.25$)	9 ($<.5$)	9 ($<.5$)
13	1 ($<.25$)	2 ($<.5$)	3* (2)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8* (6)	8 ($<.5$)
15	1 ($<.25$)	1 ($<.25$)	1 ($<.25$)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
16	1 ($<.25$)	1 ($<.25$)	1 ($<.25$)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	9 (1)	8 ($<.5$)
17	1 ($<.25$)	1 ($<.25$)	...	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	...	8 ($<.5$)
20	2 ($<.5$)	2 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
21	1* (1)	...	2 ($<.5$)	2 ($<.5$)	8* (6)	...	8* (4)	8 ($<.5$)
22	2 ($<.5$)	3 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
23	1 ($<.25$)	1 ($<.25$)	1* (0)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
24	1 ($<.25$)	1 ($<.25$)	1* (2)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8* (4)	8 ($<.5$)
25	1 ($<.25$)	1 ($<.25$)	2* (1)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 (1)	8 ($<.5$)
26	1 ($<.25$)	3 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
27	1 ($<.25$)	2 ($<.5$)	3 ($<.5$)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
28	1 ($<.25$)	3 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
29	2 ($<.5$)	3 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 (1)	8 ($<.5$)	8 (2)	8 ($<.5$)
30	2 ($<.5$)	3 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
31	1 ($<.25$)	2 ($<.5$)	1* (1)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8* (4)	8 ($<.5$)
32	1 ($<.25$)	2 ($<.5$)	4 ($<.5$)	1 ($<.25$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)
33	2 ($<.5$)	2 ($<.5$)	3 ($<.5$)	2 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)	8 ($<.5$)

SIC CODE	AVERAGE NUMBER OF SHIFTS PER FACILITY PLANT SIZE				AVERAGE NUMBER OF HOURS PER SHIFT PLANT SIZE			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	1 (<.25)	2 (<.5)	2 (<.5)	1 (<.25)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)
35	1 (<.25)	2 (<.5)	3 (<.5)	1 (<.25)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)
36	1 (<.25)	2 (<.5)	3 (<.5)	1 (<.25)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)
37	1 (<.25)	2 (<.5)	2 (<.5)	1 (<.25)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)
38	1 (<.25)	1 (<.25)	3 (<.5)	1 (<.25)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)
39	1 (<.25)	2 (<.5)	1* (1)	1 (<.25)	8 (<.5)	8 (<.5)	8* (3)	8 (<.5)
41	2 (<.5)	2 (<.5)	...	2 (<.5)	8 (<.5)	8 (<.5)	...	8 (<.5)
42	1 (<.25)	2 (<.5)	2* (1)	1 (<.25)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)
45	2 (<.5)	3* (1)	3 (<.5)	2 (<.5)	8 (<.5)	8* (4)	8 (<.5)	8 (<.5)
48	2 (<.5)	2 (<.5)	3* (1)	2 (<.5)	8 (<.5)	9 (1)	...	8 (<.5)
49	1 (<.25)	3 (<.5)	3 (<.5)	2 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)
50	1 (<.25)	2 (<.5)	...	1 (<.25)	8 (<.5)	8 (<.5)	...	8 (<.5)
51	1 (<.25)	2* (2)	...	1 (<.25)	8 (<.5)	8 (<.5)
55	2 (<.5)	2* (1)	...	2 (<.5)	8 (<.5)	8* (6)	...	8 (<.5)
72	1 (<.25)	1 (<.25)	2* (1)	1 (<.25)	8 (<.5)	8 (1)	...	8 (<.5)
73	1 (<.25)	2 (<.5)	2 (<.5)	1 (<.25)	8 (<.5)	7 (<.5)	8 (<.5)	8 (<.5)
75	1 (<.25)	1* (1)	...	1 (<.25)	8 (<.5)	8* (6)	...	8 (<.5)
76	1 (<.25)	1* (1)	...	1 (<.25)	8 (<.5)	8* (4)	...	8 (<.5)
80	2 (<.5)	3 (<.5)	3 (<.5)	2 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)
ALL	1 (<.25)	2 (<.5)	3 (<.5)	1 (<.25)	8 (<.5)	8 (<.5)	8 (<.5)	8 (<.5)

