

## **APPENDICES**

## **Appendix A**

The two tables in appendix A describe the smoking habits of more than 18,000 employees from 16 components of the General Electric Company in various parts of the United States (personal communication, T. R. Casey and H. R. Richards, General Electric Company, June 1985). The data are presented to demonstrate the differences that can exist by payment category within the same workforce. The employees categorized as exempt are managers and specialists in various professions who are not bound by the provisions of the wage and hours law. Nonexempt personnel are generally clerical and secretarial workers, and hourly personnel are skilled and semi-skilled people who work in manufacturing. It is clear that substantial differences in smoking habits exist between men and women, between older and younger workers, and among employees in the three payment classifications.

**TABLE A1.—Sample of smoking habits of employees of 16 workforce components of the General Electric Company, May 1985**

Category	Nonsmokers				Smokers				Ex-smokers				Total
	Women		Men		Women		Men		Women		Men		
	≤45	>45	≤45	>45	≤45	>45	≤45	>45	≤45	>45	≤45	>45	
<b>Exempt</b>													
≤ 20 cigs/day													
No. of employees	264	29	1,208	404	53	15	320	286	33	9	252	266	3,139
Years of smoking					721	485	5,172	9,979	232	205	2,050	5,106	
Average years					13.6	32.3	16.2	34.9	7.0	22.8	8.1	19.2	
> 20 cigs/day													
No. of employees					9	4	122	140	6	3	75	163	522
Years of smoking					154	135	2,175	4,363	56	66	820	3,527	
Average years					17.1	33.8	17.8	31.2	9.3	22.0	10.9	21.6	
<b>Nonexempt</b>													
≤ 20 cigs/day													
No. of employees	370	135	528	94	188	79	273	83	75	29	131	91	2,076
Years of smoking					2,441	2,376	3,631	2,810	555	518	1,111	1,919	
Average years					13.0	30.1	13.3	33.9	7.4	17.9	8.5	21.1	
> 20 cigs/day													
No. of employees					47	20	130	35	11	9	57	40	349
Years of smoking					863	666	2,021	1,220	161	226	761	1,092	
Average years					18.4	33.3	15.5	34.9	14.6	25.1	13.4	27.3	

**TABLE A1.—Continued**

Category	Nonsmokers				Smokers				Ex-smokers				Total
	Women		Men		Women		Men		Women		Men		
	≤ 45	> 45	≤ 45	> 45	≤ 45	> 45	≤ 45	> 45	≤ 45	> 45	≤ 45	> 45	
<b>Hourly</b>													
<b>≤ 20 cigs/day</b>													
No. of employees	1,521	1,153	1,779	582	1,211	674	1,558	716	219	168	501	507	10,589
Years of smoking					17,247	21,786	22,287	25,942	2,036	3,682	4,579	11,986	
Average years					14.2	32.3	14.3	36.2	9.3	21.9	9.1	23.6	
<b>&gt; 20 cigs/day</b>													
No. of employees					155	91	405	259	35	34	144	233	1,356
Years of smoking					2,714	3,083	7,520	9,716	482	870	1,706	6,265	
Average years					17.5	33.9	18.6	37.5	13.8	25.6	11.8	26.9	
Total employees	2,155	1,317	3,515	1,080	1,663	883	2,808	1,519	379	252	1,160	1,300	18,031

SOURCE: General Electric Company Corporate Medical Operation (1985).

**TABLE A2.—Smoking habits of General Electric employees in various employment categories**

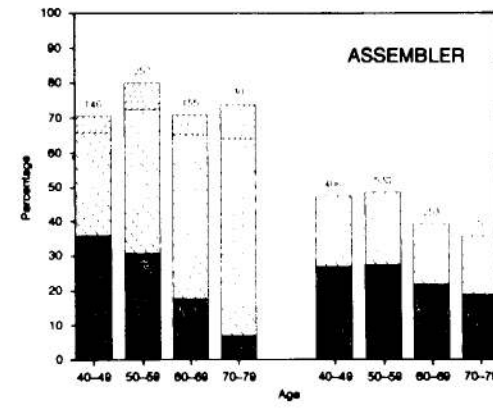
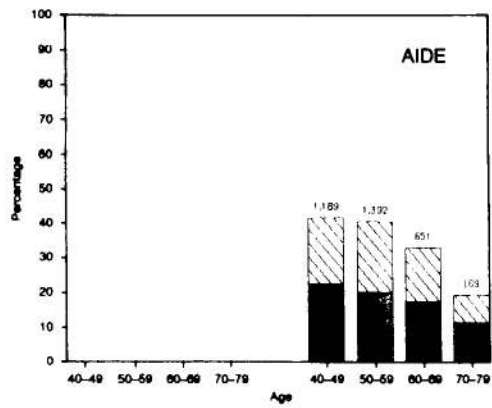
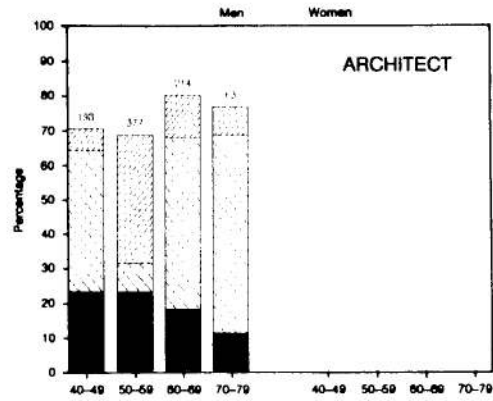
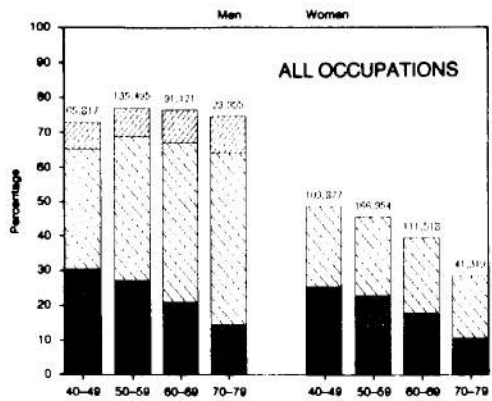
Category	Men						Women					
	Never	≤ 45 years old		Never	≥ 45 years old		Never	≤ 45 years old		Never	≥ 45 years old	
		Current	Former		Current	Former		Current	Former		Current	Former
<b>Exempt</b>												
Total	61.1	22.4	16.5	32.1	35.1	34.1	72.3	17.0	10.7	48.3	31.7	20
< 20 cigarettes/day		72.4	77.1		67.1	62.0		85.5	84.6		78.9	75
> 20 cigarettes/day		27.6	22.9		32.9	38.0		14.5	15.4		21.1	25
<b>Nonexempt</b>												
Total	47.2	36.0	16.8	27.4	34.4	38.2	53.6	34.0	12.4	49.6	36.4	14.0
< 20 cigarettes/day		67.7	69.7		70.3	69.5		80.0	87.2		79.8	76.3
> 20 cigarettes/day		32.3	30.3		29.7	30.5		20.0	12.8		20.2	23.7
<b>Hourly</b>												
Total	40.6	44.7	14.7	25.7	42.4	32.2	48.4	43.5	8.1	54.4	36.1	9.5
< 20 cigarettes/day		79.4	77.7		73.4	68.5		88.7	86.2		88.1	83.2
> 20 cigarettes/day		20.6	22.3		26.6	31.5		11.3	13.8		11.9	16.8

