

NOES QUESTIONNAIRE ITEM NO. 18

Estimated Number of Physician Hours Devoted to Industrial Worker Health Care

Intent

The intent of this question was to determine the amount of physician time devoted to the health care of industrial workers as a result of management policy.

This item was displayed on the questionnaire as:

18. Estimate the average number of physician hours that are devoted to your facility per week.

----- hours per week

Notes

The physician time accounted for here is a measure of the aggregate of: (1) in-house physician time devoted to worker health care; (2) on-call physician time devoted to worker health care; (3) contract physician care provided to workers on-site or off-site as a result of a formal agreement with management (See the Notes section of questionnaire item 17 for further detail).

Physician time spent on other than direct health care (i.e., research) was not included in the responses to this question.

To ensure comparability across industry or facility size strata, the hours per week per facility data was converted to average hours of physician time per week per 10,000 workers.

Many hospitals (SIC 80) interviewed during the survey had very informal mechanisms for assigning physician time to employee health. Basically, this amounted to an employee seeking care from any available resident physician. Because the hospital industry has this unique view of the assignment of physician time to employee health care, data for the hospital industry was not produced for the published analyses of question Number 18. To have included this data would have resulted in very deceptive comparisons with other industries.

Analysis

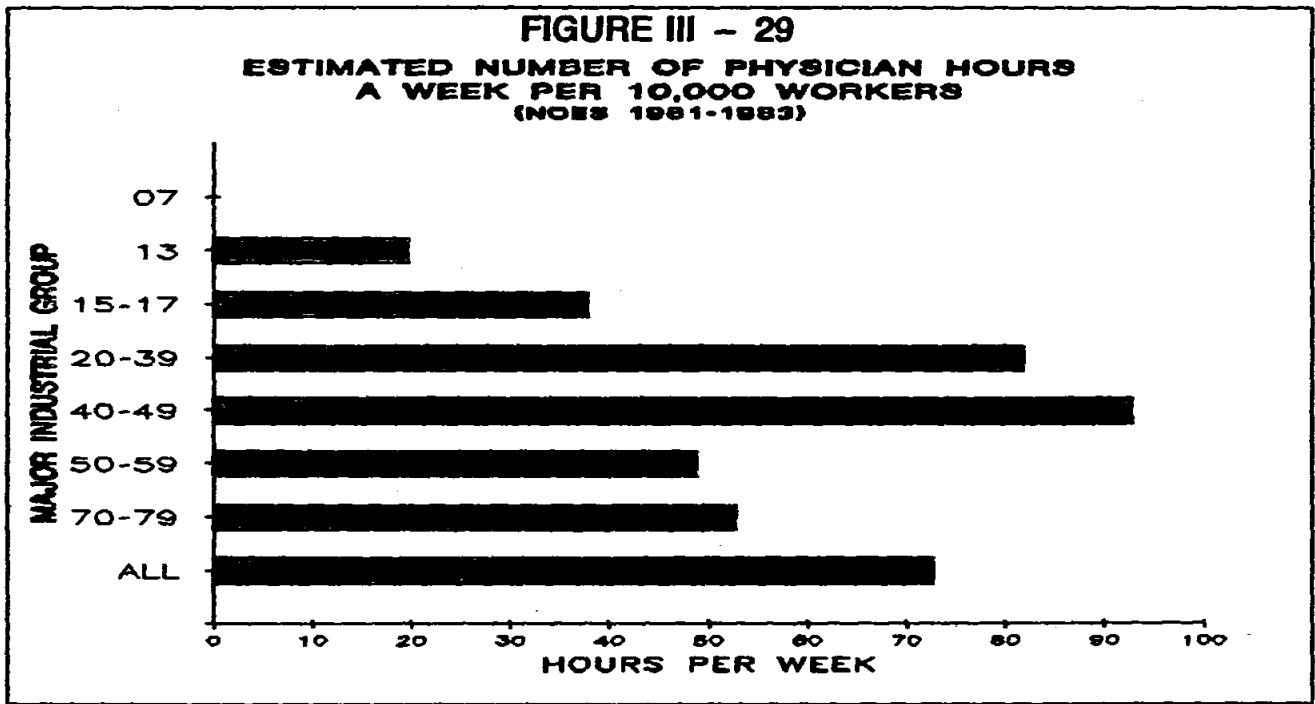
One analysis of the responses to question 18 is presented.

Response 18 - Average number of physician hours per week per 10,000 workers

The estimated average number of physician hours per week per 10,000 workers devoted to health care are displayed in Figures III-29 and III-30, and Tables III-25 and III-26.

Figure III-29 Estimated number of physician hours a week per 10,000 workers
(by major industrial group)

Figure III-30	Estimated number of physician hours a week per 10,000 workers (by 2-digit SIC)
Table III-25	Average number of physician hours a week per 10,000 workers (by major industrial group)
Table III-26	Average number of physician hours a week per 10,000 workers (by 2-digit SIC)



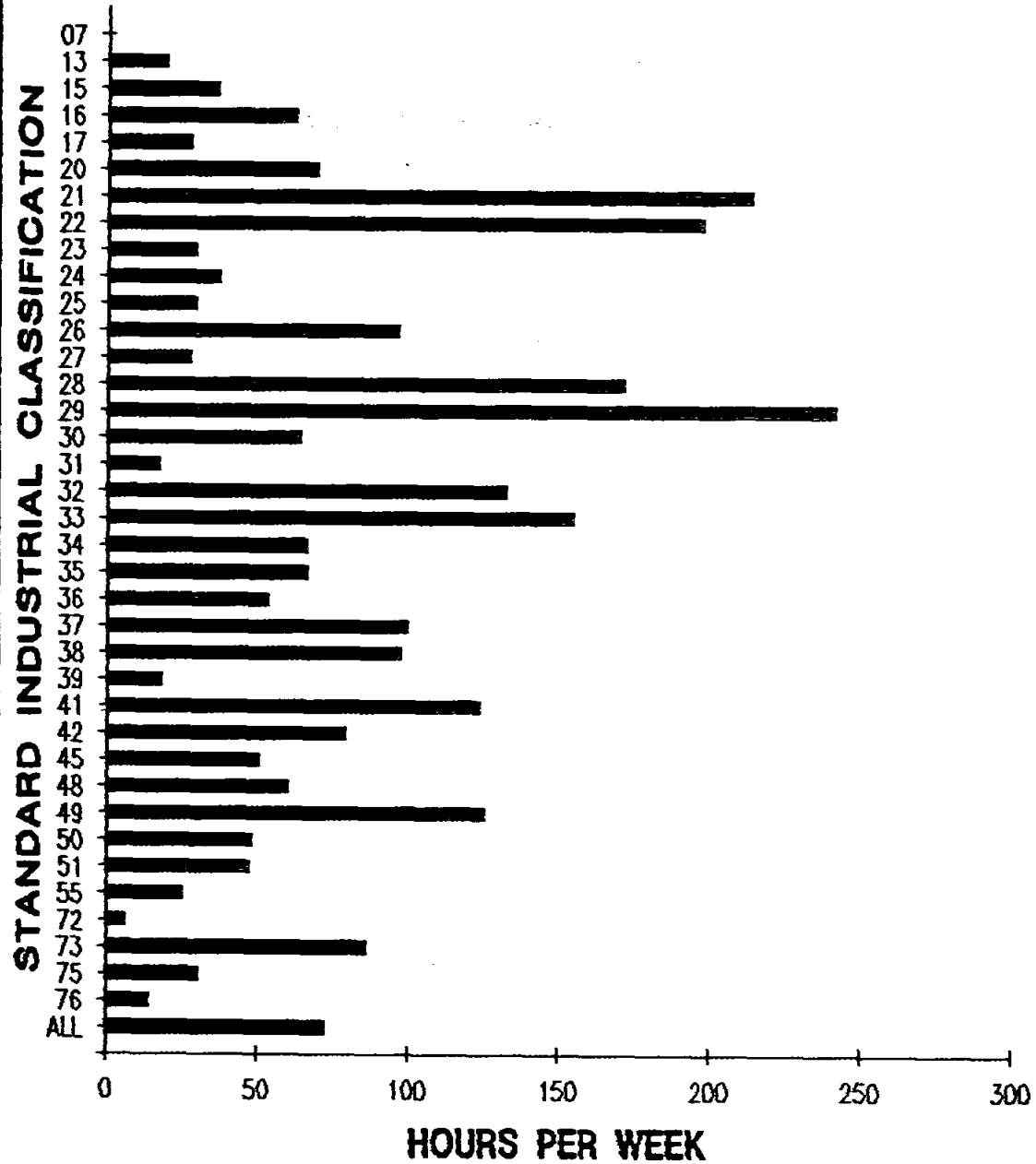
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-25

