

Online Supplement to

**World Trade Center Disaster: Assessment of Responder Occupations, Work Locations
and Job Tasks**

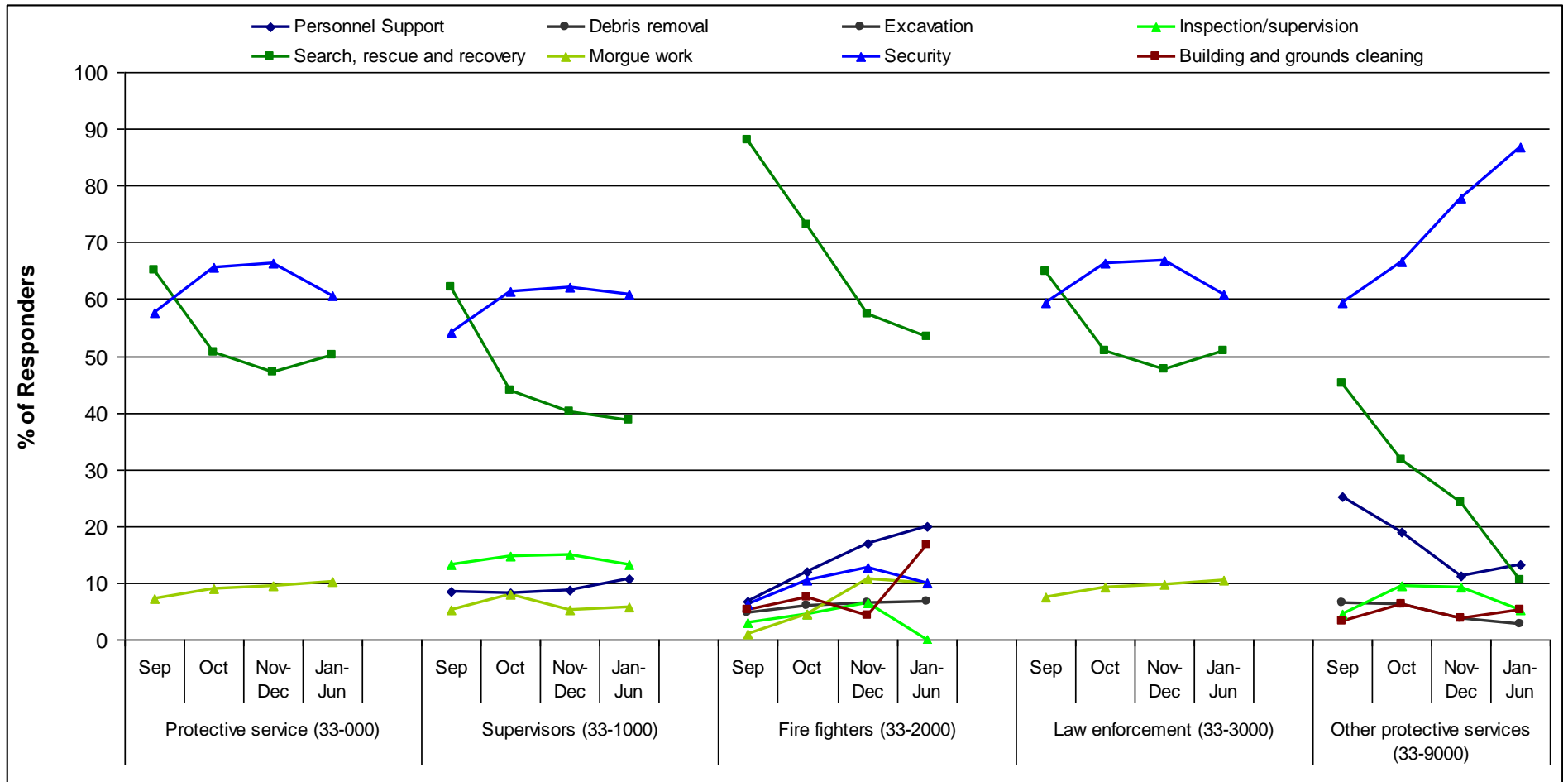
Supplement Table 1. Standard Occupational Classification Coding based on trade or profession reported by responders for September 10, 2001 Note that the number in the subcategories do not always add up to the N of the large shaded SOC because only subgroups with at least 45 workers were included. Under 47-2000 the number in parenthesis is the number of workers in that trade

Occupation (SOC) with at least 45 workers	Representative Occupational Titles	n	%
Protective Service Occupations (33-0000)		8,941	47.13
Supervisors of Protective Service Workers (33-1000)	Supervisors including Captains, Chiefs, Lieutenants, supervisors for NYC local municipality, Port Authority and other law enforcement agencies, supervisors for fire and emergency service workers outside New York FD, supervisors for protective service workers for other public agencies	358	
Fire Fighting and Prevention Workers (33-2000)	Fire fighters, fire marshalls, fire safety officers, included from regional fire department and other city agencies (excluding FNDY)	274	
Law Enforcement Workers (33-3000)	Correction officers, detectives, park safety officers, police officers, school safety officers, sergeants, traffic officers, NYPD and other municipal, regional, and federal agencies	8,211	
Other Protective Service Workers (33-9000)	Body guards, park rangers, security workers, <i>animal control workers</i>	98	
Construction Occupations (47-0000)		4,274	22.53
Supervisors of Construction and Extraction Workers (47-1000)	Foremen/ supervisors of construction trade workers and helpers	224	
