



International Labour Organization
Organisation internationale du Travail
Organización Internacional del Trabajo

*Updating the
International Standard Classification of Occupations (ISCO)*

Draft ISCO-08 Group Definitions:

Occupations in Health

Updated 3 April 2009

ISCO-08 Draft Definitions – Health, 3 April 2008

Main changes made to previous draft

1. Changes made to some lead statements in line with WHO suggestions.
2. Removal of reference in 2211 to inoculating patients against communicable diseases for work performed by nurses. (Comment from Spain).
3. 2212 Tasks of providing information to patients' families added based on comment from Spain.
4. Added notes to 2212, 2221, 2222 clarifying combination of education and research with clinical practice.
5. Clarification that traditional midwives are to be classified in 3222.
6. Changes made to “included and excluded” occupations in 532 to reflect OECD concern, supported strongly by TEG/ISCO that 5321 focus on those who provide personal care to patients.
7. Limited reference made in ‘Notes’ to qualifications and training typically required where this helps to distinguish between occupations within the same major group.

Issues for further consideration

1. Definitions for outstanding sub-major and minor groups will be prepared once all unit group definitions have been completed
2. Oral and maxillo facial surgeons – 2212 or 2261. One country has proposed 2212 others have not specifically identified this as an issue. In WHO comments they were left in 2261 and they remains in 2261 in the current draft. Any views on this issue would be appreciated.

ISCO 08 Code

1342

Title EN**Health service managers****Lead Statement**

Health service managers plan, ~~organise~~, direct and coordinate, ~~control and coordinate medical and the provision of clinical and community~~ health care services in hospitals, clinics, public health agencies and similar organizations.

Task statement

Tasks include:

- (a) providing overall direction and management for the service, facility, organisation or centre;
- (b) directing, supervising and evaluating the work activities of medical, nursing, technical, clerical, service, maintenance, and other personnel;
- (c) establishing objectives and evaluative or operational criteria for units they manage;
- (d) directing or conducting recruitment, hiring and training of personnel;
- (e) developing, implementing and monitoring procedures, policies and standards for medical, nursing, technical and administrative staff;
- (f) monitoring the use of diagnostic services, inpatient beds, facilities, and staff to ensure effective use of resources and assess the need for additional staff, equipment, and services;
- (g) controlling administrative operations such as budget planning, report preparation and expenditure on supplies, equipment and services;
- (h) liaising with other health and welfare service providers, boards and funding bodies to coordinate the provision of services;
- (i) advising government bodies about measures to improve health and welfare services and facilities;
- (j) representing the organisation in negotiations, and at conventions, seminars, public hearings and forums.

Included occupations

- Medical aAdministrator
- Clinical Director
- Director of nNursing
- Hospital Matron
- Community health care coordinator

Excluded occupations

__Aged care service manager - 1343

Notes**Comments****ISCO 88 Code(s)**

1229, part - 1319, part - 2230, part

ISCO 08 Code

1343

Title EN**Aged care service managers****Lead Statement**

Aged care service managers plan, ~~organise~~, direct, ~~control~~ and coordinate the provision of residential and personal care services for individuals and families who are in need of such services due to the effects of ageing. ~~the elderly in the community and in nursing homes, retirement villages and similar aged care facilities.~~

Task statement

Tasks include:

- (a) providing overall direction and management for ~~the~~ service, facility, organization or centre;
- (b) directing, supervising and evaluating the work activities of medical, nursing, technical, clerical, service, maintenance, and other personnel;
- (c) establishing objectives and evaluative or operational criteria for units they manage;
- (d) directing or conducting recruitment, hiring and training of personnel;
- (e) developing, implementing and monitoring procedures, policies and standards for nursing, personal care, technical, and administrative staff;
- (f) coordinating and administering welfare programs and care services for the elderly;
- (g) controlling administrative operations such as budget planning, report preparation, expenditure on supplies, equipment and services;
- (h) liaising with other health and welfare providers, boards and funding bodies to coordinate the provision of services;
- (i) advising government bodies about measures to improve health and welfare services and facilities;
- (j) representing the organisation in negotiations, and at conventions, seminars, public hearings and forums.

Included occupations

- ~~- Aged care home director~~ Medical Administrator (Aus) / Medical Superintendent (NZ)
- ~~- Nursing home Clinical Director~~
- ~~- Retirement village coordinator~~ Primary Health Organisation Manager
- ~~- Community aged care coordinator~~ Welfare Centre Manager
- ~~Health and Welfare Services Managers nec~~

Excluded occupations

- ~~Nurse Managers are excluded from this unit group. Nurse Managers are included in Unit Group 2543~~
~~Nurse Managers:~~
- ~~- Health service manager~~

Notes**Comments**

Def from ANZSCO 1342 and USSOC 11-9111

ISCO 88 Code(s)

1229, part - 1319, part

ISCO 08 Code

22

Title EN

Health professionals

Lead Statement

Task statement

Included occupations

Excluded occupations

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code
221
Title EN
Medical doctors

Lead Statement

Medical doctors diagnose and treat human physical and mental illnesses, disorders and injuries, and recommend preventive action, based on the scientific principles of modern medicine. They may specialise in certain disease categories or methods of treatment, or assume responsibility for the provision of continuing and comprehensive medical care to individuals, families and communities. Medical doctors apply the principles and procedures of modern medicine in preventing, diagnosing, caring for and treating illness, disease and injury in humans and the maintenance of physical and mental health. They may supervise the implementation of care and treatment plans by other health care providers, and conduct medical education and research activities.

