

Selected Findings for the Construction 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: (<http://www.cdc.gov/nchs/nhis.htm>)

Purpose

This profile summarizes the 2010 NHIS-OHS data for the Construction 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 Construction sector consisted of 1,115 persons, representing approximately 10.6 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 Construction sector. All Construction workers are compared to all U.S. workers combined, and comparisons are made among 21 Construction occupational categories, although small sample sizes within several of the categories limit the reporting of some estimates.

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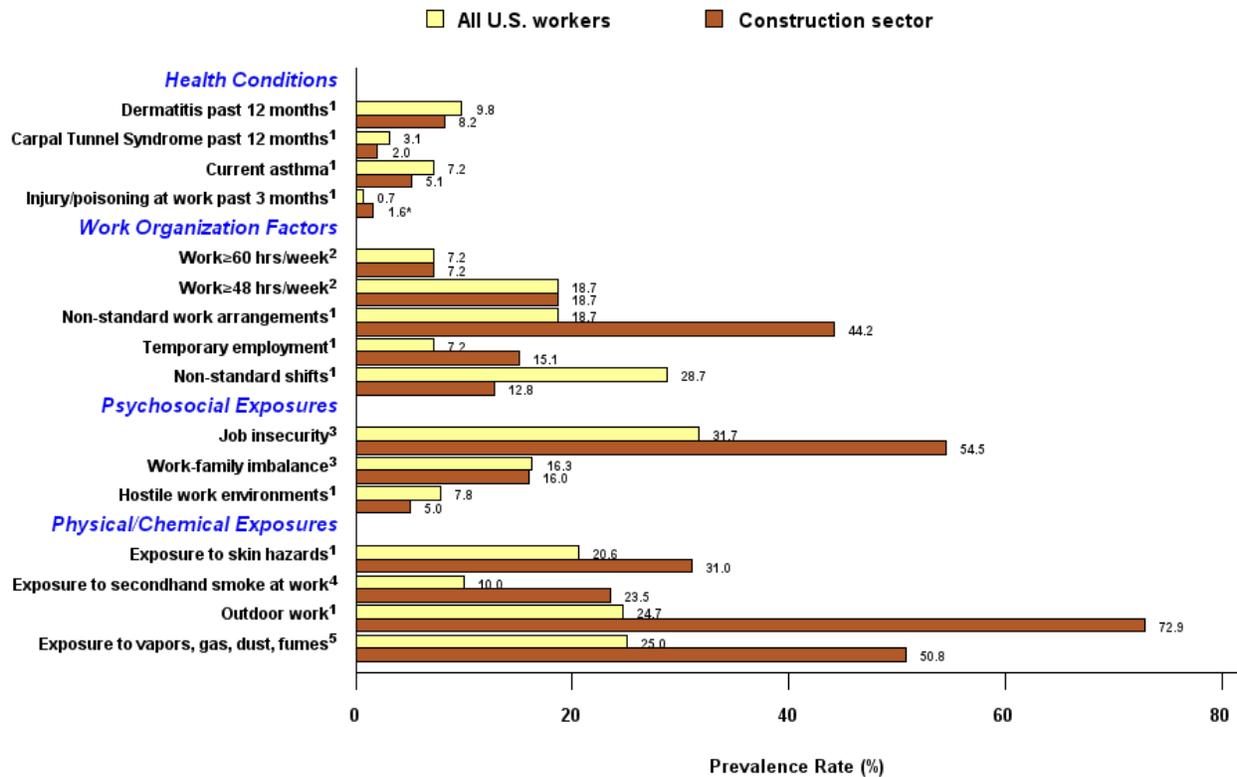
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Table A. U.S. Construction sector workers by occupational category, 2010

Occupational category	Census 2010 occupation codes	Estimated Population Represented by Sample	% of U.S. Construction workforce
Supervisors, construction and extraction workers	6200	591,644	5.6
Brickmasons, blockmasons, and stonemasons	6220	295,378	2.8
Carpenters	6230	1,738,504	16.4
Carpet, floor, and tile installers and finishers	6240	135,777	1.3
Cement masons, concrete finishers, and terrazzo workers	6250	64,607	0.6
Construction laborers	6260	1,210,495	11.4
Operating engineers and other construction equipment operators	6320	268,093	2.5
Drywall installers, ceiling tile installers, and tapers	6330	173,489	1.6
Painters, construction and maintenance	6420	527,644	5.0
Pipelayers, plumbers, pipefitters, and steamfitters	6440	519,366	4.9
Roofers	6515	214,003	2.0
Other construction trades workers	6210, 6300, 6310, 6355, 6360, 6400, 6430, 6460, 6500, 6520, 6530, 6540	976,311	9.2
Other construction and related workers	6600, 6660, 6700, 6710, 6720, 6730, 6740, 6750, 6765	383,943	3.6
Management Occupations	0010-0430	1,085,159	10.2
Business and Financial Operations Occupations	0500-0950	220,753	2.1
Architecture and Engineering Occupations	1300-1560	181,133	1.7
Office and Administrative Support Occupations	5000-5940	660,251	6.2
Installation, Maintenance, and Repair Occupations	7000-7630	592,119	5.6
Production Occupations	7700-8965	217,428	2.1
Transportation and Material Moving Occupations	9000-9750	245,216	2.3
Other Occupations within the Construction Sector	All other Census occupation codes	306,630	2.9
Total		10,607,943	100

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



¹Among U.S. adults who have worked in the past 12 months.

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

³Among U.S. adults who were employed in the week prior to interview.

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

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

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

		All U.S. workers			Construction sector		
		Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
Health Conditions	Dermatitis in the past 12 months¹	9.8	0.3	9.2-10.3	8.2	1.0	6.3-10.0
	Carpal tunnel syndrome in the past 12 months¹	3.1	0.2	2.8-3.4	2.0	0.5	1.0-3.0
	Current asthma¹	7.2	0.2	6.7-7.6	5.1	0.8	3.4-6.8
	Injury or poisoning at work in the past 12 months¹	2.8	0.4	2.0-3.4	6.4*	2.2	2.0-10.8
Work Organization Factors	Work 60 hours a week or more²	7.2	0.3	6.7-7.7	7.2	1.0	5.3-9.1
	Work 48 hours a week or more²	18.7	0.4	18.0-19.5	18.7	1.5	15.8-21.6
	Non-standard work arrangements¹	18.7	0.4	18.0-19.4	44.2	1.9	40.6-47.8
	Temporary employment¹	7.2	0.3	6.7-7.7	15.1	1.3	12.6-17.7
	Non-standard shifts¹	28.7	0.5	27.8-29.7	12.8	1.3	10.4-15.3
Psychosocial Exposures	Job insecurity³	31.7	0.5	30.8-32.6	54.5	1.9	50.7-58.3
	Work-family imbalance³	16.3	0.4	15.6-17.1	16.0	1.4	13.4-18.7
	Hostile work environments¹	7.8	0.3	7.3-8.4	5.0	0.8	3.6-6.5
Physical/Chemical Exposures	Exposure to potential skin hazards at work¹	20.6	0.4	19.8-21.3	31.0	1.7	27.7-34.3
	Exposure to secondhand smoke at work⁴	10.0	0.3	9.3-10.6	23.5	1.8	19.9-27.1
	Exposure to outdoor work¹	24.7	0.4	23.8-25.6	72.9	1.7	69.6-76.2
	Exposure to vapors, gas, dust, or fumes⁵	25.0	0.4	24.2-25.8	50.8	1.8	47.3-54.4

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³ Among U.S. adults who were employed in the week prior to interview.

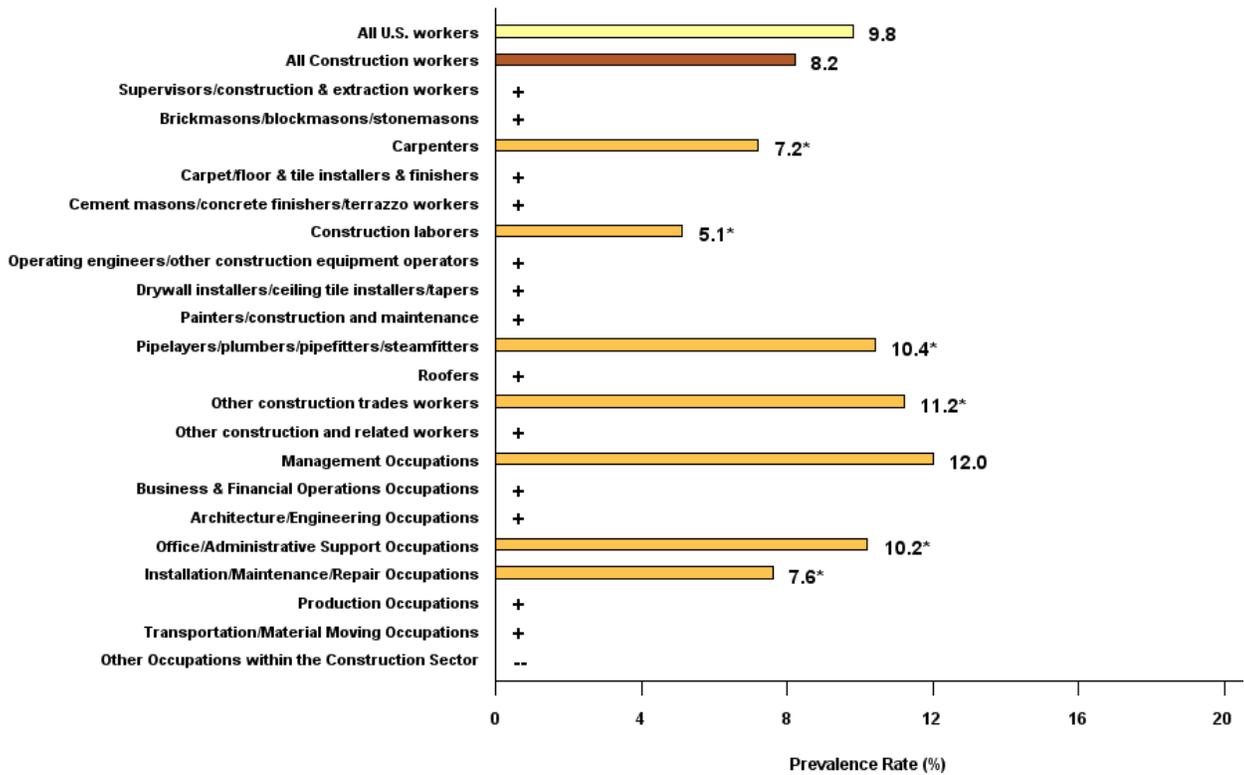
⁴ Among non-smoking U.S. adults who have worked in the past 12 months.

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

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Figure 2. Prevalence of dermatitis in the past 12 months among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

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



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

-- No cases detected, likely due to insufficient sample size.