Construction Trades Workers (47-2000)	Construction workers/demolition workers/laborers(600), carpenters/dock builders(242), electricians(347), heavy equipment operators/ crane operators (199), iron workers/structural iron and steel(459), masons (36), painters(40), plumbers/pipefitter (145), Less than 30 workers: <i>tile installer,,drywall installer, insulation workers, rebar &reinforcing ironworker, cement workers, glaziers, roofers, sheet metal workers</i>	2,393	
Other Construction and Related Workers (47-4000)	Asbestos handlers, asphalt pavers, building engineers/inspectors, elevator repair workers, highway repair workers, track workers, <i>hazardous materials removal workers, fence erectors</i>	1,644	
Electrical, Telecommunicatios & Other Installation & Repair (49-0000)		1,342	7.07
Supervisors of Installation, Maintenance, and Repair Workers (49-1000)	Supervisors of installation, maintenance and repair workers	91	
Electrical and Electronic Equipment Mechanics, Installers, and Repairers (49-2000)	Telecommunication field technicians (communications), central office (communications), telephone installers, utility workers (electric), <i>electrical repairer (powerhouse, substation, relay), telecommunications equipment repair and install except line installer</i>	416	

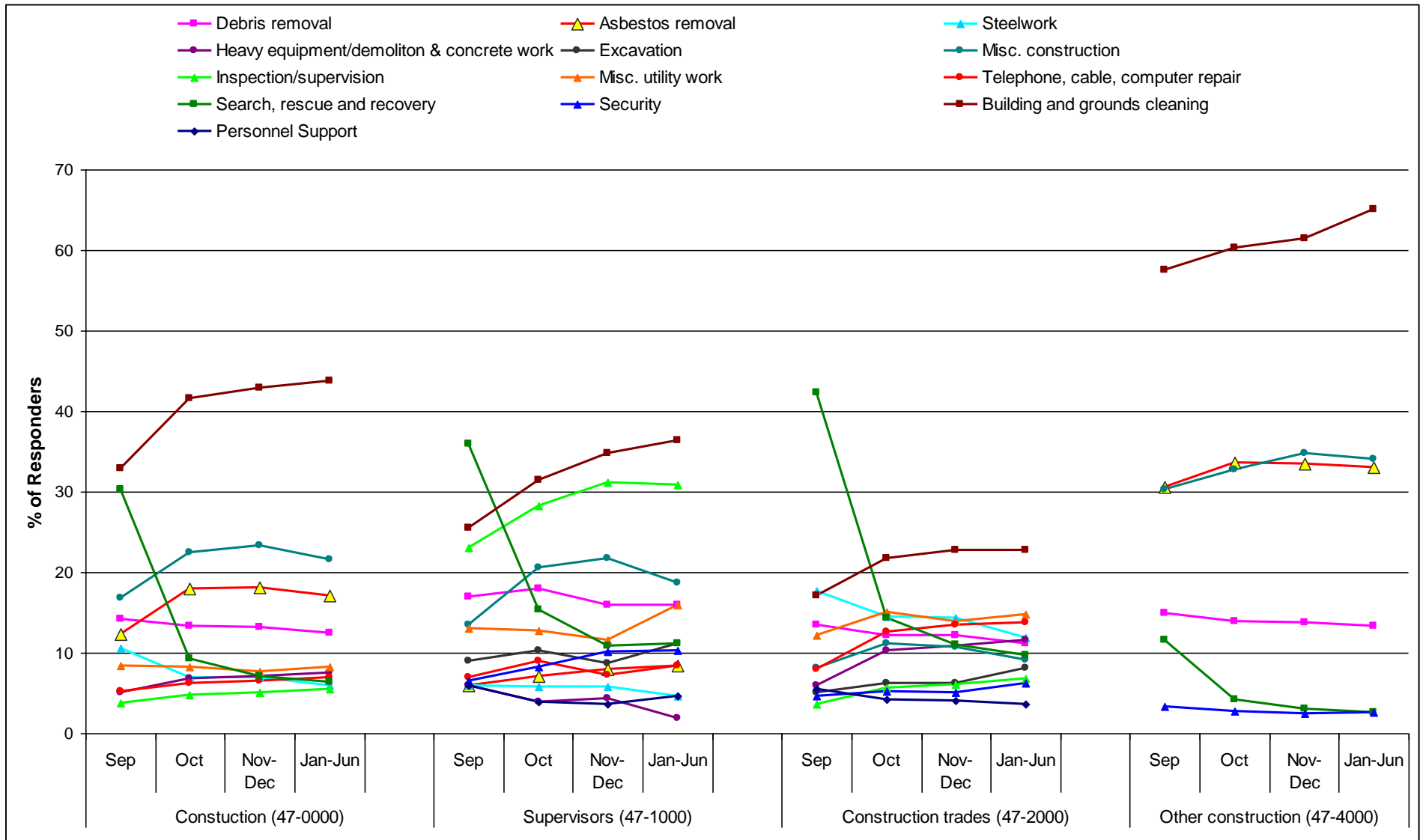
Vehicle and Mobile Equipment Mechanics, Installers, and Repairers (49-3000)	Auto/ truck/bus and heavy equipment mechanics, maintainers	128	
Other Installation, Maintenance, and Repair Occupations (49-9000)	Cable splicers, mechanics, maintenance workers <i>heating, air conditioning and refrigeration mechanics and installers, electrical power and telecommunications line installers, signal and track switch repair, building maintenance and repair, riggers</i>	707	
Transportation and Material Movers (53-0000)		698	3.68