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

FIGURE II - 6
AVERAGE NUMBER OF HOURS PER SHIFT
 (NOES 1981-1983)

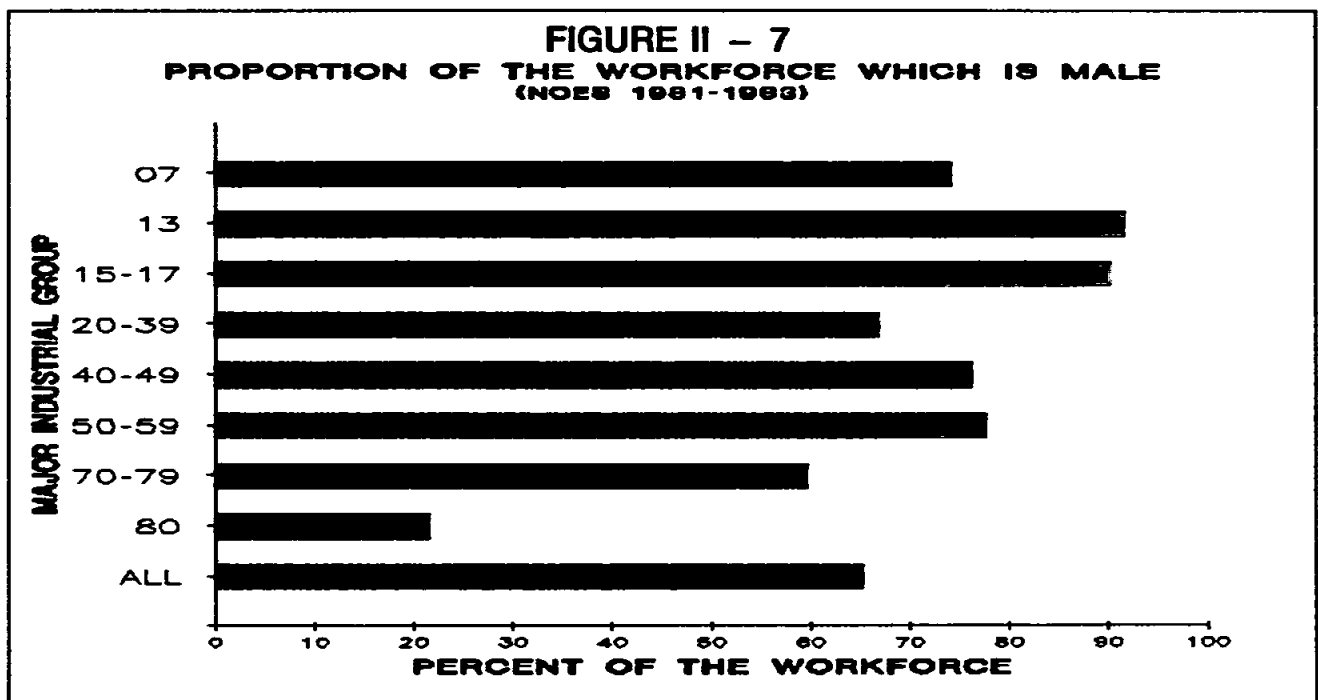


(2) Response 11 (male or female) - Estimated number and percent of male and female employees

The estimates of the number and percent of male and female employees in the workplace are presented in Figure II-9 and Table II-5 and II-6.

Figure II-9	Male and female proportions of the workforce by plant size
Table II-5	Estimated number and percent of male and female workers by industry and plant size (by major industrial group)
Table II-6	Estimated number and percent of male and female workers by industry and plant size (by 2-digit SIC)

Please note that estimates of the total number of workers and industrial facilities based on WOES survey data were presented as part of the survey documentation in Section I of this volume.



