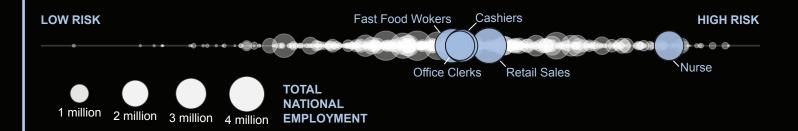
COVID-19 AND OCCUPATIONAL RISK

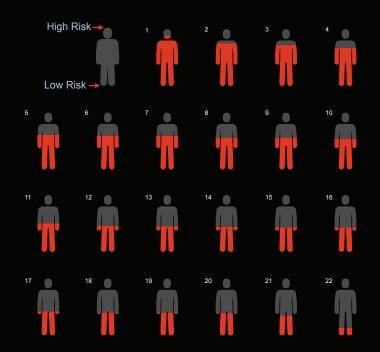
QUANTIFYING COVID-19 TRANSMISSION RISK BY OCCUPATION

We quantify the risk of workplace transmission of COVID-19 across more than 700 occupations. Each occupation is assessed in terms of disease exposure, indoor confinement, intimacy of care for others, face-to-face interaction, and physical proximity to others, among other indicators. The graphic below arranges occupations from lowest to highest COVID-19 transmission risk, with the size of each circle corresponding to the number of persons working in each occupation nationally. The five most common occupations are highlighted in blue.



COVID-19 TRANSMISSION RISK ACROSS OCCUPATIONAL GROUPS

Individual occupations are combined into 22 occupational groups and ordered statistically by the risk of workplace transmission.



Occupation Groups

- 1 Healthcare Practitioners and Technical Occupations
- 2 Protective Service Occupations
- 3 Community and Social Service Occupations
- 4- Healthcare Support Occupations
- 5 Personal Care and Service Occupations
- 6 Educational Instruction and Library Occupations
- 7 Management Occupations
- 8 Installation, Maintenance, and Repair Occupations
- 9 Construction and Extraction Occupations
- 10 Sales and Related Occupations
- 11 Food Preparation and Serving Related Occupations
- 12 Life, Physical and Social Service Occupations 13 Office and Administrative Support Occupations
- 14 Architecture and Engineering Occupations
- 15 Computer and Mathematical Occupations
- 16 Production Occupations
- 17 Arts, Design, Entertainment, Sports, and Media Occupations
- 18 Business and Financial Operations Occupations
- 19- Legal Occupations
- 20 Transportation and Material Moving 21 Building and Grounds Cleaning and Maintenance Occupations
- 22 Farming, Fishing, and Forestry Occupations

OCCUPATIONAL RISK ACROSS METRO AREAS

The map below plots the risk of workplace transmission for each metropolitan area based on their distribution of occupations. The size of each circle indicates the extent of workplace transmission risk.