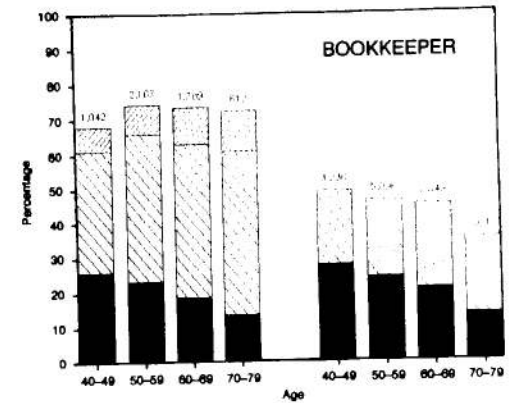
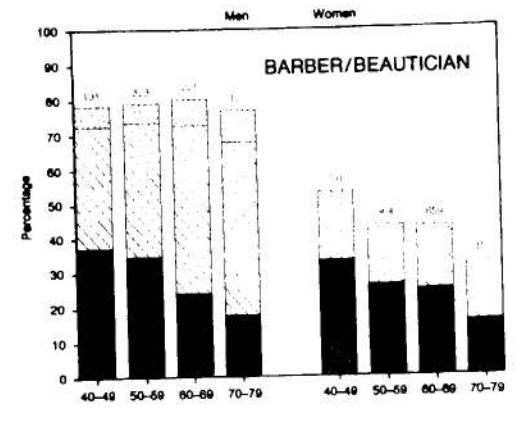
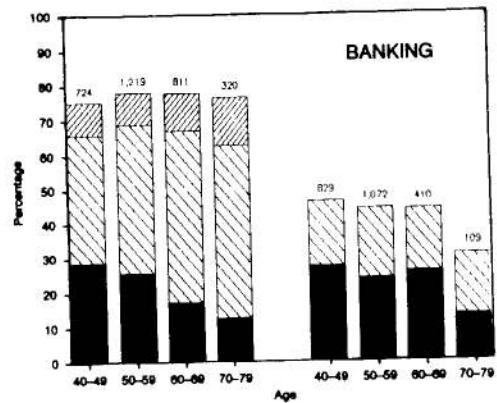
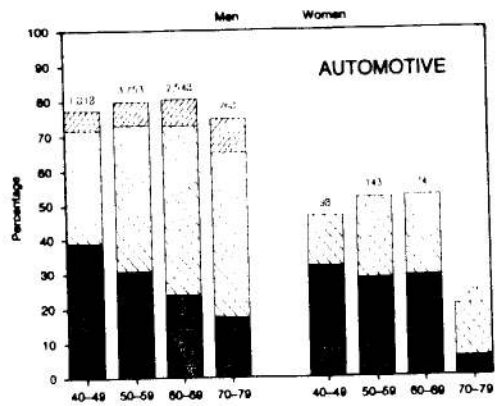
## Appendix B

The data in appendix B, portrayed in bar graph format (personal communication, L. Garfinkel, October 1985), represent smoking characteristics by age, occupation, and sex of the more than 1.2 million men and women studied in the American Cancer Society's Cancer Prevention Study II. This study, initiated in 1982, is the largest known prospective study of its kind. The data on smoking and occupation were collected at the time of enrollment. Occupational categories were determined from answers to open-ended questions and, therefore, may not correspond to U.S. Department of Labor categories.

These data provide comparative information on smoking habits within occupational categories to demonstrate the variability that exists between the estimates derived from individual research designs and the national probability estimates derived from surveys. The number above each bar represents the total population for each age and occupational category. The first graph presents the percentages for all occupations; the occupational categories compared are the following.

