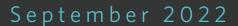
Estimating Public and Private Sector Missouri Workers' Lack of Access to Paid Leave: Summary



Authors:

Rachel Dicke, PhD Adrienne Ohler, PhD Adam Thorp, MPA







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This summary is an excerpt from *Research on Paid Leave in Missouri (2022)*.

Click here to read the full report and see the full list of citations.

- Among public and private sector Missouri workers who live and work in the state, 345,777 are estimated to lack access to paid leave (189,183 females and 156,594 males).
- The estimated lack of access to short-term paid leave among all public and private sector Missouri
 workers and Missouri essential workers differs by sex, race/ethnicity, educational attainment,
 occupational prestige, and household income.
 - o Lack of access to paid leave was higher among females than males.
 - Lack of access to paid leave was highest among American Indian/Alaska Natives and other and lowest among whites and Asians; Black and Hispanic workers were in between.
 - Among public and private sector Missouri workers, lack of access to paid leave was highest among those with the lowest educational attainment, those with service-oriented occupations, and those with the lowest household income.
- The estimated lack of access to short-term paid leave among Missouri public-facing essential workers revealed discrepancies between management and front-line workers.
 - For individuals employed in education and child care, lack of access to paid leave was highest among those employed in child care compared with those employed in education and as education and child care managers.
 - Nurses had higher lack of access to paid leave than doctors and medical managers.
 - Emergency medicine directors and front-line workers had approximately equivalent lack of access to paid leave.
 - Retail and food service workers had greater lack of access to paid leave than retail and food service managers.

Background

Past research demonstrates favorable health and economic outcomes for workers with access to paid sick leave compared to workers without access. Access to paid sick leave in the United States, however, is highly uneven. This brief summarizes a study of all Missouri public and private sector workers and a select group of public-facing essential workers who lack access to paid sick leave. The research utilized the <u>U.S.</u>

<u>Department of Labor Microsimulation Model on Worker Leave</u> (*Worker PLUS*) and incorporated a range of socio-demographic (e.g., sex, age, race/ethnicity, education, household income) and employment characteristics (e.g., employer size, industry, occupation) to produce a fine-grained analysis of Missouri workers who lack access to paid leave.

Worker PLUS Model: Population of Interest

For extensive methodological detail about our utilization of Worker PLUS for this study, see the full report (*Research on Paid Leave in Missouri (2022);* click <u>here</u>.

The Worker PLUS model utilized the 2018 American Community Survey (ACS) Public Use Microdata Sample (PUMS) and the U.S. Department of Labor 2018 Family and Medical Leave Act (FMLA) Employee Public Use File to produce estimates of formally employed Missourians who lack access to paid leave. The populations of interest included 1) all public and private Missouri workers of all wage rates, part-time and full-time workers, and all employer sizes and 2) Missourians employed as public-facing essential workers in the public and private sector. For this study, only people who live in Missouri and work in the public and private sectors were included and those who commute across-state borders for work were excluded. Estimates were weighted accordingly to be representative of the state's population.

For this brief, results focus on Missouri's public and private sector workers who lack access to short-term paid leave. This category of paid leave includes both short-term leave for one's own needs and short-term leave to care for a family member's needs. The full report presents estimates that address these subsets of short-term paid leave.

Formally Employed Missourians Who Lack Access to Paid Leave (both public and private sector Employees)

Tables 1 through 5 present estimates of the characteristics of Missourians formally employed in the public or private sector who were predicted to lack access to paid leave in 2018. The full report includes comparable estimates for Missouri workers classified as essential. According to Centers for Disease Control and Prevention (CDC) guidelines, 45% of employed Missourians were classified as essential. Comparing the predicted lack of access for all employed Missourians to that of essential workers employed in Missouri shows that the predicted need for paid leave is approximately 1 to 2 percentages points higher for essential workers. Table 6 presents estimates of lack of access to paid leave for a select group of public-facing essential workers.

