### Selected Findings for the Services Sector From the 2010 National Health Interview Survey – Occupational Health Supplement (NHIS-OHS)



### Background

In 2010, the National Institute for Occupational Safety and Health (NIOSH), recognizing a growing need for current, national estimates on work-related health and safety conditions, sponsored an occupational health supplement (OHS) to the National Health Interview Survey (NHIS).

The interviewed sample adult component of the 2010 NHIS consisted of 27,157 persons, of whom approximately 17,524 had been employed in the past 12 months. The sample is designed and weighted to produce national estimates.

For more information on the NHIS and to access the 2010 NHIS data, please refer to the following website: (<u>http://www.cdc.gov/nchs/nhis.htm</u>)

### Purpose

This profile summarizes the 2010 NHIS-OHS data for the Services sector through figures and tables in an effort to provide sector leaders with information so they can better understand health and exposure burdens specific to their industry.

In the 2010 NHIS-OHS, the sample of those employed by the Services sector consisted of 8,467 persons, excluding workers employed in public safety occupations. This sample accounted for almost half of all workers surveyed and represented almost 74 million workers. This profile summarizes the prevalence of selected health outcomes; work organization and psychosocial factors; and physical and chemical exposures among workers in the Services sector. All Services workers are compared to all U.S. workers combined, and comparisons are made among 25 Services subsectors, although small sample sizes within several of the subsectors limit the reporting of some estimates.

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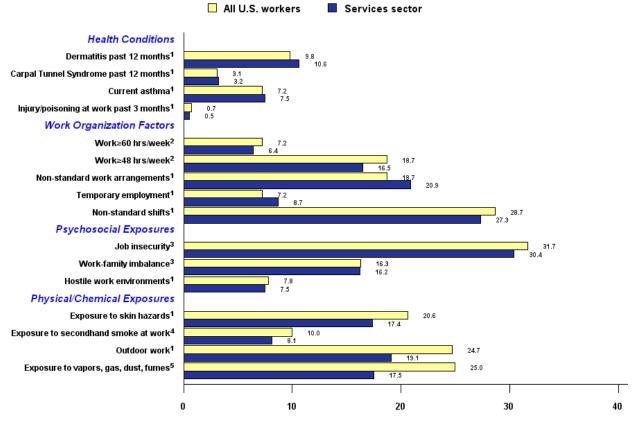
		Estimated Population	% of U.S. Services
Industry subsector	Census 2007 industry codes	Represented by	Jervices
		Sample	workforce
Publishing industries (except			
internet)	6470, 6480, 6490	794,693	1.1
Motion picture, sound recording,			
broadcasting, and		2 502 020	o <b>F</b>
telecommunications industries	6570, 6590, 6670, 6680, 6690	2,583,939	3.5
Information services and data	6770 6672 6605 6790	175 622	0.6
processing Finance industries	6770, 6672, 6695, 6780	475,623	
Insurance carriers and related	6870, 6880, 6890, 6970	3,992,264	5.4
activities	6990	2,368,724	3.2
Real estate	7070	2,308,724	3.2
Rental and leasing services, including	,0,0	2,330,273	5.2
commercial, industrial, and other			
intangible assets	7080, 7170, 7180, 7190	497,862	0.7
Legal, accounting, tax preparation,	/080, /1/0, /180, /190	497,802	0.7
bookkeeping, and payroll services	2220 2200	2 767 246	27
	7270, 7280	2,767,216	3.7
Architectural, engineering, and related services	7200	4 767 750	2.4
	7290	1,767,758	2.4
Scientific research and development services	7460	700 000	1.0
	7460	733,690	1.0
Other professional, scientific, and			
technical services, including management of companies and			
enterprises	7370, 7380, 7390, 7470, 7490, 7570	5,018,920	6.8
Administrative and support services	7580, 7590, 7670, 7680, 7690, 7770,	5,010,520	0.8
Administrative and support services	7780	6,391,327	8.6
Waste management services	7790	487,115	0.7
Elementary and secondary schools	7860	9,918,602	13.4
Other Educational Services	7870, 7880, 7890	5,390,806	7.3
Independent artists, performing arts,	, , , , , , , , , , , , , , , , , , , ,	3,330,000	7.5
spectator sports, and related			
industries	8560	1,048,684	1.4
Museums, art galleries, historical			
sites, and similar institutions	8570	421,774	0.6
Amusement, gambling, and			
recreation industries	8580, 8590	1,936,046	2.6
Accommodation	8660, 8670	1,362,723	1.8
Food services and drinking places	8680, 8690	9,380,817	12.7
Repair and maintenance	8770, 8780, 8790, 8870, 8880, 8890	2,050,639	2.8
Personal services	8970, 8980, 8990, 9070, 9080, 9090	2,548,966	3.5
Religious, grantmaking, civic, labor,	-,,,	_,,	
professional, and similar			
organizations	9160, 9170, 9180, 9190	2,144,618	2.9
Private households	9290	1,046,315	1.4

Public Administration Industries,	9370, 9380, 9390, 9470, 9480, 9490,		
excluding public safety workers	9570, 9590	6,414,222	8.7
Total		73,941,622	100

	Census 2010 occupation	Estimated Population	% of U.S. Services
Occupational category	codes	Represented by Sample	workforce
Management Occupations	0010-0430	8,114,861	11.0
Business and Financial Operations			
Occupations	0500-0950	5,293,742	7.2
Computer and Mathematical Occupations			
	1005-1240	3,287,937	4.5
Architecture and Engineering Occupations			
	1300-1560	1,460,421	2.0
Life, Physical, and Social Science			
Occupations	1600-1965	931,578	1.3
Community and Social Services			
Occupations	2000-2060	1,553,207	2.1
Legal Occupations	2100-2160	1,662,653	2.3
Education, Training, and Library			
Occupations	2200-2550	9,521,067	12.9
Arts, Design, Entertainment, Sports and			
Media Occupations	2600-2960	2,662,622	3.6
Healthcare Practitioners and Technical			
Occupations	3000-3540	526,392	0.7
Healthcare Support Occupations	3600-3655	258,446	0.4
Protective Service Occupations	3700-3955	1,191,518	1.6
Food Preparation and Serving Related			
Occupations	4000-4160	7,817,697	10.6
Building and Grounds Cleaning and			
Maintenance Occupations	4200-4250	4,956,809	6.7
Personal Care and Service Occupations	4300-4650	3,238,579	4.4
Sales and Related Occupations	4700-4965	4,944,010	6.7
Office and Administrative Support			
Occupations	5000-5940	9,743,564	13.2
Farming, Fishing, and Forestry Occupations			
	6005-6130	85,489	0.1
Construction and Extraction Occupations			
	6200-6940	685,720	0.9
Installation, Maintenance, and Repair			
Occupations	7000-7630	2,455,479	3.3
Production Occupations	7700-8965	1,460,147	2.0
Transportation and Material Moving			
Occupations	9000-9750	1,890,227	2.6
Total*		73,742,165	100

\*The total number of Services workers represented by these occupational groups is slightly less than the total number of workers represented by the full industry sample due to missing values for occupation.

## Figure 1. Prevalence of selected health conditions; work organization and psychosocial factors; and physical and chemical exposures among U.S. workers (Services sector vs. All U.S. workers, 2010)



Prevalence Rate (%)

<sup>1</sup>Among U.S. adults who have worked in the past 12 months.

<sup>2</sup>Among U.S. adults who have worked in the past 12 months, who only held 1 job.