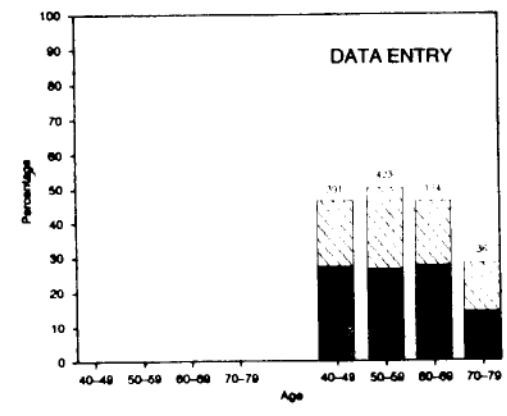
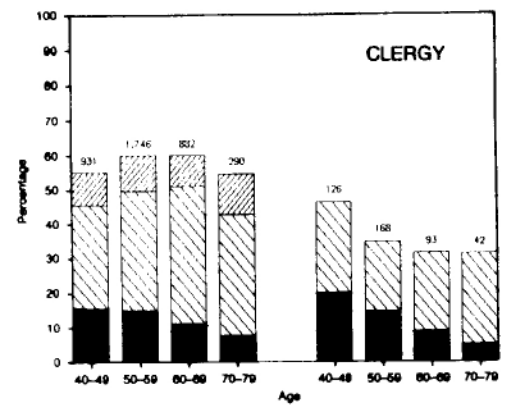
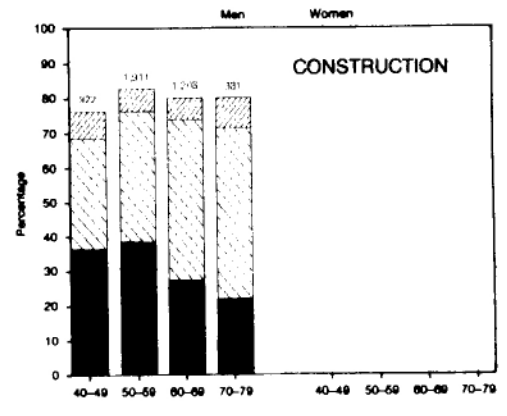
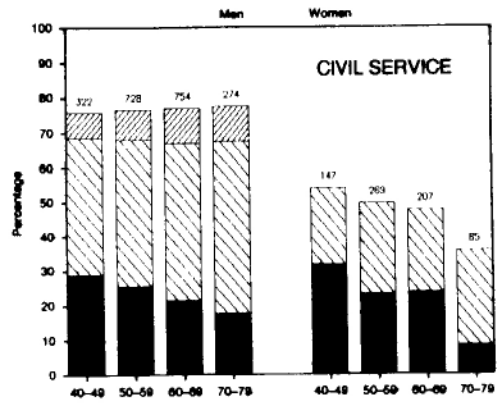
Aide	Farmer	Pharmacy
Architect	Fire Fighter	Photo and Printing
Assembler	Food Preparation	Plumber
Automotive	Foreman	Postal Service
Banking	Heavy Equipment	Printing
Barber/Beautician	Hospital Worker	Railroad Worker
Bookkeeper	Housewife	Real Estate
Civil Service	Law Enforcement	Sales
Clergy	Lawyer	Social Worker
Construction	Machine Operator	Steel Mill
Data Entry	Maid	Technician
Dentistry	Maintenance	Telephone Operator
Disabled	Manager	Textile
Doctor	Military	Truck Driver
Education	Miner	Unemployed
Electrician	Nursing	Waiter/Waitress
Engineer	Office Worker	Welder
Executive	Painter	Woodworker
Factory Worker		



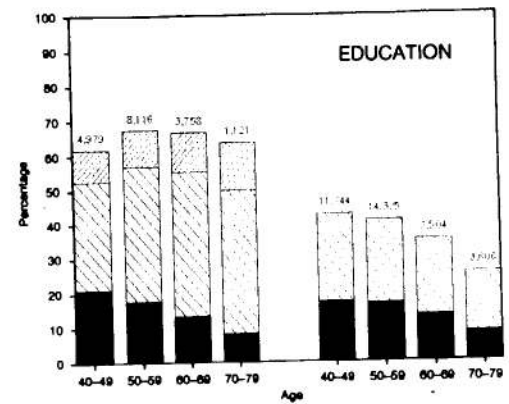
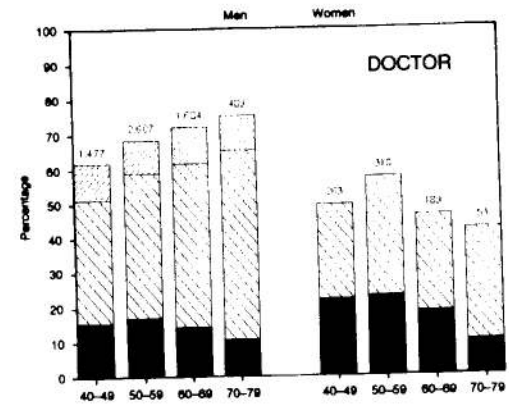
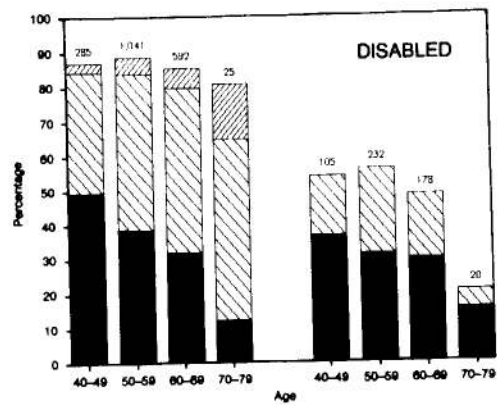
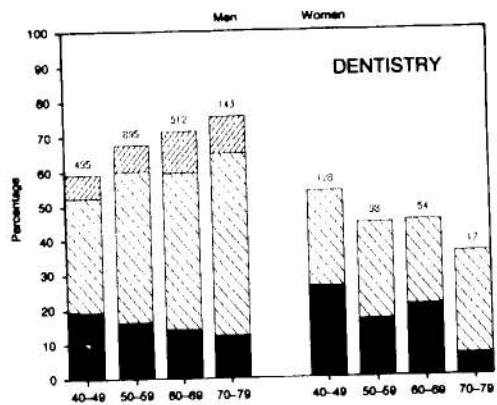


