

4 digit SOC Description	Mutambudzi et al.	equ Nafilyan et al.	2021 key worker groups
1115 Chief executives and senior officials	Non essential	Non essential	
1116 Elected officers and representatives	Non essential	Non essential	
1121 Production managers and directors in manufactu	Non essential	Non essential	
1122 Production managers and directors in constructio	Non essential	Non essential	
1123 Production managers and directors in mining and	Non essential	Non essential	
1131 Financial managers and directors	Non essential	Non essential	
1132 Marketing and sales directors	Non essential	Non essential	
1133 Purchasing managers and directors	Non essential	Non essential	
1134 Advertising and public relations directors	Non essential	Non essential	
1135 Human resource managers and directors	Non essential	Non essential	
1136 Information technology and telecommunications	Non essential	Non essential	
1139 Functional managers and directors n.e.c.	Non essential	Non essential	
1150 Financial institution managers and directors	Non essential	Non essential	
1161 Managers and directors in transport and distribut	Non essential	Other transport workers	
1162 Managers and directors in storage and warehousi	other essential worker	Food retail and distribution	
1171 Officers in armed forces	other essential worker	Non essential	
1172 Senior police officers	other essential worker	Police and protective services	
1173 Senior officers in fire, ambulance, prison and rela	other essential worker	Police and protective services	
1181 Health services and public health managers and d	Healthcare Workers	Health associate professionals	
1184 Social services managers and directors	Social and Educational	Social care	
1190 Managers and directors in retail and wholesale	Other essential worker	Food retail and distribution	
1211 Managers and proprietors in agriculture and horti	other essential worker	Food production	
1213 Managers and proprietors in forestry, fishing and	other essential worker	Food production	
1221 Hotel and accommodation managers and proprie	Non essential	Non essential	
1223 Restaurant and catering establishment managers	Non essential	Non essential	
1224 Publicans and managers of licensed premises	Non essential	Non essential	
1225 Leisure and sports managers	Non essential	Non essential	
1226 Travel agency managers and proprietors	Non essential	Non essential	
1241 Health care practice managers	Non essential	Health associate professionals	
1242 Residential, day and domiciliary care managers a	Non essential	Social care	
1251 Property, housing and estate managers	Non essential	Non essential	
1252 Garage managers and proprietors	Non essential	Non essential	

1253	Hairdressing and beauty salon managers and proprietors	Non essential	Non essential
1254	Shopkeepers and proprietors – wholesale and retail	Non essential	Food retail and distribution
1255	Waste disposal and environmental services managers	Non essential	Non essential
1259	Managers and proprietors in other services n.e.c.	Non essential	Non essential
2111	Chemical scientists	Non essential	Non essential
2112	Biological scientists and biochemists	Non essential	Non essential
2113	Physical scientists	Non essential	Non essential
2114	Social and humanities scientists	Non essential	Non essential
2119	Natural and social science professionals n.e.c.	Non essential	Non essential
2121	Civil engineers	Non essential	Non essential
2122	Mechanical engineers	Non essential	Non essential
2123	Electrical engineers	Non essential	Non essential
2124	Electronics engineers	Non essential	Non essential
2126	Design and development engineers	Non essential	Non essential
2127	Production and process engineers	Non essential	Non essential
2129	Engineering professionals n.e.c.	Non essential	Non essential
2133	IT specialist managers	Non essential	Non essential
2134	IT project and programme managers	Non essential	Non essential
2135	IT business analysts, architects and systems designers	Non essential	Non essential
2136	Programmers and software development professionals	Non essential	Non essential
2137	Web design and development professionals	Non essential	Non essential
2139	Information technology and telecommunications professionals	Non essential	Non essential
2141	Conservation professionals	Non essential	Non essential
2142	Environment professionals	Non essential	Non essential
2150	Air traffic controllers	Non essential	Non essential
2211	Medical practitioners	Healthcare Workers	Health professionals
2212	Psychologists	Healthcare Workers	Health professionals
2213	Pharmacists	Healthcare Workers	Health professionals
2214	Ophthalmic opticians	Healthcare Workers	Health associate professionals
2215	Dental practitioners	Healthcare Workers	Health associate professionals
2216	Veterinarians	Non essential	Non essential
2217	Medical radiographers	Non essential	Health associate professionals
2218	Podiatrists	Non essential	Health associate professionals