<sup>3</sup>Among U.S. adults who were employed in the week prior to interview.

<sup>4</sup>Among non-smoking U.S. adults who have worked in the past 12 months.

<sup>5</sup>Exposure during longest-held job (all other exposures refer to current or most recent job).

		/	All U.S. workers		:	Services sect	or
		Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval	Prevalence (%)	Standard Error of Prevalenc	95% Confidence Interval
						e	
Health Conditions	Dermatitis in the past 12 months <sup>1</sup>	9.8	0.3	9.2-10.3	10.6	0.4	9.8-11.5
	Carpal tunnel syndrome in the past 12						
	months <sup>1</sup>	3.1	0.2	2.8-3.4	3.2	0.2	2.8-3.6
	Current asthma <sup>1</sup>	7.2	0.2	6.7-7.6	7.5	0.3	6.8-8.2
	Injury or poisoning at work in the past 12 months <sup>1</sup>	2.8	0.4	2.0-3.4	2	0.4	1.1-2.7
Work Organization Factors	Work 60 hours a week or more <sup>2</sup>	7.2	0.3	6.7-7.7	6.4	0.4	5.7-7.1
	Work 48 hours a week or more <sup>2</sup>	18.7	0.4	18.0-19.5	16.5	0.6	15.4-17.6
	Non-standard work arrangements <sup>1</sup>	18.7	0.4	18.0-19.4	20.9	0.5	19.9-22.0
	Temporary employment <sup>1</sup>	7.2	0.3	6.7-7.7	8.7	0.4	8.0-9.5
	Non-standard shifts <sup>1</sup>	28.7	0.5	27.8-29.7	27.3	0.6	26.0-28.6
Psychosocial Exposures	Job insecurity <sup>3</sup>	31.7	0.5	30.8-32.6	30.4	0.6	29.1-31.6
	Work-family imbalance <sup>3</sup>	16.3	0.4	15.6-17.1	16.2	0.5	15.2-17.3
	Hostile work environments <sup>1</sup>	7.8	0.3	7.3-8.4	7.5	0.4	6.7-8.3
Physical/Chemical	Exposure to potential skin hazards at work <sup>1</sup>	20.6	0.4	19.8-21.3	17.4	0.5	16.4-18.4
Exposures	Exposure to secondhand smoke at work <sup>4</sup>	10	0.3	9.3-10.6	8.1	0.4	7.3-8.9
	Exposure to outdoor work <sup>1</sup>	24.7	0.4	23.8-25.6	19.1	0.6	18.1-20.2
	Exposure to vapors, gas, dust, or fumes <sup>5</sup>	25	0.4	24.2-25.8	17.5	0.5	16.4-18.5

## Table 1. Prevalence of selected health conditions; work organization and psychosocial factors; and physical and chemical exposures among U.S. workers (Services sector vs. All U.S. workers, 2010)

<sup>1</sup> Among U.S. adults who have worked in the past 12 months.

 $^{\rm 2}$  Among U.S. adults who have worked in the past 12 months, who only held 1 job.

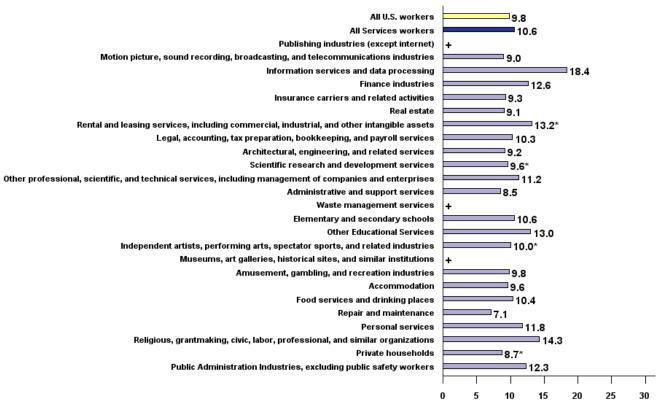
<sup>3</sup> Among U.S. adults who were employed in the week prior to interview.

<sup>4</sup> Among non-smoking U.S. adults who have worked in the past 12 months.

<sup>5</sup> Exposure during longest-held job (all other exposures refer to current or most recent job).

#### Figure 2. Prevalence of dermatitis in the past 12 months among U.S. adults who worked in the past 12 months by Services subsector, 2010

NHIS Question: During the past 12 months, have you had dermatitis, eczema or any other red, inflamed skin rash?



Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

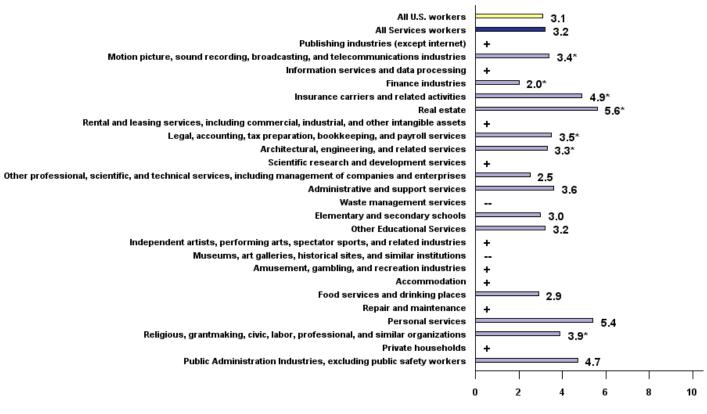
	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	9.8	0.3	9.2-10.3
Services	10.6	0.4	9.8-11.5
Publishing industries (except internet)	+	+	+
Motion picture, sound recording, broadcasting, and telecommunications industries	9.0	2.1	4.9-13.1
Information services and data processing	18.4	5.0	8.5-28.3
Finance industries	12.6	1.8	9.1-16.2
Insurance carriers and related activities	9.3	1.8	5.8-12.7
Real estate	9.1	1.8	5.5-12.8
Rental and leasing services, including commercial, industrial, and other intangible			
assets Legal, accounting, tax preparation, bookkeeping, and payroll services	13.2*	5.9	<u>1.5-24.8</u> 6.5-14.1
Architectural, engineering, and related services	9.2	2.2	4.9-13.6
Scientific research and development services	9.6*	3.2	3.2-15.9
Other professional, scientific, and technical services, including management of companies			
and enterprises Administrative and support services	11.2	1.5	8.3-14.1
Waste management services	8.5	1.1	6.3-10.7
Elementary and secondary schools	+	+	+
Other Educational Services	10.6	1.1	8.4-12.7
Independent artists, performing arts, spectator sports, and related industries	<u> </u>	<u> </u>	9.7-16.2
Museums, art galleries, historical sites, and similar institutions	+		
Amusement, gambling, and recreation industries	9.8	2.9	4.0-15.5
Accommodation	9.6	2.6	4.4-14.8
Food services and drinking places	10.4	1.4	7.7-13.1
Repair and maintenance	7.1	1.9	3.3-10.8
Personal services	11.8	2.3	7.2-16.3
Religious, grantmaking, civic, labor, professional, and similar organizations	14.3	2.7	9.0-19.6
Private households	8.7*	2.7	3.4-14.1
Public Administration Industries, excluding public safety workers	12.3	1.3	9.8-14.9

## Table 2. Prevalence of dermatitis in the past 12 months among U.S. adults who worked in the past 12 months by Services subsector, 2010

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

### Figure 3. Prevalence of carpal tunnel syndrome in the past 12 months among U.S. adults who worked in the past 12 months by Services subsector, 2010

NHIS Question: Have you ever been told by a doctor or other health professional that you have a condition affecting the wrist/hand called carpal tunnel syndrome? During the past 12 months, have you had carpal tunnel syndrome?



Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

+ Estimates with a relative standard error >50% are not shown as they do not meet NCHS reliability/precision standards.

	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	3.1	0.2	2.8-3.4
Services	3.2	0.2	2.8-3.6
Publishing industries (except internet)	+	+	+
Motion picture, sound recording, broadcasting,			
and telecommunications industries	3.4*	1.3	0.9-5.9
Information services and data processing	+	+	+
Finance industries	2.0*	0.6	0.8-3.3
Insurance carriers and related activities	4.9*	1.5	1.9-7.8
Real estate	5.6*	2.5	0.8-10.5
Rental and leasing services, including commercial, industrial, and other intangible			
assets	+	+	+
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	3.5*	1.1	1.4-5.7
Architectural, engineering, and related services	3.3*	1.3	0.7-5.9
Scientific research and development services	+	+	+
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	2.5	0.7	1.2-3.9
Administrative and support services	3.6	0.9	2.0-5.3
Waste management services			
Elementary and secondary schools	3.0	0.6	1.8-4.1
Other Educational Services	3.2	0.8	1.6-4.8
Independent artists, performing arts, spectator sports, and related industries	+	+	+
Museums, art galleries, historical sites, and similar institutions			
Amusement, gambling, and recreation industries	+	+	+
Accommodation	+	+	+
Food services and drinking places	2.9	0.6	1.7-4.0
Repair and maintenance	+	+	+
Personal services	5.4	1.6	2.3-8.5
Religious, grantmaking, civic, labor, professional, and similar organizations	3.9*	1.4	1.1-6.7
Private households	+	+	+
Public Administration Industries, excluding public safety workers	4.7	0.8	3.2-6.2

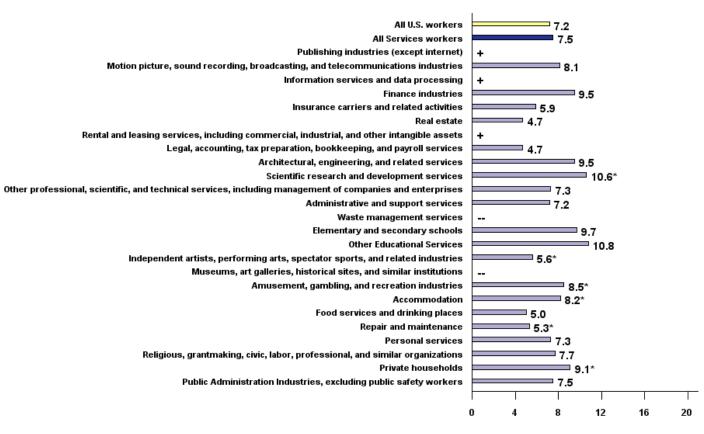
 Table 3. Prevalence of carpal tunnel syndrome in the past 12 months among U.S. adults who worked in the past 12 months by Services subsector, 2010

 $^{\ast}$  These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

+ Estimates with a relative standard error >50% are not shown as they do not meet NCHS reliability/precision standards.

#### Figure 4. Prevalence of current asthma among U.S. adults who worked in the past 12 months by Services subsector, 2010

NHIS Question: Have you ever been told by a doctor or health professional that you had asthma? Do you still have asthma?



Prevalence Rate (%)

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+ Estimates with a relative standard error >50% are not shown as they do not meet NCHS reliability/precision standards.

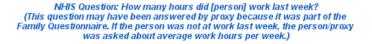
Table 4. Prevalence of current asthma among U.S. adults who worked in the past 12 months by Services
subsector, 2010

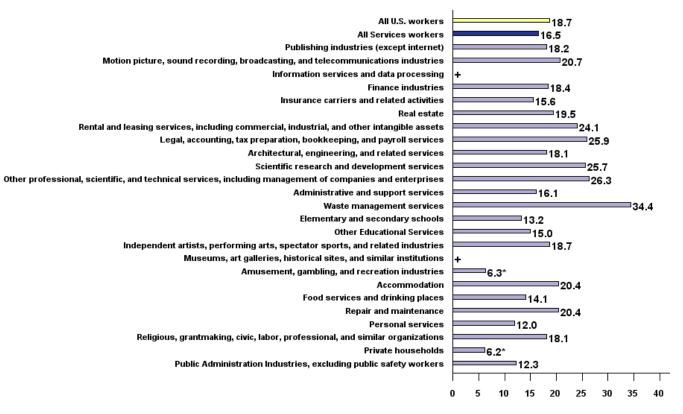
	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	7.2	0.2	6.7-7.6
Services	7.5	0.3	6.8-8.2
Publishing industries (except internet)	+	+	+
Motion picture, sound recording, broadcasting,			
and telecommunications industries	8.1	2.0	4.1-12.0
Information services and data processing	+	+	+
Finance industries	9.5	1.8	6.0-13.0
Insurance carriers and related activities	5.9	1.2	3.5-8.3
Real estate	4.7	1.3	2.1-7.3
Rental and leasing services, including commercial, industrial, and other intangible			
assets	+	+	+
Legal, accounting, tax preparation,	47	10	0070
bookkeeping, and payroll services	4.7	1.3	2.2-7.3
Architectural, engineering, and related services	9.5	2.8	4.1-14.9
Scientific research and development services	10.6*	3.5	3.7-17.5
Other professional, scientific, and technical services, including management of companies			
and enterprises	7.3	1.3	4.7-9.9
Administrative and support services	7.2	1.2	4.9-9.6
Waste management services			
Elementary and secondary schools	9.7	1.1	7.5-11.8
Other Educational Services	10.8	1.5	7.8-13.9
Independent artists, performing arts, spectator sports, and related industries	5.6*	2.0	1.7-9.5
Museums, art galleries, historical sites, and similar institutions			
Amusement, gambling, and recreation industries	8.5*	2.6	3.3-13.7
Accommodation	8.2*	2.5	3.2-13.1
Food services and drinking places	5.0	0.8	3.4-6.6
Repair and maintenance	5.3*	1.7	1.9-8.7
Personal services	7.3	1.8	3.7-11.0
Religious, grantmaking, civic, labor, professional, and similar organizations	7.7	1.7	4.4-11.1
Private households	9.1*	4.3	0.7-17.5
Public Administration Industries, excluding	5.1	т.5	0.7 17.0
public safety workers	7.5	1.0	5.5-9.5

 $^{\ast}$  These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

+ Estimates with a relative standard error >50% are not shown as they do not meet NCHS reliability/precision standards.