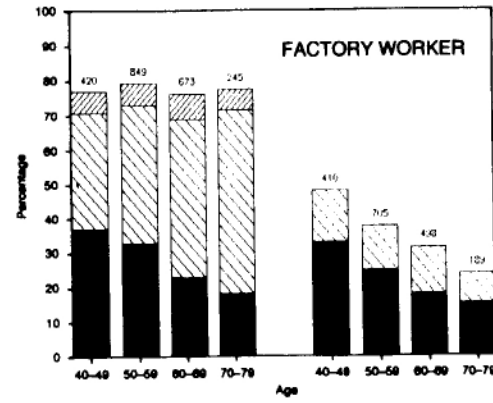
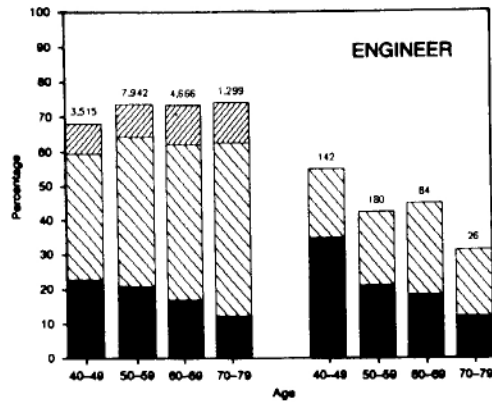
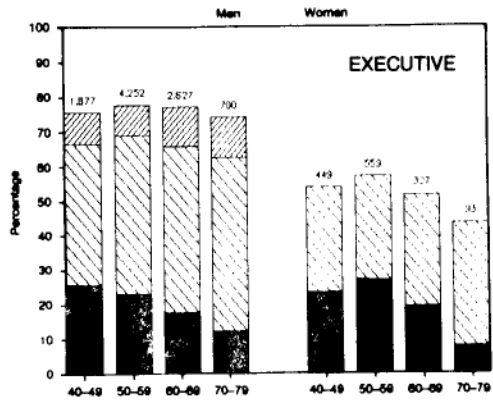
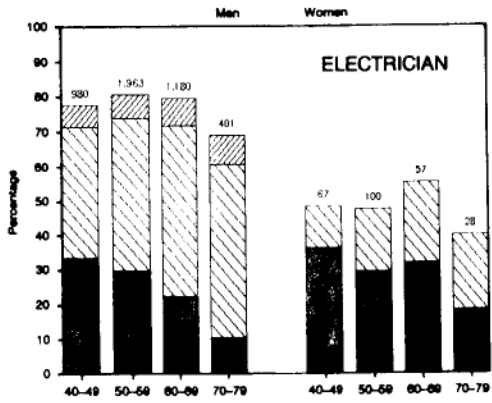
Current cigarette smokers  
 Former cigarette smokers  
 Pipe and Cigar



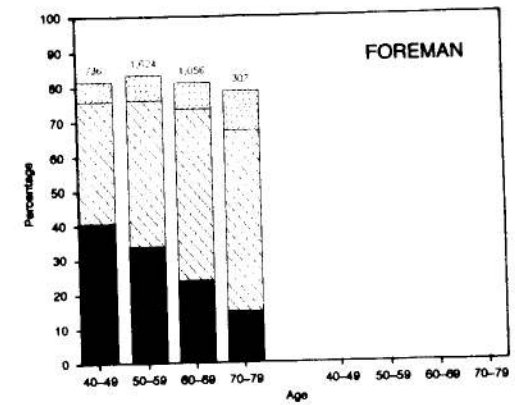
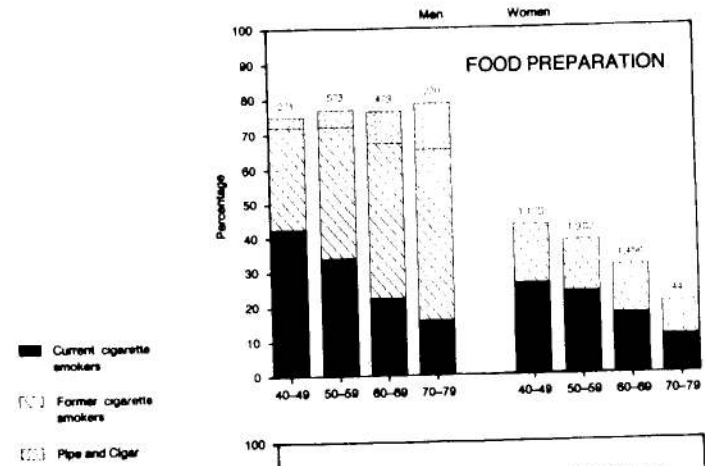
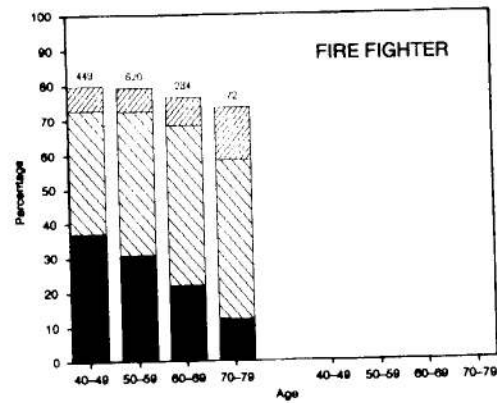
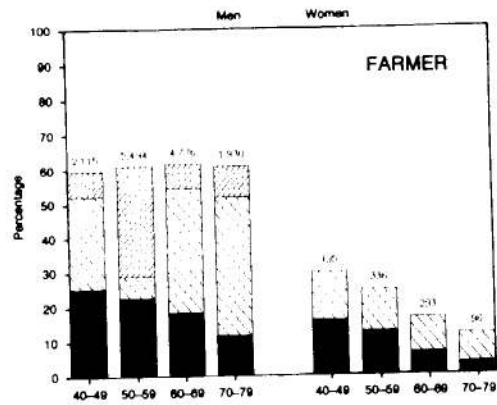