Table 2. Prevalence of dermatitis in the past 12 months among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	9.8	0.3	9.2-10.3
All Construction workers	8.2	1.0	6.3-10.0
Supervisors/construction & extraction workers	+	+	+
Brickmasons/blockmasons/stonemasons	+	+	+
Carpenters	7.2*	2.3	2.6-11.8
Carpet/floor & tile installers & finishers	+	+	+
Cement masons/concrete finishers/terrazzo workers	+	+	+
Construction laborers	5.1*	2.2	0.9-9.4
Operating engineers/other construction equipment operators	+	+	+
Drywall installers/ceiling tile installers/tapers	+	+	+
Painters/construction and maintenance	+	+	+
Pipelayers/plumbers/pipefitters/steamfitters	10.4*	4.7	1.0-19.7
Roofers	+	+	+
Other construction trades workers	11.2*	3.8	3.7-18.6
Other construction and related workers	+	+	+
Management Occupations	12.0	3.6	4.9-19.0
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	+	+	+
Office/Administrative Support Occupations	10.2*	3.7	3.0-17.5
Installation/Maintenance/Repair Occupations	7.6*	3.3	1.1-14.0
Production Occupations	+	+	+
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	--	--	--

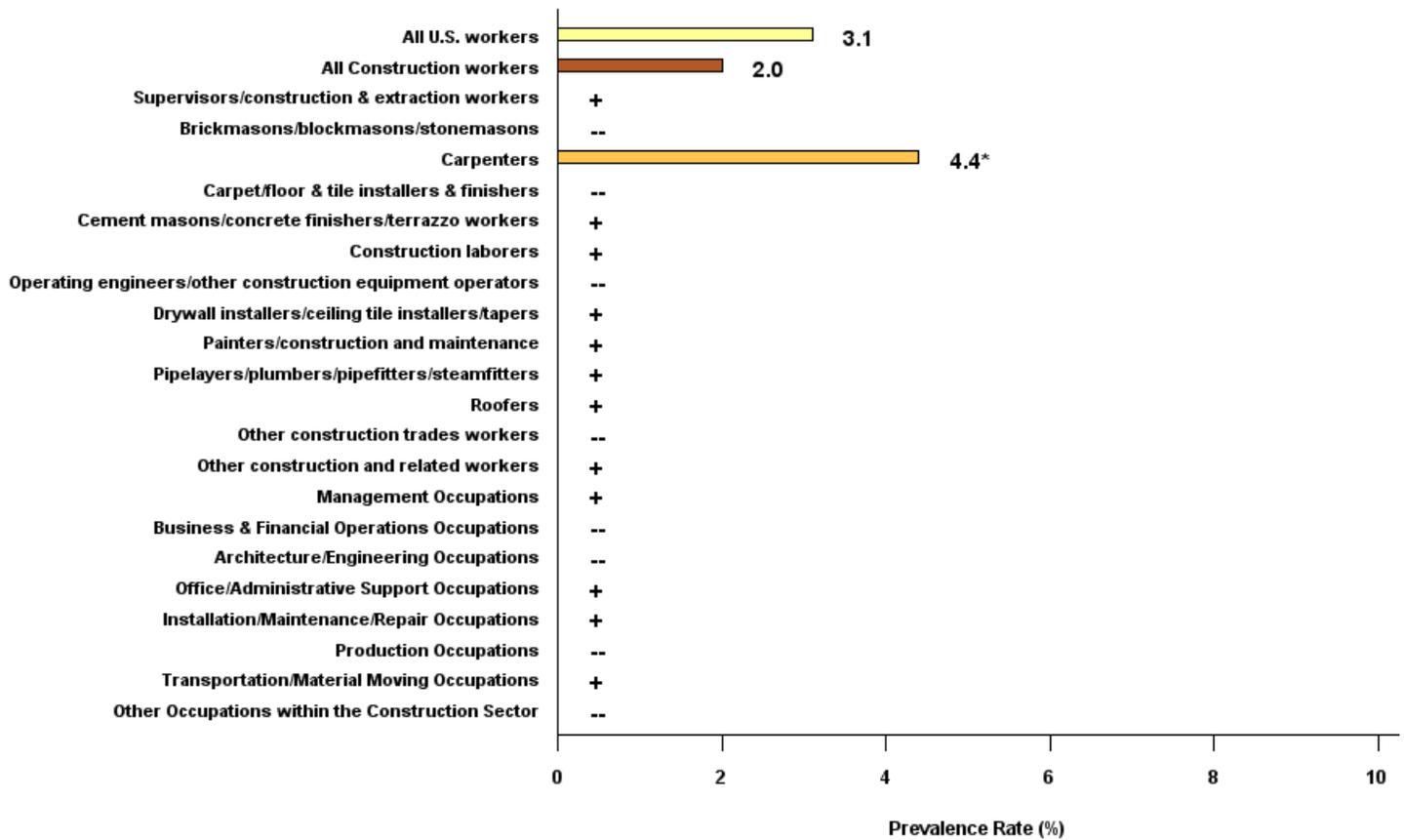
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-- No cases detected, likely due to insufficient sample size.

Figure 3. Prevalence of carpal tunnel syndrome in the past 12 months among U.S. adults who worked in the past 12 months by Construction occupational category, 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?



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

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	3.1	0.2	2.8-3.4
All Construction workers	2.0	0.5	1.0-3.0
Supervisors/construction & extraction workers	+	+	+
Brickmasons/blockmasons/stonemasons	--	--	--
Carpenters	4.4*	1.8	0.8-7.9
Carpet/floor & tile installers & finishers	--	--	--
Cement masons/concrete finishers/terrazzo workers	+	+	+
Construction laborers	+	+	+
Operating engineers/other construction equipment operators	--	--	--
Drywall installers/ceiling tile installers/tapers	+	+	+
Painters/construction and maintenance	+	+	+
Pipelayers/plumbers/pipefitters/steamfitters	+	+	+
Roofers	+	+	+
Other construction trades workers	--	--	--
Other construction and related workers	+	+	+
Management Occupations	+	+	+
Business & Financial Operations Occupations	--	--	--
Architecture/Engineering Occupations	--	--	--
Office/Administrative Support Occupations	+	+	+
Installation/Maintenance/Repair Occupations	+	+	+
Production Occupations	--	--	--
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	--	--	--

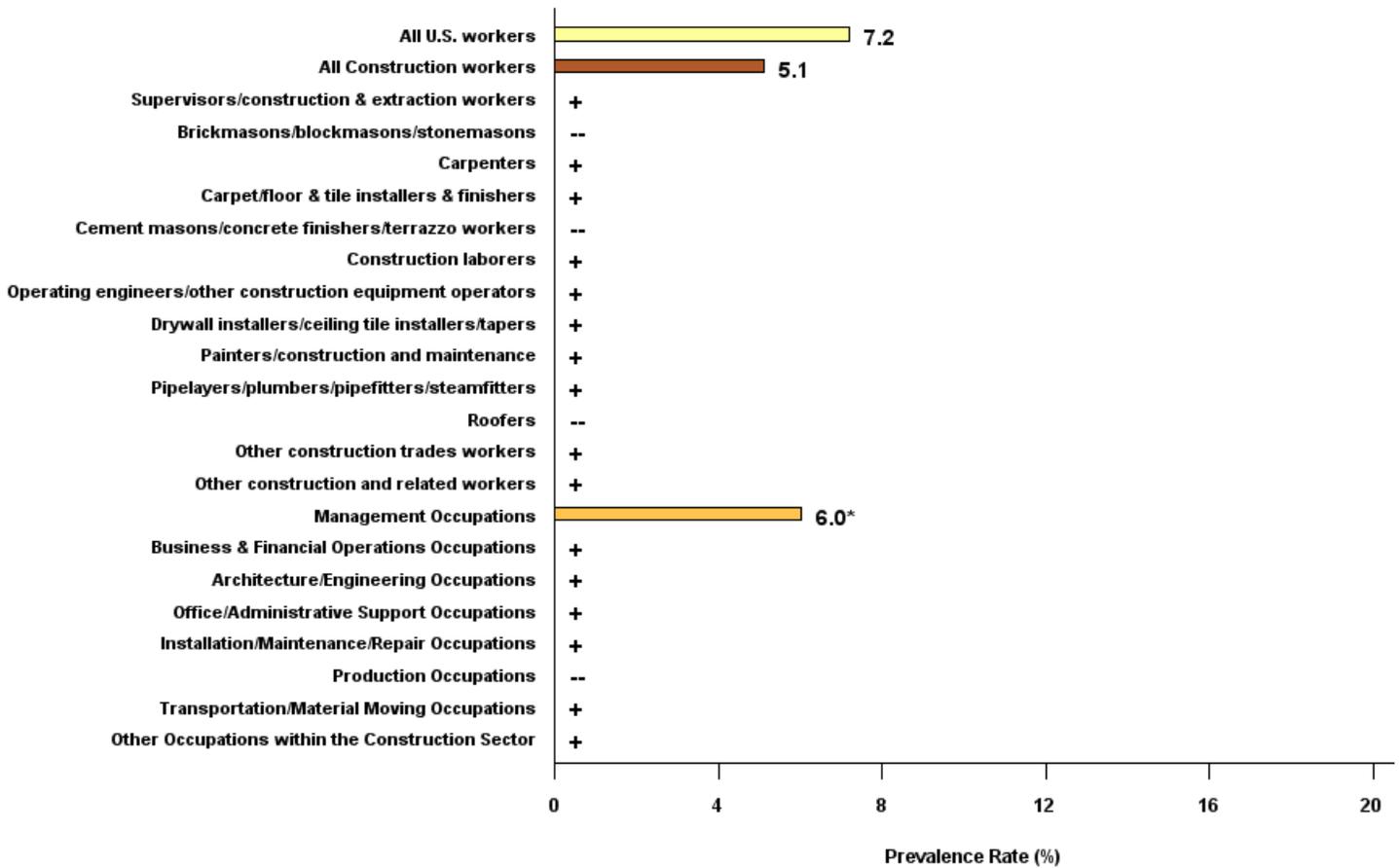
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Figure 4. Prevalence of current asthma among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

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



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-- No cases detected, likely due to insufficient sample size.