## Figure 5. Prevalence of working 48 hours a week or more among U.S. adults working one job at the time of interview by Services subsector, 2010





Prevalence Rate (%)

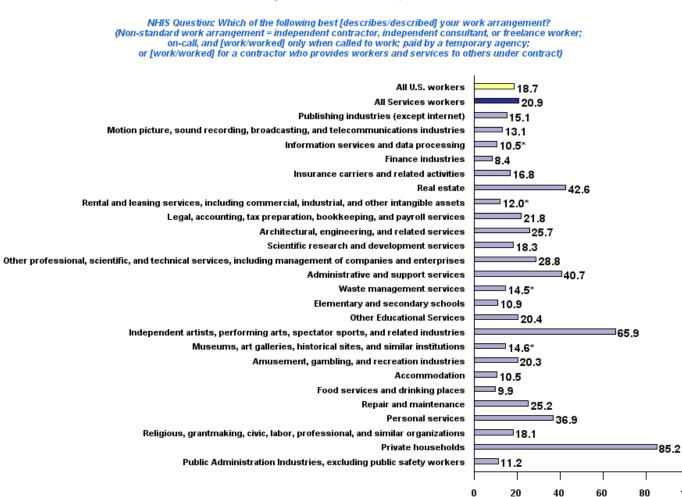
\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. workers	18.7	0.4	18.0-19.5
Services	16.5	0.6	15.4-17.6
Publishing industries (except internet)	18.2	4.6	9.0-27.3
Motion picture, sound recording, broadcasting,			
and telecommunications industries	20.7	3.0	14.9-26.6
Information services and data processing	+	+	+
Finance industries	18.4	2.3	13.9-23.0
Insurance carriers and related activities	15.6	2.8	10.0-21.1
Real estate	19.5	3.6	12.4-26.6
Rental and leasing services, including commercial, industrial, and other intangible assets	24.1	6.3	11.6-36.6
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	25.9	3.4	19.2-32.7
Architectural, engineering, and related services	18.1	3.5	11.2-25.0
Scientific research and development services	25.7	5.4	15.1-36.4
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	26.3	2.6	21.1-31.5
Administrative and support services	16.1	1.7	12.7-19.4
Waste management services	34.4	8.5	17.7-51.2
Elementary and secondary schools	13.2	1.4	10.5-15.9
Other Educational Services	15.0	1.8	11.4-18.6
Independent artists, performing arts, spectator sports, and related industries	18.7	4.5	9.7-27.6
Museums, art galleries, historical sites, and similar institutions	+	+	+
Amusement, gambling, and recreation industries	6.3*	2.3	1.7-10.8
Accommodation	20.4	3.8	12.9-27.9
Food services and drinking places	14.1	1.6	11.0-17.1
Repair and maintenance	20.4	3.6	13.4-27.4
Personal services	12.0	2.2	7.7-16.3
Religious, grantmaking, civic, labor, professional, and similar organizations	18.1	3.4	11.3-24.9
Private households	6.2*	2.1	2.1-10.4
Public Administration Industries, excluding public safety workers	12.3	1.5	9.3-15.3

# Table 5. Prevalence of working 48 hours a week or more among U.S. adults working one job at the time of interview by Services subsector, 2010

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 6. Prevalence of non-standard work arrangements among U.S. adults who worked in the past 12 months by Services subsector, 2010



Prevalence Rate (%)

100

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

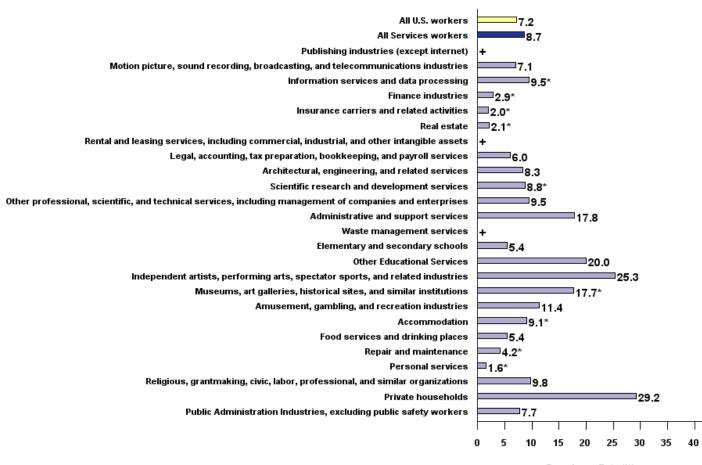
	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	18.7	0.4	18.0-19.4
Services	20.9	0.5	19.9-22.0
Publishing industries (except internet)	15.1	4.4	6.5-23.8
Motion picture, sound recording, broadcasting,			
and telecommunications industries	13.1	2.4	8.3-17.9
Information services and data processing	10.5*	4.7	1.3-19.8
Finance industries	8.4	1.4	5.7-11.0
Insurance carriers and related activities	16.8	2.4	12.1-21.5
Real estate	42.6	3.5	35.8-49.5
Rental and leasing services, including			
commercial, industrial, and other intangible			
assets	12.0*	4.7	2.8-21.1
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	21.8	2.9	16.1-27.6
Architectural, engineering, and related services	25.7	4.0	17.8-33.6
Scientific research and development services	18.3	4.5	9.5-27.1
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	28.8	2.3	24.2-33.4
Administrative and support services	40.7	2.1	36.6-44.9
Waste management services	14.5*	5.5	3.8-25.3
Elementary and secondary schools	10.9	1.1	8.7-13.2
Other Educational Services	20.4	2.0	16.5-24.2
Independent artists, performing arts, spectator			
sports, and related industries	65.9	4.9	56.3-75.6
Museums, art galleries, historical sites, and			
similar institutions	14.6*	6.0	2.7-26.4
Amusement, gambling, and recreation			
industries	20.3	3.5	13.5-27.1
Accommodation	10.5	2.8	5.1-16.0
Food services and drinking places	9.9	1.3	7.4-12.3
Repair and maintenance	25.2	3.2	18.8-31.5
Personal services	36.9	3.4	30.3-43.5
Religious, grantmaking, civic, labor,			
professional, and similar organizations	18.1	3.2	11.9-24.4
Private households	85.2	3.2	78.8-91.6
Public Administration Industries, excluding			
public safety workers	11.2	1.4	8.4-14.0

# Table 6. Prevalence of non-standard work arrangements among U.S. adults who worked in the past 12 months by Services subsector, 2010

 $^{\ast}$  These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 7. Prevalence of temporary employment among U.S. adults who worked in the past 12 months by Services subsector, 2010

#### NHIS Question: [Is your/was your] job temporary?



Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution

as they do not meet NCHS reliability/precision standards.