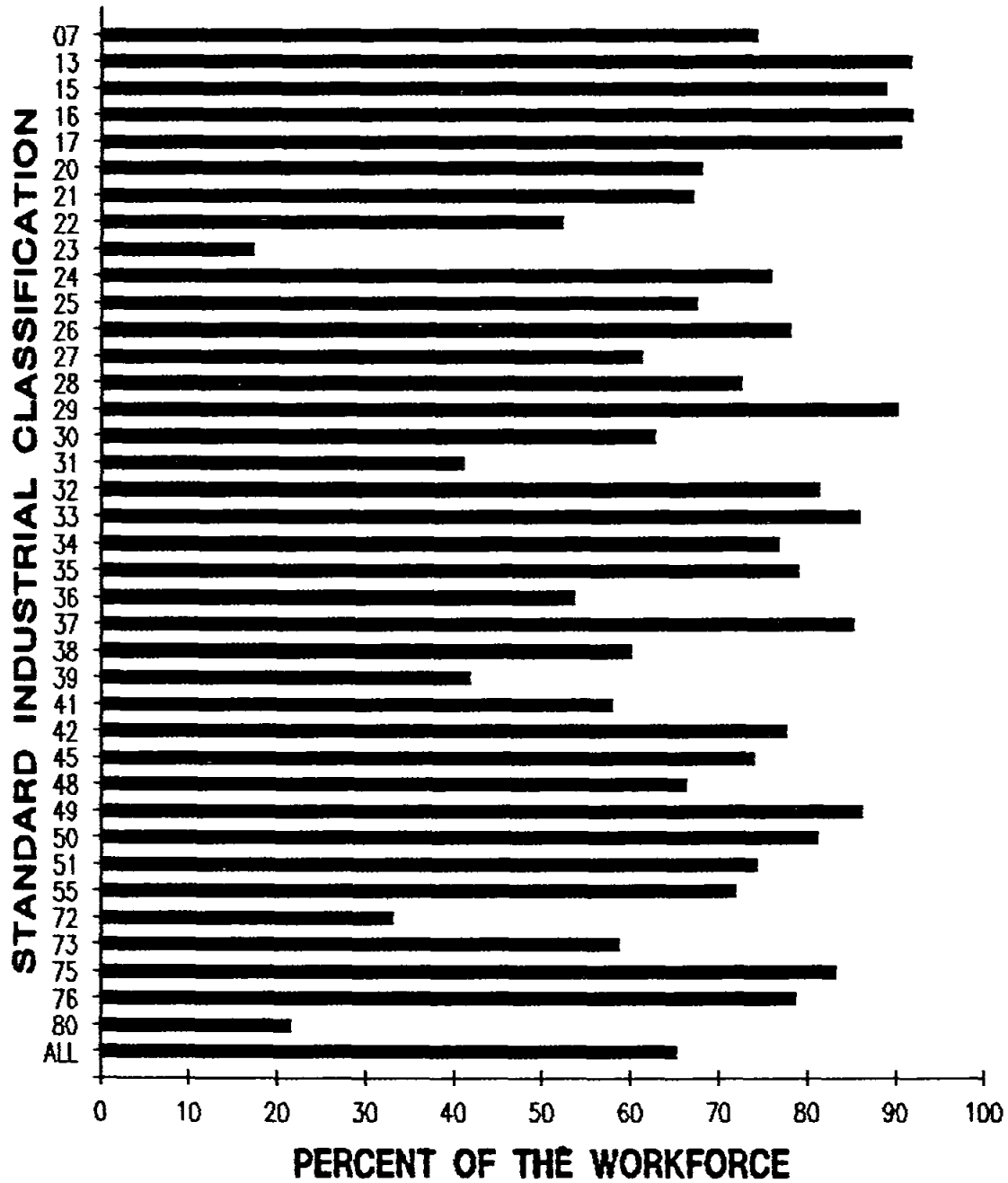
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. II-5