2219 Health professionals n.e.c.	Non essential	Health associate professionals
2221 Physiotherapists	Non essential	Health associate professionals
2222 Occupational therapists	Non essential	Health associate professionals
2223 Speech and language therapists	Non essential	Health associate professionals
2229 Therapy professionals n.e.c.	Non essential	Non essential
2231 Nurses	Healthcare Workers	Health associate professionals
2232 Midwives	Healthcare Workers	Health associate professionals
2311 Higher education teaching professionals	Non essential	Education
2312 Further education teaching professionals	Non essential	Education
2314 Secondary education teaching professionals	Social and Educational	Education
2315 Primary and nursery education teaching professionals	Social and Educational	Education
2316 Special needs education teaching professionals	Social and Educational	Education
2317 Senior professionals of educational establishments	Non essential	Education
2318 Education advisers and school inspectors	Non essential	Education
2319 Teaching and other educational professionals n.e.c.	Non essential	Education
2412 Barristers and judges	Non essential	Non essential
2413 Solicitors	Non essential	Non essential
2419 Legal professionals n.e.c.	Non essential	Non essential
2421 Chartered and certified accountants	Non essential	Non essential
2423 Management consultants and business analysts	Non essential	Non essential
2424 Business and financial project management professionals	Non essential	Non essential
2425 Actuaries, economists and statisticians	Non essential	Non essential
2426 Business and related research professionals	Non essential	Non essential
2429 Business, research and administrative professionals	Non essential	Non essential
2431 Architects	Non essential	Non essential
2432 Town planning officers	Non essential	Non essential
2433 Quantity surveyors	Non essential	Non essential
2434 Chartered surveyors	Non essential	Non essential
2435 Chartered architectural technologists	Non essential	Non essential
2436 Construction project managers and related professionals	Non essential	Non essential
2442 Social workers	Social and Educational	Social care
2443 Probation officers	Other essential worker	Non essential
2444 Clergy	Social and Educational	Social care

2449 Welfare professionals n.e.c.	Social and Educational	Social care
2451 Librarians	Non essential	Non essential
2452 Archivists and curators	Non essential	Non essential
2461 Quality control and planning engineers	Non essential	Non essential
2462 Quality assurance and regulatory professionals	Non essential	Non essential
2463 Environmental health professionals	Non essential	Non essential
2471 Journalists, newspaper and periodical editors	Non essential	Non essential
2472 Public relations professionals	Non essential	Non essential
2473 Advertising accounts managers and creative direc	Non essential	Non essential
3111 Laboratory technicians	Non essential	Non essential
3112 Electrical and electronics technicians	Non essential	Non essential
3113 Engineering technicians	Non essential	Non essential
3114 Building and civil engineering technicians	Non essential	Non essential
3115 Quality assurance technicians	Non essential	Non essential
3116 Planning, process and production technicians	Non essential	Non essential
3119 Science, engineering and production technicians r	Non essential	Non essential
3121 Architectural and town planning technicians	Non essential	Non essential
3122 Draughtspersons	Non essential	Non essential
3131 IT operations technicians	Non essential	Non essential
3132 IT user support technicians	Non essential	Non essential
3213 Paramedics	Healthcare Workers	Health associate professionals
3216 Dispensing opticians	Healthcare Workers	Health associate professionals
3217 Pharmaceutical technicians	Healthcare Workers	Health associate professionals
3218 Medical and dental technicians	Healthcare Workers	Health associate professionals
3219 Health associate professionals n.e.c.	Healthcare Workers	Health associate professionals
3231 Youth and community workers	Social and Educational	Social care
3233 Child and early years officers	Social and Educational	Workers
3234 Housing officers	Social and Educational	Social care
3235 Counsellors	Social and Educational	Workers
3239 Welfare and housing associate professionals n.e.c	Social and Educational	Social care
3311 NCOs and other ranks	Other essential worker	Police and protective services
3312 Police officers (sergeant and below)	Other essential worker	Police and protective services
3313 Fire service officers (watch manager and below)	Other essential worker	Police and protective services