Task statement

Tasks performed usually include: conducting examinations and questioning patients to determine the nature of disorders or illnesses; ordering tests, and analysing findings; prescribing and administering treatments, medications and other remedial measures; performing surgery and other clinical procedures; monitoring – patients’ progress and response to treatment; ~~inoculating patients against communicable diseases~~; advising on diet, exercise and other habits which aid prevention or treatment of disease and disorders; providing pre-natal and post-natal care and during childbirth; referring patients to, and exchanging medical information with other health professionals; reporting births, deaths and notifiable diseases to government authorities; arranging the admission of patients to hospital; conducting research into human disorders and illnesses and preventive or curative methods.

Included occupations

Excluded occupations

Notes

Comments

~~Upgraded, proposed by WHO, 2221~~

ISCO 88 Code(s)

ISCO 08 Code

2211

Title EN

Generalist medical practitioners**Lead Statement**

Generalist medical practitioners prevent, diagnose and treat human physical and mental illnesses, disorders, disease and injuries in humans, ~~and recommend preventive action, based on~~ by applying the scientific principles of modern medicine. They do not limit their practice to certain disease categories or methods of treatment and may be employed as medical officers or interns in a hospital or other institutional setting, or assume responsibility for the provision of continuing and comprehensive medical care to individuals and families as general practitioners working in a community setting.

Task statement

Tasks include:—

- (a) conducting examinations and questioning patients to determine the nature of disorders or illnesses and recording patients' medical information;
- (b) ordering laboratory tests, X-rays and other diagnostic procedures and analysing findings;
- (c) providing overall care for patients and prescribing and administering treatments, medications and other remedial measures;
- (d) performing surgery and other clinical procedures in the absence of a specialist surgeon;
- (e) monitoring patients' progress and response to treatment;
- ~~(f)~~ inoculating patients against communicable diseases;
- ~~(g)~~ (f) advising on diet, exercise and other habits which aid prevention or treatment of disease and disorders;
- ~~(h)~~ (g) providing pre-natal and post-natal care;
- ~~(i)~~ (h) referring patients to, and exchanging medical information with, specialists and other health professionals;
- ~~(j)~~ (i) reporting births, deaths and notifiable diseases to government authorities;
- ~~(k)~~ (j) arranging the admission of patients to hospital.
- (k) providing information to patients and families about treatment and care.

Included occupations

Examples of the occupations classified here:

- Medical doctor (general)
- Medical officer (general)
- General practitioner
- Medical intern
- Resident medical officer specializing in general practice
- Physician (general)
- District medical doctor - therapist
- Primary health care physician
- Family medical practitioner

Excluded occupations

- Specialist physician -- 2212
- Surgeon -- 2212
- Psychiatrist -- 2212
- Clinical officer -- 2240
- Feldscher - 2240

Notes

~~Although in some countries 'general practitioner' may be considered as a specialisation, this occupation should always be classified in unit group 2211, Generalist medical practitioners.~~
Occupations included in this category require completion of a university-level degree in basic medical education plus postgraduate clinical training or equivalent for competent performance. Medical interns who have completed their university education in basic medical education and are undertaking postgraduate clinical training are included here. Although in some countries 'general practice' and 'family medicine' may be considered as medical specialisations, these occupations should always be classified here.

Comments**ISCO 88 Code(s)**

2221, part

ISCO 08 Code

2212

Title EN

Specialist medical practitioners

Lead Statement

Specialist medical practitioners prevent, diagnose and treat human physical and mental illnesses, disease orders and injuries in humans using specialised testing, diagnostic, medical, and surgical, physical and psychological –techniques based on ~~based on~~ the scientific principles of modern medicine. They specialise in certain disease categories, types of patient or methods of treatment and may conduct medical education and research in their chosen areas of specialisation.

Task statement

Tasks include -

- (a) conducting examinations, considering notes provided by referring doctor, and questioning patients to determine the nature of disorders or illnesses and recording patients' medical information;
- (b) prescribing and administering specialised treatments, medications, anaesthetics;
- (c) psychotherapy, rehabilitation programmes and other remedial measures;
- (d) pPerforming surgery of a general or specialised nature;
- (e) providing specialised pre-natal and post-natal care and during childbirth;
- (f) referring patients to, and exchanging medical information with, other health professionals;
- (g) reporting births, deaths and notifiable diseases to government authorities;
- (h) arranging the admission of patients to hospital;
- (i) providing information to patients and families about treatment and care;
- (j) conducting research into human disorders and illnesses and preventive or curative methods and preparing scientific papers and reports.