AVERAGE NUMBER OF PHYSICIAN HOURS A WEEK PER 10,000 WORKERS

MAJOR GROUP	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	...	...	...	...
13	5* (5)	42* (79)	...	20* (27)
15-17	35 (8)	46* (18)	34* (15)	38 (7)
20-39	50 (11)	64 (9)	115 (15)	82 (9)
40-49	136* (36)	49* (20)	73 (17)	93 (20)
50-59	46 (11)	59* (28)	...	49 (12)
70-79	25* (7)	107* (64)	90* (39)	53* (14)
ALL	53 (6)	59 (8)	109 (12)	73 (6)

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

FIGURE III - 30
ESTIMATED NUMBER OF PHYSICIAN HOURS
A WEEK PER 10,000 WORKERS
 (NOES 1981-1983)



NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-26

AVERAGE NUMBER OF PHYSICIAN HOURS A WEEK PER 10,000 WORKERS

SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
07	...	...	...	...
13	5* (5)	42* (79)	...	20* (27)
15	24* (9)	89* (57)	16* (6)	37* (14)
16	80* (29)	43* (17)	59* (29)	63* (16)
17	30* (8)	22* (13)	...	28* (8)
20	61* (24)	58 (13)	92* (29)	70 (9)
21	305* (915)	...	212* (215)	214* (182)
22	6* (7)	203* (135)	269* (265)	198* (158)
23	17* (9)	14* (5)	102* (103)	30* (13)
24	20* (8)	54* (19)	65* (96)	38* (13)
25	7* (7)	50* (32)	16* (18)	30* (15)
26	62* (17)	43* (19)	195* (170)	97* (46)
27	22* (19)	22* (7)	40* (17)	28* (8)
28	66 (15)	152* (38)	224 (46)	172 (25)
29	18* (22)	220* (126)	332 (81)	242 (53)
30	25* (8)	29* (11)	149* (81)	65* (29)
31	...	21* (19)	21* (10)	18* (14)
32	227* (191)	49* (13)	95* (60)	133* (78)
33	231* (150)	127* (67)	152* (52)	155 (19)

SIC CODE	PLANT SIZE			ALL
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	
34	48* (22)	70 (15)	91* (23)	67 (10)
35	47* (12)	51 (12)	88 (16)	67 (8)
36	20* (7)	36 (6)	69 (12)	54 (8)
37	51* (21)	100* (45)	104 (15)	100 (14)
38	25* (19)	37* (19)	140* (93)	98* (57)
39	10* (5)	30* (11)	20* (59)	19* (12)
41	164* (91)	67* (24)	...	124* (53)
42	115* (39)	22* (6)	57* (29)	80* (26)
45	68* (52)	31* (35)	53* (19)	51* (15)
48	70* (59)	3* (3)	154* (90)	61* (37)
49	304* (173)	28* (33)	84* (43)	126* (63)
50	46 (11)	59* (28)	...	49 (12)
51	55* (22)	...	...	48* (24)
55	35* (19)	...	...	26* (17)
72	8* (6)	4* (4)	...	7* (5)
73	41* (13)	138* (84)	93* (39)	87* (28)
75	32* (19)	...	...	31* (19)
76	11* (11)	45* (37)	...	15* (11)
ALL	54 (6)	60 (8)	109 (12)	73 (6)

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

- Figure III-33** Nurses employed to provide health care
(by 2-digit SIC)
- Table III-27** Number and percent of plants and employees in plants
which have one or more nurses employed to provide health
care (by major industrial group)
- Table III-28** Number and percent of plants and employees in plants
which have one or more nurses employed to provide health
care (by 2-digit SIC).

FIGURE III - 31
ONE OR MORE NURSES EMPLOYED ON SITE
(NOES 1981-1983)

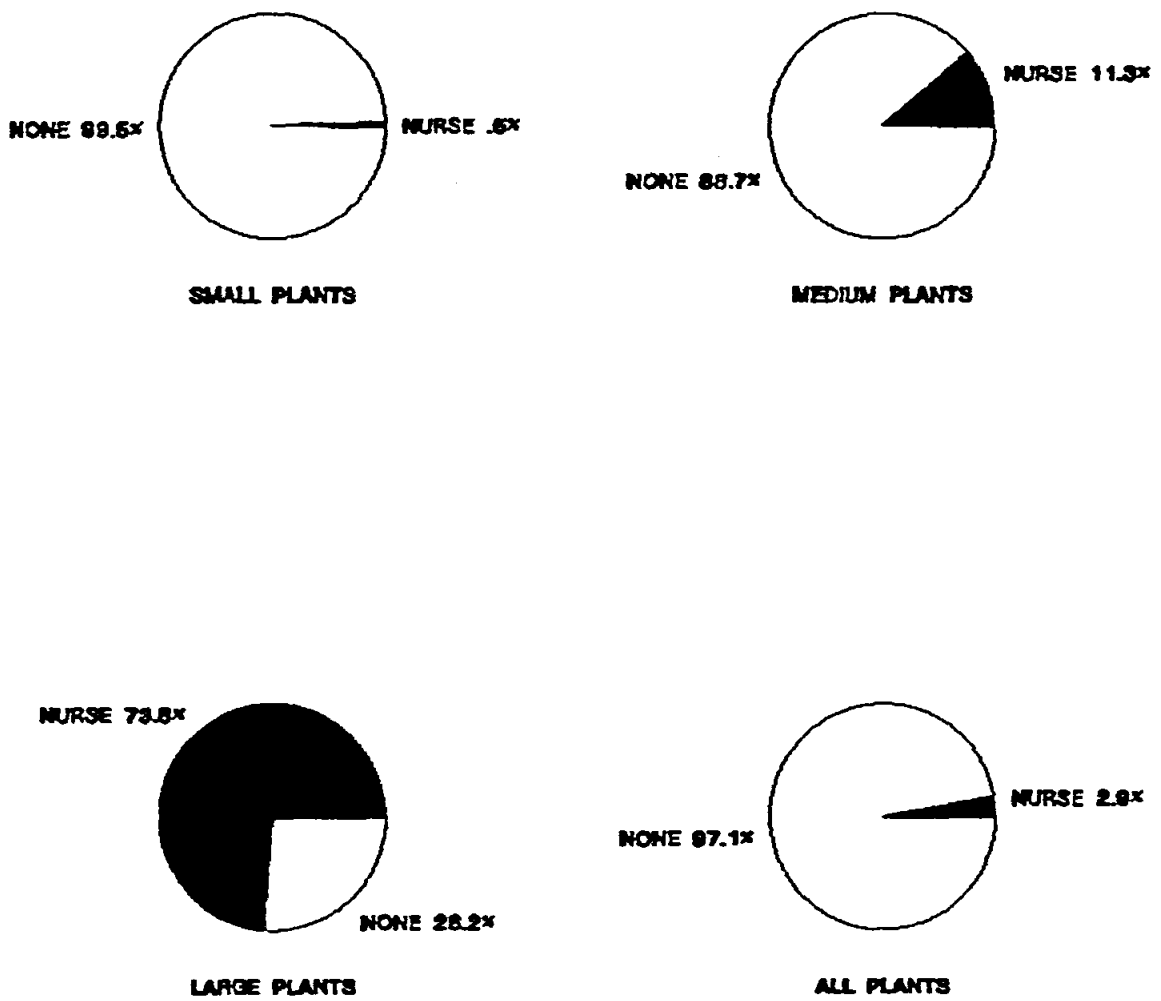
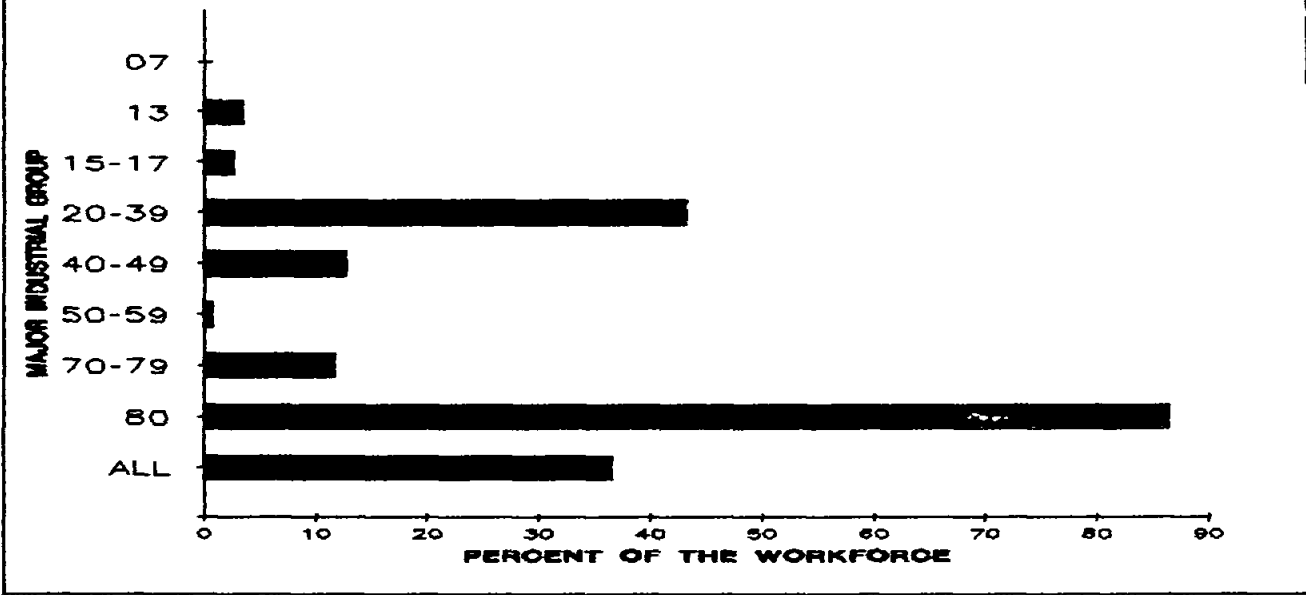