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

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	7.2	0.2	6.7-7.6
All Construction workers	5.1	0.8	3.4-6.8
Supervisors/construction & extraction workers	+	+	+
Brickmasons/blockmasons/stonemasons	--	--	--
Carpenters	+	+	+
Carpet/floor & tile installers & finishers	+	+	+
Cement masons/concrete finishers/terrazzo workers	--	--	--
Construction laborers	+	+	+
Operating engineers/other construction equipment operators	+	+	+
Drywall installers/ceiling tile installers/tapers	+	+	+
Painters/construction and maintenance	+	+	+
Pipelayers/plumbers/pipefitters/steamfitters	+	+	+
Roofers	--	--	--
Other construction trades workers	+	+	+
Other construction and related workers	+	+	+
Management Occupations	6.0*	2.4	1.3-10.6
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	+	+	+
Office/Administrative Support Occupations	+	+	+
Installation/Maintenance/Repair Occupations	+	+	+
Production Occupations	--	--	--
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	+	+	+

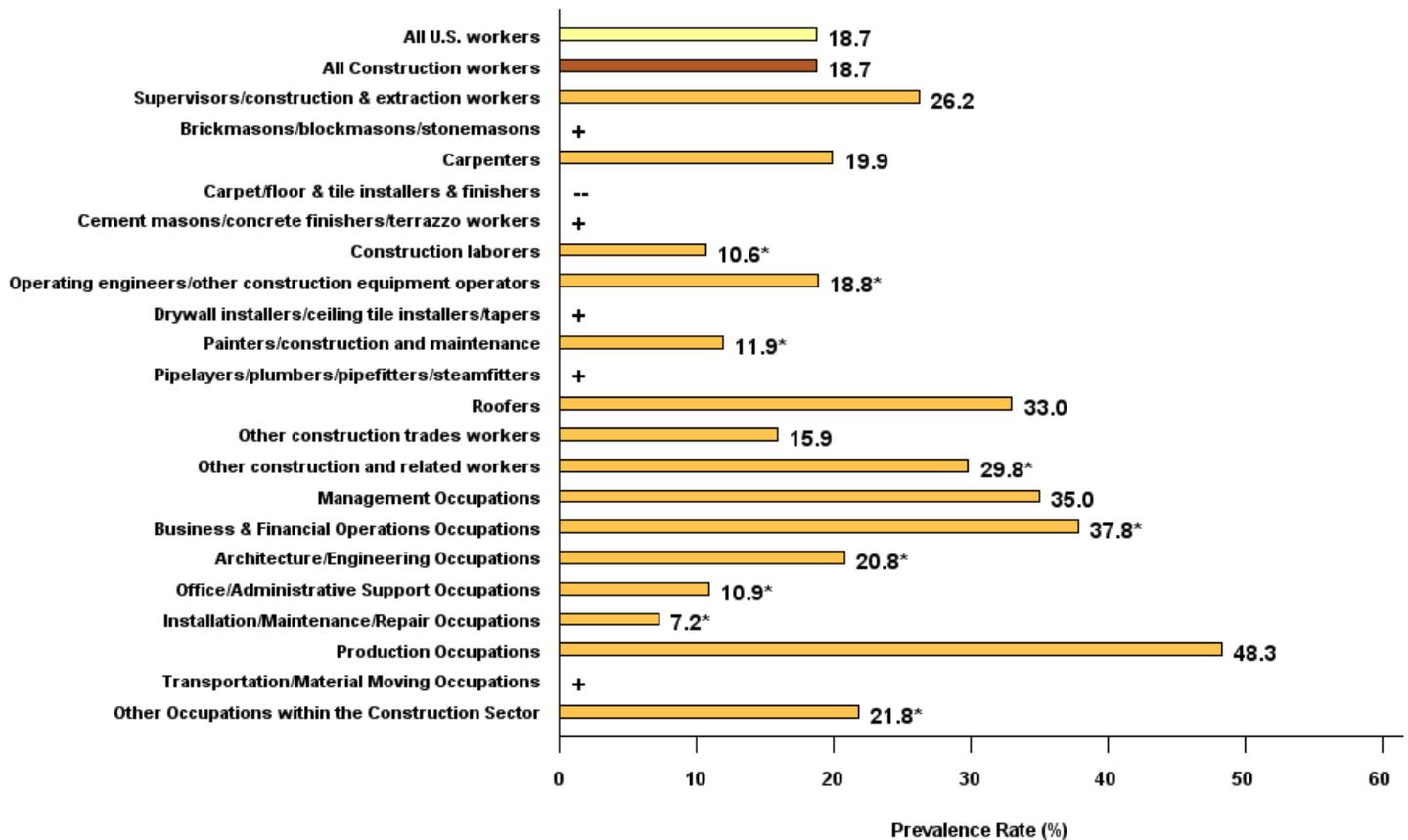
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Figure 5. Prevalence of working 48 hours a week or more among U.S. adults working one job at the time of interview by Construction occupational category, 2010

*NHIS Question: How many hours did [person] work last week?
 (This question may have been answered by proxy because it was part of the
 Family Questionnaire. If the person was not at work last week, the person/proxy
 was asked about average work hours per week.)*



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

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	18.7	0.4	18.0-19.5
All Construction workers	18.7	1.5	15.8-21.6
Supervisors/construction & extraction workers	26.2	7.8	10.8-41.6
Brickmasons/blockmasons/stonemasons	+	+	+
Carpenters	19.9	4.2	11.7-28.1
Carpet/floor & tile installers & finishers	--	--	--
Cement masons/concrete finishers/terrazzo workers	+	+	+
Construction laborers	10.6*	4.0	2.8-18.4
Operating engineers/other construction equipment operators	18.8*	8.6	1.9-35.8
Drywall installers/ceiling tile installers/tapers	+	+	+
Painters/construction and maintenance	11.9*	4.8	2.4-21.4
Pipelayers/plumbers/pipefitters/steamfitters	+	+	+
Roofers	33.0	9.5	14.3-51.8
Other construction trades workers	15.9	4.6	6.8-25.0
Other construction and related workers	29.8*	13.3	3.7-55.9
Management Occupations	35.0	5.7	23.8-46.2
Business & Financial Operations Occupations	37.8*	11.7	14.7-60.9
Architecture/Engineering Occupations	20.8*	8.9	3.3-38.2
Office/Administrative Support Occupations	10.9*	4.1	2.8-19.0
Installation/Maintenance/Repair Occupations	7.2*	3.0	1.3-13.0
Production Occupations	48.3	14.2	20.2-76.3
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	21.8*	9.7	2.7-41.0

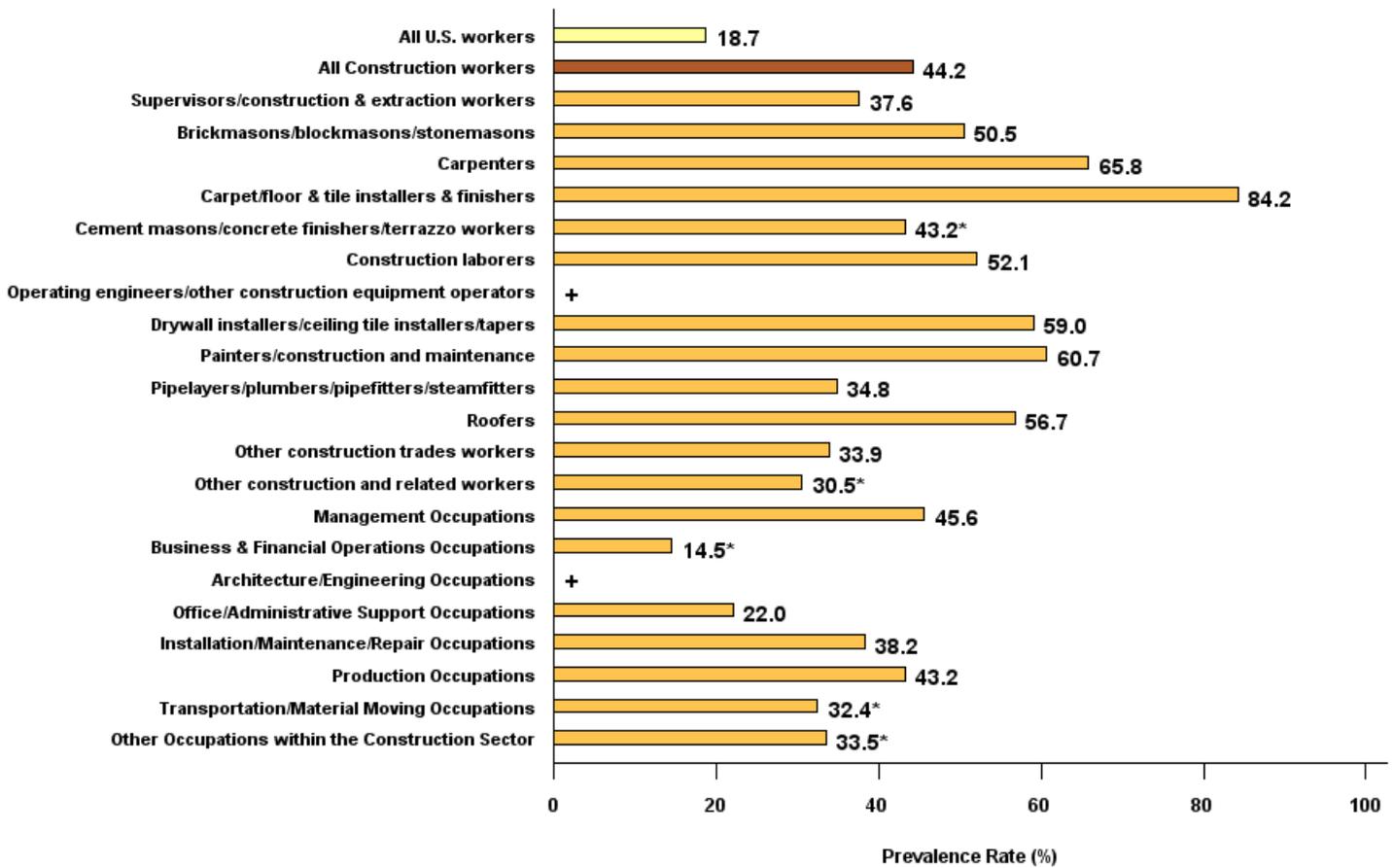
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Figure 6. Prevalence of non-standard work arrangements among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

*NHIS Question: Which of the following best [describes/described] your work arrangement?
 (Non-standard work arrangement = independent contractor, independent consultant, or freelance worker;
 on-call, and [work/worked] only when called to work; paid by a temporary agency;
 or [work/worked] for a contractor who provides workers and services to others under contract)*