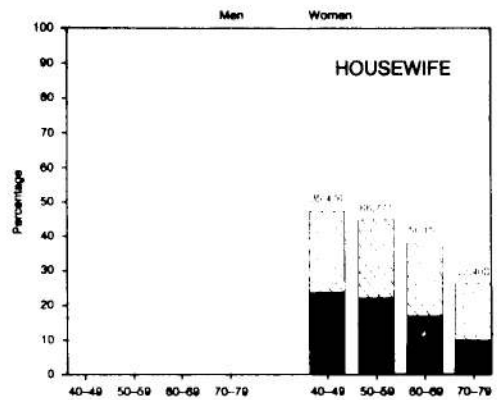
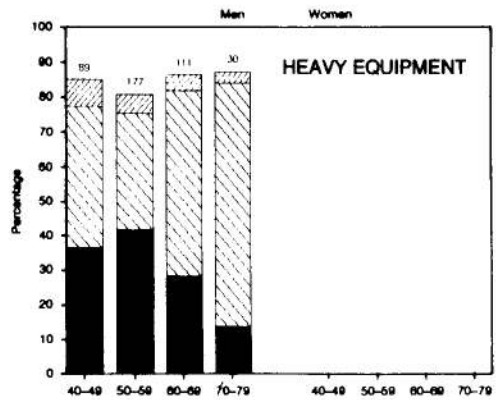
■ Current cigarette smokers  
 ▨ Former cigarette smokers  
 ▩ Pipe and Cigar



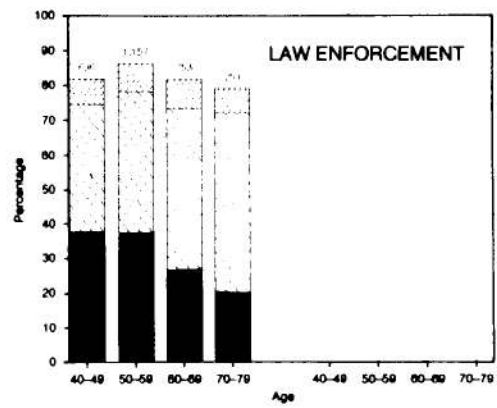
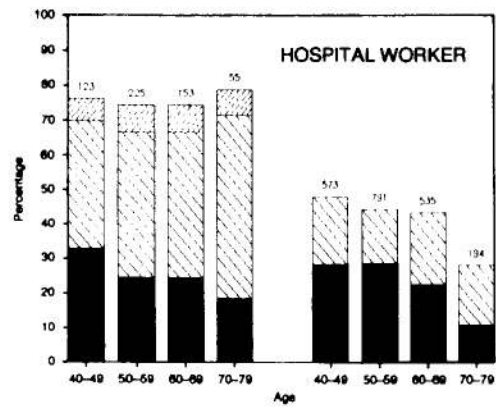


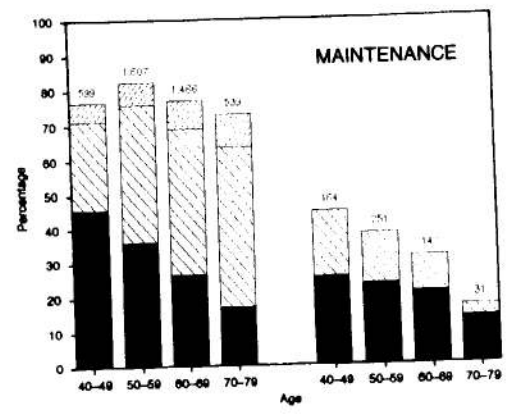
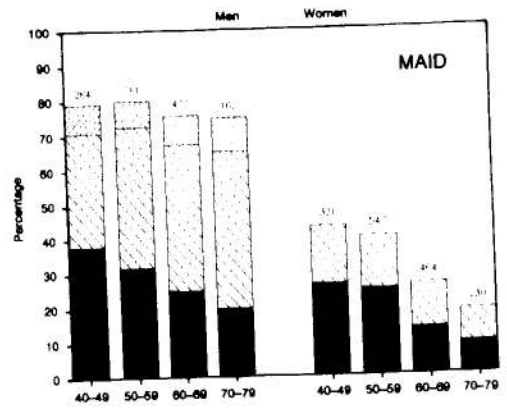
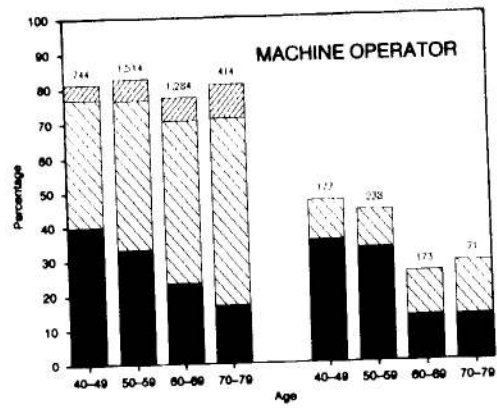
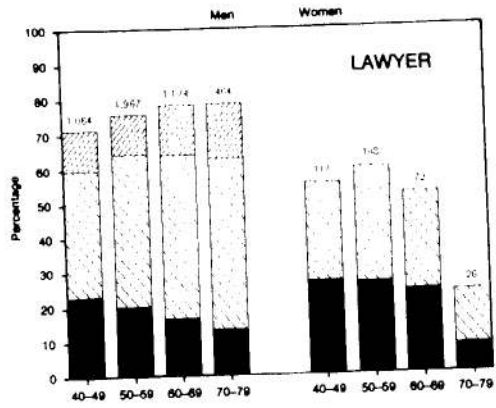
■ Current cigarette smokers  
 ▨ Former cigarette smokers  
 □ Pipe and Cigar