FIGURE III - 32
NURSES EMPLOYED TO PROVIDE HEALTH CARE
(NOES 1981-1983)



NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-27

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH HAVE ONE OR MORE NURSES EMPLOYED TO PROVIDE HEALTH CARE

MAJOR GROUP	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
07	...	...	...	...	...	...	...	...
13	...	40* (31) 3.9%	...	40* (31) .4%	...	15189* (11898) 8.7%	...	15189* (11898) 3.7%
15-17	...	7* (8) .2%	37* (19) 15.3%	44* (21) .0%	...	2340* (2608) .3%	83146* (26819) 35.2%	85486* (27804) 2.8%
20-39	384* (176) .3%	4109 (630) 12.9%	4712 (243) 75.2%	9205 (797) 4.8%	21080* (8186) .5%	1205197 (175854) 18.9%	7129080 (363355) 86.3%	8355357 (447750) 43.4%
40-49	656* (503) 1.2%	357* (148) 6.1%	169* (81) 36.1%	1181* (504) 2.0%	42127* (34076) 2.9%	97522* (39350) 8.5%	268476 (63619) 46.8%	408125 (81424) 12.9%
50-59	...	43* (27) 1.6%	...	43* (27) .1%	...	13054* (8272) 3.2%	...	13054* (8272) .9%
70-79	395* (482) .5%	138* (76) 5.9%	205* (119) 57.8%	737* (484) 1.0%	10435* (12070) .7%	42342* (22909) 9.1%	207252* (104011) 61.0%	260029* (103040) 11.8%
80	857* (442) 30.2%	968 (186) 44.7%	1845 (289) 89.5%	3670 (538) 51.9%	30882* (13739) 30.4%	287623 (60214) 53.8%	2852000 (348930) 94.4%	3170505 (343119) 86.7%
ALL	2291* (844) .5%	5661 (679) 11.3%	6968 (404) 73.8%	14920 (1190) 2.9%	104525* (39530) .9%	1663268 (191938) 16.9%	10539953 (519003) 84.5%	12307745 (580035) 36.8%

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

NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-28

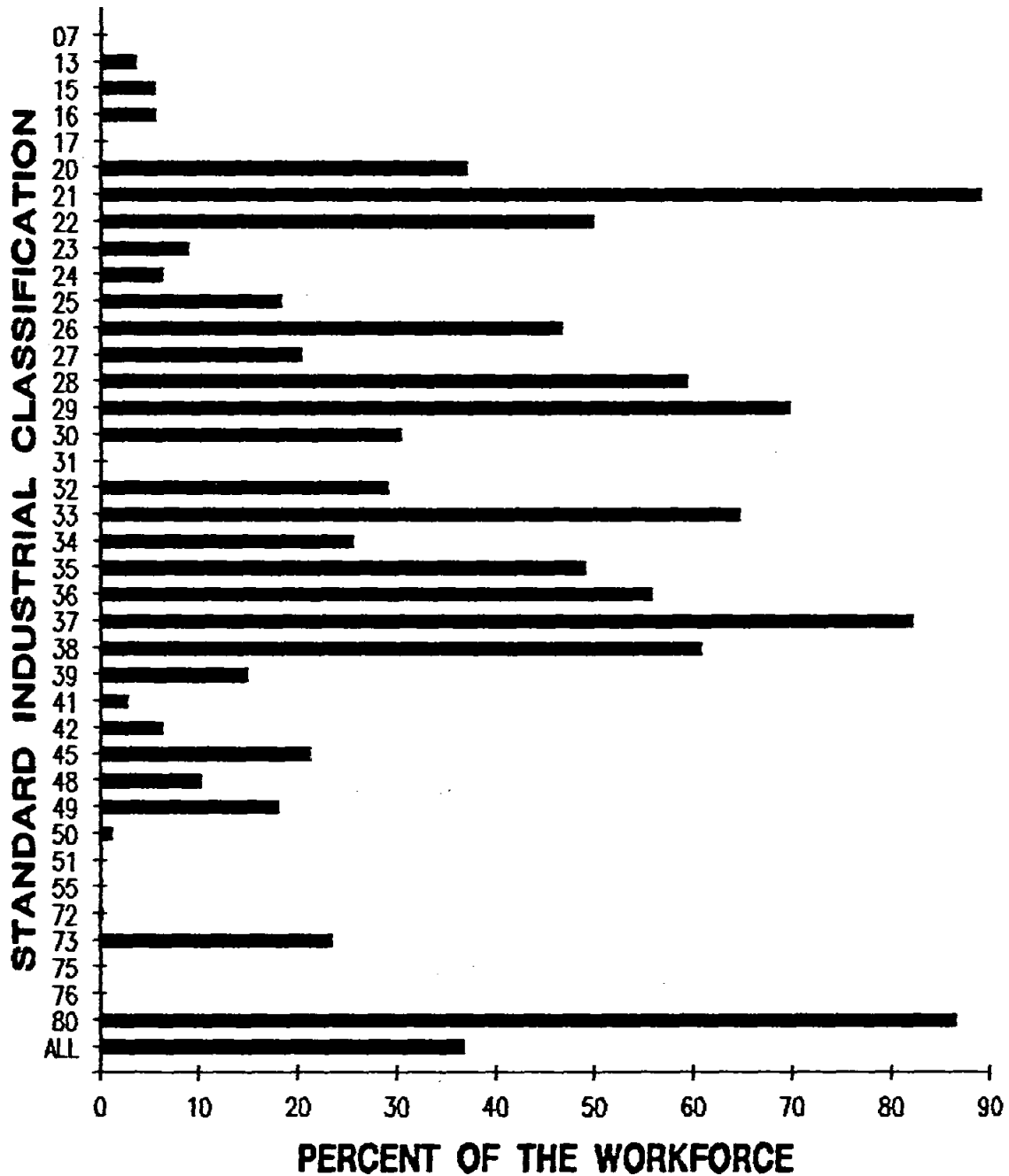
NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH
HAVE ONE OR MORE NURSES EMPLOYED TO PROVIDE HEALTH CARE