ESTIMATED NUMBER AND PERCENT OF MALE AND FEMALE WORKERS BY INDUSTRY AND PLANT SIZE

MAJOR GROUP	MALE WORKERS PLANT SIZE			TOTAL	FEMALE WORKERS PLANT SIZE			TOTAL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)		SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	75893* (24805) 73.2%	6448* (6146) 92.0%	...	82342* (23419) 74.4%	27789* (7432) 26.8%	561* (534) 8.0%	...	28350* (7338) 25.6%
13	190637 (35797) 91.2%	159489* (53000) 91.7%	30598* (34408) 97.5%	380724 (93551) 91.9%	18321 (3549) 8.8%	14454* (6932) 8.3%	785* (882) 2.5%	33559* (9085) 8.1%
15-17	1885750 (17583) 89.8%	676554 (95448) 91.8%	215389* (94307) 91.2%	2777692 (123568) 90.4%	213143 (9617) 10.2%	60546 (11638) 8.2%	20668* (11911) 8.8%	294357 (14814) 9.6%
20-39	3183868 (47227) 69.0%	3894182 (216185) 61.0%	5844398 (268540) 70.7%	12922449 (435270) 67.1%	1431826 (30350) 31.0%	2486631 (184883) 39.0%	2420922 (81166) 29.3%	6339379 (207579) 32.9%
40-49	1112590 (82021) 77.6%	900013 (184534) 78.0%	406020 (72782) 70.8%	2418622 (231166) 76.5%	321279 (39534) 22.4%	253301 (48473) 22.0%	167724* (43187) 29.2%	742304 (81383) 23.5%
50-59	879952 (62478) 78.3%	314570* (85719) 76.9%	...	1194521 (108348) 77.9%	244422 (27640) 21.7%	94257* (30014) 23.1%	...	338679 (41586) 22.1%
70-79	876110 (43213) 62.9%	233515 (34181) 50.3%	207454* (84586) 61.1%	1317079 (82655) 59.9%	517064 (52877) 37.1%	230997 (34293) 49.7%	132107* (45322) 38.9%	880168 (72322) 40.1%
80	19616* (5325) 19.3%	100498 (16138) 18.8%	676106 (68366) 22.4%	796220 (66742) 21.8%	82028 (18215) 80.7%	433987 (67304) 81.2%	2346570 (295061) 77.6%	2862585 (289982) 78.2%
ALL	8224417 (130242) 74.2%	6285269 (318625) 63.7%	7379965 (315147) 59.2%	21889651 (538973) 65.5%	2855873 (80846) 25.8%	3574733 (208139) 36.3%	5088774 (312587) 40.8%	11519380 (375657) 34.5%

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

FIGURE II - 8
PROPORTION OF THE WORKFORCE WHICH IS MALE
 (NOES 1981-1983)