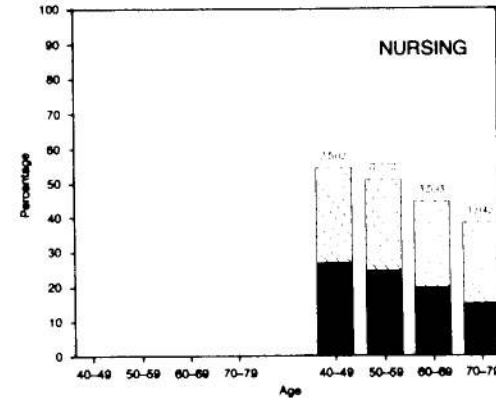
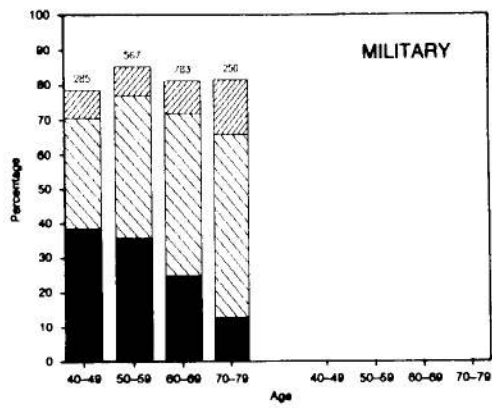
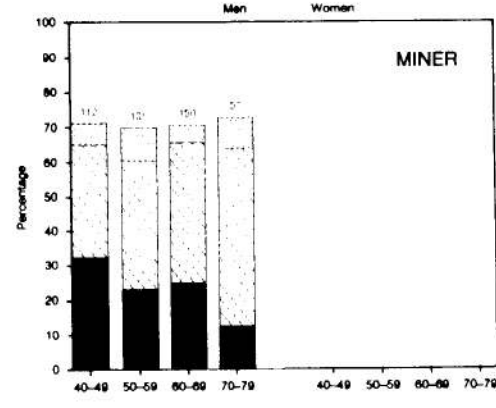
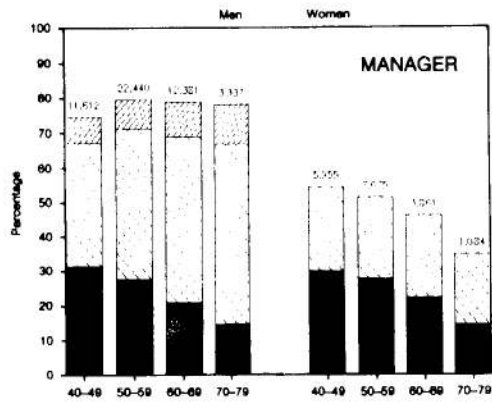


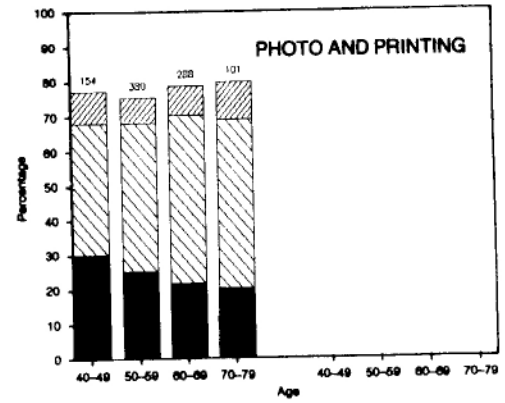
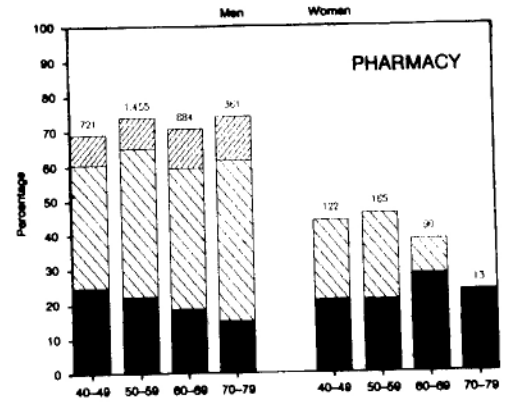
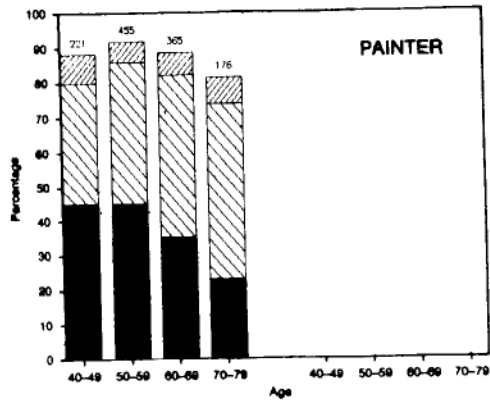
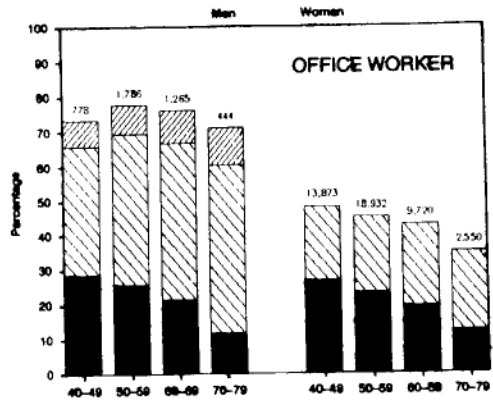
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 ▨ Former cigarette smokers  
 ▩ Pipe and Cigar





