

Behavioral Risk Factor Surveillance System (BRFSS) Health **Indicators by Industry and Occupation in Maryland** Elisabeth Dissen¹, MSPH Georgette Lavetsky¹, MHS Clifford Mitchell¹, MS, MD, MPH ¹Maryland Department of Health and Mental Hygiene

Background

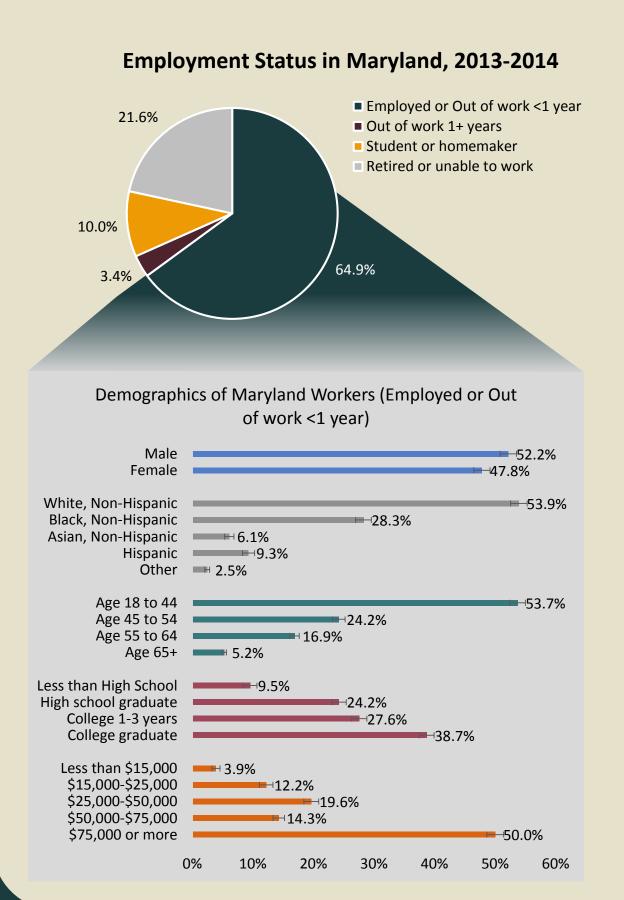
The Behavioral Risk Factor Surveillance System (BRFSS) is a national survey that collects data on health-related risk behaviors, chronic health conditions, and the use of preventive services. During the 2013 and 2014 survey years, Maryland BRFSS collected industry and occupation data, providing insight into health outcomes and health behaviors of approximately three million Maryland workers. This analysis examines 22 health indicators by occupation, industry, and sociodemographic variables.

Methods

Maryland BRFSS survey respondents who were employed or out of work for less than one year were asked their occupation and industry. Occupations and industries were grouped into 21 North American Industrial Classification System (NAICS) industry categories and 22 Standard Occupation Classification (SOC) occupation categories. Analyses were conducted using the SURVEYFREQ procedure in SAS. Percentages are weighted, unadjusted, bivariate prevalence estimates.