3314	Prison service officers (below principal officer)	Other essential worker	Police and protective services
3315	Police community support officers	Other essential worker	Non essential
3319	Protective service associate professionals n.e.c.	Other essential worker	Police and protective services
3411	Artists	Non essential	Non essential
3412	Authors, writers and translators	Non essential	Non essential
3413	Actors, entertainers and presenters	Non essential	Non essential
3414	Dancers and choreographers	Non essential	Non essential
3415	Musicians	Non essential	Non essential
3416	Arts officers, producers and directors	Non essential	Non essential
3417	Photographers, audio-visual and broadcasting eq	Non essential	Non essential
3421	Graphic designers	Non essential	Non essential
3422	Product, clothing and related designers	Non essential	Non essential
3441	Sports players	Non essential	Non essential
3442	Sports coaches, instructors and officials	Non essential	Non essential
3443	Fitness instructors	Non essential	Non essential
3511	Air traffic controllers	Non essential	Non essential
3512	Aircraft pilots and flight engineers	Non essential	Non essential
3513	Ship and hovercraft officers	Non essential	Non essential
3520	Legal associate professionals	Non essential	Non essential
3531	Estimators, valuers and assessors	Non essential	Non essential
3532	Brokers	Non essential	Non essential
3533	Insurance underwriters	Non essential	Non essential
3534	Finance and investment analysts and advisers	Non essential	Non essential
3535	Taxation experts	Non essential	Non essential
3536	Importers and exporters	Non essential	Non essential
3537	Financial and accounting technicians	Non essential	Non essential
3538	Financial accounts managers	Non essential	Non essential
3539	Business and related associate professionals n.e.c	Non essential	Non essential
3541	Buyers and procurement officers	Non essential	Non essential
3542	Business sales executives	Non essential	Non essential
3543	Marketing associate professionals	Non essential	Non essential
3544	Estate agents and auctioneers	Non essential	Non essential
3545	Sales accounts and business development manag	Non essential	Non essential

3546	Conference and exhibition managers and organisers	Non essential	Non essential
3550	Conservation and environmental associate professionals	Non essential	Non essential
3561	Public services associate professionals	Non essential	Non essential
3562	Human resources and industrial relations officers	Non essential	Non essential
3563	Vocational and industrial trainers and instructors	Non essential	Non essential
3564	Careers advisers and vocational guidance specialists	Non essential	Non essential
3565	Inspectors of standards and regulations	Non essential	Non essential
3567	Health and safety officers	Non essential	Non essential
4112	National government administrative occupations	Non essential	Non essential
4113	Local government administrative occupations	Non essential	Non essential
4114	Officers of non-governmental organisations	Non essential	Non essential
4121	Credit controllers	Non essential	Non essential
4122	Book-keepers, payroll managers and wages clerks	Non essential	Non essential
4123	Bank and post office clerks	Non essential	Non essential
4124	Finance officers	Non essential	Non essential
4129	Financial administrative occupations n.e.c.	Non essential	Non essential
4131	Records clerks and assistants	Non essential	Non essential
4132	Pensions and insurance clerks and assistants	Non essential	Non essential
4133	Stock control clerks and assistants	Non essential	Non essential
4134	Transport and distribution clerks and assistants	Non essential	Non essential
4135	Library clerks and assistants	Non essential	Non essential
4138	Human resources administrative occupations	Non essential	Non essential
4151	Sales administrators	Non essential	Non essential
4159	Other administrative occupations n.e.c.	Non essential	Non essential
4161	Office managers	Non essential	Non essential
4162	Office supervisors	Non essential	Non essential
4211	Medical secretaries	Healthcare Workers	Support staff
4212	Legal secretaries	Non essential	Non essential
4213	School secretaries	Non essential	Non essential
4214	Company secretaries	Non essential	Non essential
4215	Personal assistants and other secretaries	Non essential	Non essential
4216	Receptionists	Non essential	Non essential
4217	Typists and related keyboard occupations	Non essential	Non essential