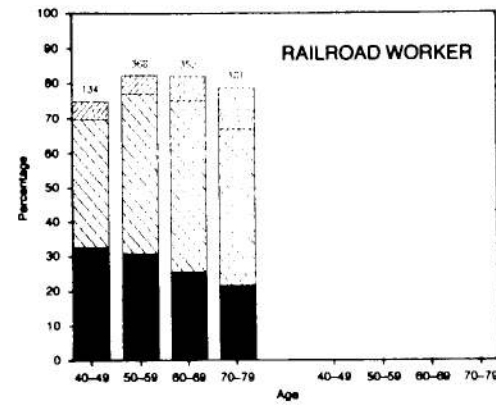
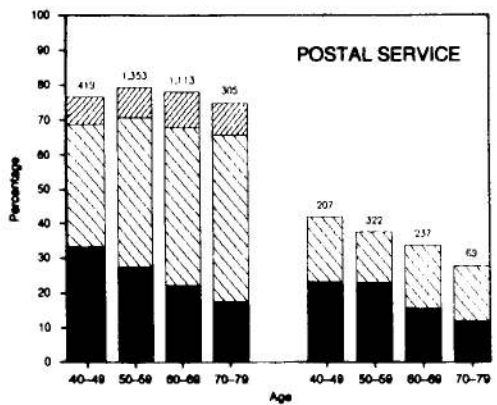
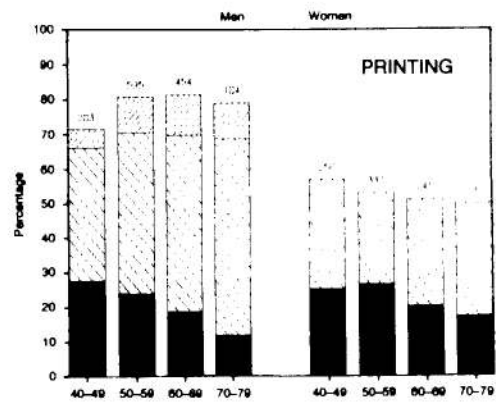
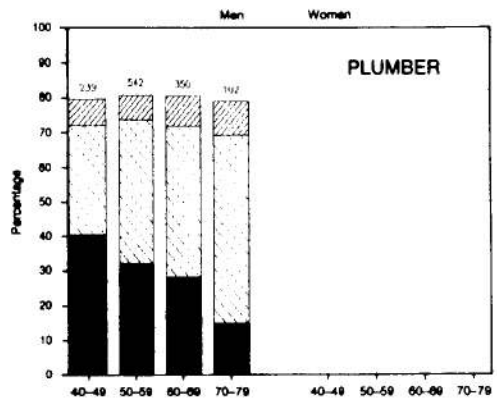
Current cigarette smokers  
 Former cigarette smokers  
 Pipe and Cigar

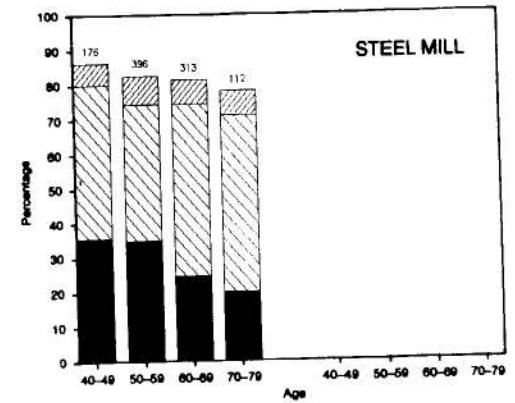
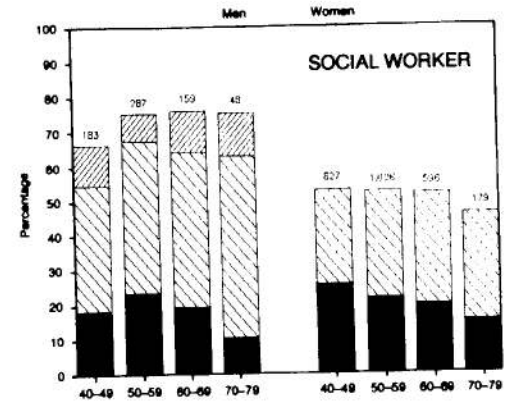
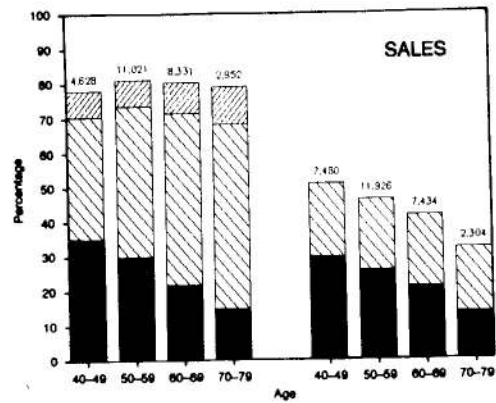
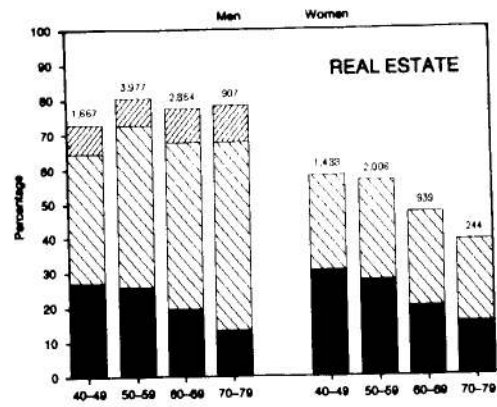