Motor Vehicle Operators (53-3000)	Bus drivers, delivery drivers, motor vehicle drivers(taxi drivers, personal drivers), truck drivers, ambulance drivers	358	
Material Moving Workers (53-7000)	Sanitation workers, <i>conveyor operators, crane operator, dredge/excavator operator, hoist/winch operator</i>	246	
Business, Engineering & Administration (11-000; 13-000; 17-000)		1109	5.83
Management Occupations (11-0000)	Project managers, <i>financial, purchasing, construction, engineering, medical services and human resource managers</i>	587	
Business and Financial Operations Occupations (13-0000)	Union Representatives, <i>emergency management specialists, financial specialists, human resource specialists, claims adjusters, examiners and appraisers.</i>	139	
Architecture and Engineering Occupations (17-0000)	Civil engineers, engineers, field engineers, <i>architects, surveyors</i>	206	
Other Occupations (15-000; 19-000; 21-000; 25-000; 29-000; 39-000; 37-000; 35-000; 41-000; 51-000; 27-000, miscellaneous), and retired, unemployed and other unclassified individuals		2605	13.7
Health & Personal Care Professions (21-000; 29-000; 39-000)		(510)	(2.7)
Community and Social Services Occupations (21-0000)	<i>Mental health counselors, social workers, clergy</i>	88	
Healthcare Practitioners and Technical Occupations (29-0000)	<i>Physician, veterinarian, dentist, physician's assistant, nurse practitioner, nurse, chiropractor; EMT workers, EMS workers, occupational health and safety professionals</i>	304	
Personal Care and Service Occupations (39-0000)	<i>Funeral service workers, barbers and cosmetologist, flight attendants, child care workers, home care aides, fitness trainers, animal trainers</i>	118	
Building and Grounds Cleaning and Maintenance Occupations (37-0000) janitors, housekeeping, building cleaners, groundskeepers,		(496)	(2.6)