Demographic Characteristics Associated With Lack of Access to Paid Leave

Across All Employed Missourians

Table 1 presents the demographic characteristics of individuals who live and work in Missouri and lack access to paid leave. Fourteen percent of Missouri employed females and 11.25% of Missouri employed males lack access to paid leave. The model estimates revealed some disparities in access to paid leave on the basis of race and ethnicity. Those with the highest lack of access to paid leave are American Indian and Alaska Native Missouri workers at 23.08%, followed by 18.25% for Black Missouri workers, 13.59% for Hispanic Missouri workers, 11.78%% for white Missouri workers, and 11.01% for Asian Missouri workers. The model estimates also show differences in lack of access to paid leave on the basis of worker age. Those younger than 30 are predicted to have the highest rates of lack of access to paid leave (20.36%). Employed Missourians without children are the least likely to lack access to paid leave (9.80%) compared to Missourians with one child (18.43%). The Worker PLUS model also estimated lack of access to paid leave on the basis of U.S. citizenship status; lack of access to paid leave varies slightly between U.S. citizens (12.70%) and noncitizens (13.17%). We note that non-citizens constitute 3% of the Missourian workforce.

Table 1: Percent of Public- and Private Sector Missouri Workers				
Estimated to Lack Access to Paid Leave: Demographic				
Characteristics				
	Lack Access to Paid Leave			
Sex				
Female	14.25%			
Male	11.25%			
Race/Ethnicity				
American Indian/Alaska Native	23.08%			
Asian	11.01%			
Black	18.25%			
Hispanic	13.59%			
Other	22.46%			
White	11.78%			
Age				
Under 30	20.36%			
30-59	10.47%			
60 and over	8.38%			
Number of Children				
0	9.80%			
1	18.43%			
2	16.73%			
3+	16.72%			
Citizenship Status				
Citizen (all designations)	12.70%			

13.17%

Source: Worker PLUS Model, ACS 2018, FMLA 2018

Not a citizen

Socioeconomic Characteristics Associated with Lack of Access to Paid Leave

Across All Employed Missourians

Table 2 presents Worker PLUS estimates of lack of access to paid leave by household income and worker education and marital status. ¹ Households making less than \$50,000 per year lack access to paid leave at higher rates than all other income categories (15.76% versus 10.25% to 13.09%). A similar trend appears for employed Missourians with lower levels of education; 18.44% of Missourians with less than a high school education lack access to paid leave and 6.91% of Missourians with a bachelor's degree or more lack access. Worker PLUS estimates also indicate that Missouri workers who have never married lack access to paid leave at higher rates than workers who are married, widowed, or divorced/separated (17.81% versus 10.00% to 12.42%). This finding could be illustrative of the age at which individuals marry; recall that lack of access to paid leave was highest among workers aged 30 years and younger.

Table 2: Percent of Public- and Private Sector Missouri Workers Estimated to Lack Access to Paid Leave: Socioeconomic Characteristics

	Lack Access to Paid Leave
Household Income Categories	
Less than \$50,000	15.76%
\$50,000 - \$74,999	13.09%
\$75,000 - \$149,999	10.73%
\$150,000 or more	10.25%
Highest Level of Education	
Less than high school	18.44%
High school	17.02%
Some college	14.69%
Associate	11.41%
Bachelor's	6.91%
More than a bachelor's	6.42%
Marital Status	
Married	10.00%
Widowed	10.49%
Divorced/separated	12.42%
Never married	17.81%

Source: Worker PLUS Model, ACS 2018, FMLA 2018

Employment Characteristics Associated with Lack of Access to Paid Leave

Across All Employed Missourians

Table 3 shows estimates of lack of access to paid leave for workers by employment characteristics, including health insurance and employer size. Employed Missourians without health insurance are more likely to lack access to paid leave than employed Missourians with health insurance (16.85% vs. 12.20%, respectively) and lack of access to paid leave is greater among employees working for employers with fewer than 50 employees (13.73%) than for larger employers (11.93% and 12.37%.).