SIC CODE	PLANTS				EMPLOYEES			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07
13	...	40* (31) 3.9%	...	40* (31) .4%	...	15189* (11898) 8.7%	...	15189* (11898) 3.7%
15	...	7* (8) .6%	13* (4) 9.9%	20* (8) .1%	...	2340* (2608) 1.2%	49146* (13445) 36.5%	51486* (13744) 5.7%
16	24* (19) 22.2%	24* (19) .2%	...	...	33999* (23264) 33.6%	33999* (23264) 5.7%
17
20	...	523* (148) 16.3%	441 (90) 78.8%	963 (161) 6.3%	...	166682* (55361) 24.7%	411613 (84030) 83.7%	578295 (95347) 37.2%
21	4* (6) 14.6%	...	60* (38) 76.1%	65* (36) 59.2%	258* (345) 13.8%	...	101476* (68062) 90.5%	101734* (67909) 89.2%
22	197* (127) 6.7%	442* (166) 27.8%	255* (65) 85.2%	894* (263) 18.6%	7289* (2928) 6.9%	120154* (39868) 34.6%	229089* (81745) 87.7%	356532 (87295) 49.9%
23	...	23* (26) .7%	115* (68) 47.6%	138* (71) .9%	...	4107* (4712) .7%	108295* (66356) 52.0%	112402* (66246) 9.0%
24	...	9* (8) .8%	19* (8) 18.1%	28* (9) .2%	...	2141* (1963) 1.2%	35767* (18789) 38.7%	37908* (17476) 6.5%
25	...	83* (100) 7.8%	47* (33) 39.9%	131* (96) 2.4%	...	29108* (35753) 11.4%	66155* (34507) 53.8%	95263* (39688) 18.4%
26	...	267* (157) 17.0%	214* (73) 100.0%	482* (190) 8.2%	...	85947* (46580) 30.5%	206864* (65220) 100.0%	292811* (90956) 46.8%
27	...	17* (35) .9%	199* (86) 63.0%	216* (92) 1.1%	...	7023* (14249) 1.9%	235392* (64731) 68.1%	242415* (62408) 20.5%
28	...	336* (131) 28.9%	329 (60) 86.5%	664 (164) 8.6%	...	101537* (33958) 38.9%	443789 (100251) 93.2%	545325 (113925) 59.4%
29	...	141* (49) 48.3%	101* (42) 100.0%	243* (69) 17.3%	...	37477* (12815) 59.2%	117545* (70259) 100.0%	155022* (71575) 69.9%
30	...	34* (34) 2.2%	193* (74) 86.0%	226* (85) 2.7%	...	14201* (14825) 4.8%	216359* (74266) 92.6%	230560* (77464) 30.6%
31
32	...	134* (94) 13.2%	184* (71) 99.9%	318* (108) 3.2%	...	39782* (25222) 19.0%	128993* (49687) 100.0%	168775* (54732) 29.3%
33	82* (61) 2.0%	382* (113) 26.0%	294* (75) 87.2%	758 (140) 12.8%	5760* (4289) 4.2%	113689* (34811) 36.5%	574511 (97812) 92.4%	693960 (106377) 64.8%

SIC CODE					EMPLOYEES			
	SMALL (8-99)	PLANTS MEDIUM (100-499)	LARGE (>500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
34	23* (23) .1%	465* (135) 14.9%	217* (74) 62.8%	705 (151) 3.2%	2203* (2221) .4%	121082* (34385) 20.3%	262158* (103336) 74.7%	385442* (116367) 25.7%
35	...	538* (139) 15.8%	678 (74) 86.5%	1217 (153) 4.5%	...	156340* (42112) 23.6%	1015309 (129024) 91.2%	1171649 (129804) 49.2%
36	44* (55) .6%	339* (153) 12.6%	544* (137) 69.1%	927* (257) 8.8%	3616* (4555) 1.6%	99218* (39946) 18.0%	998261 (179991) 84.4%	1101096 (195611) 56.0%
37	34* (75) .8%	194* (67) 16.3%	391 (84) 93.9%	618 (136) 11.1%	1954* (4362) 1.5%	51412* (17385) 21.5%	1491527 (233950) 98.5%	1544893 (235823) 82.2%
38	...	54* (36) 5.7%	396* (130) 95.1%	450* (137) 11.1%	...	16839* (12733) 8.7%	445979* (125897) 96.9%	462817* (126498) 60.9%
39	...	127* (252) 15.9%	36* (26) 10.7%	163* (249) 2.1%	...	38461* (80875) 25.7%	39998* (24337) 19.1%	78459* (78326) 15.0%
41	202* (210) 4.6%	...	...	202* (210) 4.1%	5865* (6101) 5.0%	...	...	5865* (6101) 2.9%
42	...	48* (59) 3.2%	24* (21) 28.7%	71* (65) .3%	...	17956* (22209) 6.9%	34467* (35274) 46.1%	52423* (44379) 6.4%
45	...	75* (75) 12.8%	30* (15) 20.3%	105* (82) 2.6%	...	7769* (7769) 7.1%	88689* (45201) 33.6%	96458* (44062) 21.4%
48	...	...	34* (21) 99.0%	34* (21) .2%	...	...	70083* (43687) 100.0%	70083* (43687) 10.4%
49	453* (396) 5.5%	94* (60) 5.0%	82* (89) 47.4%	629* (400) 6.1%	36262* (31700) 13.5%	41313* (26709) 9.7%	75237* (54990) 51.3%	152812* (65137) 18.2%
50	...	43* (27) 2.4%	...	43* (27) .1%	...	13054* (8272) 4.6%	...	13054* (8272) 1.4%
51	...	...	...	...	...	...	...	...
55	...	...	...	...	...	...	...	...
72	15* (24) .1%	...	...	15* (24) .1%	950* (1479) .2%	...	...	950* (1479) .2%
73	379* (484) 2.3%	138* (76) 9.2%	205* (119) 60.0%	722* (485) 3.9%	9486* (12089) 2.3%	42342* (22909) 12.1%	207252* (104011) 63.0%	259080* (103021) 23.6%
75	...	...	...	...	...	...	...	...
76	...	...	...	...	...	...	...	...
80	857* (442) 30.2%	968 (186) 44.7%	1845 (289) 89.5%	3670 (538) 51.9%	30882* (13739) 30.4%	287623 (60214) 53.8%	2852000 (348930) 94.4%	3170505 (343119) 86.7%
All	2291* (752) .5%	5547 (579) 11.2%	6968 (484) 73.9%	14806 (1166) 2.9%	104525* (36519) .9%	1641873 (180285) 16.8%	10539953 (554497) 84.6%	12286350 (586885) 36.9%

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

FIGURE III - 33
NURSES EMPLOYED TO PROVIDE HEALTH CARE
(NOES 1981-1983)



NOES QUESTIONNAIRE ITEM NO. 20
Estimated Number of Nurses Employed to Provide
Health Care to Industrial Workers

Intent

The intent of this question was to determine the number of nurses (Registered or Licensed Practical) employed by industrial facilities.

This item was displayed on the questionnaire as:

20. How many registered nurses and licensed practical nurses are on the payroll at this facility?

RN ---

LPN ---

Notes

The number of nurses accounted for in this question includes only those directly employed by management to provide nursing care to employees. They may or may not be on-site (visiting nurse programs), but must be direct employees whose job function is to provide nursing care to the facility's workers.

Student nurses, visiting or detailed nurses from corporate headquarters, government-employed nurses, or paramedical personnel were not included in the responses to this question. See the Notes section of questionnaire items 14 and 19 for further definitions and qualifications.

Again, as in question 18, no hospital (SIC 80) data is presented here. Many hospital respondents gave their total nurse employment as a response, since no formalized program of health care for employees existed.

Analysis

Three analyses of the responses to question 20 are presented.

(1) Response 20 - Estimated number of Registered Nurses and Licensed Practical Nurses employed by industry

The estimates of the number of Registered and Licensed Practical Nurses employed by industrial facilities to provide nursing care to workers are presented in Tables III-29 and III-30.

Table III-29	Estimated number of Registered and Licensed Practical Nurses employed in industry (by major industrial group)
Table III-30	Estimated number of Registered and Licensed Practical Nurses employed in industry (by 2-digit SIC)

(2) Response 20 - Estimated number of nurses (RN or LPN) employed per 10,000 workers

The estimated number of Registered or Licensed Practical Nurses employed per 10,000 workers is displayed in Figures III-34 and III-35, and Tables III-31 and III-32.

Figure III-34	Estimated number of nurses employed per 10,000 workers (by major industrial group)
Figure III-35	Estimated number of nurses employed per 10,000 workers (by 2-digit SIC)
Table III-31	Estimated number of Registered or Licensed Practical Nurses per 10,000 workers (by major industrial group)
Table III-32	Estimated number of Registered or Licensed Practical Nurses per 10,000 workers (by 2-digit SIC)

(3) Response 20 - Estimated proportions of Registered and Licensed Practical Nurses employed by plant size.

The estimated proportions of Registered and Licensed Practical Nurses employed to provide nursing care to industrial workers by plant size are displayed in Figure III-36.