Hourly workers from retail, factory or food preparation occupations (35-000, 41-000, and 51-000),		(411)	(2.2)
Food Preparation and Serving Related Occupations (35-0000)	<i>Cooks, bartenders, waiters, dishwashers</i>	101	
Sales and Related Occupations (41-0000)	<i>Salespersons, travel agents, securities & commodities& financial services sales agents, real estate agents</i>	140	

Production Occupations (51-0000)	<i>Assemblers and fabricators , food processing workers, metal & plastic workers, printers, textile, apparel and furnishing workers, woodworkers, power & chemical plant workers, jewelers, and other manual production occupations</i>	170	
Arts, Design, Entertainment, Sports, and Media Occupations (27-0000) <i>Radio and TV announcers, reporters and broadcast staff, photographers, actors, dancers, musicians, designers</i>		(205)	(1.1)
Miscellaneous Occupations (15-000; 19-000; 25-000)		(297)	(1.6)
Computer & mathematical occupations 15-000	<i>Computer support, programmers, analysts, statisticians, actuaries</i>	49	
Life, physical & social sciences 19-0000	<i>Life scientists, environmental health scientists, psychologists, sociologists, urban planners</i>	75	
Education, Training, and Library Occupations (25-0000)	<i>Teachers (K-12 and post-secondary), librarians</i>	60	
Miscellaneous 23-000, 31- 000, 45-000, 55-000	<i>All < 45 people each: Farming, fishing and forestry workers, health care support workers, legal occupations, military occupations</i>	113	
Unemployed & retired		(370)	(2.0)
Unknown		(316)	(1.7)

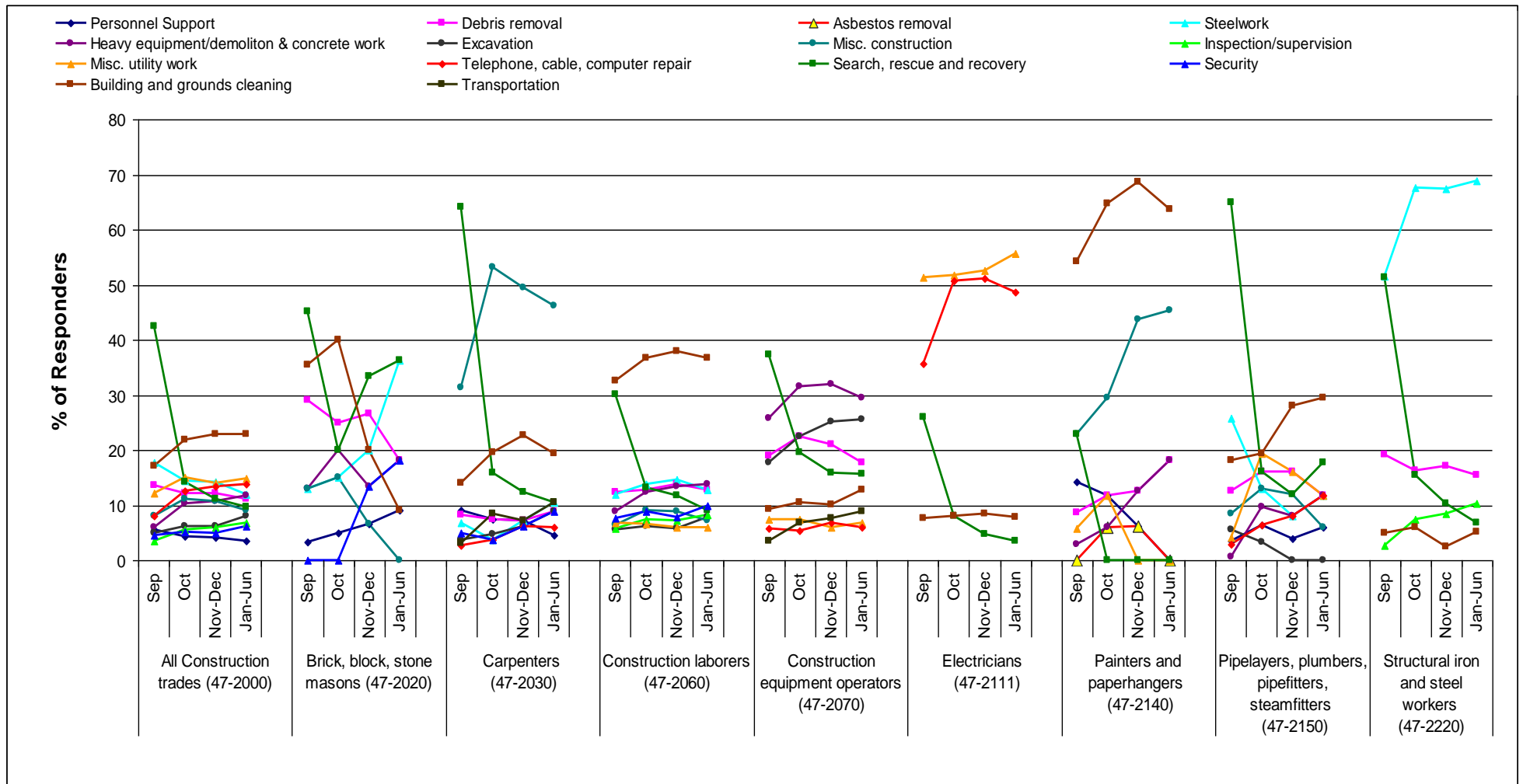
Supplement Figure 1 Activity Patterns for SOC subcategories within the Protective Services SOC group (33-000) (where subgroup N > 45 and activities were done by 5% or more of workers during at least one time period).