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

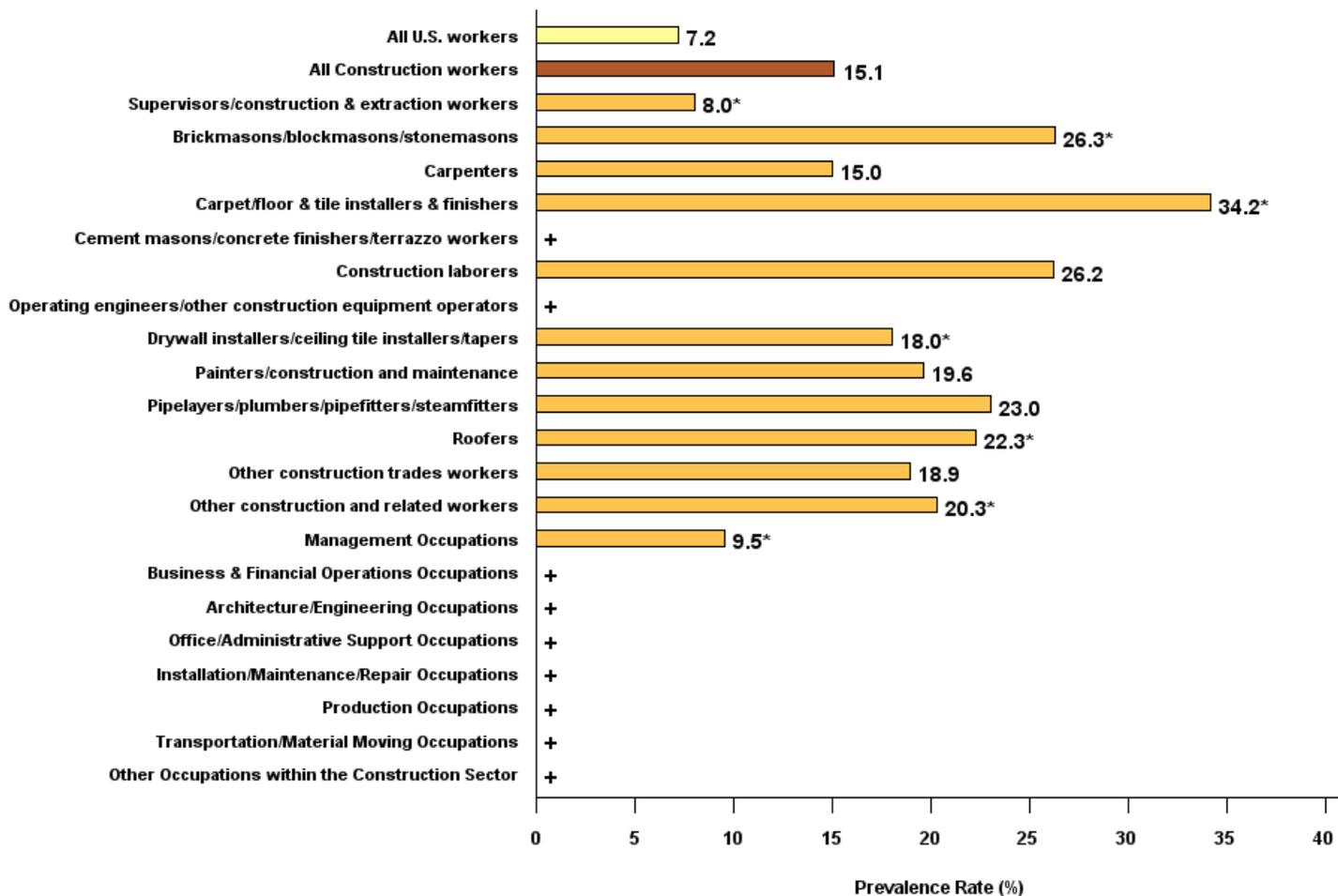
	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	18.7	0.4	18.0-19.4
All Construction workers	44.2	1.9	40.6-47.8
Supervisors/construction & extraction workers	37.6	7.6	22.6-52.5
Brickmasons/blockmasons/stonemasons	50.5	11.1	28.7-72.2
Carpenters	65.8	4.2	57.5-74.1
Carpet/floor & tile installers & finishers	84.2	8.2	68.1-100.4
Cement masons/concrete finishers/terrazzo workers	43.2*	17.7	8.3-78.1
Construction laborers	52.1	4.8	42.8-61.4
Operating engineers/other construction equipment operators	+	+	+
Drywall installers/ceiling tile installers/tapers	59.0	11.7	36.0-82.0
Painters/construction and maintenance	60.7	7.1	46.7-74.7
Pipelayers/plumbers/pipefitters/steamfitters	34.8	7.9	19.2-50.3
Roofers	56.7	10.0	37.0-76.4
Other construction trades workers	33.9	5.3	23.5-44.3
Other construction and related workers	30.5*	9.3	12.2-48.8
Management Occupations	45.6	5.1	35.4-55.7
Business & Financial Operations Occupations	14.5*	6.9	0.9-28.1
Architecture/Engineering Occupations	+	+	+
Office/Administrative Support Occupations	22.0	5.3	11.7-32.4
Installation/Maintenance/Repair Occupations	38.2	7.7	23.1-53.3
Production Occupations	43.2	11.9	19.8-66.6
Transportation/Material Moving Occupations	32.4*	10.9	10.9-53.9
Other Occupations within the Construction Sector	33.5*	10.3	13.2-53.9

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Figure 7. Prevalence of temporary employment among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

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



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Table 7. Prevalence of temporary employment among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

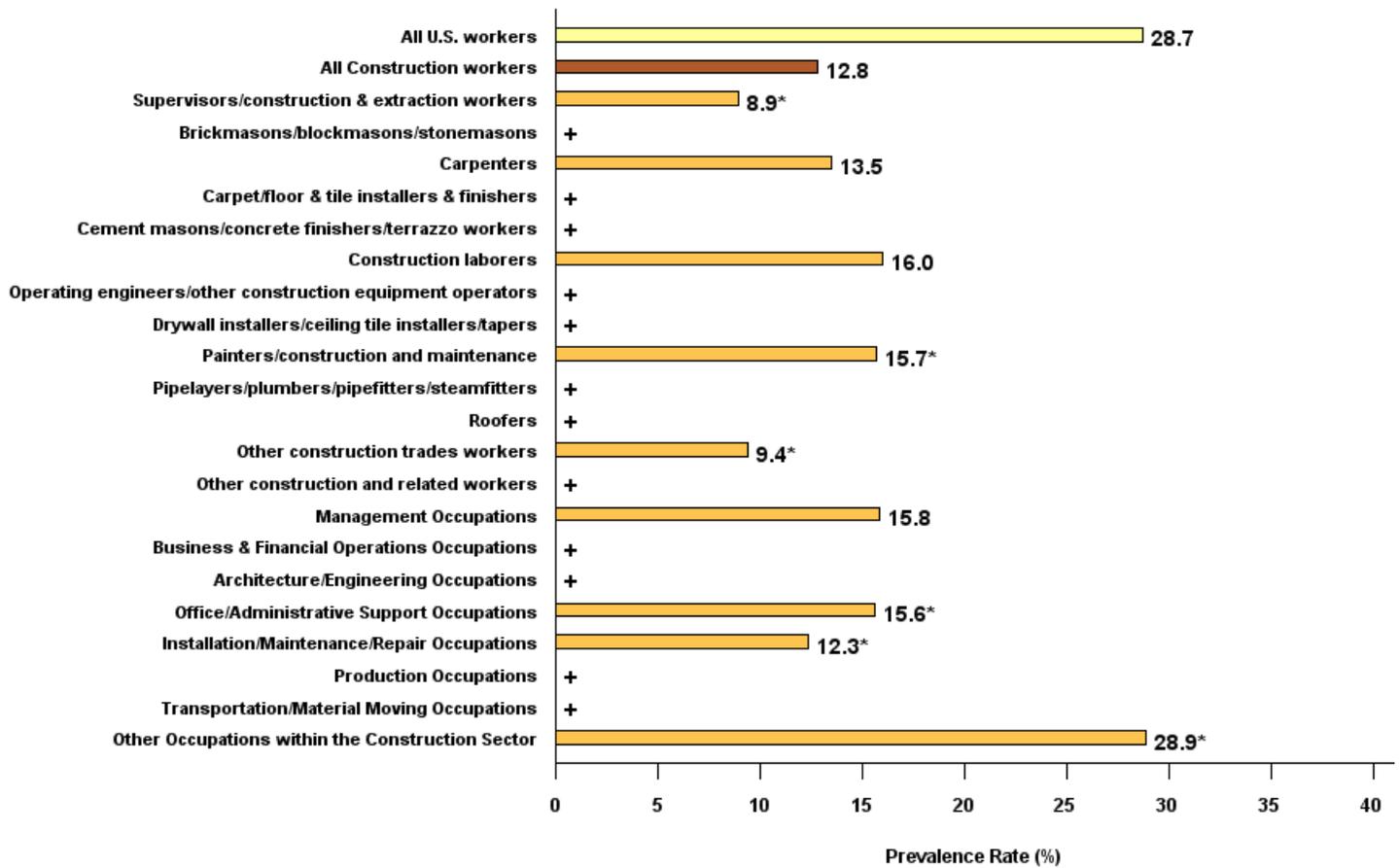
	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	7.2	0.3	6.7-7.7
All Construction workers	15.1	1.3	12.6-17.7
Supervisors/construction & extraction workers	8.0*	3.8	0.6-15.4
Brickmasons/blockmasons/stonemasons	26.3*	11.3	4.0-48.6
Carpenters	15.0	3.0	9.1-20.9
Carpet/floor & tile installers & finishers	34.2*	15.9	2.9-65.4
Cement masons/concrete finishers/terrazzo workers	+	+	+
Construction laborers	26.2	4.4	17.6-34.8
Operating engineers/other construction equipment operators	+	+	+
Drywall installers/ceiling tile installers/tapers	18.0*	7.1	4.0-32.0
Painters/construction and maintenance	19.6	4.8	10.1-29.0
Pipelayers/plumbers/pipefitters/steamfitters	23.0	6.7	9.8-36.1
Roofers	22.3*	9.3	3.9-40.6
Other construction trades workers	18.9	4.7	9.5-28.2
Other construction and related workers	20.3*	7.3	6.0-34.7
Management Occupations	9.5*	3.3	3.0-16.1
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	+	+	+
Office/Administrative Support Occupations	+	+	+
Installation/Maintenance/Repair Occupations	+	+	+
Production Occupations	+	+	+
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	+	+	+

* 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 8. Prevalence of non-standard shifts among U.S. adults who worked in the past 12 months by Construction occupational category, 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)*



* 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.