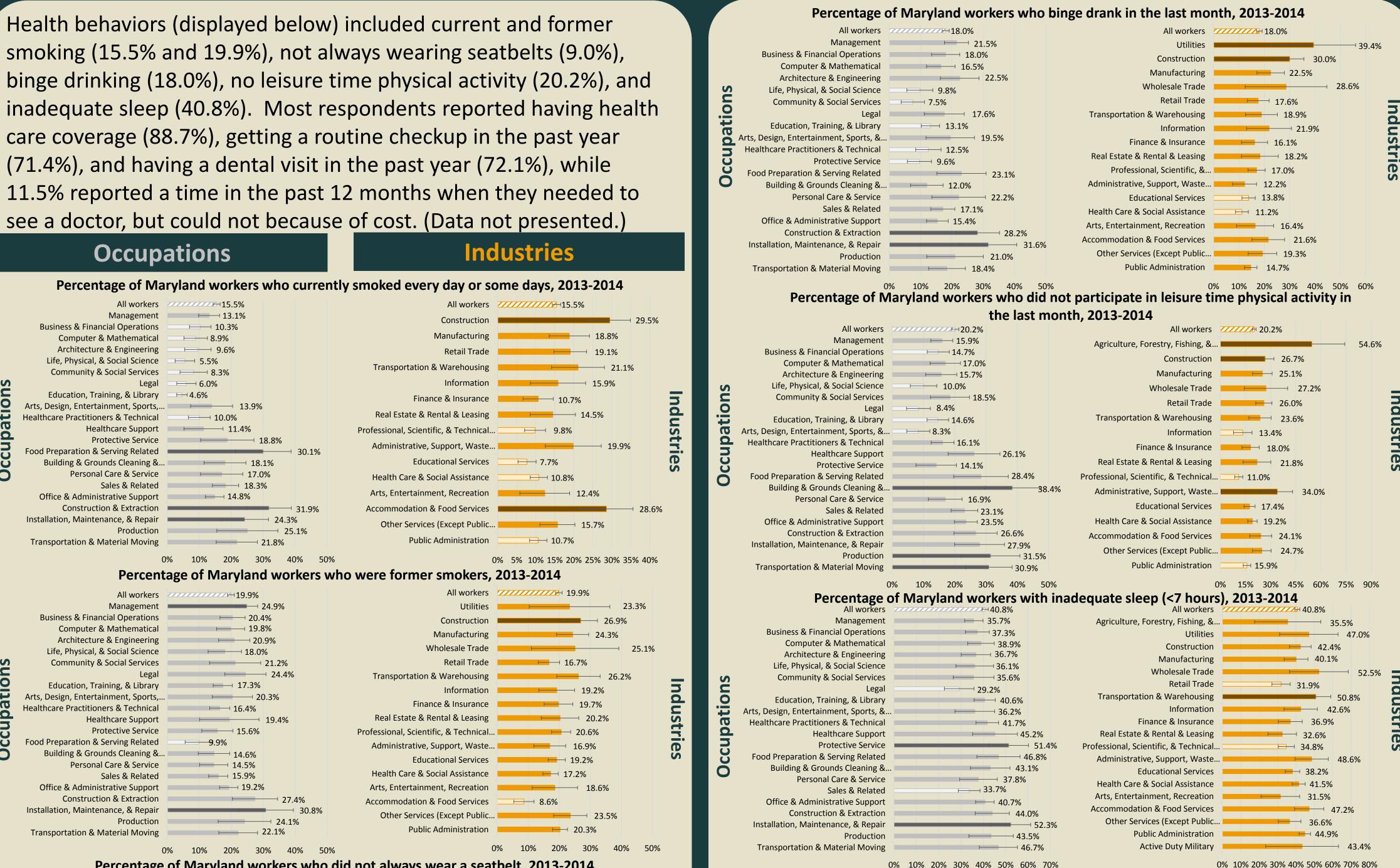
Results

In 2013 and 2014, 64.9% of Maryland adults were employed or out of work for less than one year. Workers were: 52.2% male, 53.7%



ages 18 to 44, 53.9% White non-Hispanic, 28.3% Black non-Hispanic, 9.3% Hispanic, and 6.1% Asian non-Hispanic, 38.7% college graduates, and 50.0% household income ≥ \$75,000. Workers most commonly reported hypertension (27.0%), arthritis (17.3%), and depressive disorders (13.6%). (Data not presented.)

Health status indicators included overweight (36.8%), obesity (29.5%), fair/poor general health (9.8%), and poor mental health (7.7%). (Data not presented.)



Lega
Education, Training, & Librar
Arts, Design, Entertainment, Sports
Healthcare Practitioners & Technica
Healthcare Suppor
Protective Service
Food Preparation & Serving Related

Building & Grounds Cleaning &
Personal Care & Service
Sales & Related
Office & Administrative Support
Construction & Extraction
Installation, Maintenance, & Repair

	Productio
Transportation & Mate	rial Movin

Percentage	e of Maryland wor	kers v	who did	not always wear a	seatbe	lt, 2013-20	014	
All workers	9.0%			All w	vorkers 📈	9.0	0%	
Management	7.3%			Const	ruction			⊣ 15.2%
Business & Financial Operations	5.1%			Manufa	cturing 📃		10.6°	%
Computer & Mathematical				Retai	l Trade		<u> </u>	.0%
Architecture & Engineering	Here and the second sec	⊣11.1%		Transportation & Wareh	ousing			
Education, Training, & Library	4.1%			·	mation		→ 8.6%	
Healthcare Practitioners & Technical	⊢−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−			Real Estate & Rental & I			→ 8.2%	
Protective Service	⊢−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−	, 0		Professional, Scientific, & Te	-			
Building & Grounds Cleaning &	9	.2%				└───── 5.8%		
Personal Care & Service	⊢−−−−−−−−−−−−−−−−7.9%			Administrative, Support,			⊣ 8.0%	
Sales & Related		→12.2%		Educational S	ervices	6.4	%	
Office & Administrative Support	6.9%			Health Care & Social Ass	istance	□ 🖂 🦳 🖂		
Construction & Extraction				Arts, Entertainment, Reci	reation		10	0.5%
Installation, Maintenance, & Repair		_		Accommodation & Food S	ervices			16.0
Production	-			Other Services (Except	t Public		⊣ 9.3%	
Transportation & Material Moving		10.0%		Public Adminis	tration	6.9)%	
(0% 5% 10% 15	5% 20	0% 25%		0%	5% 10%	15% 2	20% 25%
		•	-	try significantly higher try significantly lower				

95% confidence intervals

Health indicators differed by occupations and industries. Analysis of these data in conjunction with sociodemographic variables could provide opportunities for targeted outreach and public health actions in Maryland communities. Medical professionals should consider collecting occupational history to better inform patient care.

Conclusions

0% 10% 20% 30% 40% 50% 60% 70%

Contact Information

elisabeth.dissen@maryland.gov georgette.lavetsky@maryland.gov cliff.mitchell@maryland.gov

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