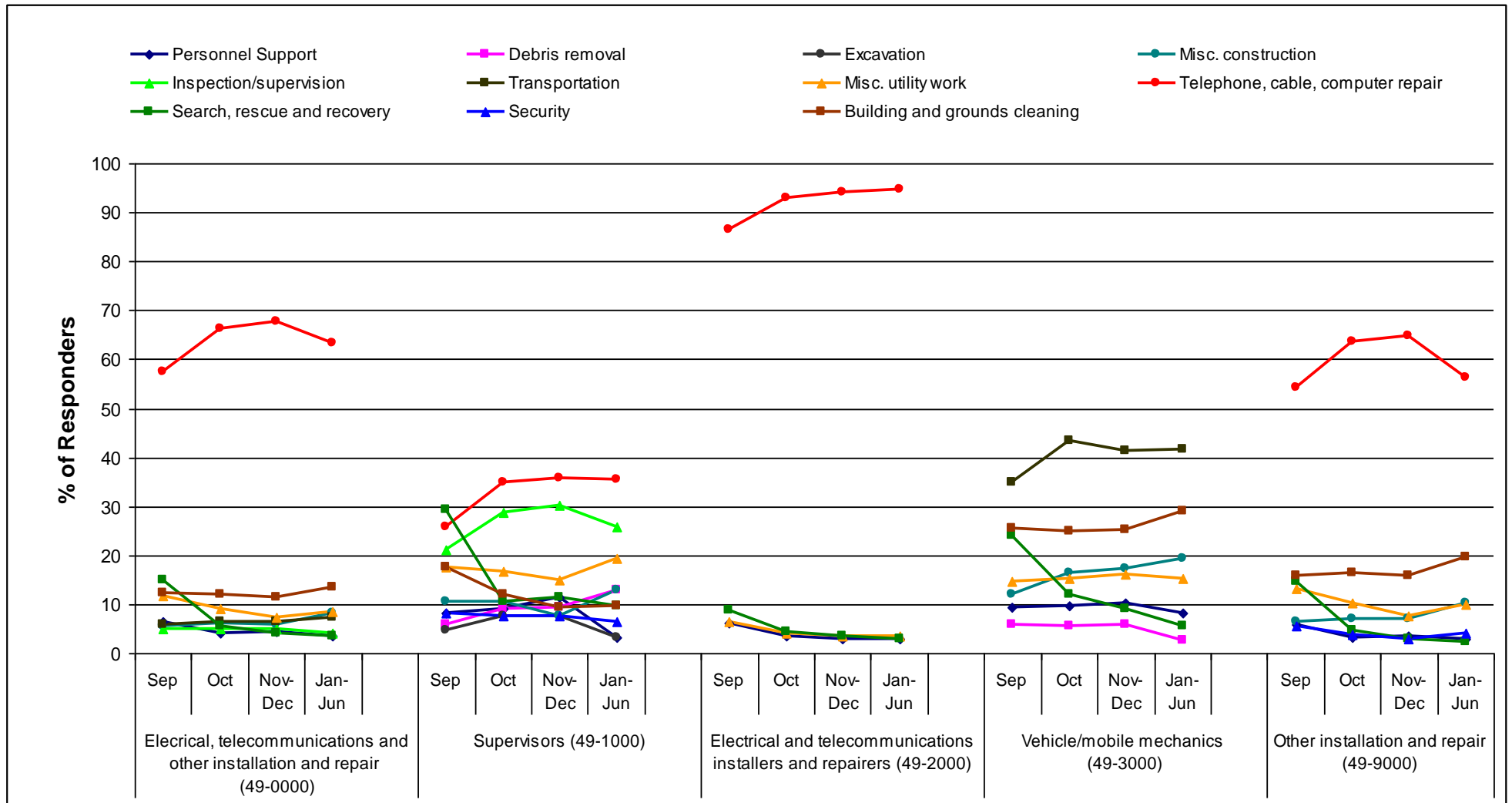
Supplement Figure 2 Activity Patterns for SOC subcategories within the Construction SOC group (47-0000)(where subgroup had N >45 and activities were done by 5% or more of workers during at least one time period).