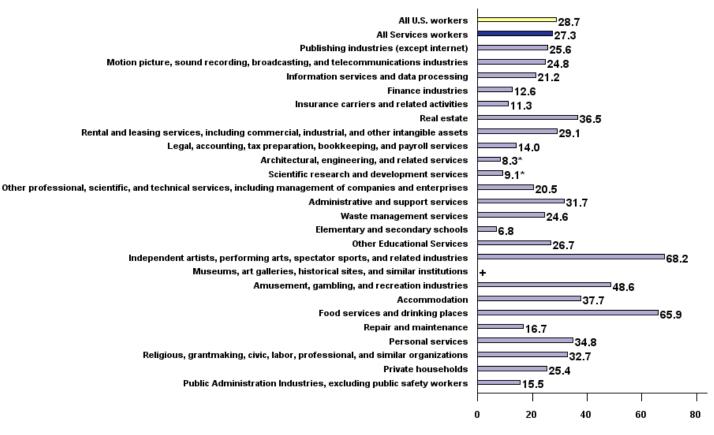
	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	7.2	0.3	6.7-7.7
Services	8.7	0.4	8.0-9.5
Publishing industries (except internet)	+	+	+
Motion picture, sound recording, broadcasting,			
and telecommunications industries	7.1	1.7	3.7-10.5
Information services and data processing	9.5*	4.2	1.1-17.8
Finance industries	2.9*	1.0	1.0-4.8
Insurance carriers and related activities	2.0*	0.8	0.5-3.5
Real estate	2.1*	0.8	0.4-3.7
Rental and leasing services, including			
commercial, industrial, and other intangible			
assets	+	+	+
Legal, accounting, tax preparation,		4.5	
bookkeeping, and payroll services	6.0	1.5	3.0-9.0
Architectural, engineering, and related services	8.3	2.5	3.5-13.2
Scientific research and development services	8.8*	2.9	3.1-14.4
Other professional, scientific, and technical			
services, including management of companies and enterprises	9.5	1.0	04405
	9.5 17.8	1.6 1.7	6.4-12.5 14.5-21.2
Administrative and support services			
Waste management services	+	+	+
Elementary and secondary schools Other Educational Services	5.4	0.9	3.7-7.0
	20.0	2.2	15.7-24.3
Independent artists, performing arts, spectator sports, and related industries	25.3	4.5	16.4-34.3
Museums, art galleries, historical sites, and	25.5	4.5	10.4-34.3
similar institutions	17.7*	6.7	4.6-30.8
Amusement, gambling, and recreation	17.7	0.7	4.0-30.0
industries	11.4	3.0	5.5-17.3
Accommodation	9.1*	3.8	1.6-16.5
Food services and drinking places	5.4	0.9	3.6-7.2
Repair and maintenance	4.2*	1.6	1.1-7.4
Personal services	1.6*	0.8	0.1-3.1
Religious, grantmaking, civic, labor,			
professional, and similar organizations	9.8	2.4	5.1-14.4
Private households	29.2	5.5	18.3-40.1
Public Administration Industries, excluding			
public safety workers	7.7	1.1	5.5-10.0

#### Table 7. Prevalence of temporary employment among U.S. adults who worked in the past 12 months by Services subsector, 2010

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 8. Prevalence of non-standard shifts among U.S. adults who worked in the past 12 months by Services subsector, 2010

NHIS Question: Which of the following best describes the hours you usually [work/worked]? (Non-standard shift = a regular evening shift; a regular night shift; a rotating shift; or some other schedule not including a regular daytime schedule)



Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

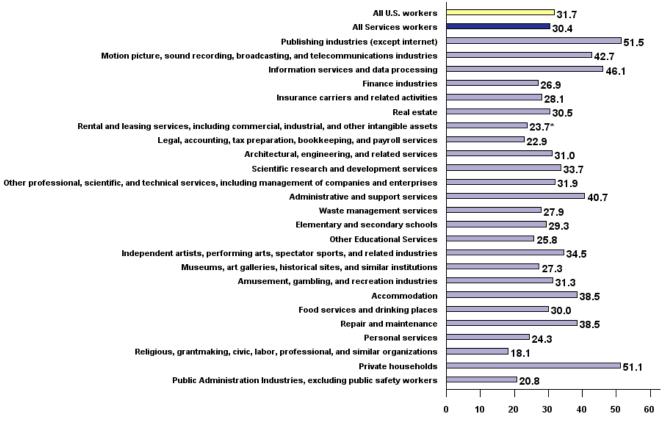
Table 8. Prevalence of non-standard shifts among U.S. adults who worked in the past 12 months by
Services subsector, 2010

	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	28.7	0.5	27.8-29.7
Services	27.3	0.6	26.0-28.6
Publishing industries (except internet)	25.6	5.5	14.8-36.4
Motion picture, sound recording, broadcasting,			
and telecommunications industries	24.8	2.9	19.0-30.6
Information services and data processing	21.2	6.2	8.9-33.4
Finance industries	12.6	2.0	8.6-16.6
Insurance carriers and related activities	11.3	2.3	6.8-15.8
Real estate	36.5	3.6	29.5-43.5
Rental and leasing services, including			
commercial, industrial, and other intangible			
assets	29.1	7.4	14.6-43.7
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	14.0	2.5	9.0-19.0
Architectural, engineering, and related services	8.3*	2.5	3.3-13.3
Scientific research and development services	9.1*	3.2	2.8-15.3
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	20.5	2.2	16.3-24.8
Administrative and support services	31.7	1.9	27.9-35.4
Waste management services	24.6	6.8	11.3-37.9
Elementary and secondary schools	6.8	0.9	4.9-8.6
Other Educational Services	26.7	2.2	22.4-30.9
Independent artists, performing arts, spectator			
sports, and related industries	68.2	5.1	58.1-78.3
Museums, art galleries, historical sites, and			
similar institutions	+	+	+
Amusement, gambling, and recreation			
industries	48.6	4.3	40.1-57.1
Accommodation	37.7	4.8	28.4-47.1
Food services and drinking places	65.9	1.8	62.4-69.4
Repair and maintenance	16.7	3.1	10.7-22.7
Personal services	34.8	3.5	27.8-41.7
Religious, grantmaking, civic, labor,			
professional, and similar organizations	32.7	3.8	25.2-40.1
Private households	25.4	4.4	16.7-34.1
Public Administration Industries, excluding			
public safety workers	15.5	1.5	12.5-18.5

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 9. Prevalence of job insecurity among working U.S. adults by Services subsector, 2010

NHIS Question: I [am/was] worried about becoming unemployed. (Job insecurity = strongly agree or agree)



Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

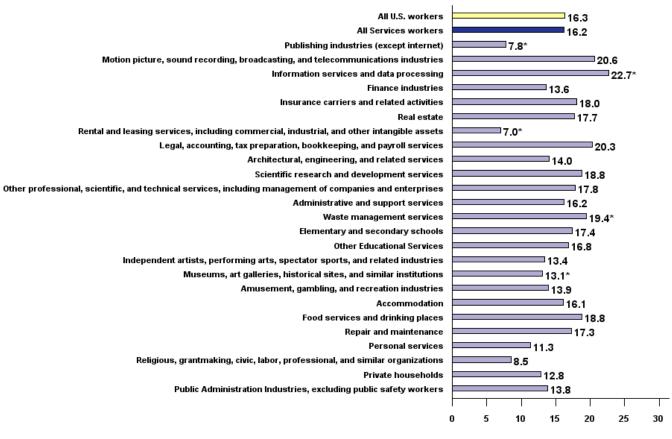
	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	31.7	0.5	30.8-32.6
Services	30.4	0.6	29.1-31.6
Publishing industries (except internet)	51.5	5.9	39.9-63.1
Motion picture, sound recording, broadcasting,			
and telecommunications industries	42.7	3.6	35.7-49.8
Information services and data processing	46.1	8.3	29.9-62.4
Finance industries	26.9	2.7	21.6-32.2
Insurance carriers and related activities	28.1	3.1	22.0-34.2
Real estate	30.5	3.6	23.5-37.6
Rental and leasing services, including commercial, industrial, and other intangible			
assets	23.7*	7.6	8.8-38.6
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	22.9	3.1	16.9-28.9
Architectural, engineering, and related services	31.0	4.0	23.1-38.9
Scientific research and development services	33.7	5.6	22.8-44.7
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	31.9	2.7	26.7-37.1
Administrative and support services	40.7	2.3	36.2-45.3
Waste management services	27.9	7.7	12.7-43.0
Elementary and secondary schools	29.3	1.8	25.7-32.9
Other Educational Services	25.8	2.3	21.3-30.2
Independent artists, performing arts, spectator sports, and related industries	34.5	5.7	23.4-45.7
Museums, art galleries, historical sites, and similar institutions	27.3	7.7	12.0-42.5
Amusement, gambling, and recreation industries	31.3	3.7	23.9-38.7
Accommodation	38.5	5.0	28.7-48.4
Food services and drinking places	30.0	1.8	26.4-33.7
Repair and maintenance	38.5	4.0	30.6-46.4
Personal services	24.3	2.7	19.0-29.6
Religious, grantmaking, civic, labor,			
professional, and similar organizations	18.1	2.8	12.6-23.7
Private households	51.1	5.1	41.1-61.2
Public Administration Industries, excluding public safety workers	20.8	1.8	17.4-24.2