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

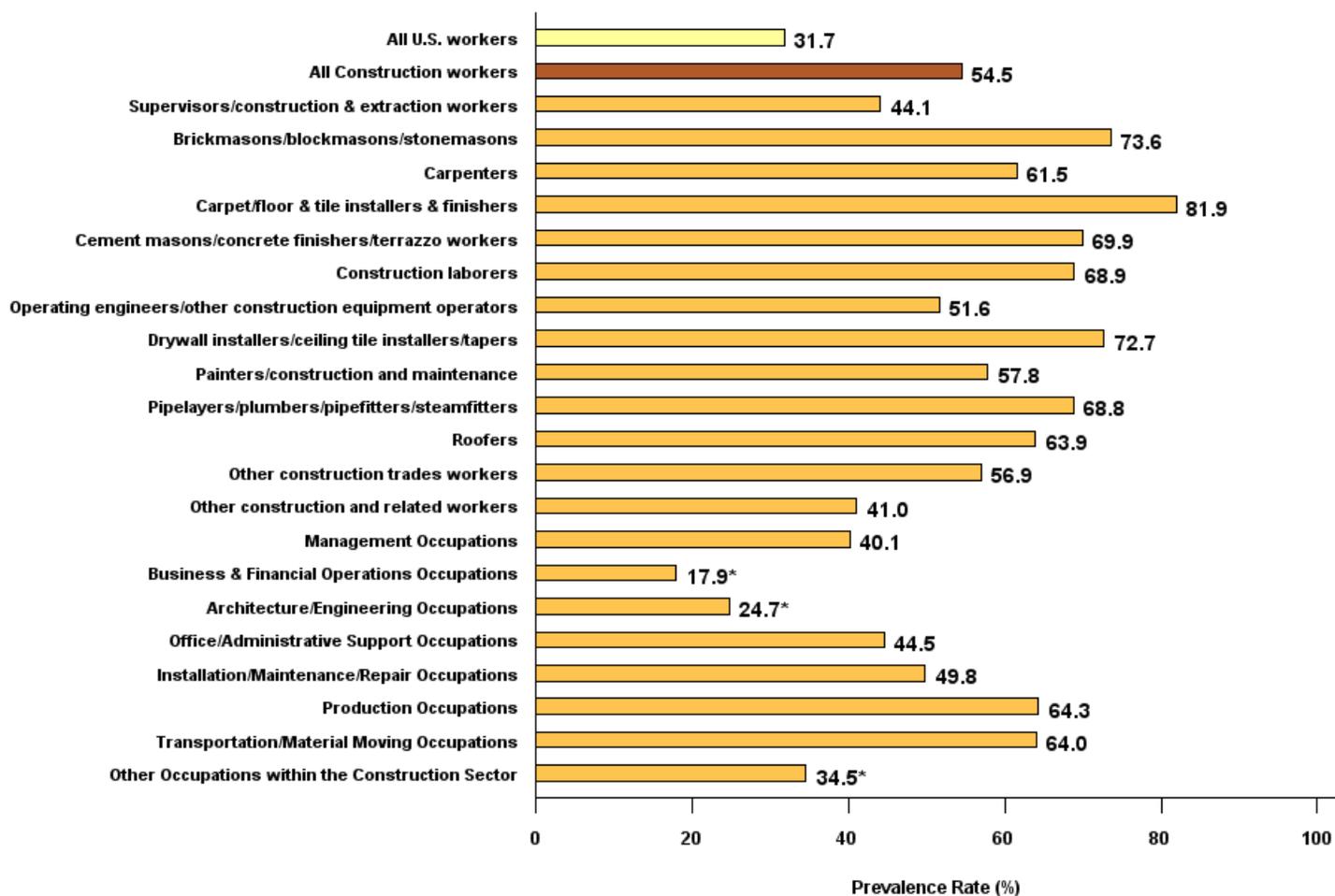
	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	28.7	0.5	27.8-29.7
All Construction workers	12.8	1.3	10.4-15.3
Supervisors/construction & extraction workers	8.9*	4.0	1.1-16.8
Brickmasons/blockmasons/stonemasons	+	+	+
Carpenters	13.5	2.7	8.3-18.7
Carpet/floor & tile installers & finishers	+	+	+
Cement masons/concrete finishers/terrazzo workers	+	+	+
Construction laborers	16.0	3.0	10.0-22.0
Operating engineers/other construction equipment operators	+	+	+
Drywall installers/ceiling tile installers/tapers	+	+	+
Painters/construction and maintenance	15.7*	5.4	5.1-26.3
Pipelayers/plumbers/pipefitters/steamfitters	+	+	+
Roofers	+	+	+
Other construction trades workers	9.4*	3.1	3.3-15.6
Other construction and related workers	+	+	+
Management Occupations	15.8	4.2	7.6-24.0
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	+	+	+
Office/Administrative Support Occupations	15.6*	5.1	5.6-25.7
Installation/Maintenance/Repair Occupations	12.3*	4.2	4.1-20.5
Production Occupations	+	+	+
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	28.9*	10.3	8.7-49.1

* 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 9. Prevalence of job insecurity among working U.S. adults by Construction occupational category, 2010

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



* 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.

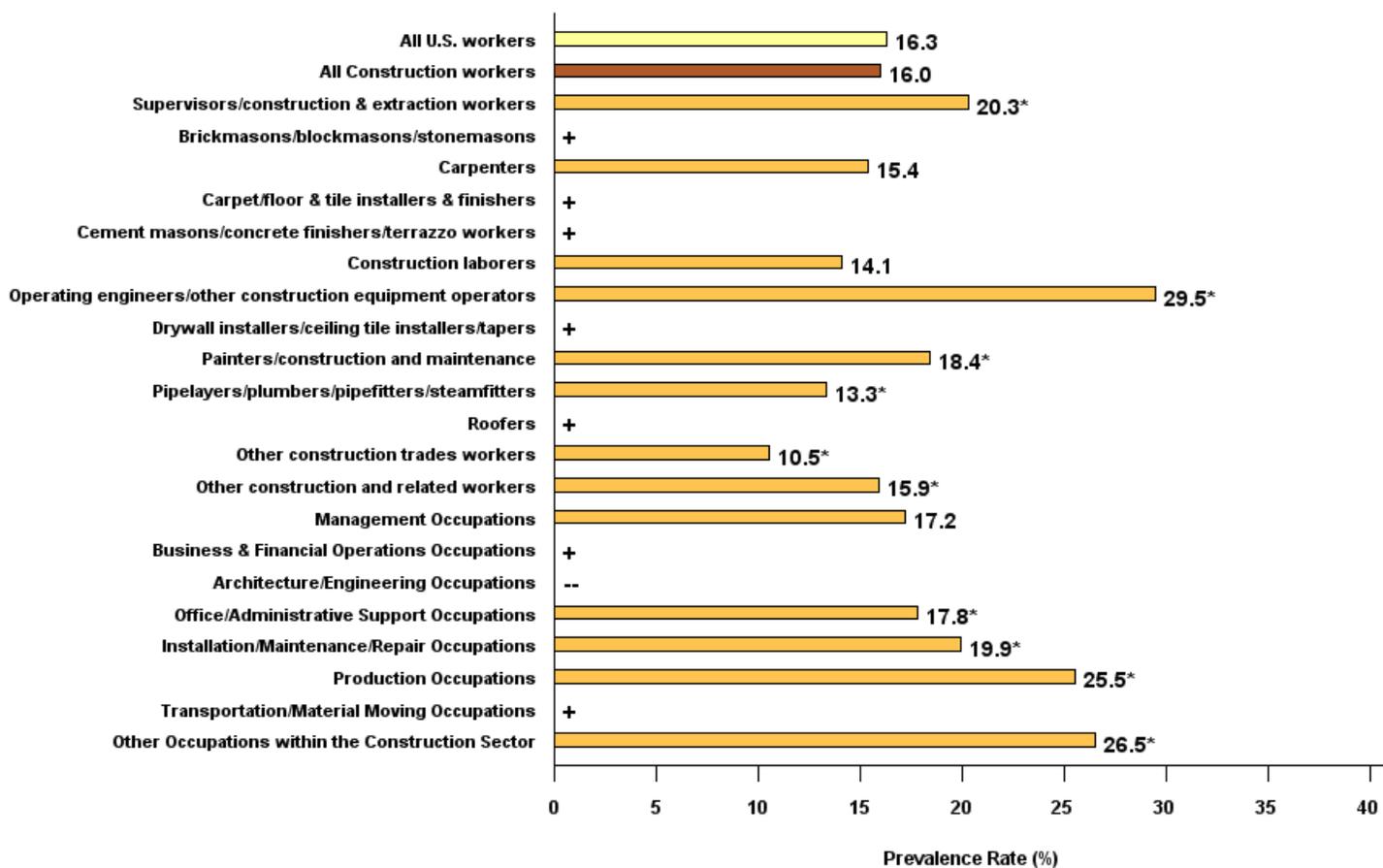
Table 9. Prevalence of job insecurity among working U.S. adults by Construction occupational category, 2010

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	31.7	0.5	30.8-32.6
All Construction workers	54.5	1.9	50.7-58.3
Supervisors/construction & extraction workers	44.1	8.1	28.2-60.0
Brickmasons/blockmasons/stonemasons	73.6	9.0	55.9-91.4
Carpenters	61.5	4.9	51.7-71.2
Carpet/floor & tile installers & finishers	81.9	11.2	59.8-104.0
Cement masons/concrete finishers/terrazzo workers	69.9	15.7	39.0-100.7
Construction laborers	68.9	5.4	58.3-79.4
Operating engineers/other construction equipment operators	51.6	11.2	29.6-73.7
Drywall installers/ceiling tile installers/tapers	72.7	14.2	44.7-100.7
Painters/construction and maintenance	57.8	7.5	43.1-72.4
Pipelayers/plumbers/pipefitters/steamfitters	68.8	8.0	53.0-84.6
Roofers	63.9	11.9	40.5-87.4
Other construction trades workers	56.9	7.0	43.1-70.7
Other construction and related workers	41.0	11.3	18.8-63.2
Management Occupations	40.1	5.3	29.7-50.4
Business & Financial Operations Occupations	17.9*	8.2	1.7-34.1
Architecture/Engineering Occupations	24.7*	11.6	1.8-47.6
Office/Administrative Support Occupations	44.5	6.7	31.4-57.7
Installation/Maintenance/Repair Occupations	49.8	8.6	33.0-66.7
Production Occupations	64.3	12.9	38.9-89.6
Transportation/Material Moving Occupations	64.0	9.8	44.7-83.3
Other Occupations within the Construction Sector	34.5*	10.6	13.6-55.4

* 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 Construction occupational category, 2010

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



* 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.

-- No cases detected, likely due to insufficient sample size.

Table 10. Prevalence of work-family imbalance among working U.S. adults by Construction occupational category, 2010

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	16.3	0.4	15.6-17.1
All Construction workers	16.0	1.4	13.4-18.7
Supervisors/construction & extraction workers	20.3*	6.8	7.0-33.7
Brickmasons/blockmasons/stonemasons	+	+	+
Carpenters	15.4	3.6	8.4-22.5
Carpet/floor & tile installers & finishers	+	+	+
Cement masons/concrete finishers/terrazzo workers	+	+	+
Construction laborers	14.1	3.8	6.7-21.5
Operating engineers/other construction equipment operators	29.5*	10.0	9.8-49.1
Drywall installers/ceiling tile installers/tapers	+	+	+
Painters/construction and maintenance	18.4*	6.3	5.9-30.9
Pipelayers/plumbers/pipefitters/steamfitters	13.3*	5.0	3.5-23.1
Roofers	+	+	+
Other construction trades workers	10.5*	3.7	3.2-17.8
Other construction and related workers	15.9*	7.1	2.0-29.8
Management Occupations	17.2	4.2	9.0-25.4
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	--	--	--
Office/Administrative Support Occupations	17.8*	6.0	6.1-29.5
Installation/Maintenance/Repair Occupations	19.9*	6.4	7.4-32.5
Production Occupations	25.5*	10.7	4.5-46.5
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	26.5*	12.4	2.0-50.9