ESTIMATED NUMBER AND PERCENT OF MALE AND FEMALE WORKERS BY INDUSTRY AND PLANT SIZE

SIC CODE	MALE WORKERS PLANT SIZE				FEMALE WORKERS PLANT SIZE			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	75893* (24805) 73.2%	6448* (6146) 92.0%	...	82342* (23419) 74.4%	27789* (7432) 26.8%	561* (534) 8.0%	...	28350* (7338) 25.6%
13	190637 (35797) 91.2%	159489* (53000) 91.7%	30598* (34408) 97.5%	380724 (93551) 91.9%	18321 (3549) 8.8%	14454* (6932) 8.3%	785* (882) 2.5%	33559* (9085) 8.1%
15	496595 (39905) 88.2%	179324 (35842) 90.5%	122573* (66727) 90.9%	798492 (83536) 89.1%	66293 (7442) 11.8%	18894 (3175) 9.5%	12226* (6862) 9.1%	97413 (10590) 10.9%
16	260228 (42818) 91.6%	192513 (39826) 92.7%	92816* (50869) 91.7%	545558 (79896) 92.0%	23861 (4818) 8.4%	15246* (5175) 7.3%	8442* (8901) 8.3%	47548* (12131) 8.0%
17	1128926 (28580) 90.2%	304716 (75025) 92.0%	...	1433642 (75830) 90.6%	122989 (6499) 9.8%	26406* (8993) 8.0%	...	149395 (12538) 9.4%
20	298171 (12265) 76.8%	451491 (68780) 67.0%	309521 (70863) 62.9%	1059183 (75505) 68.2%	90267 (10908) 23.2%	222290 (42632) 33.0%	182254 (39206) 37.1%	494810 (50049) 31.8%
21	1351* (1916) 72.4%	...	75254* (44782) 67.1%	76605* (44254) 67.2%	515* (770) 27.6%	...	36879* (22904) 32.9%	37394* (2219) 32.8%
22	42111 (4031) 39.7%	196475 (19809) 56.6%	135433* (49773) 51.9%	374019 (42847) 52.4%	63921 (5309) 60.3%	150598 (15949) 43.4%	125660* (45306) 48.1%	340179 (50162) 47.6%
23	86409 (10576) 20.4%	84361 (10241) 13.8%	45308* (20709) 21.7%	216078 (23768) 17.4%	337495 (13069) 79.6%	525561 (26472) 86.2%	163129* (60187) 78.3%	1026186 (63535) 82.6%
24	251585 (21310) 82.9%	133739 (16933) 72.8%	55658* (26743) 60.3%	440982 (42955) 76.1%	52062 (7229) 17.1%	49846 (8713) 27.2%	36697* (28119) 39.7%	138604* (37828) 23.9%
25	102510 (15684) 73.7%	170582 (22849) 66.5%	77462* (36867) 63.0%	350554 (44139) 67.6%	36599 (8770) 26.3%	85860* (22314) 33.5%	45536* (27090) 37.0%	167995 (38762) 32.4%
26	104319 (15076) 75.8%	210500 (39629) 74.8%	174404* (53749) 84.3%	489222 (73358) 78.2%	33335 (6498) 24.2%	70976 (15706) 25.2%	32461* (12326) 15.7%	136771 (22532) 21.8%
27	299203 (18111) 62.6%	225481 (31233) 62.5%	203353 (46988) 58.8%	728036 (63294) 61.4%	178929 (11171) 37.4%	135421 (19869) 37.5%	142397* (40765) 41.2%	456747 (53516) 38.6%
28	142832 (4906) 79.0%	182142 (20287) 69.8%	342128* (89825) 71.8%	667102 (95739) 72.7%	37906 (4292) 21.0%	78689 (15021) 30.2%	134213* (33617) 28.2%	250808 (35750) 27.3%
29	37075* (15812) 90.5%	55906* (18888) 88.4%	107468* (62942) 91.4%	200450* (73302) 90.4%	3905* (1755) 9.5%	7349* (2740) 11.6%	10077* (8090) 8.6%	21331* (9049) 9.6%
30	138809 (18903) 61.7%	150875* (39705) 51.2%	183902* (59890) 78.7%	473586 (66904) 62.9%	86195 (13185) 38.3%	143654* (44954) 48.8%	49745* (17057) 21.3%	279594 (52890) 37.1%
31	13669* (4878) 54.9%	49159* (13239) 36.3%	9905* (9597) 63.2%	72733 (14896) 41.3%	11218* (4421) 45.1%	86300* (24923) 63.7%	5760* (7705) 36.8%	103278* (25961) 58.7%
32	203407 (13885) 85.8%	165155 (24175) 79.0%	100076* (38121) 77.6%	468638 (35863) 81.5%	33753 (5475) 14.2%	43828* (11813) 21.0%	28917* (12011) 22.4%	106499 (15122) 18.5%
33	121071 (10376) 87.4%	236364 (30732) 76.0%	565131 (76430) 90.9%	922566 (80451) 86.1%	17397 (4338) 12.6%	74717 (17519) 24.0%	56368 (11671) 9.1%	148482 (20135) 13.9%