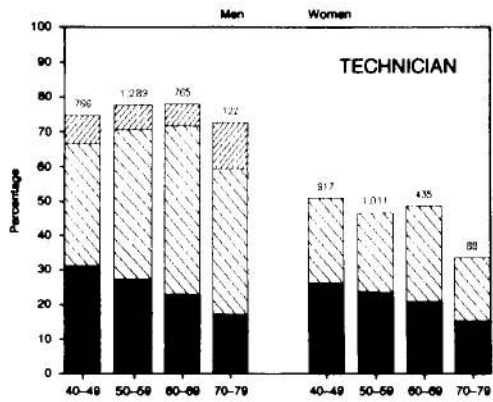
■ Current cigarette smokers  
 ▨ Former cigarette smokers  
 ▩ Pipe and Cigar



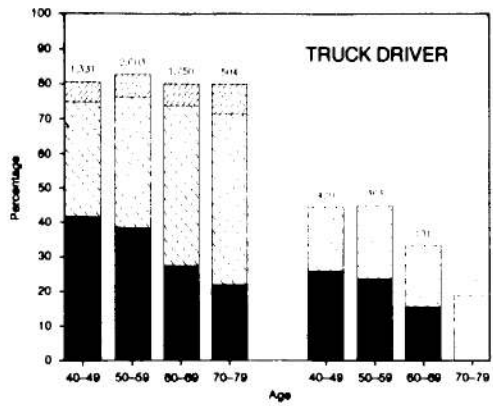
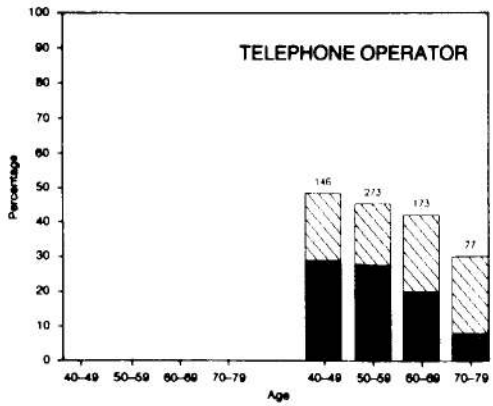
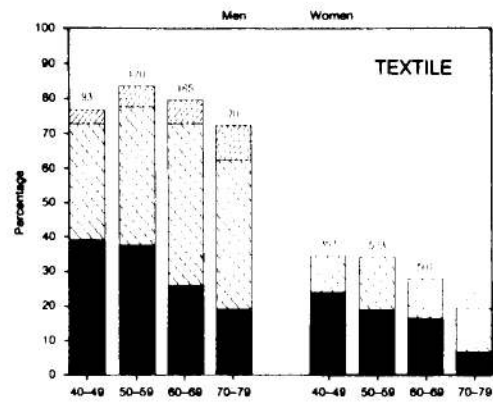


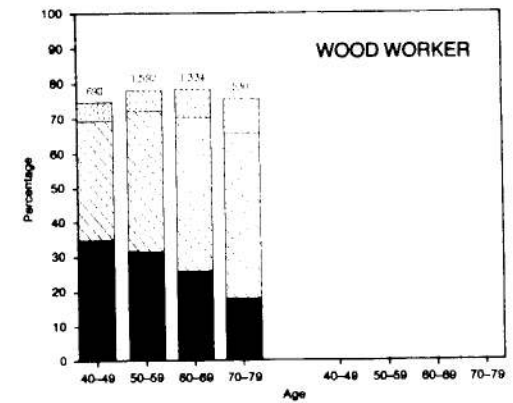
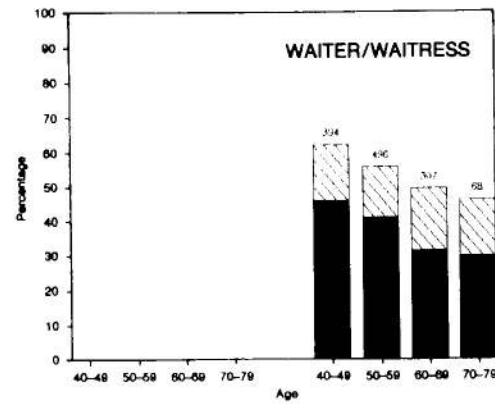
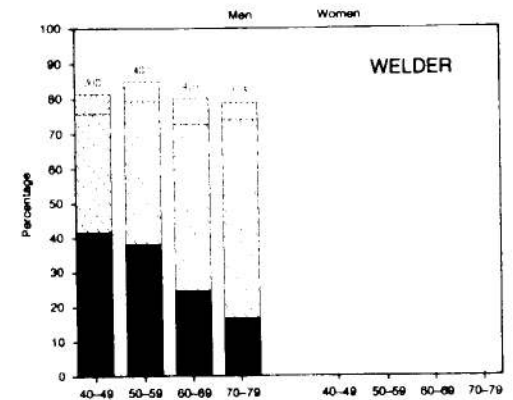
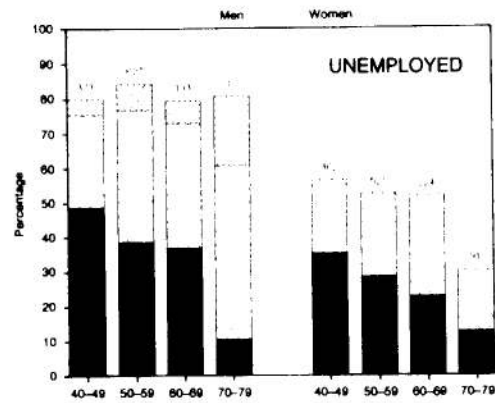


Current cigarette smokers  
 Former cigarette smokers  
 Pipe and Cigar



■ Current cigarette smokers  
 ▨ Former cigarette smokers  
 ▤ Pipe and Cigar





- Current cigarette smokers
- ▨ Former cigarette smokers
- ▤ Pipe and Cigar

## **CHAPTER 3**

### **EVALUATION OF SMOKING-RELATED CANCERS IN THE WORKPLACE**

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Examination of Occupational Exposures When Smoking Habits Are Not Known

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Summary and Conclusions

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References