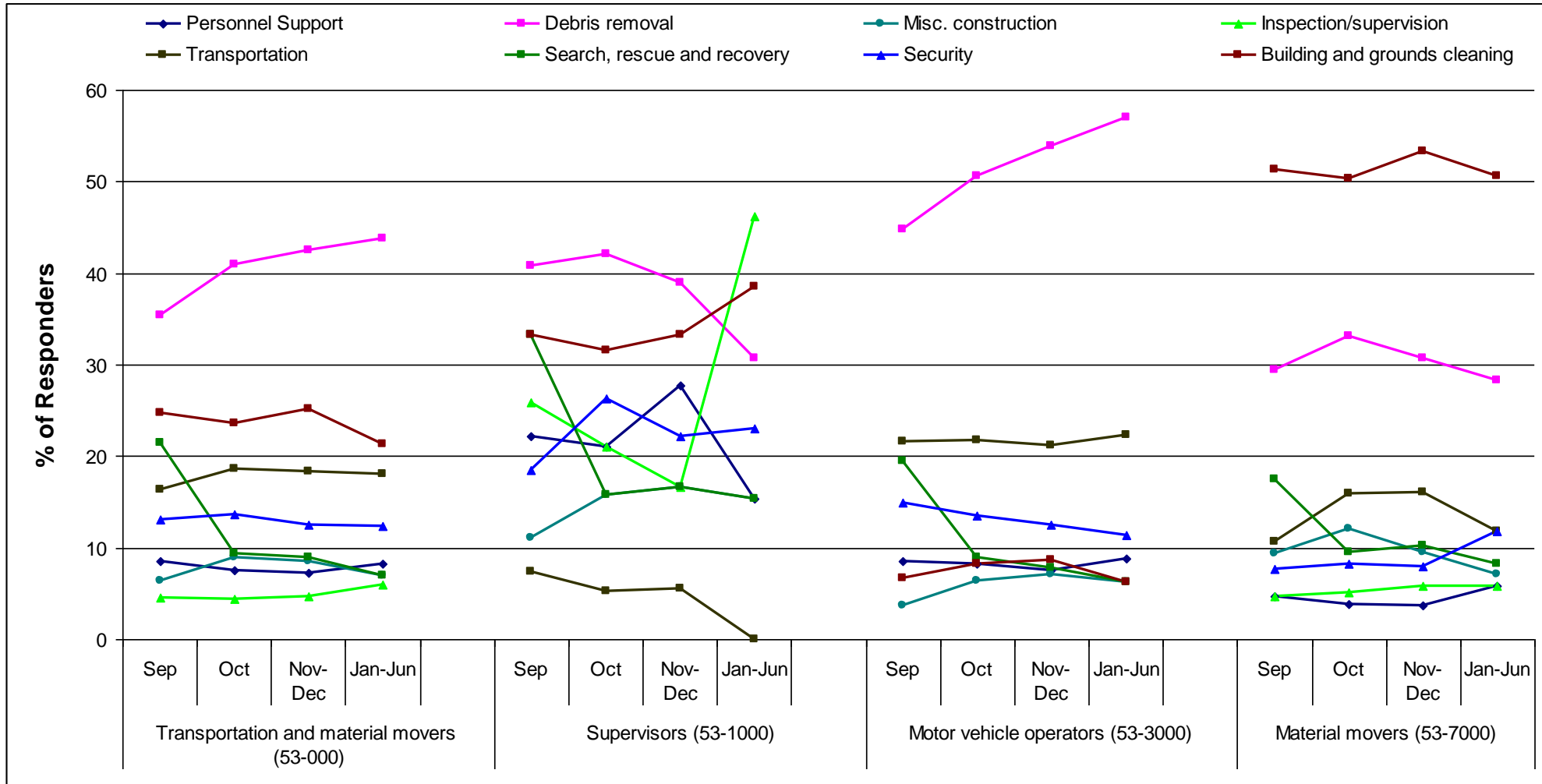
Supplement Figure 3 Activity Patterns for SOC subcategories within the Construction SOC group (47-2000)(where subgroup had N >45 and activities were done by 5% or more of workers during at least one time period).