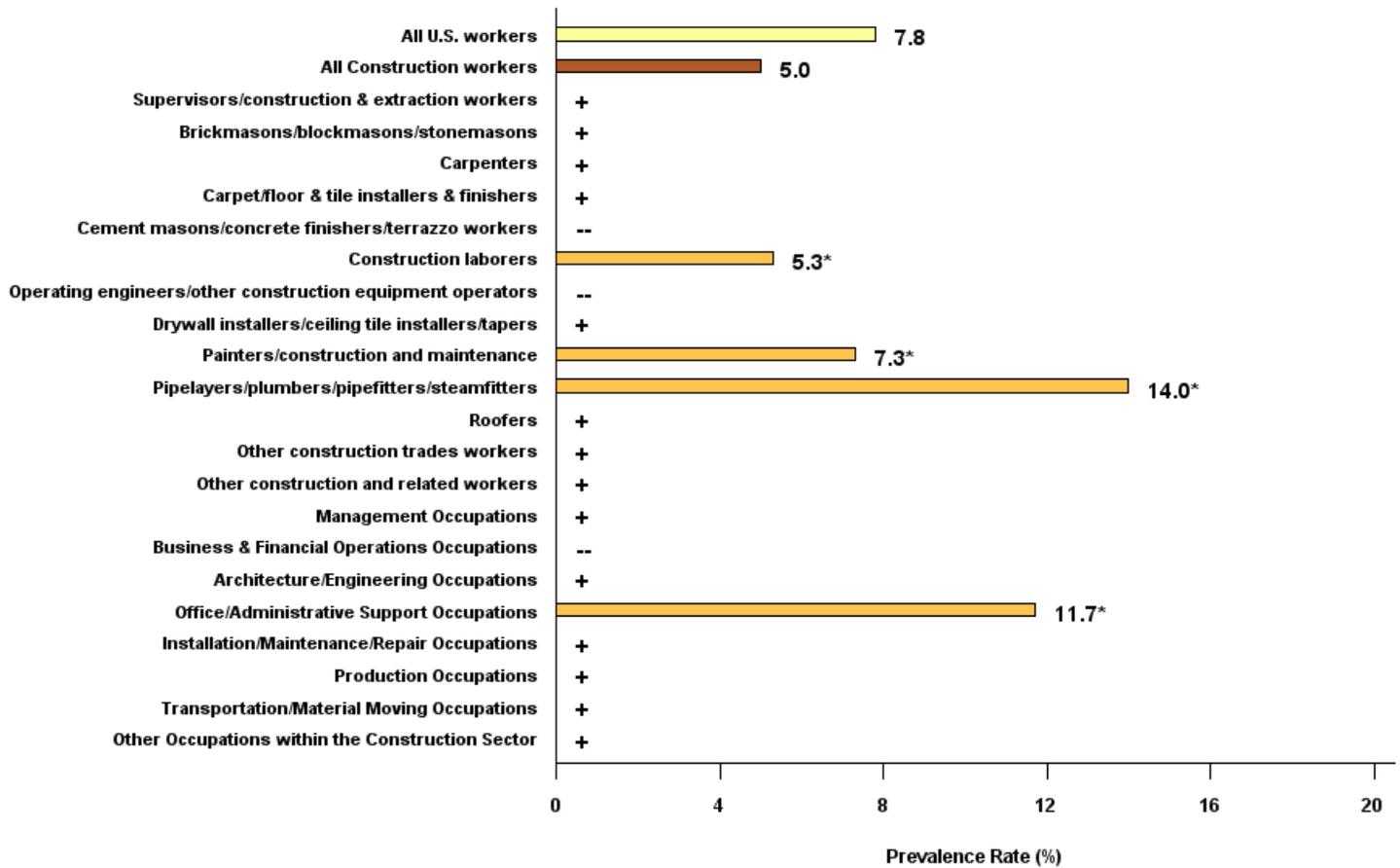
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+ Estimates with a relative standard error >50% are not shown as they do not meet NCHS reliability/precision standards.

-- No cases detected, likely due to insufficient sample size.

Figure 11. Prevalence of hostile work environments among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

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



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

-- No cases detected, likely due to insufficient sample size.

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

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	7.8	0.3	7.3-8.4
All Construction workers	5.0	0.8	3.6-6.5
Supervisors/construction & extraction workers	+	+	+
Brickmasons/blockmasons/stonemasons	+	+	+
Carpenters	+	+	+
Carpet/floor & tile installers & finishers	+	+	+
Cement masons/concrete finishers/terrazzo workers	--	--	--
Construction laborers	5.3*	2.4	0.6-9.9
Operating engineers/other construction equipment operators	--	--	--
Drywall installers/ceiling tile installers/tapers	+	+	+
Painters/construction and maintenance	7.3*	2.6	2.2-12.5
Pipelayers/plumbers/pipefitters/steamfitters	14.0*	6.7	1.0-27.1
Roofers	+	+	+
Other construction trades workers	+	+	+
Other construction and related workers	+	+	+
Management Occupations	+	+	+
Business & Financial Operations Occupations	--	--	--
Architecture/Engineering Occupations	+	+	+
Office/Administrative Support Occupations	11.7*	4.9	2.0-21.4
Installation/Maintenance/Repair Occupations	+	+	+
Production Occupations	+	+	+
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	+	+	+

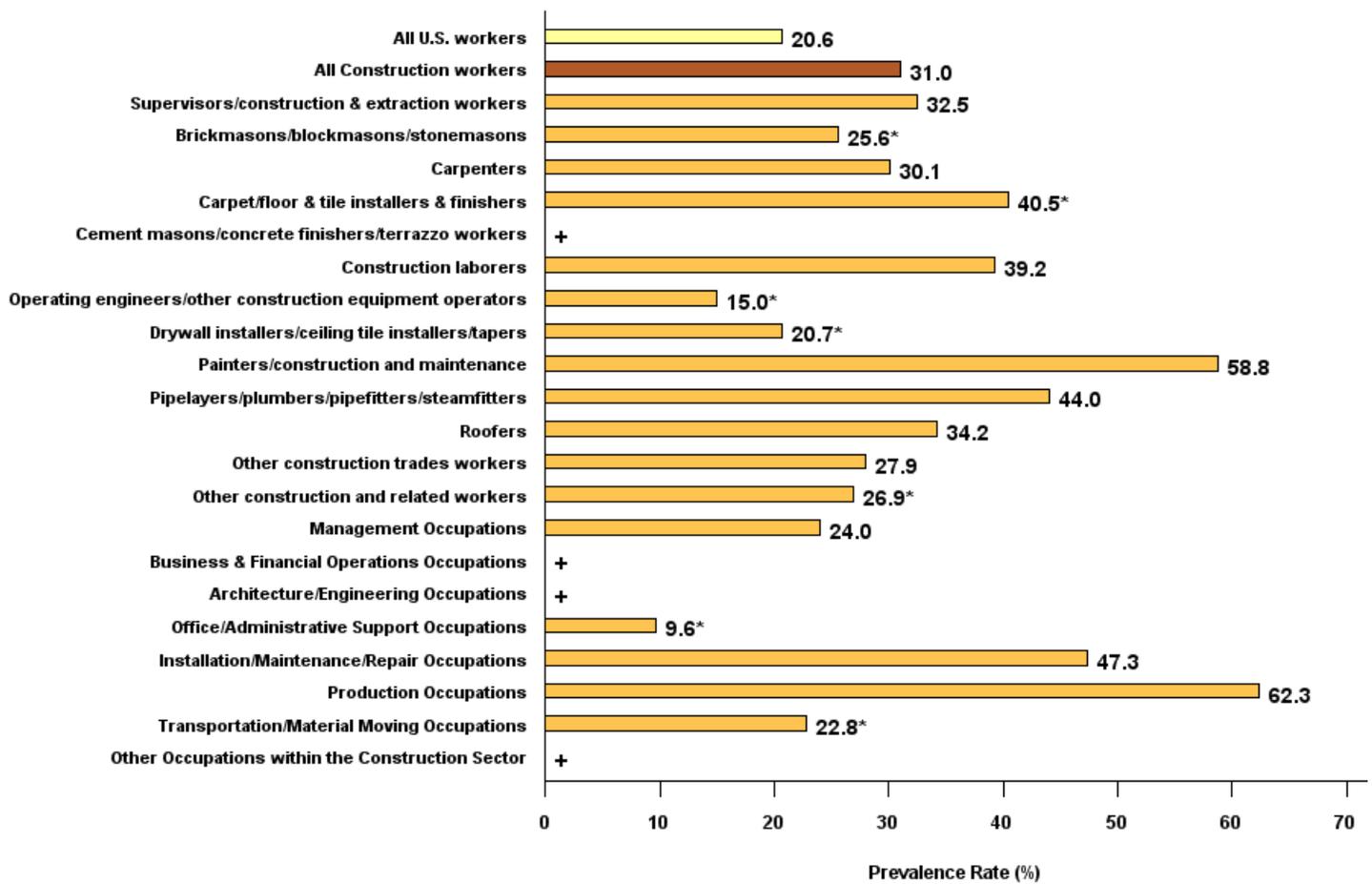
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+ Estimates with a relative standard error >50% are not shown as they do not meet NCHS reliability/precision standards.

-- No cases detected, likely due to insufficient sample size.

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

NHIS Question: During the past 12 months, did you regularly handle or were you in skin contact with chemical products or substances at work twice a week or more?