Table 3: Percent of Public- and Private Sector Missouri Workers Estimated to Lack Access to Paid Leave: Employment Characteristics

	Lack Access to Paid Leave
Health Insurance	
Yes	12.20%
No	16.85%
Employer Size	
1-49 employees	13.73%
50-999 employees	12.37%
1,000 or more employees	11.93%

Source: Worker PLUS Model, ACS 2018, FMLA 2018

Employer Industry and Employee Lack of Access to Paid Leave

Across All Employed Missourians

Table 4 shows estimates of lack of access to paid leave by employer industry as classified by the North American Industry Classification System (NAICS). The table lists employer industries in order from highest predicted lack of access to paid leave to lowest predicted lack of access to paid leave. Industries that employ workers who lack access to paid leave at the highest rates include mining, quarrying, and oil and gas extraction (25.11%) and arts, entertainment, and recreation, and accommodation and food services (22.56%). Industries with the lowest rate of access to paid leave include public administration (8.56%), agriculture, forestry, fishing, and hunting (8.48%), and professional, scientific, and management, and administration, and waste management services (8.17%).

Employee Occupation and Lack of Access to Paid Leave

Across All Employed Missourians

Table 5 shows lack of access to paid leave by employee occupation and, similar to Table 4, lists occupation in order from highest predicted lack of access to paid leave to lowest predicted lack of access to paid leave. Missouri workers with the highest predicted lack of access to paid leave include service occupations (21.26%), installation, maintenance, and repair (14.55%), construction and extraction (14.34%), and sales (14.30%). Missouri workers with the lowest predicted lack of access to paid leave have occupations in office and administrative support (10.72%), arts and sciences (8.62%) and management, business, and finance occupations (7.33%).

Table 4: Percent of Public- and Private Sector Missouri Workers
Estimated to Lack Access to Paid Leave: By Industry

Industry	Lack Access to Paid Leave
Mining, quarrying, and oil and gas extraction	25.11%
Arts, entertainment, recreation, and accommodation and food services	22.56%
Information	16.31%
Other services except public administration	15.40%
Transportation and warehousing	13.89%
Construction	13.49%
Wholesale trade	13.46%
Educational services, and health care and social assistance	12.59%
Finance and insurance, and real estate, and rental and leasing	9.29%
Manufacturing	9.07%
Public administration	8.56%
Agriculture, forestry, fishing, and hunting	8.48%
Professional, scientific, and management, and administrative, and waste management services	8.17%
Source: Worker DLUS Model ACS 2019 EMIA 2019	

Source: Worker PLUS Model, ACS 2018, FMLA 2018

Table 5: Percent of Public- and Private Sector Missouri Workers
Estimated to Lack Access to Paid Leave: By Occupation

Occupation	Lack Access to Paid
	Leave
Services	21.26%
Installation, maintenance, and repair	14.55%
Construction and extraction	14.34%
Sales	14.30%
Production	13.33%
Farming, fishing, and forestry	13.24%
Transportation and material moving	12.71%
Office and administrative support	10.72%
Arts and sciences	8.62%
Management, business, and financial	7.33%

Source: Worker PLUS Model, ACS 2018, FMLA 2018

Public-Facing Missouri Public and Private Sector Essential Workers

Table 6 presents Worker PLUS estimates of lack of access to paid leave for a select group of public-facing essential workers. Five categories of occupation are included: education and child care, medical professions, emergency medicine, retail, and food service. These occupations are further divided into management positions and non-management positions.

Overall, Missouri public-facing essential workers in nonmanagerial positions are predicted to lack access to paid leave at a higher rate than those in managerial positions. This difference is most pronounced between child care workers, and education and child care managers, where 26.72% and 6.72% lack access to paid leave, respectively. About 25% of food service workers and 17.40% of food service managers are predicted to lack access to paid leave. Although the medical professions are estimated to lack access to paid leave at lower rates, nurses are more likely to lack access to paid leave than medical managers and doctors (13.58% versus 8.26% and 8.19%, respectively). Missourians working in emergency medicine are more likely to lack access to paid leave than some of their peers in the above-mentioned medical professions; 11.30% of EMTs and 12.03% of emergency management directors lack access to paid leave compared to 8.19% of doctors and 13.58% of nurses.