Figure III-36	Estimated proportions of Registered and Licensed Practical Nurses employed in industry by plant size - excluding hospitals.
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NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-29

ESTIMATED NUMBER OF REGISTERED AND LICENSED
PRACTICAL NURSES EMPLOYED IN INDUSTRY

MAJOR GROUP	NUMBER OF REGISTERED NURSES PLANT SIZE				NUMBER OF LICENSED PRACTICAL NURSES PLANT SIZE			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07	...	...	...	...	...	...	...	...
13	...	...	...	...	...	40* (31) 5.1%	...	40* (31) 1.8%
15-17	...	...	49* (21) .0%	49* (21) .3%	...	7* (8) .8%	5* (5) .4%	12* (13) .6%
20-39	282* (166) 16.5%	4386 (697) 83.1%	10568 (658) 94.1%	15236 (1060) 83.6%	150* (171) 100.0%	697* (358) 88.6%	1233 (231) 99.4%	2080* (568) 95.5%
40-49	656* (503) 38.3%	720* (439) 13.6%	262* (92) 2.3%	1637* (710) 9.0%	...	...	3* (3) 6.2%	3* (3) 0.1%
50-59	...	20* (19) .0%	...	20* (19) .1%	...	43* (27) 5.5%	...	43* (27) 2.0%
70-79	774* (966) 45.2%	152* (81) .3%	356* (226) 3.1%	1283* (984) 7.0%	...	...	...	...
ALL	1711* (1101) 100.0%	5279 (828) 100.0%	11235 (702) 100.0%	18225 (1611) 100.0%	150* (171) 100.0%	787* (360) 100.0%	1241 (231) 100.0%	2178* (570) 100.0%

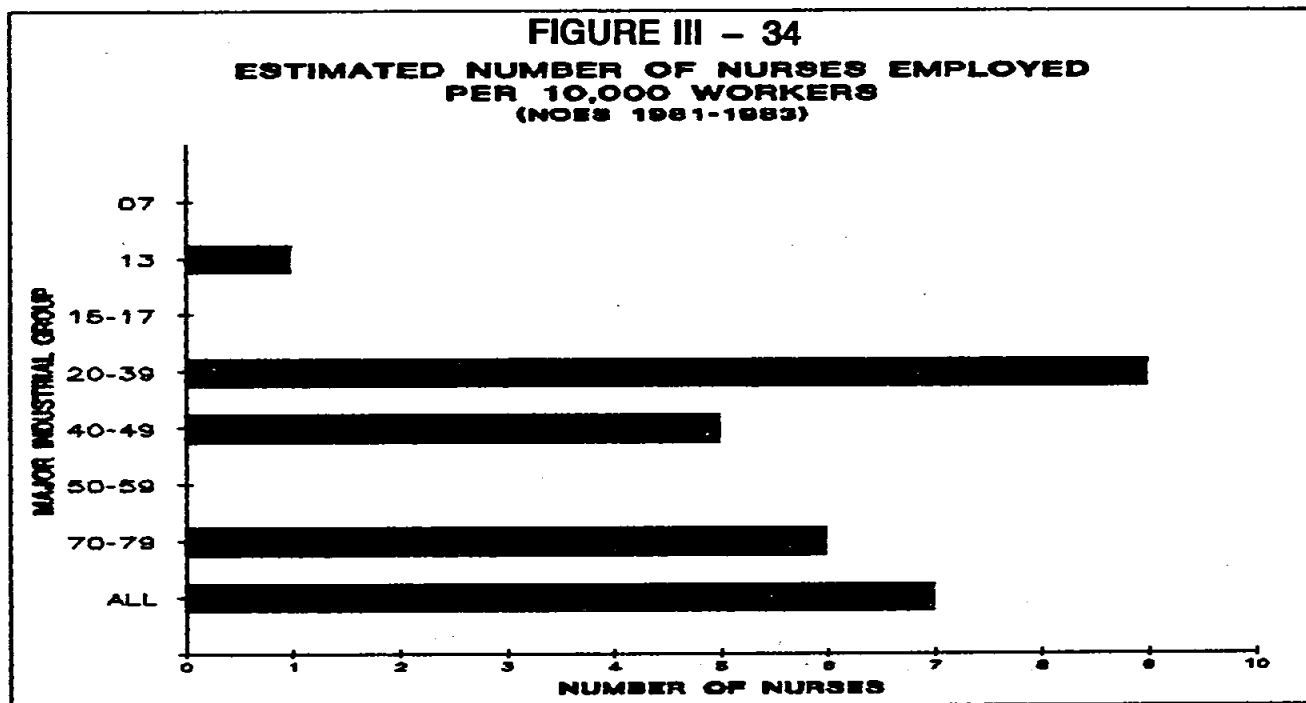
*Standard error >25% of the estimate. The estimate may be unreliable.
...No facilities observed.

ESTIMATED NUMBER OF REGISTERED AND LICENSED PRACTICAL NURSES EMPLOYED IN INDUSTRY

SIC CODE	NUMBER OF REGISTERED NURSES PLANT SIZE				NUMBER OF LICENSED PRACTICAL NURSES PLANT SIZE			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
07
13	40* (31) 5.1%	...	40* (31) 1.8%
15	25* (9) .2%	25* (9) .1%	...	7* (8) .8%	5* (5) .4%	12* (13) .6%
16	24* (19) .2%	24* (19) .1%	...	...	...	...
17
20	...	489* (142) 9.8%	688* (179) 6.1%	1177 (197) 6.6%	...	66* (72) 8.4%	87* (28) 7.0%	153* (75) 7.0%
21	9* (12) .5%	...	264* (206) 2.3%	273* (198) 1.5%	...	...	...	...
22	63* (62) 36.0%	545* (277) 10.9%	477* (293) 4.2%	1085* (540) 6.1%	134* (167) 89.3%	95* (126) 12.1%	60* (50) 4.8%	289* (292) 13.3%
23	78* (53) .7%	78* (53) .4%	...	23* (26) 2.9%	37* (29) 3.0%	60* (38) 2.8%
24	104* (58) .9%	104* (58) .6%	...	9* (8) 1.1%	...	9* (8) .4%
25	...	55* (57) 1.1%	88* (59) .8%	143* (78) .8%	...	28* (54) 3.6%	22* (46) 1.7%	51* (66) 2.3%
26	...	410* (252) 8.2%	353* (109) 3.1%	763* (296) 4.3%	...	...	40* (35) 3.2%	40* (35) 1.8%
27	...	17* (35) .3%	281* (91) 2.5%	298* (88) 1.7%	...	...	36* (51) 2.9%	36* (51) 1.7%
28	...	641* (625) 12.9%	1078* (356) 9.6%	1719* (832) 9.6%	...	...	92* (56) 7.4%	92* (56) 4.2%
29	...	176* (68) 3.5%	353* (194) 3.1%	529* (201) 3.0%	...	...	...	...
30	...	34* (34) .7%	340* (129) 3.0%	374* (137) 2.1%	...	...	16* (14) 1.2%	16* (14) .7%
31
32	...	134* (94) 2.7%	321* (152) 21.8%	455* (165) 2.5%	...	18* (20) 2.3%	...	18* (20) .8%
33	82* (61) 4.8%	349* (131) 7.0%	961* (316) 8.5%	1393 (309) 7.8%	...	158* (126) 20.1%	200* (123) 16.1%	359* (197) 16.5%

SIC CODE	NUMBER OF REGISTERED NURSES				NUMBER OF LICENSED PRACTICAL NURSES			
	PLANT SIZE				PLANT SIZE			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL
34	7* (8) .4%	454* (162) 9.1%	454* (152) 4.0%	915 (224) 5.1%	16* (21) 10.6%	80* (45) 10.2%	8* (21) .6%	104* (57) 4.8%
35	...	465* (129) 9.3%	1389 (204) 12.4%	1854 (235) 10.3%	...	106* (61) 13.5%	260* (93) 21.0%	366* (115) 16.8%
36	87* (110) 5.1%	268* (97) 5.4%	1008 (184) 9.0%	1363 (268) 7.6%	...	71* (101) 9.0%	227* (144) 18.3%	298* (197) 13.7%
37	34* (75) 2.0%	164* (62) 3.3%	1463 (233) 13.0%	1662 (269) 9.3%	...	43* (33) 5.5%	100* (79) 8.1%	143* (85) 6.6%
38	...	57* (37) 1.1%	778* (244) 6.9%	836* (246) 4.7%	...	...	19* (28) 1.5%	19* (28) .8%
39	...	127* (252) 2.5%	90* (78) .8%	217* (239) 1.2%	...	...	26* (19) 2.1%	26* (19) 1.2%
41	202* (210) 11.8%	...	...	202* (210) 1.1%	...	...	...	...
42	...	48* (59) 1.0%	28* (35) .2%	75* (74) .4%	...	...	3* (3) .2%	3* (3) .1%
45	...	75* (75) 1.5%	60* (20) .5%	135* (78) .8%	...	...	...	...
48	...	...	92* (57) .8%	92* (57) .5%	...	...	...	...
49	453* (396) 26.5%	94* (60) 1.9%	82* (89) .7%	629* (400) 3.5%	...	...	...	...
50	...	20* (19) .4%	...	20* (19) .1%	...	43* (27) 5.5%	...	43* (27) 2.0%
51	...	...	...	...	...	...	...	...
55	...	...	...	...	...	...	...	...
72	15* (24) .8%	...	...	15* (24) .0%	...	...	...	...
73	759* (967) 44.4%	152* (81) 3.1%	356* (226) 3.2%	1267* (985) 7.1%	...	...	...	...
75	...	...	...	...	...	...	...	...
76	...	...	...	...	...	...	...	...
ALL	1711* (911) 100.0%	4983 (676) 100.0%	11235 (685) 100.0%	17929 (1658) 100.0%	150* (171) 100.0%	787* (352) 100.0%	1241 (229) 100.0%	2178* (560) 100.0%