Table 9. Prevalence of job insecurity among working U.S. adults by Services subsector, 2010

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 10. Prevalence of work-family imbalance among working U.S. adults by Services subsector, 2010

NHIS Question: It [is/was] easy for me to combine work with family reponsibilities. (Work-family imbalance = disagree or strongly disagree)



Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

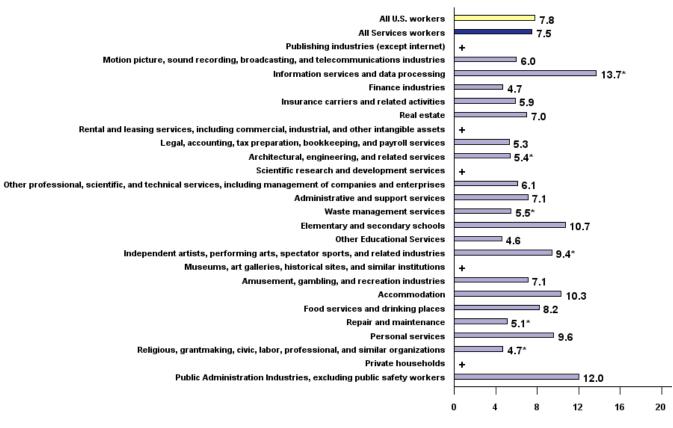
	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	16.3	0.4	15.6-17.1
Services	16.2	0.5	15.2-17.3
Publishing industries (except internet)	7.8*	2.9	2.1-13.5
Motion picture, sound recording, broadcasting,			
and telecommunications industries	20.6	2.9	14.9-26.3
Information services and data processing	22.7*	7.6	7.7-37.7
Finance industries	13.6	2.0	9.6-17.6
Insurance carriers and related activities	18.0	2.6	12.8-23.1
Real estate	17.7	3.4	11.1-24.3
Rental and leasing services, including			
commercial, industrial, and other intangible			
assets	7.0*	3.2	0.7-13.2
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	20.3	2.8	14.9-25.8
Architectural, engineering, and related services	14.0	3.0	8.0-19.9
Scientific research and development services	18.8	4.1	10.7-26.8
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	17.8	2.2	13.5-22.1
Administrative and support services	16.2	1.7	12.9-19.5
Waste management services	19.4*	6.7	6.1-32.6
Elementary and secondary schools	17.4	1.5	14.4-20.3
Other Educational Services	16.8	1.9	13.0-20.6
Independent artists, performing arts, spectator			
sports, and related industries	13.4	3.9	5.8-21.0
Museums, art galleries, historical sites, and			
similar institutions	13.1*	6.3	0.6-25.5
Amusement, gambling, and recreation			
industries	13.9	3.3	7.5-20.3
Accommodation	16.1	3.6	8.9-23.2
Food services and drinking places	18.8	1.5	15.8-21.8
Repair and maintenance	17.3	2.8	11.8-22.8
Personal services	11.3	2.5	6.3-16.3
Religious, grantmaking, civic, labor,			
professional, and similar organizations	8.5	2.0	4.7-12.4
Private households	12.8	3.7	5.6-20.1
Public Administration Industries, excluding		-	-
public safety workers	13.8	1.6	10.6-17.0

Table 10. Prevalence of work-family imbalance among working U.S. adults by Services subsector, 2010

 $^{\ast}$  These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 11. Prevalence of hostile work environments among U.S. adults who worked in the past 12 months by Services subsector, 2010

NHIS Question: During the past 12 months, were you threatened, bullied, or harassed by anyone while you were on the job?



Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

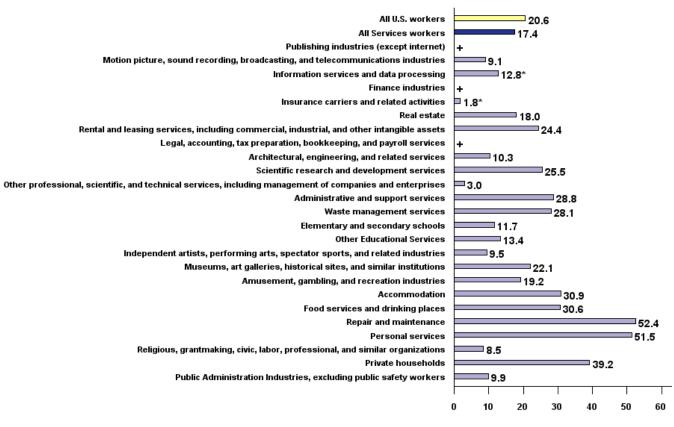
Table 11. Prevalence of hostile work environments among U.S. adults who worked in the past 12 months by
Services subsector, 2010

	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	7.8	0.3	7.3-8.4
Services	7.5	0.4	6.7-8.3
Publishing industries (except internet)	+	+	+
Motion picture, sound recording, broadcasting,			
and telecommunications industries	6.0	1.5	3.0-9.1
Information services and data processing	13.7*	6.4	1.0-26.3
Finance industries	4.7	1.0	2.8-6.6
Insurance carriers and related activities	5.9	1.6	2.8-9.1
Real estate	7.0	1.7	3.6-10.4
Rental and leasing services, including			
commercial, industrial, and other intangible			
assets	+	+	+
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	5.3	1.5	2.4-8.3
Architectural, engineering, and related services	5.4*	1.7	2.2-8.7
Scientific research and development services	+	+	+
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	6.1	1.2	3.8-8.4
Administrative and support services	7.1	1.1	5.0-9.1
Waste management services	5.5*	2.2	1.1-9.9
Elementary and secondary schools	10.7	1.2	8.4-13.0
Other Educational Services	4.6	1.0	2.7-6.6
Independent artists, performing arts, spectator			
sports, and related industries	9.4*	2.8	3.9-15.0
Museums, art galleries, historical sites, and			
similar institutions	+	+	+
Amusement, gambling, and recreation			
industries	7.1	2.1	3.0-11.2
Accommodation	10.3	2.6	5.2-15.3
Food services and drinking places	8.2	1.0	6.2-10.2
Repair and maintenance	5.1*	1.6	1.9-8.2
Personal services	9.6	2.8	4.0-15.1
Religious, grantmaking, civic, labor,			
professional, and similar organizations	4.7*	1.4	1.9-7.5
Private households	+	+	+
Public Administration Industries, excluding			
public safety workers	12.0	1.4	9.3-14.8

 $^{\ast}$  These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

### Figure 12. Prevalence of exposure to potential skin hazards at work among U.S. adults who worked in the past 12 months by Services subsector, 2010





Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

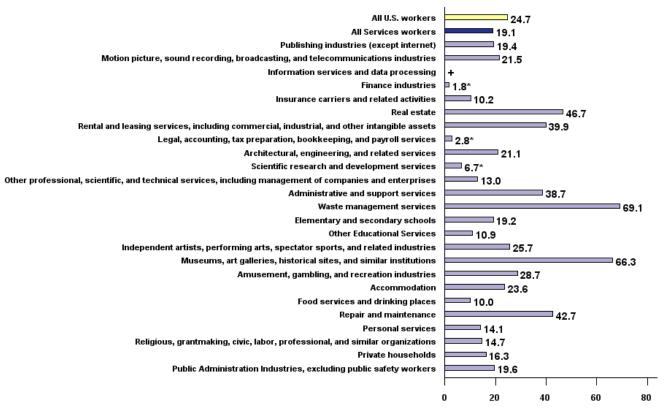
	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	20.6	0.4	19.8-21.3
Services	17.4	0.5	16.4-18.4
Publishing industries (except internet)	+	+	+
Motion picture, sound recording, broadcasting,			
and telecommunications industries	9.1	2.4	4.4-13.7
Information services and data processing	12.8*	5.8	1.3-24.3
Finance industries	+	+	+
Insurance carriers and related activities	1.8*	0.9	0.1-3.5
Real estate	18.0	3.0	12.0-24.0
Rental and leasing services, including commercial, industrial, and other intangible			
assets	24.4	6.9	10.7-38.1
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	+	+	+
Architectural, engineering, and related services	10.3	2.7	5.0-15.5
Scientific research and development services	25.5	5.7	14.4-36.7
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	3.0	0.8	1.4-4.6
Administrative and support services	28.8	2.0	25.0-32.7
Waste management services	28.1	7.0	14.2-42.0
Elementary and secondary schools	11.7	1.1	9.5-14.0
Other Educational Services	13.4	1.9	9.8-17.1
Independent artists, performing arts, spectator			
sports, and related industries	9.5	2.3	5.0-13.9
Museums, art galleries, historical sites, and similar institutions	22.1	5.8	10.7-33.6
Amusement, gambling, and recreation			
industries	19.2	3.7	12.0-26.4
Accommodation	30.9	4.2	22.6-39.2
Food services and drinking places	30.6	1.7	27.2-34.0
Repair and maintenance	52.4	3.6	45.4-59.5
Personal services	51.5	3.4	44.8-58.1
Religious, grantmaking, civic, labor,			
professional, and similar organizations	8.5	1.9	4.7-12.3
Private households	39.2	5.3	28.9-49.6
Public Administration Industries, excluding public safety workers	9.9	1.2	7.5-12.4
public salety workers	9.9	1.2	1.5-12.4

# Table 12. Prevalence of exposure to potential skin hazards at work among U.S. adults who worked in the past 12 months by Services subsector, 2010

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 13. Prevalence of exposure to outdoor work among U.S. adults who worked in the past 12 months by Services subsector, 2010





Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

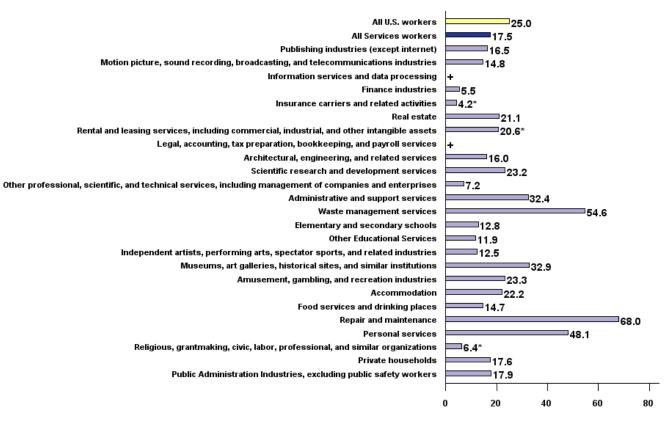
Table 13. Prevalence of exposure to outdoor work among U.S. adults who worked in the past 12 months by
Services subsector, 2010

	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	24.7	0.4	23.8-25.6
Services	19.1	0.6	18.1-20.2
Publishing industries (except internet)	19.4	5.8	8.0-30.8
Motion picture, sound recording, broadcasting,			
and telecommunications industries	21.5	2.8	16.0-27.0
Information services and data processing	+	+	+
Finance industries	1.8*	0.6	0.6-3.0
Insurance carriers and related activities	10.2	2.4	5.4-14.9
Real estate	46.7	3.7	39.5-54.0
Rental and leasing services, including			
commercial, industrial, and other intangible			
assets	39.9	7.6	24.9-55.0
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	2.8*	1.2	0.4-5.2
Architectural, engineering, and related services	21.1	3.7	13.8-28.4
Scientific research and development services	6.7*	2.6	1.7-11.7
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	13.0	1.9	9.3-16.8
Administrative and support services	38.7	2.2	34.3-43.0
Waste management services	69.1	6.5	56.2-81.9
Elementary and secondary schools	19.2	1.4	16.5-21.9
Other Educational Services	10.9	1.6	7.8-14.0
Independent artists, performing arts, spectator			
sports, and related industries	25.7	4.6	16.7-34.8
Museums, art galleries, historical sites, and			
similar institutions	66.3	7.3	51.8-80.7
Amusement, gambling, and recreation			
industries	28.7	4.1	20.5-36.8
Accommodation	23.6	4.3	15.2-32.0
Food services and drinking places	10.0	1.1	7.8-12.1
Repair and maintenance	42.7	3.9	35.0-50.5
Personal services	14.1	2.4	9.3-18.9
Religious, grantmaking, civic, labor,			
professional, and similar organizations	14.7	2.5	9.7-19.7
Private households	16.3	3.7	9.1-23.5
Public Administration Industries, excluding			
public safety workers	19.6	1.7	16.2-23.0

 $^{\ast}$  These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

### Figure 14. Prevalence of exposure to vapors, gas, dust, or fumes among U.S. adults who worked in the past 12 months by Services subsector, 2010

NHIS Question: This next question refers to the job you held the longest. Were you regularly exposed to vapors, gas, dust, or fumes at work twice a week or more?



Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution

as they do not meet NCHS reliability/precision standards.

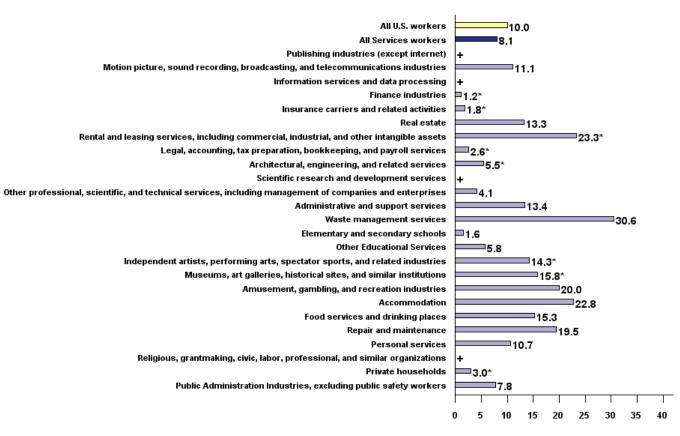
	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	25.0	0.4	24.2-25.8
Services	17.5	0.5	16.4-18.5
Publishing industries (except internet)	16.5	4.6	7.4-25.7
Motion picture, sound recording, broadcasting,			
and telecommunications industries	14.8	2.6	9.7-20.0
Information services and data processing	+	+	+
Finance industries	5.5	1.3	3.1-8.0
Insurance carriers and related activities	4.2*	1.4	1.4-7.0
Real estate	21.1	3.3	14.7-27.5
Rental and leasing services, including			
commercial, industrial, and other intangible			
assets	20.6*	6.6	7.7-33.6
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	+	+	+
Architectural, engineering, and related services	16.0	3.0	10.1-21.9
Scientific research and development services	23.2	5.9	11.6-34.8
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	7.2	1.5	4.2-10.1
Administrative and support services	32.4	2.5	27.5-37.3
Waste management services	54.6	8.1	38.7-70.5
Elementary and secondary schools	12.8	1.4	10.2-15.5
Other Educational Services	11.9	1.7	8.5-15.3
Independent artists, performing arts, spectator			
sports, and related industries	12.5	3.6	5.6-19.5
Museums, art galleries, historical sites, and			
similar institutions	32.9	8.2	16.6-49.1
Amusement, gambling, and recreation			
industries	23.3	3.4	16.5-30.0
Accommodation	22.2	4.0	14.4-29.9
Food services and drinking places	14.7	1.3	12.2-17.2
Repair and maintenance	68.0	3.7	60.8-75.3
Personal services	48.1	3.4	41.5-54.8
Religious, grantmaking, civic, labor,			
professional, and similar organizations	6.4*	2.3	1.9-10.9
Private households	17.6	5.1	7.7-27.6
Public Administration Industries, excluding			
public safety workers	17.9	1.6	14.7-21.1