5111 Farmers	Other essential worker	Food production
5112 Horticultural trades	Other essential worker	Food production
5113 Gardeners and landscape gardeners	Non essential	Non essential
5114 Groundsmen and greenkeepers	Non essential	Non essential
5119 Agricultural and fishing trades n.e.c.	Other essential worker	Food production
5211 Smiths and forge workers	Non essential	Non essential
5212 Moulders, core makers and die casters	Non essential	Non essential
5213 Sheet metal workers	Non essential	Non essential
5214 Metal plate workers, and riveters	Non essential	Non essential
5215 Welding trades	Non essential	Non essential
5216 Pipe fitters	Non essential	Non essential
5221 Metal machining setters and setter-operators	Non essential	Non essential
5222 Tool makers, tool fitters and markers-out	Non essential	Non essential
5223 Metal working production and maintenance fitter	Non essential	Non essential
5224 Precision instrument makers and repairers	Non essential	Non essential
5225 Air-conditioning and refrigeration engineers	Non essential	Non essential
5231 Vehicle technicians, mechanics and electricians	Non essential	Non essential
5232 Vehicle body builders and repairers	Non essential	Non essential
5234 Vehicle paint technicians	Non essential	Non essential
5235 Aircraft maintenance and related trades	Non essential	Non essential
5236 Boat and ship builders and repairers	Non essential	Non essential
5237 Rail and rolling stock builders and repairers	Non essential	Non essential
5241 Electricians and electrical fitters	Non essential	Non essential
5242 Telecommunications engineers	Non essential	Non essential
5244 TV, video and audio engineers	Non essential	Non essential
5245 IT engineers	Non essential	Non essential
5249 Electrical and electronic trades n.e.c.	Non essential	Non essential
5250 Skilled metal, electrical and electronic trades supr	Non essential	Non essential
5311 Steel erectors	Non essential	Non essential
5312 Bricklayers and masons	Non essential	Non essential
5313 Roofers, roof tilers and slaters	Non essential	Non essential
5314 Plumbers and heating and ventilating engineers	Non essential	Non essential
5315 Carpenters and joiners	Non essential	Non essential

5316	Glaziers, window fabricators and fitters	Non essential	Non essential
5319	Construction and building trades n.e.c.	Non essential	Non essential
5321	Plasterers	Non essential	Non essential
5322	Floorers and wall tilers	Non essential	Non essential
5323	Painters and decorators	Non essential	Non essential
5330	Construction and building trades supervisors	Non essential	Non essential
5411	Weavers and knitters	Non essential	Non essential
5412	Upholsterers	Non essential	Non essential
5413	Footwear and leather working trades	Non essential	Non essential
5414	Tailors and dressmakers	Non essential	Non essential
5419	Textiles, garments and related trades n.e.c.	Non essential	Non essential
5421	Pre-press technicians	Non essential	Non essential
5422	Printers	Non essential	Non essential
5423	Print finishing and binding workers	Non essential	Non essential
5431	Butchers	Other essential worker	Food retail and distribution
5432	Bakers and flour confectioners	Other essential worker	Food retail and distribution
5433	Fishmongers and poultry dressers	Other essential worker	Food retail and distribution
5434	Chefs	Non essential	Non essential
5435	Cooks	Non essential	Non essential
5436	Catering and bar managers	Non essential	Non essential
5441	Glass and ceramics makers, decorators and finish	Non essential	Non essential
5442	Furniture makers and other craft woodworkers	Non essential	Non essential
5443	Florists	Non essential	Non essential
5449	Other skilled trades n.e.c.	Non essential	Non essential
6121	Nursery nurses and assistants	Social and educational	Education
6122	Childminders and related occupations	Non essential	Non essential
6123	Playworkers	Non essential	Non essential
6125	Teaching assistants	Non essential	Education
6126	Educational support assistants	Social and educational	Non essential
6131	Veterinary nurses	Non essential	Non essential
6132	Pest control officers	Non essential	Non essential
6139	Animal care services occupations n.e.c.	Non essential	Non essential
6141	Nursing auxiliaries and assistants	Healthcare workers	Support staff