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



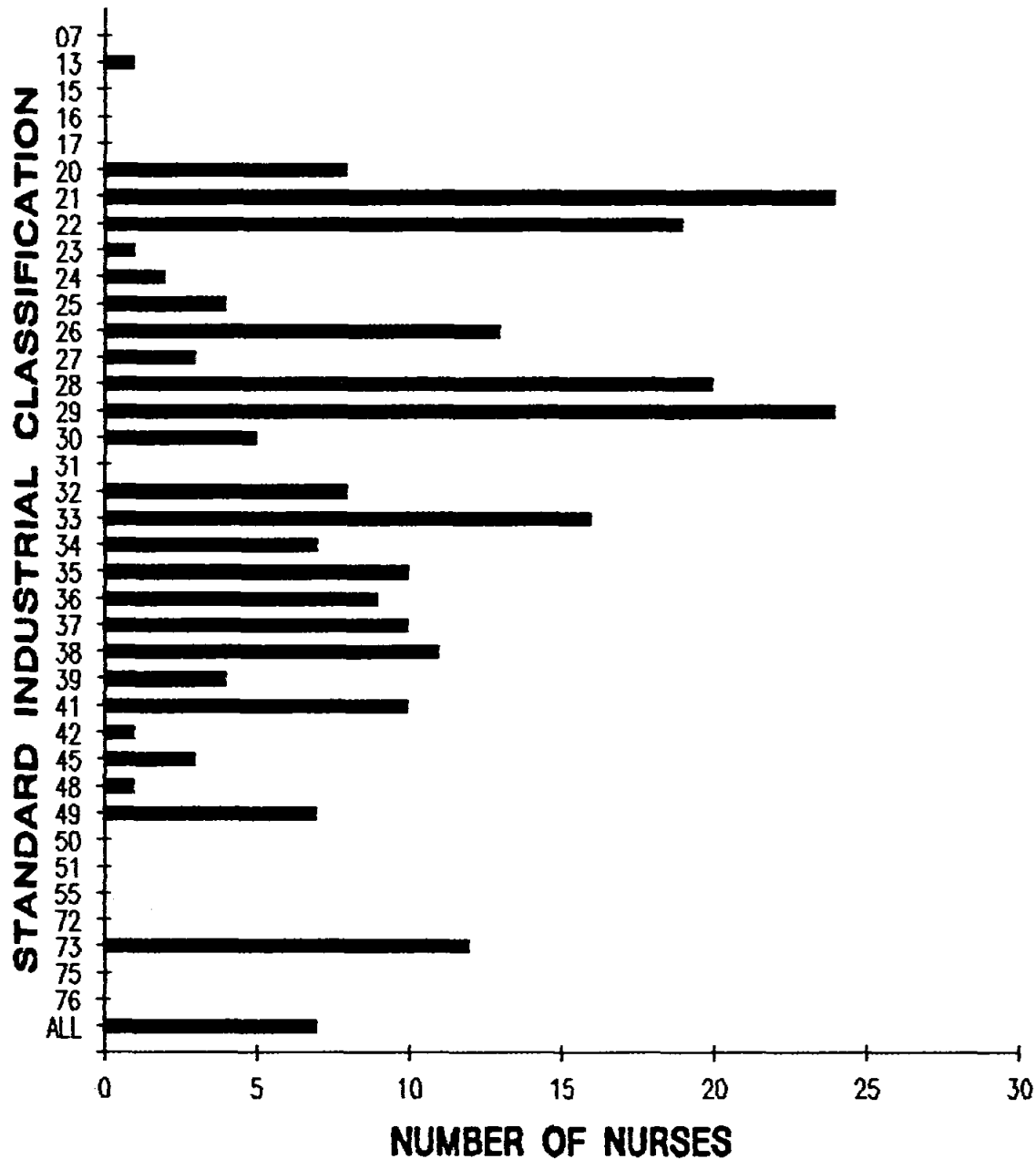
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-31

ESTIMATED NUMBER OF REGISTERED OR LICENSED PRACTICAL NURSES PER 10,000 WORKERS

MAJOR GROUP	NUMBER OF RN'S PER 10,000 WORKERS				NUMBER OF LPN'S PER 10,000 WORKERS			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL
07	...	...	...	...	...	...	...	...
13	...	...	...	...	...	2* (2)	...	1* (1)
15-17	...	...	2* (1)	<1	...	<1	<1	<1
20-39	1* (≥.25)	7 (1)	13 (1)	8 (<.5)	<1	1* (1)	1 (<.25)	1* (≥.25)
40-49	5* (4)	6* (5)	5* (1)	5* (2)	...	...	<1	<1
50-59	...	<1	...	<1	...	1* (1)	...	<1
70-79	6* (7)	3* (2)	10* (4)	6* (4)	...	...	...	...
ALL	2* (1)	5 (1)	12 (1)	6 (1)	<1	1* (≥.25)	1 (<.25)	1* (≥.25)

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

FIGURE III - 35
ESTIMATED NUMBER OF NURSES EMPLOYED
PER 10,000 WORKERS
(NOES 1981-1983)



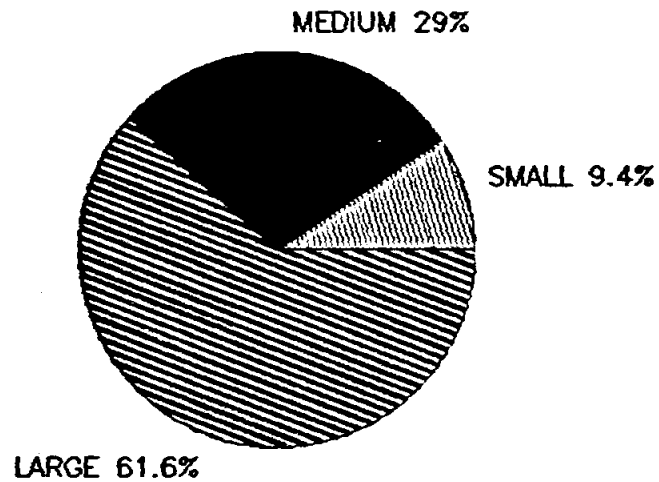
ESTIMATED NUMBER OF REGISTERED OR LICENSED PRACTICAL NURSES PER 10,000 WORKERS

SIC CODE	NUMBER OF RN's PER 10,000 WORKERS PLANT SIZE				NUMBER OF LPN's PER 10,000 WORKERS PLANT SIZE			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL
07
13	2* (2)	...	1* (1)
15	2* (1)	<1	...	<1	<1	<1
16	2* (2)	<1	...	...	...	...
17
20	...	7 (2)	14 (2)	8 (1)	...	1* (1)	2* (1)	1* (.25)
21	47* (141)	...	24* (27)	24* (23)	...	...	...	...
22	6* (6)	16* (8)	18* (10)	15* (7)	13* (16)	3* (4)	2* (1)	4* (4)
23	4* (2)	1* (≥.25)	...	<1	2* (2)	<1
24	11* (13)	2* (1)	...	1* (≥.25)	...	<1
25	...	2* (2)	7* (7)	3* (2)	...	1* (2)	2* (3)	1* (1)
26	...	15* (7)	17 (2)	12* (4)	...	...	2* (1)	1* (1)
27	...	<1	8 (2)	3 (1)	...	...	1* (1)	<1
28	...	25* (24)	23 (4)	19* (7)	...	...	2* (1)	1* (1)
29	...	28* (10)	30 (6)	24 (4)	...	...	...	...
30	...	1* (1)	15 (3)	5* (1)	...	...	1* (1)	<1*
31
32	...	6* (4)	25* (7)	8* (2)	...	1* (1)	...	<1
33	6* (4)	11* (4)	15* (4)	13 (3)	...	5* (4)	3* (2)	3* (2)