Table 14. Prevalence of exposure to vapors, gas, dust, or fumes among U.S. adults who worked in the past12 months by Services subsector, 2010

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 15a. Prevalence of exposure to secondhand smoke at work among non-smoking U.S. adults by Services subsector, 2010

NHIS Question: During the past 12 months, were you regularly exposed to tobacco smoke from other people at work twice a week or more?



Prevalence Rate (%)

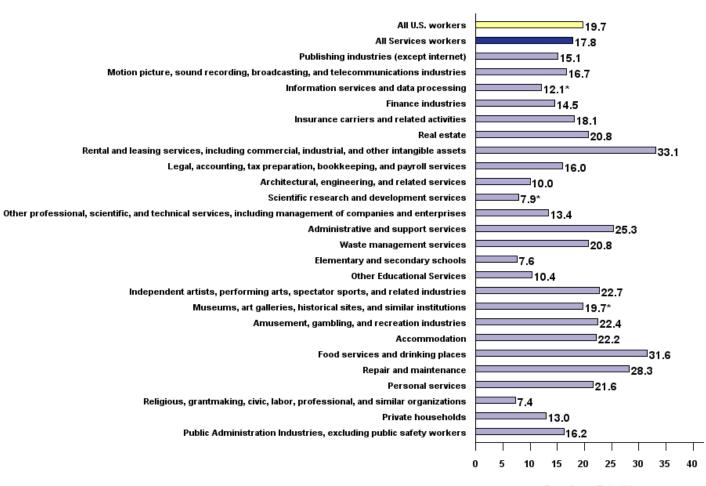
\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	10.0	0.3	9.3-10.6
Services	8.1	0.4	7.3-8.9
Publishing industries (except internet)	+	+	+
Motion picture, sound recording, broadcasting,			
and telecommunications industries	11.1	2.3	6.5-15.6
Information services and data processing	+	+	+
Finance industries	1.2*	0.5	0.2-2.2
Insurance carriers and related activities	1.8*	0.7	0.4-3.2
Real estate	13.3	3.5	6.4-20.3
Rental and leasing services, including commercial, industrial, and other intangible			
assets	23.3*	9.4	4.9-41.7
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	2.6*	1.0	0.7-4.6
Architectural, engineering, and related services	5.5*	2.2	1.1-9.8
Scientific research and development services	+	+	+
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	4.1	1.0	2.1-6.1
Administrative and support services	13.4	1.9	9.6-17.1
Waste management services	30.6	8.6	13.7-47.6
Elementary and secondary schools	1.6	0.4	0.9-2.4
Other Educational Services	5.8	1.1	3.6-8.0
Independent artists, performing arts, spectator			
sports, and related industries	14.3*	4.3	5.8-22.8
Museums, art galleries, historical sites, and similar institutions	15.8*	7.1	1.8-29.8
Amusement, gambling, and recreation			
industries	20.0	4.0	12.2-27.8
Accommodation	22.8	4.5	13.8-31.7
Food services and drinking places	15.3	1.5	12.3-18.3
Repair and maintenance	19.5	4.0	11.7-27.4
Personal services	10.7	2.7	5.5-15.9
Religious, grantmaking, civic, labor,			
professional, and similar organizations	+	+	+
Private households	3.0*	1.4	0.3-5.8
Public Administration Industries, excluding public safety workers	7.8	1.2	5.5-10.1
	1.0	1.2	0.0 1011

## Table 15a. Prevalence of exposure to secondhand smoke at work among non-smoking U.S. adults by Services subsector, 2010

 $^{\ast}$  These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

#### Figure 15b. Prevalence of smoking among U.S. adults who worked in the past 12 months by Services subsector, 2010



NHIS Question: Do you now smoke cigarettes every day, some days or not at all?

Prevalence Rate (%)

\* These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.

Table 15b. Prevalence of smoking among U.S. adults who worked in the past 12 months by Services
subsector, 2010

	Prevalence (%)	Standard Error	95% Confidence
		of Prevalence	Interval
All U.S. workers	19.7	0.4	18.9-20.4
Services	17.8	0.5	16.9-18.7
Publishing industries (except internet)	15.1	4.0	7.2-23.0
Motion picture, sound recording, broadcasting,			
and telecommunications industries	16.7	2.4	11.9-21.4
Information services and data processing	12.1*	4.5	3.3-20.8
Finance industries	14.5	2.0	10.6-18.3
Insurance carriers and related activities	18.1	2.7	12.7-23.5
Real estate	20.8	2.9	15.1-26.6
Rental and leasing services, including			
commercial, industrial, and other intangible			
assets	33.1	7.3	18.7-47.5
Legal, accounting, tax preparation,			
bookkeeping, and payroll services	16.0	2.3	11.4-20.6
Architectural, engineering, and related services	10.0	2.5	5.0-15.0
Scientific research and development services	7.9*	3.2	1.6-14.2
Other professional, scientific, and technical			
services, including management of companies			
and enterprises	13.4	1.5	10.3-16.4
Administrative and support services	25.3	1.9	21.5-29.1
Waste management services	20.8	5.7	9.6-32.1
Elementary and secondary schools	7.6	0.8	6.0-9.3
Other Educational Services	10.4	1.5	7.5-13.3
Independent artists, performing arts, spectator			
sports, and related industries	22.7	4.5	13.9-31.6
Museums, art galleries, historical sites, and			
similar institutions	19.7*	6.5	7.0-32.5
Amusement, gambling, and recreation			
industries	22.4	3.9	14.8-30.0
Accommodation	22.2	3.7	15.1-29.4
Food services and drinking places	31.6	1.9	27.9-35.3
Repair and maintenance	28.3	3.7	20.9-35.6
Personal services	21.6	2.9	15.9-27.3
Religious, grantmaking, civic, labor,			
professional, and similar organizations	7.4	1.6	4.3-10.4
Private households	13.0	3.4	6.3-19.7
Public Administration Industries, excluding			
public safety workers	16.2	1.4	13.5-18.9

 $^{\ast}$  These estimates have a relative standard error >30% and <50% and should be used with caution as they do not meet NCHS reliability/precision standards.