6142 Ambulance staff (excluding paramedics)	Healthcare workers	Support staff
6143 Dental nurses	Non essential	Health associate professionals
6144 Houseparents and residential wardens	Healthcare workers	Social care
6145 Care workers and home carers	Healthcare workers	Social care
6146 Senior care workers	Non essential	Social care
6147 Care escorts	Non essential	Social care
6148 Undertakers, mortuary and crematorium assistants	Social and educational	Social care
6211 Sports and leisure assistants	Non essential	Non essential
6212 Travel agents	Non essential	Non essential
6214 Air travel assistants	Non essential	Non essential
6215 Rail travel assistants	Other essential worker	Other transport workers
6219 Leisure and travel service occupations n.e.c.	Non essential	Non essential
6221 Hairdressers and barbers	Non essential	Non essential
6222 Beauticians and related occupations	Non essential	Non essential
6231 Housekeepers and related occupations	Non essential	Non essential
6232 Caretakers	Social and educational	Social care
6240 Cleaning and housekeeping managers and supervisors	Non essential	Non essential
7111 Sales and retail assistants	Other essential worker	Food retail and distribution
7112 Retail cashiers and check-out operators	Other essential worker	Food retail and distribution
7113 Telephone salespersons	Non essential	Non essential
7114 Pharmacy and other dispensing assistants	Non essential	Support staff
7115 Vehicle and parts salespersons and advisers	Non essential	Non essential
7121 Collector salespersons and credit agents	Non essential	Non essential
7122 Debt, rent and other cash collectors	Non essential	Non essential
7123 Roundspersons and van salespersons	Non essential	Non essential
7124 Market and street traders and assistants	Non essential	Non essential
7125 Merchandisers and window dressers	Non essential	Non essential
7129 Sales related occupations n.e.c.	Non essential	Non essential
7130 Sales supervisors	Non essential	Non essential
7211 Call and contact centre occupations	Non essential	Non essential
7213 Telephonists	Non essential	Non essential
7214 Communication operators	Non essential	Non essential
7215 Market research interviewers	Non essential	Non essential