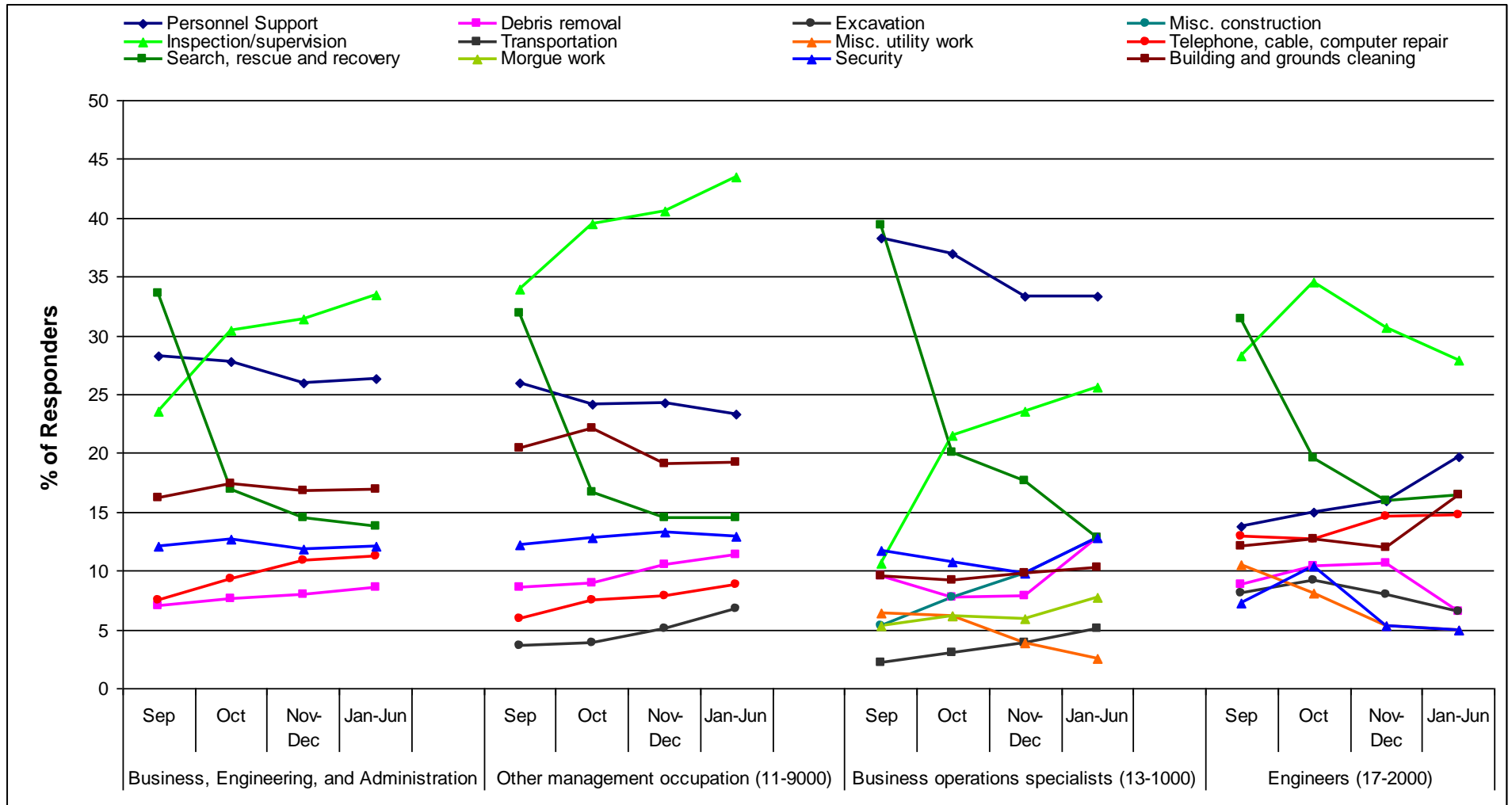
Supplement Figure 4 Activity Patterns for SOC subcategories within the Electrical, Telecommunications & Other Installation & Repair SOC (49-0000)
)(where subgroup had N >45 and activities were done by 5% or more of workers during at least one time period).