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

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

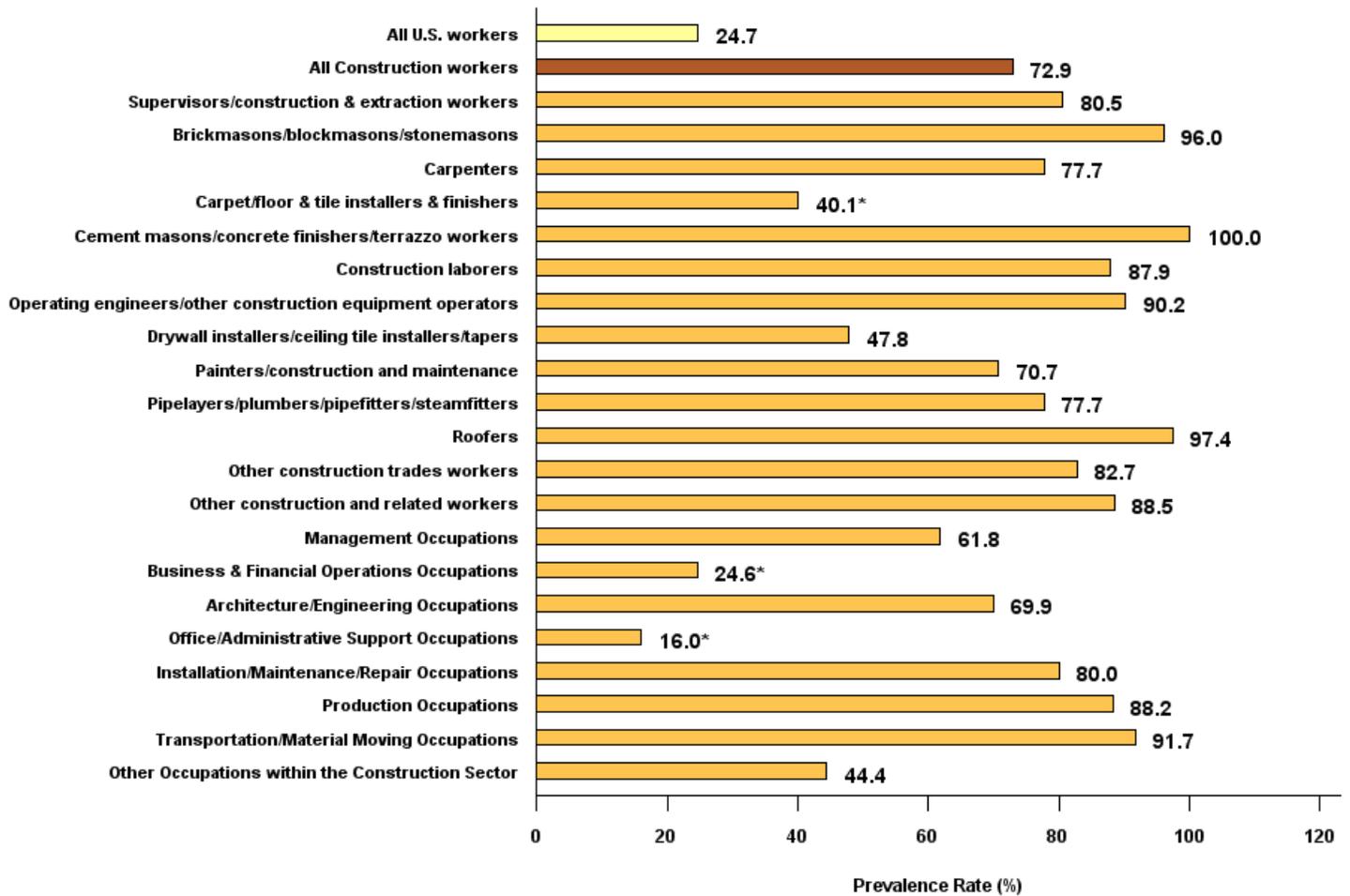
	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	20.6	0.4	19.8-21.3
All Construction workers	31.0	1.7	27.7-34.3
Supervisors/construction & extraction workers	32.5	7.3	18.3-46.8
Brickmasons/blockmasons/stonemasons	25.6*	9.2	7.4-43.7
Carpenters	30.1	4.4	21.4-38.9
Carpet/floor & tile installers & finishers	40.5*	14.6	11.8-69.2
Cement masons/concrete finishers/terrazzo workers	+	+	+
Construction laborers	39.2	5.2	29.1-49.4
Operating engineers/other construction equipment operators	15.0*	6.4	2.4-27.5
Drywall installers/ceiling tile installers/tapers	20.7*	9.8	1.4-40.1
Painters/construction and maintenance	58.8	7.3	44.4-73.2
Pipelayers/plumbers/pipefitters/steamfitters	44.0	8.3	27.6-60.3
Roofers	34.2	9.9	14.8-53.6
Other construction trades workers	27.9	5.0	18.1-37.7
Other construction and related workers	26.9*	9.0	9.2-44.7
Management Occupations	24.0	4.4	15.4-32.7
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	+	+	+
Office/Administrative Support Occupations	9.6*	4.4	1.0-18.2
Installation/Maintenance/Repair Occupations	47.3	8.1	31.4-63.2
Production Occupations	62.3	11.8	39.0-85.6
Transportation/Material Moving Occupations	22.8*	8.6	5.9-39.8
Other Occupations within the Construction Sector	+	+	+

* 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 13. Prevalence of exposure to outdoor work among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

NHIS Question: During the past 12 months, did you regularly work outdoors twice a week or more?



* 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.

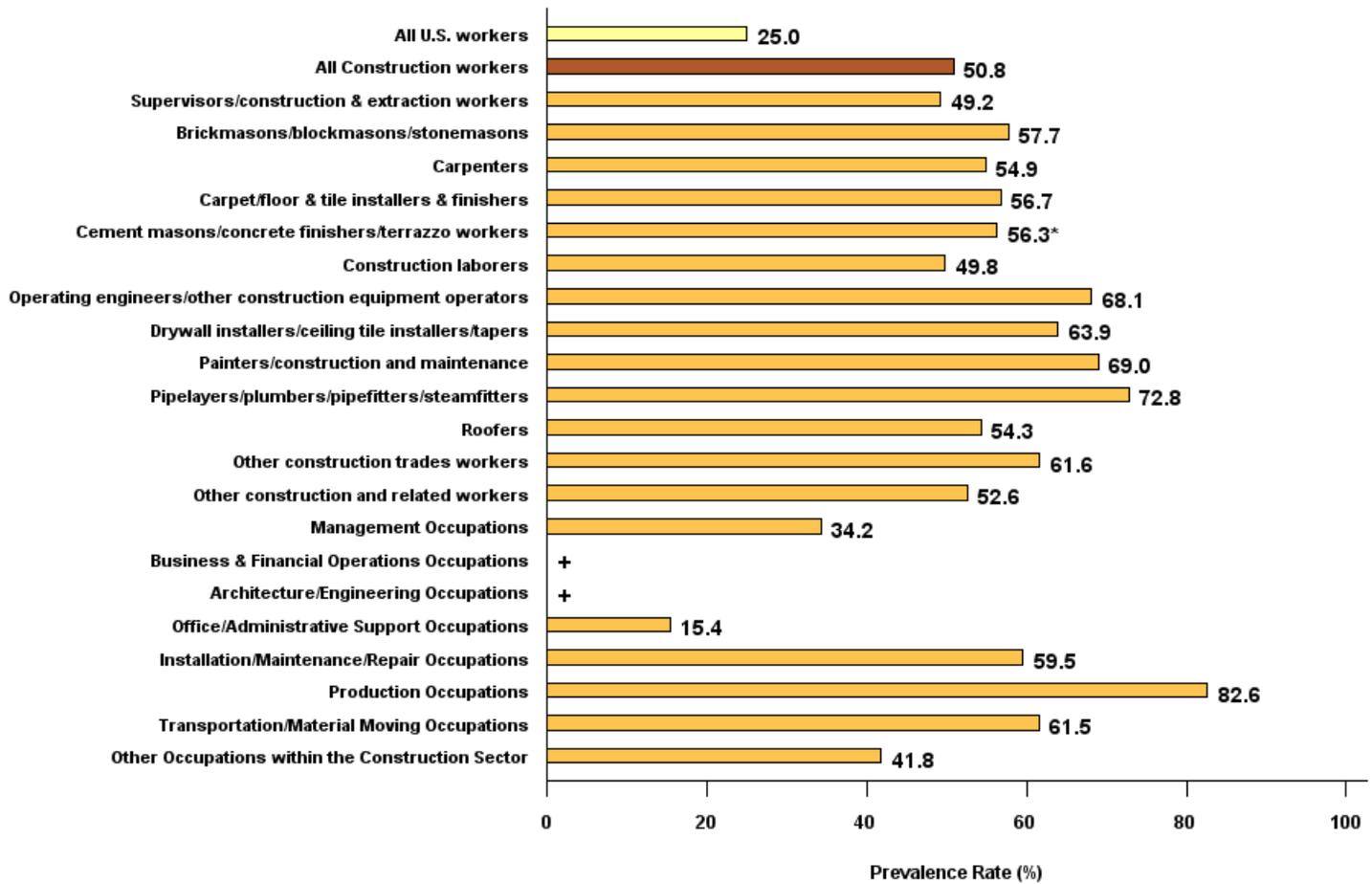
Table 13. Prevalence of exposure to outdoor work among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	24.7	0.4	23.8-25.6
All Construction workers	72.9	1.7	69.6-76.2
Supervisors/construction & extraction workers	80.5	6.8	67.2-93.9
Brickmasons/blockmasons/stonemasons	96.0	3.3	89.4-102.6
Carpenters	77.7	4.2	69.5-85.9
Carpet/floor & tile installers & finishers	40.1*	14.5	11.6-68.6
Cement masons/concrete finishers/terrazzo workers	100.0	0.0	100.0-100.0
Construction laborers	87.9	3.4	81.4-94.5
Operating engineers/other construction equipment operators	90.2	5.6	79.3-101.2
Drywall installers/ceiling tile installers/tapers	47.8	12.8	22.5-73.0
Painters/construction and maintenance	70.7	7.0	57.0-84.5
Pipelayers/plumbers/pipefitters/steamfitters	77.7	7.0	63.8-91.6
Roofers	97.4	2.6	92.4-102.5
Other construction trades workers	82.7	5.3	72.3-93.1
Other construction and related workers	88.5	5.8	77.1-100.0
Management Occupations	61.8	5.6	50.7-72.8
Business & Financial Operations Occupations	24.6*	8.7	7.5-41.6
Architecture/Engineering Occupations	69.9	11.6	47.0-92.8
Office/Administrative Support Occupations	16.0*	5.0	6.2-25.9
Installation/Maintenance/Repair Occupations	80.0	6.8	66.7-93.3
Production Occupations	88.2	8.1	72.3-104.1
Transportation/Material Moving Occupations	91.7	5.7	80.5-102.9
Other Occupations within the Construction Sector	44.4	11.3	22.2-66.7

* 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 Construction occupational category, 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?*



* 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.

Table 14. Prevalence of exposure to vapors, gas, dust, or fumes among U.S. adults who worked in the past 12 months by Construction occupational category, 2010