SIC CODE	MALE WORKERS PLANT SIZE				FEMALE WORKERS PLANT SIZE			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	443759 (13805) 80.0%	439953 (27520) 73.7%	272283* (72627) 77.6%	1155995 (83265) 76.9%	111126 (10187) 20.0%	156732 (19934) 26.3%	78773* (32323) 22.4%	346631 (43421) 23.1%
35	519101 (9700) 85.5%	506315 (16822) 76.6%	861405 (120850) 77.4%	1886821 (115023) 79.2%	87699 (5739) 14.5%	154805 (16818) 23.4%	251528 (33657) 22.6%	494032 (42699) 20.8%
36	114882 (10864) 49.8%	269531 (21480) 48.8%	671738 (127438) 56.8%	1056150 (118233) 53.7%	115607 (9730) 50.2%	283131 (21460) 51.2%	510725 (76075) 43.2%	909463 (85682) 46.3%
37	112940 (15261) 88.9%	180758 (19687) 75.6%	1312836 (233146) 86.7%	1606534 (223581) 85.4%	14082 (2843) 11.1%	58426* (16362) 24.4%	201172 (29355) 13.3%	273680 (33547) 14.6%
38	52743 (8604) 50.4%	116373 (14180) 59.9%	287825* (85654) 62.5%	456941 (90158) 60.2%	51859 (7658) 49.6%	78020 (9359) 40.1%	172572* (61743) 37.5%	302452 (64896) 39.8%
39	97920 (12674) 59.0%	69022* (127003) 46.2%	53310* (23622) 25.5%	220253* (121870) 42.0%	67957 (8675) 41.0%	80427* (148885) 53.8%	156060* (98903) 74.5%	304443* (151055) 58.0%
41	78288 (16530) 66.6%	37489* (15310) 46.0%	...	115777 (26008) 58.1%	39344* (13576) 33.4%	44053* (25721) 54.0%	...	83397* (30925) 41.9%
42	405075 (42914) 83.0%	186171 (39051) 71.9%	47967* (2642) 64.1%	639213 (56815) 77.8%	82728 (14320) 17.0%	72651* (20519) 28.1%	26863* (25141) 35.9%	182242 (28459) 22.2%
45	58657 (13781) 75.7%	91991* (63299) 84.1%	183875* (49547) 69.6%	334523 (71748) 74.2%	18839* (8285) 24.3%	17341* (13317) 15.9%	80380* (31115) 30.4%	116560* (34777) 25.8%
48	294504 (62873) 69.2%	108445 (24370) 61.5%	43064* (27678) 61.4%	446013 (72906) 66.4%	131254 (25759) 30.8%	67876* (19322) 38.5%	27019* (17719) 38.6%	226150 (41209) 33.6%
49	227445 (49865) 84.4%	382836* (140787) 90.0%	116706* (54707) 79.6%	726987 (169201) 86.4%	41925 (9794) 15.6%	42633* (14035) 10.0%	29859* (12447) 20.4%	114418 (21996) 13.6%
50	512061 (58123) 81.2%	231231* (66757) 81.6%	...	743293 (96863) 81.4%	118243 (15785) 18.8%	52008* (18335) 18.4%	...	170251 (29668) 18.6%
51	141748 (29888) 76.6%	16113* (16113) 59.6%	...	157861 (38423) 74.4%	43277* (11571) 23.4%	10900* (10900) 40.4%	...	54176* (17088) 25.6%
55	226143 (40507) 73.2%	67225* (57493) 68.2%	...	293368* (81665) 72.0%	82902 (19602) 26.8%	31350* (23163) 31.8%	...	114252* (31591) 28.0%
72	132320 (18383) 34.8%	23983* (7451) 29.2%	1387* (1965) 13.0%	157690 (17310) 33.3%	247700 (37546) 65.2%	58237* (18110) 70.8%	9283* (13150) 87.0%	315220 (50196) 66.7%
73	248932 (34239) 59.1%	193204 (29217) 55.2%	206067* (83960) 62.7%	648203 (88437) 58.9%	172515 (24699) 40.9%	156509 (24420) 44.8%	122823* (38192) 37.3%	451847 (44068) 41.1%
75	347846 (51744) 84.2%	3589* (3651) 43.6%	...	351436 (51875) 83.4%	65429 (13506) 15.8%	4649* (4729) 56.4%	...	70078 (13812) 16.6%
76	147012 (25364) 82.4%	12739* (15140) 52.3%	...	159751 (33061) 78.8%	31420 (5450) 17.6%	11602* (10025) 47.7%	...	43022* (11101) 21.2%
80	19616* (5325) 19.3%	100498 (16138) 18.8%	676106 (68366) 22.4%	796220 (66742) 21.8%	82028 (18215) 80.7%	433987 (67304) 81.2%	2346570 (295061) 77.6%	2862585 (289982) 78.2%
ALL	8175796 (79628) 74.2%	6207055 (132632) 63.5%	7372761 (302982) 59.2%	21755612 (309030) 65.4%	2848685 (70332) 25.8%	3566726 (145583) 36.5%	5086973 (309014) 40.8%	11502384 (345666) 34.6%

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