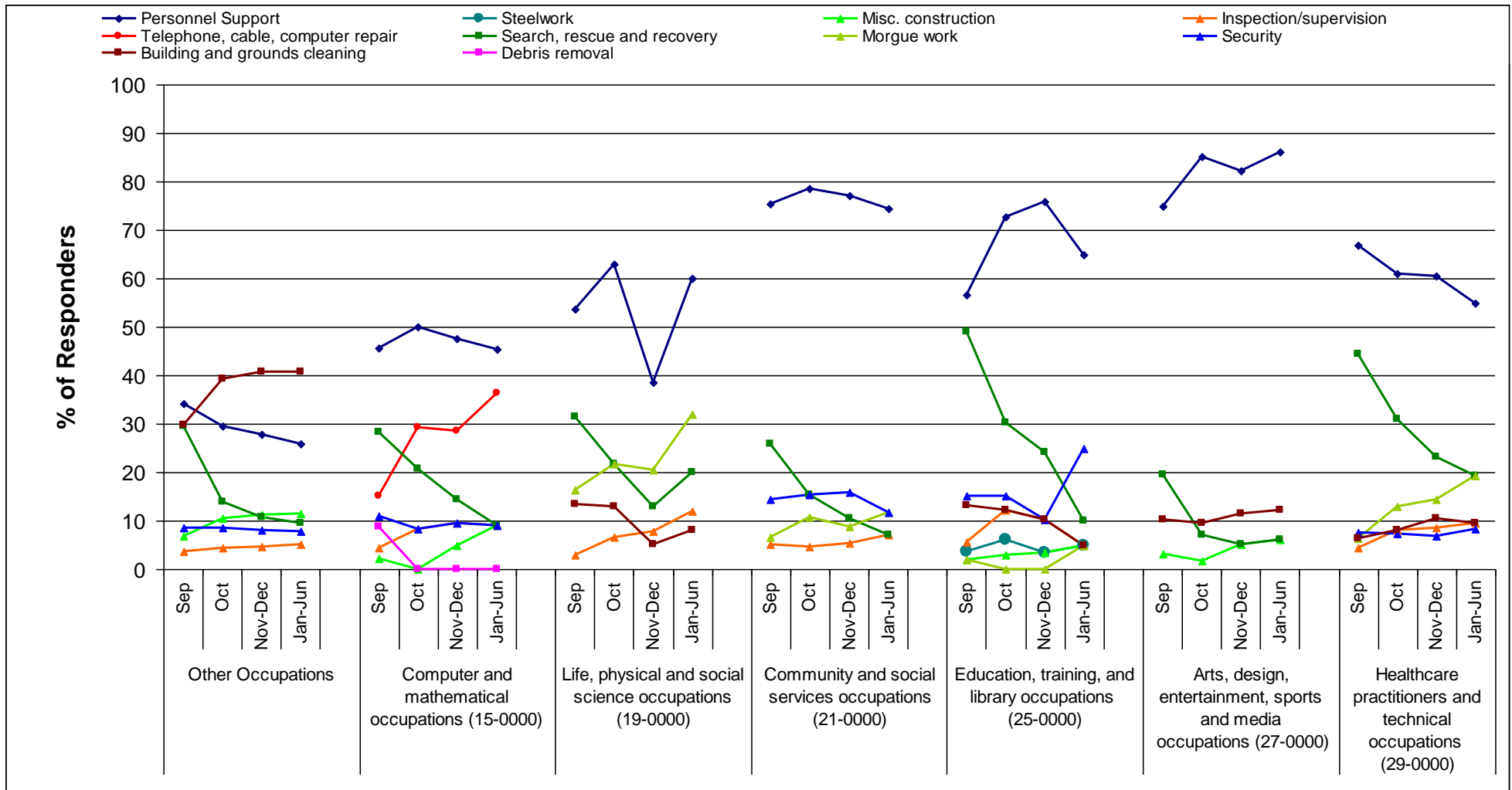
Supplement Figure 5 Activity Patterns for SOC subcategories within the Transportation SOC (53-0000) (where subgroup had N >45 and activities were done by 5% or more of workers during at least one time period).



Supplement Figure 6 Activity Patterns for SOC subcategories within the Business, Engineering and Administrative SOC (11-0000; 13-000; 17-000 and 43-000) (where subgroup had N >45 and activities were done by 5% or more of workers during at least one time period).



Supplement Figure 7 Activity Patterns for SOC subcategories within the “other occupations” SOC (15-0000, 19-0000, 21-0000, 25-0000, 27-0000, 29-0000) (where subgroup had N >45 and activities were done by 5% or more of workers during at least one time period).



Supplement Figure 8 Activity Patterns for SOC subcategories within the “other occupations” SOC (35-0000, 37-0000, 39-0000, 41-0000, 51-0000, Unemployed) (where subgroup had N >45 and activities were done by 5% or more of workers during at least one time period).