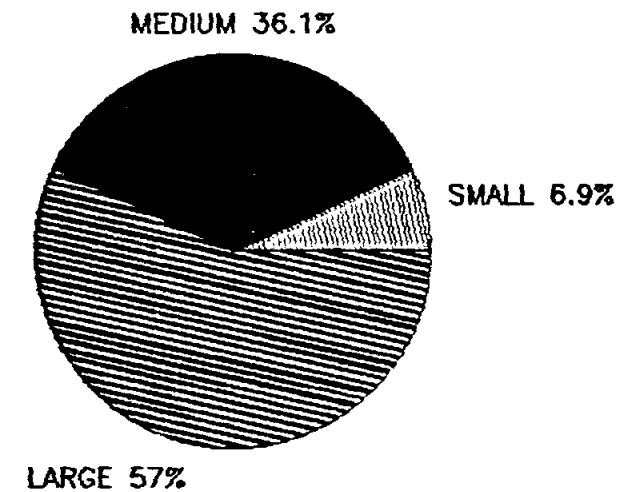
SIC CODE	NUMBER OF RN'S PER 10,000 WORKERS PLANT SIZE				NUMBER OF LPN'S PER 10,000 WORKERS PLANT SIZE			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL
34	<1	8* (3)	13 (2)	6 (1)	<1	1* (1)	<1 ...	1* (≥.25)
35	...	7* (2)	12 (1)	8 (1)	...	2* (1)	2* (1)	2* (1)
36	4* (5)	5* (2)	9 (1)	7 (1)	...	1* (2)	2* (1)	2* (1)
37	3* (6)	7* (3)	10 (1)	9 (1)	...	2* (1)	1* (1)	1* (≥.25)
38	...	3* (2)	17 (2)	11 (2)	...	...	<1	<1
39	...	8* (4)	4* (15)	4* (3)	...	...	1* (4)	<1
41	17* (20)	...	...	10* (11)	...	...	...	...
42	...	2* (2)	4* (2)	1* (1)	...	...	<1	<1
45	...	7* (7)	2* (1)	3* (2)	...	...	...	...
48	...	...	13* (6)	1* (1)	...	...	...	...
49	17* (14)	2* (3)	6* (5)	7* (5)	...	...	...	...
50	...	<1	...	<1	...	1* (1)	...	<1
51	...	...	...	...	...	...	...	...
55	...	...	...	...	...	...	...	...
72	<1	...	...	<1	...	...	...	...
73	18* (21)	4* (2)	11* (4)	12* (9)	...	...	...	...
75	...	...	...	...	...	...	...	...
76	...	...	...	...	...	...	...	...
ALL	2* (1)	5 (1)	12 (1)	6 (1)	<1	1* (≥.25)	1 (<.25)	1* (≥.25)

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

FIGURE III - 36
ESTIMATED PROPORTION OF R.N.s and L.P.N.s EMPLOYED
IN INDUSTRY BY PLANT SIZE - EXCLUDING HOSPITALS
(NOES 1981-1983)



REGISTERED NURSES



LICENSED PRACTICAL NURSES

NOES QUESTIONNAIRE ITEM NO. 21

Estimated Number of Nurse Hours Devoted to Industrial Worker Health Care

Intent

The intent of this question was to determine the amount of nurse time devoted to the health care of industrial workers as a result of management policy.

This item was displayed on the questionnaire as:

21. Estimate the average number of nursing hours that are devoted to your facility per week.

_____ hours

Notes

The nurse time accounted for in the responses to question 21 is an aggregate of: (1) in-house nurse time; (2) nurse time provided on a contractual basis; (3) nurse time provided by corporate nurses who were not direct employees of the surveyed facility; (4) any nurse time devoted to health care of employees, if that time is ultimately paid for by facility management.

Services provided by government-employed nurses are not included.

As explained in the Notes section of questions 18 and 20, nurse hours provided for employee health care in the hospital industry are not presented in these analyses due to the characteristics of employee health care in the hospital industry.

Analysis

Two analyses of the responses to question 21 are presented.

(1) Response 21 - Average number of nurse hours per facility

The estimates of the average number of nurse hours devoted to employee health care per facility per week are displayed in the first four columns of Tables III-33 and III-34.

Table III-33 Average number of nurse hours per facility and per 10,000 workers (by major industrial group)

Table III-34 Average number of nurse hours per facility and per 10,000 workers (by 2-digit SIC)

(2) Response 21 - Average number of nurse hours per 10,000 workers

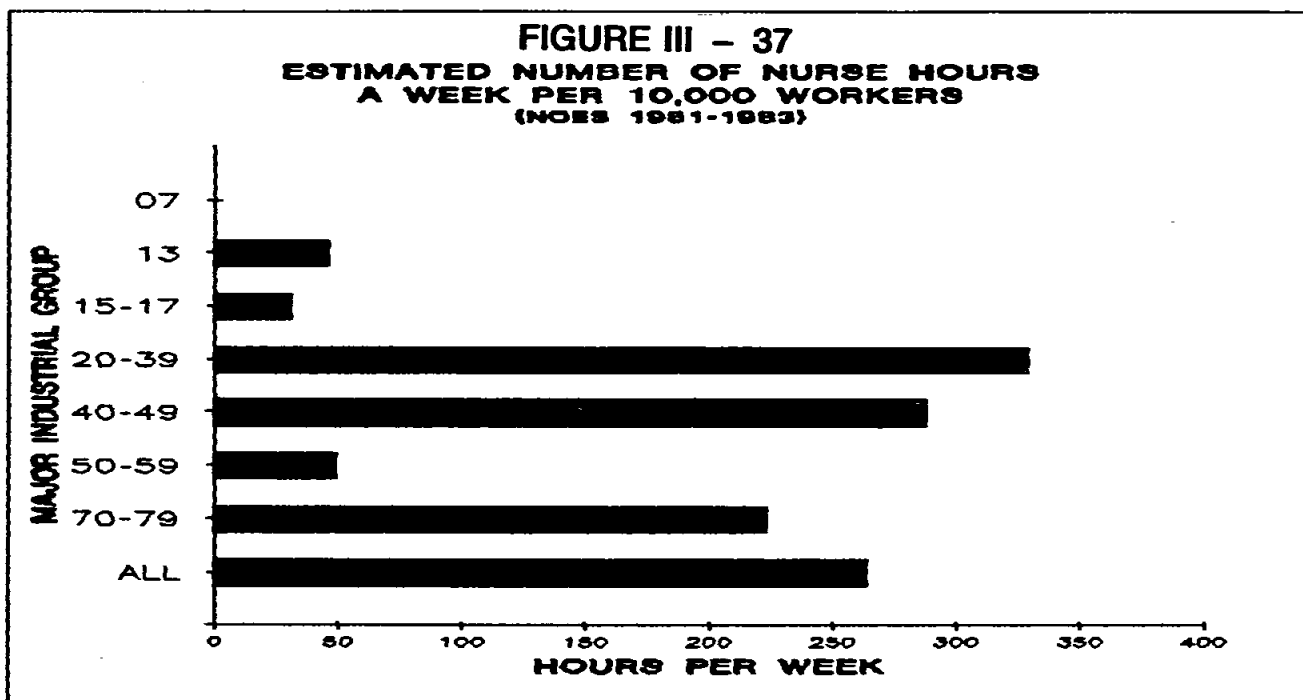
The estimated average number of nurse hours per week devoted to employee health care per 10,000 workers is displayed in Figures III-37 and III-38, and the second four columns of Tables III-33 and III-34.