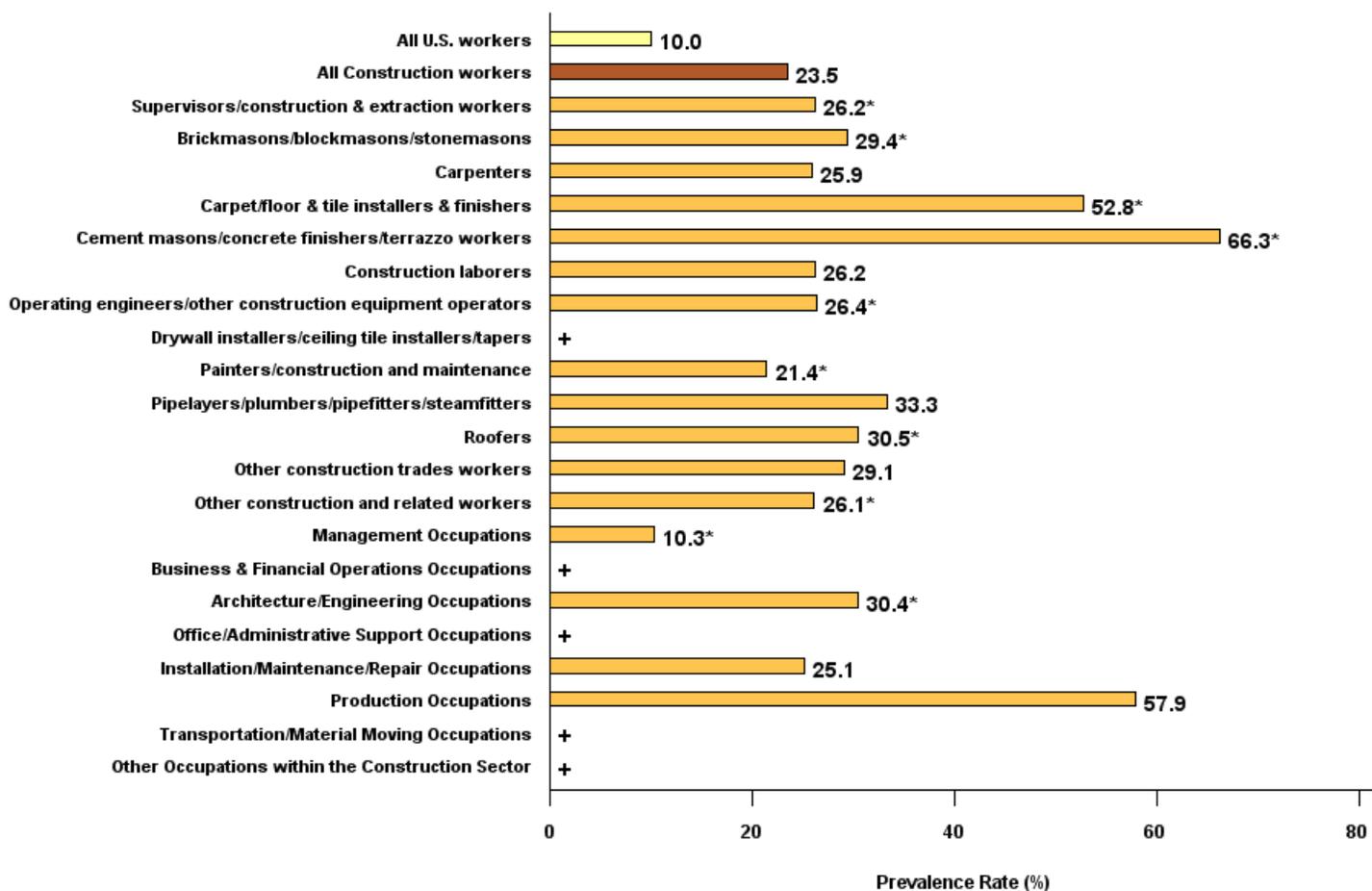
	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	25.0	0.4	24.2-25.8
All Construction workers	50.8	1.8	47.3-54.4
Supervisors/construction & extraction workers	49.2	7.1	35.1-63.2
Brickmasons/blockmasons/stonemasons	57.7	11.0	36.1-79.4
Carpenters	54.9	4.5	46.0-63.7
Carpet/floor & tile installers & finishers	56.7	13.2	30.7-82.7
Cement masons/concrete finishers/terrazzo workers	56.3*	17.0	22.9-89.8
Construction laborers	49.8	5.0	40.0-59.7
Operating engineers/other construction equipment operators	68.1	10.6	47.3-88.9
Drywall installers/ceiling tile installers/tapers	63.9	12.4	39.6-88.3
Painters/construction and maintenance	69.0	7.0	55.2-82.7
Pipelayers/plumbers/pipefitters/steamfitters	72.8	8.0	57.2-88.5
Roofers	54.3	10.4	33.8-74.8
Other construction trades workers	61.6	6.4	49.1-74.2
Other construction and related workers	52.6	9.5	34.0-71.3
Management Occupations	34.2	5.2	24.0-44.4
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	+	+	+
Office/Administrative Support Occupations	15.4	4.6	6.4-24.3
Installation/Maintenance/Repair Occupations	59.5	8.7	42.4-76.7
Production Occupations	82.6	8.9	65.2-100.0
Transportation/Material Moving Occupations	61.5	10.8	40.2-82.8
Other Occupations within the Construction Sector	41.8	9.1	24.0-59.6

* 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 15a. Prevalence of exposure to secondhand smoke at work among non-smoking U.S. adults by Construction occupational category, 2010

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



* 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.

Table 15a. Prevalence of exposure to secondhand smoke at work among non-smoking U.S. adults by Construction occupational category, 2010

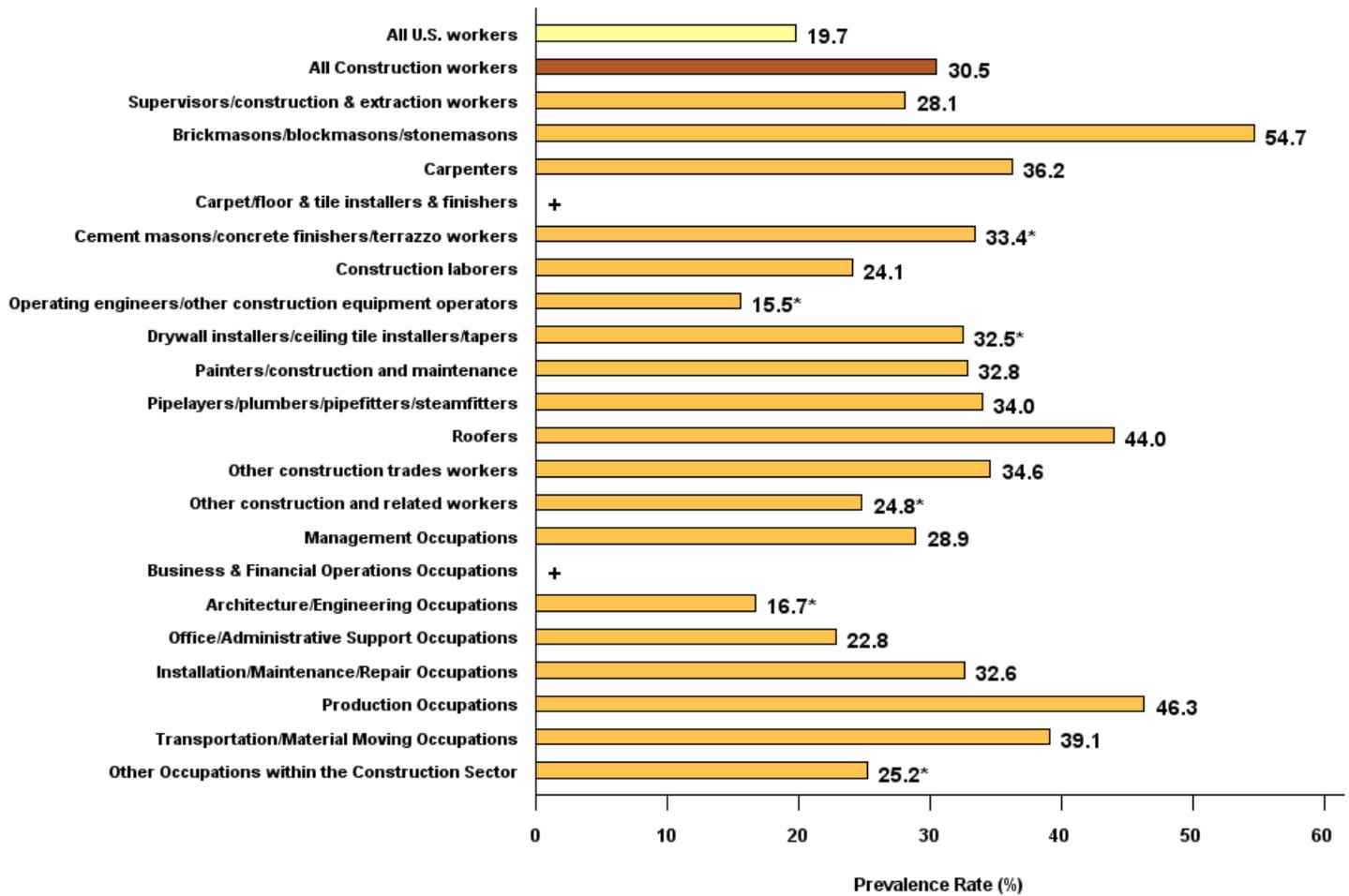
	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	10.0	0.3	9.3-10.6
All Construction workers	23.5	1.8	19.9-27.1
Supervisors/construction & extraction workers	26.2*	9.4	7.8-44.6
Brickmasons/blockmasons/stonemasons	29.4*	12.3	5.2-53.6
Carpenters	25.9	5.5	15.1-36.7
Carpet/floor & tile installers & finishers	52.8*	16.2	20.8-84.7
Cement masons/concrete finishers/terrazzo workers	66.3*	23.3	20.6-112.1
Construction laborers	26.2	5.2	16.1-36.4
Operating engineers/other construction equipment operators	26.4*	10.6	5.5-47.4
Drywall installers/ceiling tile installers/tapers	+	+	+
Painters/construction and maintenance	21.4*	8.2	5.2-37.6
Pipelayers/plumbers/pipefitters/steamfitters	33.3	9.9	13.8-52.8
Roofers	30.5*	13.6	3.8-57.2
Other construction trades workers	29.1	6.1	17.0-41.2
Other construction and related workers	26.1*	10.5	5.4-46.8
Management Occupations	10.3*	4.1	2.3-18.4
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	30.4*	13.4	4.0-56.7
Office/Administrative Support Occupations	+	+	+
Installation/Maintenance/Repair Occupations	25.1	7.2	10.9-39.2
Production Occupations	57.9	15.7	27.0-88.8
Transportation/Material Moving Occupations	+	+	+
Other Occupations within the Construction Sector	+	+	+

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+ Estimates with a relative standard error >50% are not shown 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 Construction occupational category, 2010

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



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+ Estimates with a relative standard error >50% are not shown 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 Construction occupational category, 2010

	Prevalence (%)	Standard Error of Prevalence	95% Confidence Interval
All U.S. Workers	19.7	0.4	18.9-20.4
All Construction workers	30.5	1.6	27.3-33.7
Supervisors/construction & extraction workers	28.1	7.1	14.1-42.1
Brickmasons/blockmasons/stonemasons	54.7	10.7	33.6-75.8
Carpenters	36.2	4.5	27.3-45.1
Carpet/floor & tile installers & finishers	+	+	+
Cement masons/concrete finishers/terrazzo workers	33.4*	16.0	1.9-64.9
Construction laborers	24.1	4.0	16.2-32.0
Operating engineers/other construction equipment operators	15.5*	7.5	0.6-30.3
Drywall installers/ceiling tile installers/tapers	32.5*	12.5	8.0-57.1
Painters/construction and maintenance	32.8	6.6	19.8-45.8
Pipelayers/plumbers/pipefitters/steamfitters	34.0	7.7	18.9-49.2
Roofers	44.0	11.4	21.6-66.5
Other construction trades workers	34.6	6.0	22.7-46.5
Other construction and related workers	24.8*	8.3	8.6-41.1
Management Occupations	28.9	4.6	19.9-37.9
Business & Financial Operations Occupations	+	+	+
Architecture/Engineering Occupations	16.7*	8.2	0.6-32.9
Office/Administrative Support Occupations	22.8	6.1	10.8-34.9
Installation/Maintenance/Repair Occupations	32.6	7.6	17.7-47.6
Production Occupations	46.3	11.9	23.0-69.6
Transportation/Material Moving Occupations	39.1	11.6	16.4-61.8
Other Occupations within the Construction Sector	25.2*	10.4	4.8-45.6

* 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.