Table 6: Percent of Public- and Private Sector Missouri Workers in Public-Facing Essential Occupations Estimated to Lack Access to Paid Leave		
	Lack Access to Paid Leave	
Education and Child Care		
Education and child care managers	6.72%	
Education	8.23%	
Child care	26.72%	
Medical Professions		
Medical managers	8.26%	
Doctors	8.19%	
Nurses	13.58%	
Emergency Medicine		
Emergency management directors	12.03%	
EMTs and paramedics	11.30%	
Retail		
Retail managers	10.88%	
Retail workers	18.96%	
Food Service		
Food service managers	17.40%	
Food service	24.65%	

Source: Worker PLUS Model, ACS 2018, FMLA 2018

Equity Summary: Worker PLUS Estimates of Access to Paid Leave in Missouri

Worker PLUS estimates of lack of access to paid leave among public and private sector Missouri employees revealed disparities on the basis of sex and race/ethnicity and followed similar trends for education, occupation, and household income. For example, lack of access to paid leave was higher among women than men and showed wider variation for different racial and ethnic groups. Specifically, the lack of access to paid leave was highest among American Indian/Alaska Natives and other races and lowest among whites and Asians; Black and Hispanic workers were in between.

Among public and private sector Missouri workers, lack of access to paid leave was highest among those with the least educational attainment, those with service-oriented occupations, and those in the lowest household income category. The Worker PLUS estimates of Missourians employed in public-facing essential occupations yielded sharp contrasts in lack of access to paid leave on the basis of those in "managerial" positions versus those on the front-line. About 27% of child care workers were predicted to lack access to paid leave versus those in education (8.23%) or education and child care management (6.72%).

The direct provision of child care is a notoriously low-paying service occupation that requires limited educational attainment to enter the field. For those who want to pursue child care as a career, advancement often takes the form of child care managerial or administrative positions that require more education, and offer better pay and, on the basis of this analysis, more benefits such as paid leave. Worker PLUS estimates revealed similar disparities between managers and front-line workers in retail and food service, also low-paying occupations that require little educational attainment prior to employment. These discrepancies in lack of access to paid leave between front-line workers and back-office managers underlie the structural inequalities associated with lower prestige occupations within the same industry and represent the likely beneficiaries of a paid leave mandate in Missouri.

References - Click <u>here</u> to read the full report and see the full list of citations.

¹ U.S. Census Bureau. (2022). *Subject Definitions*. https://www.census.gov/programs-surveys/cps/technical-documentation/subject-definitions.html#householdnonfamily; Missouri Census Data Center (n.d.). *Measures of Income in the Census*. https://www.census.gov/programs-surveys/cps/technical-documentation/subject-definitions.html#householdnonfamily; Missouri Census Data Center (n.d.). *Measures of Income in the Census*. https://www.census.gov/programs-surveys/cps/technical-documentation/subject-definitions.html#householdnonfamily; Missouri Census Data Center (n.d.). *Measures of Income in the Census*. https://www.census.gov/programs-surveys/cps/technical-documentation/subject-definitions.html#householdnonfamily; Missouri Census Data Center (n.d.). https://www.census.gov/programs-surveys/cps/technical-documentation/subject-definitions.html#householdnonfamily; Missouri Census Data Center (n.d.). <a href="https://www.census.gov/programs-surveys/cps/technical-documentation/subject-definitions.html#householdnonfamily; Missouri Census Data Center (n.d.). <a href="https://www.census.gov/programs-surveys/cps/technical-documentation/subject-definitions.html#householdnonfamily; Missouri Census Data Center (n.d.). <a href="https://www.census.gov/programs-surveys/cps/technical-documentation/subject-definitions.html#householdnonfamily; Missouri Census Data Center (n.d.). <a