Figure III-37 Estimated number of nurse hours a week per 10,000 workers

(by major industrial group)

Figure III-38 Estimated number of nurse hours a week per 10,000 workers

(by 2-digit SIC)



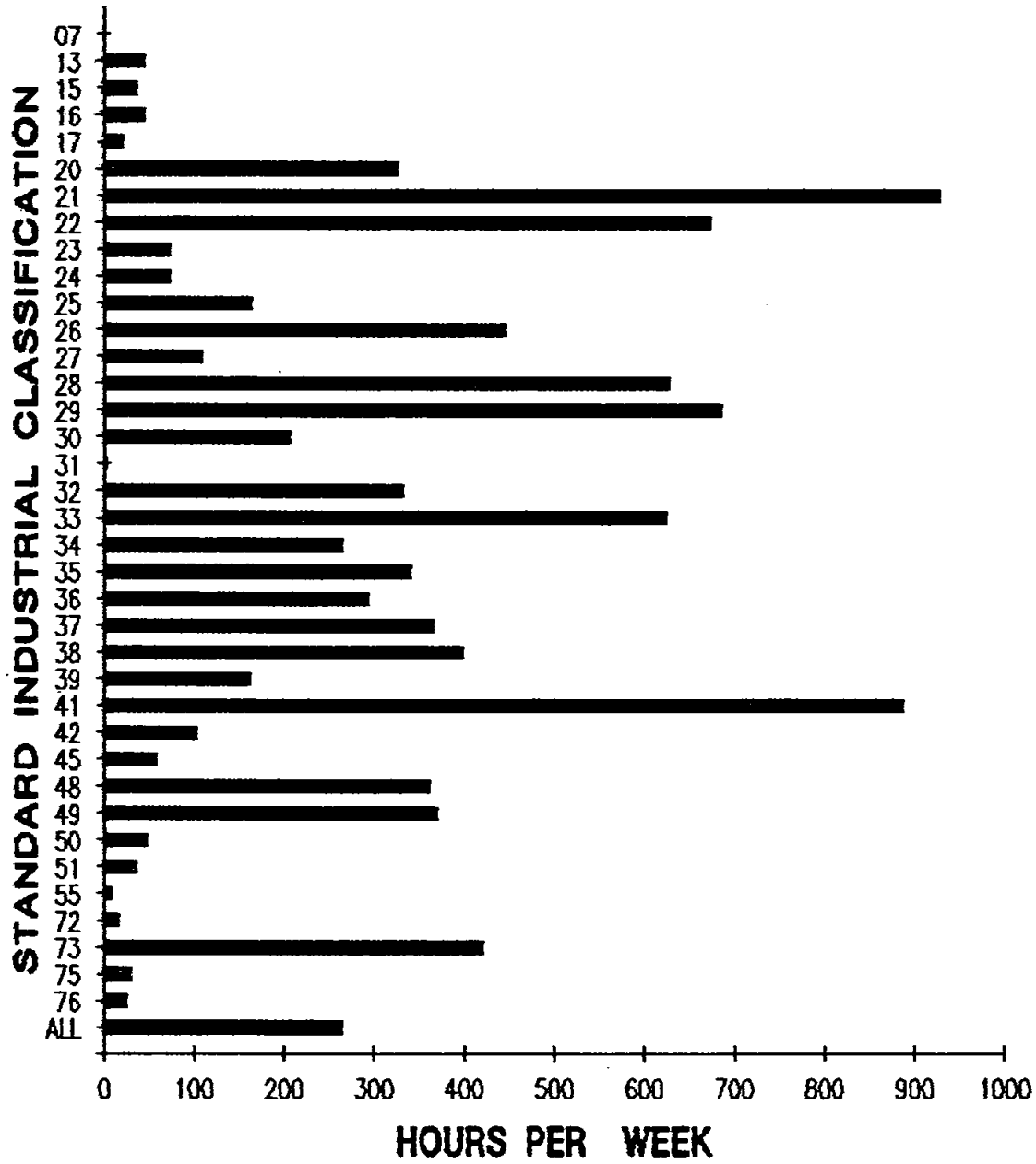
NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. III-33

ESTIMATED AVERAGE NUMBER OF NURSE HOURS A WEEK PER FACILITY AND PER 10,000 WORKERS

MAJOR GROUP	ESTIMATED NURSE HOURS PER FACILITY				ESTIMATED NURSE HOURS PER 10,000 WORKERS			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL
07	...	...	...	...	...	...	...	...
13	<1	2* (1)	...	<1	16* (24)	94* (75)	...	47* (24)
15-17	...	<1	12* (7)	...	24 (5)	24* (7)	123* (54)	32 (5)
20-39	<1	6 (1)	69 (4)	3 ($<.5$)	51* (15)	284 (36)	523 (23)	330 (18)
40-49	1* (1)	2* (1)	20 (4)	2* (1)	471* (244)	123* (62)	164* (47)	289* (104)
50-59	<1	2* (1)	...	<1	29* (7)	109* (55)	...	50* (13)
70-79	<1	2* (1)	31* (11)	1* (1)	242* (271)	100* (42)	321* (126)	224* (173)
ALL	<1	4 (1)	61 (3)	2 ($<.5$)	121* (43)	217 (28)	482 (19)	265 (23)

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

FIGURE III - 38
ESTIMATED NUMBER OF NURSE HOURS
A WEEK PER 10,000 WORKERS
 (NOES 1981-1983)



ESTIMATED AVERAGE NUMBER OF NURSE HOURS A WEEK PER FACILITY AND PER 10,000 WORKERS

SIC CODE	ESTIMATED NURSE HOURS PER FACILITY				ESTIMATED NURSE HOURS PER 10,000 WORKERS			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL
07	...	...	...	...	...	...	...	...
13	<1	2* (1)	...	<1	16* (24)	94* (75)	...	47* (24)
15	<1	<1	11* (14)	...	24* (9)	22* (9)	115* (62)	37 (8)
16	<1	1* (≥.25)	13* (9)	<1	24* (9)	35* (13)	133* (80)	46* (14)
17	<1	<1	...	<1	24* (7)	18* (12)	...	23* (7)
20	<1	7 (2)	49 (10)	3 ($<.5$)	30* (10)	336 (72)	552 (114)	328 (43)
21	12* (33)	...	130* (166)	97* (108)	1875* (5632)	...	914* (990)	930* (872)
22	2* (2)	14* (6)	63* (22)	10* (3)	605* (519)	660* (283)	725* (271)	676* (245)
23	<1	1* (≥.25)	27* (13)	1* (≥.25)	15* (9)	35* (20)	313* (103)	75* (25)
24	<1	1* (≥.25)	29* (104)	<1	4* (2)	64* (24)	328* (380)	75* (27)
25	<1	4* (4)	37* (140)	2* (1)	2* (4)	160* (161)	358* (304)	165* (82)
26	<1	9* (5)	65 (14)	5* (2)	42* (18)	478* (293)	675 (75)	448* (144)
27	<1	1* (1)	34 (8)	1* (≥.25)	6* (6)	62* (57)	307* (97)	111* (40)
28	<1	12* (3)	112 (28)	7* (2)	49* (14)	546 (131)	897 (142)	630 (101)
29	...	15* (10)	107* (36)	11* (5)	...	702* (367)	918* (299)	687* (181)
30	<1	1* (1)	60 (15)	2* (1)	23* (8)	61* (50)	572 (119)	208* (62)
31	...	<1	<1	<1	...	2* (2)	7* (11)	2* (1)
32	<1	5* (3)	76* (30)	2* (1)	24* (11)	225* (100)	1082* (333)	334* (108)
33	1* (1)	14* (4)	121 (22)	11 (2)	422* (207)	652* (199)	658 (156)	626 (84)

SIC CODE	ESTIMATED NURSE HOURS PER FACILITY				ESTIMATED NURSE HOURS PER 10,000 WORKERS			
	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	ALL
34	<1	7* (2)	51 (12)	2 ($<.5$)	28* (10)	350* (89)	502 (77)	267 (45)
35	...	6 (1)	78 (9)	3 ($<.5$)	33 (8)	288 (65)	546 (67)	343 (36)
36	<1	5* (2)	56 (5)	5 (1)	22* (9)	244* (103)	372 (32)	295 (38)
37	<1	6* (2)	142 (16)	12* (4)	148* (232)	304* (82)	398 (42)	368 (39)
38	...	2* (1)	68 (14)	7* (2)	...	101* (58)	617 (124)	400 (88)
39	<1	6* (3)	11* (86)	1* (1)	13* (9)	311* (131)	179* (520)	164* (90)
41	4* (4)	...	...	4* (4)	1505* (1556)	...	...	889* (870)
42	<1	1* (2)	17* (11)	<1	104* (39)	85* (81)	185* (99)	105* (34)
45	<1	1* (1)	14* (7)	1* (≥.25)	6* (8)	52* (39)	80* (26)	60* (17)
48	1* (1)	...	89* (69)	2* (1)	504* (537)	...	428* (224)	364* (348)
49	3* (2)	3* (3)	16* (11)	3* (2)	854* (705)	131* (143)	187* (160)	372* (234)
50	<1	2* (1)	...	<1	29* (7)	109* (55)	...	50* (13)
51	<1	...	...	...	43* (14)	...	...	37* (15)
55	<1	...	...	<1	12* (11)	...	...	9* (9)
72	<1	...	...	<1	24* (22)	...	...	19* (19)
73	2* (2)	3* (1)	32* (11)	3* (2)	743* (848)	121* (58)	332* (130)	423* (340)
75	<1	1* (1)	...	<1	31* (18)	71* (51)	...	32* (18)
76	<1	3* (4)	...	<1	11* (11)	149* (124)	...	28* (20)
ALL	<1	4 (1)	62 (3)	2 ($<.5$)	122* (43)	219 (28)	483 (19)	267 (23)

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