7219 Customer service occupations n.e.c.	Non essential	Non essential
7220 Customer service managers and supervisors	Non essential	Non essential
8111 Food, drink and tobacco process operatives	Other essential worker	Food production
8112 Glass and ceramics process operatives	Non essential	Non essential
8113 Textile process operatives	Non essential	Non essential
8114 Chemical and related process operatives	Non essential	Non essential
8115 Rubber process operatives	Non essential	Non essential
8116 Plastics process operatives	Non essential	Non essential
8117 Metal making and treating process operatives	Non essential	Non essential
8118 Electroplaters	Non essential	Non essential
8119 Process operatives n.e.c.	Non essential	Non essential
8121 Paper and wood machine operatives	Non essential	Non essential
8122 Coal mine operatives	Non essential	Non essential
8123 Quarry workers and related operatives	Non essential	Non essential
8124 Energy plant operatives	Non essential	Non essential
8125 Metal working machine operatives	Non essential	Non essential
8126 Water and sewerage plant operatives	Non essential	Non essential
8127 Printing machine assistants	Non essential	Non essential
8129 Plant and machine operatives n.e.c.	Non essential	Non essential
8131 Assemblers (electrical and electronic products)	Non essential	Non essential
8132 Assemblers (vehicles and metal goods)	Non essential	Non essential
8133 Routine inspectors and testers	Non essential	Non essential
8134 Weighers, graders and sorters	Non essential	Non essential
8135 Tyre, exhaust and windscreen fitters	Non essential	Non essential
8137 Sewing machinists	Non essential	Non essential
8139 Assemblers and routine operatives n.e.c.	Non essential	Non essential
8141 Scaffolders, staggers and riggers	Non essential	Non essential
8142 Road construction operatives	Non essential	Non essential
8143 Rail construction and maintenance operatives	Non essential	Non essential
8149 Construction operatives n.e.c.	Non essential	Non essential
8211 Large goods vehicle drivers	Other essential worker	Other transport workers
8212 Van drivers	Other essential worker	Van drivers
8213 Bus and coach drivers	Other essential worker	Bus and coach drivers

8214 Taxi and cab drivers and chauffeurs	Other essential worker	Taxi and cab drivers and chauffeurs
8215 Driving instructors	Non essential	Non essential
8221 Crane drivers	Non essential	Non essential
8222 Fork-lift truck drivers	Non essential	Non essential
8223 Agricultural machinery drivers	Non essential	Non essential
8229 Mobile machine drivers and operatives n.e.c.	Non essential	Non essential
8231 Train and tram drivers	Other essential worker	Other transport workers
8232 Marine and waterways transport operatives	Non essential	Non essential
8233 Air transport operatives	Non essential	Non essential
8234 Rail transport operatives	Other essential worker	Other transport workers
8239 Other drivers and transport operatives n.e.c.	Non essential	Non essential
9111 Farm workers	Other essential worker	Food production
9112 Forestry workers	Non essential	Non essential
9119 Fishing and other elementary agriculture occupat	Other essential worker	Food production
9120 Elementary construction occupations	Non essential	Non essential
9132 Industrial cleaning process occupations	Non essential	Non essential
9134 Packers, bottlers, canners and fillers	Non essential	Non essential
9139 Elementary process plant occupations n.e.c.	Non essential	Non essential
9211 Postal workers, mail sorters, messengers and cou	Other essential worker	Other transport workers
9219 Elementary administration occupations n.e.c.	Non essential	Non essential
9231 Window cleaners	Other essential worker	Sanitary workers
9232 Street cleaners	Other essential worker	Sanitary workers
9233 Cleaners and domestics	Other essential worker	Sanitary workers
9234 Launderers, dry cleaners and pressers	Non essential	Non essential
9235 Refuse and salvage occupations	Other essential worker	Sanitary workers
9236 Vehicle valeters and cleaners	Non essential	Non essential
9239 Elementary cleaning occupations n.e.c.	Other essential worker	Sanitary workers
9241 Security guards and related occupations	Non essential	Non essential
9242 Parking and civil enforcement occupations	Non essential	Non essential
9244 School midday and crossing patrol occupations	Non essential	Non essential
9249 Elementary security occupations n.e.c.	Non essential	Non essential
9251 Shelf fillers	Other essential worker	Food retail and distribution
9259 Elementary sales occupations n.e.c.	Other essential worker	Food retail and distribution

9260 Elementary storage occupations	Non essential	Non essential
9271 Hospital porters	Other essential worker	Support staff
9272 Kitchen and catering assistants	Non essential	Non essential
9273 Waiters and waitresses	Non essential	Non essential
9274 Bar staff	Non essential	Non essential
9275 Leisure and theme park attendants	Non essential	Non essential
9279 Other elementary services occupations n.e.c.	Non essential	Non essential