Included occupations

Examples of the occupations classified here:

- Anaesthetist
- Emergency medicine specialist
- Ophthalmologist
- Obstetrician
- Gynaecologist
- Cardiologist
- Specialist physician (internal medicine)
- Paediatrician
- Pathologist
- Psychiatrist
- Radiologist
- Surgeon
- ~~Medical Registrar~~
- Preventive medicine specialist
- Resident medical officer in specialist training

Excluded occupations

- General practitioner - 2211
- Medical researcher - 2131
- Dental practitioner - 2261
- Dental surgeon - 2261
- Oral and maxillofacial surgeon - 2261
- Clinical psychologist - 2634

Notes

Medical registrars training as specialist medical practitioners are included in Unit group 2212, Specialist medical practitioners

Occupations included in this category require completion of a university-level degree in basic medical education plus postgraduate clinical training in a medical specialisation (except general practise) or equivalent. Resident medical officers training as specialist practitioners (except general practise) are included here. Although in some countries 'stomatology' may be considered as a medical specialisation, stomatologists should be included under Dentists-2261.

Comments

Medical practitioners who combine medical research with specialist medical practice are classified in Unit group 2212, Specialist medical practitioners. Medical researchers who do not undertake clinical practice are classified in Unit group 2131, Biologists, botanists, zoologists, and related professionals.

ISCO 88 Code(s)

2221, part -2212, part

ISCO 08 Code

222

Title EN

Nursing and midwifery professionals

Lead Statement

Nursing and midwifery professionals treat and [provide nursing](#) care for the physically or mentally ill, ~~the elderly~~, and mothers and their babies. –They assume responsibility for the planning and management of the care of patients, including the supervision of other health care workers, working [autonomously](#) in teams with medical doctors and others in the practical application of preventive and curative measures, ~~and dealing with emergencies as appropriate.~~

Task statement

Tasks performed usually include: assessing, planning, providing and evaluating nursing and midwifery care for patients according to accepted practice and standards; coordinating the care of patients in consultation with other health professionals and members of health teams; developing and implementing care plans for the biological, social, and psychological treatment of patients; providing personal care, treatments and therapies including medications, and monitoring responses to treatment or care plan; monitoring and alleviating pain and discomfort experienced by patients by administering drugs (including narcotics) or using other therapies; promoting health and assisting in the prevention of ill health by participating in health education and other health promotion activities; answering questions and providing information to patients and families about treatment and care; supervising and coordinating the work of other nursing and midwifery professionals, associate professional nurses and other health care workers; conducting ~~–research and preparing scientific papers and reports;~~ [-conducting nurse and midwifery education activities in clinical settings.](#)

Included occupations

Excluded occupations

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code

2221

Title EN

Nursing professionals

Lead Statement

Nursing professionals treat and provide care for people who are physically or mentally ill, or who are in need of care due to the effects of ageing, injury, illness or other physical or mental impairment. the elderly, the injured or physically or mentally disabled. They assume responsibility for the planning and management of the care of patients, including the supervision of other health care workers, working autonomously or in teams with medical doctors and others in the practical application of preventive and curative measures, dealing with emergencies as appropriate.

Task statement

Tasks include:—

- (a) assessing, planning, providing and evaluating nursing care for patients according to accepted practice and standards;
- (b) coordinating the care of patients in consultation with other health professionals and members of health teams;
- (c) developing and implementing care plans for the biological, social, and psychological treatment of patients;
- (d) providing personal care, treatments and therapies including medications, and monitoring responses to treatment or care plan;
- (e) cleaning wounds and applying surgical dressings and bandages
- (f) monitoring and alleviating pain and discomfort experienced by patients by administering drugs (including narcotics) or using other therapies;
- (g) promoting health and assisting in the prevention of ill health by participating in health education programmes and other health promotion activities;
- (h) answering questions and providing information to patients and families about treatment and care;
- (i) supervising and coordinating the work of other nursing professionals, associate professional nurses, personal care and other health care workers;
- (j) conducting research and preparing scientific papers and reports.
- (k) conducting nurse education activities in clinical nurse settings.

—Included occupations

—Examples of the occupations classified here:

- ~~___~~ ~~Nurse, P~~professional Nurse,
- ~~Nursing sister/ professional~~
- ~~___~~ ~~Specialist nurse~~
- ~~___~~ ~~Clinical nurse consultant~~
- District nurse
- Nurse practitioner
- Public health nurse
- Nurse anaesthetist
- Nurse educator

—Excluded occupations

—Some related occupations classified elsewhere:

- ~~___~~ ~~Nursing aide (hospital) - 5321~~
- ~~___~~ ~~Associate professional m~~Midwife ~~—, associate professional— 3222~~
- ~~___~~ ~~Professional m~~Midwife, ~~professional— 2222~~
- ~~___~~ ~~Nurse, a~~Associate professional nurse - 3231

- [Paramedical practitioner - 2240](#)
- [University lecturer - 2310](#)
- [Vocational education teacher - 2330](#)

Notes

The distinction between professional and associate professional nurses should be made on the basis of the nature of the work performed in relation to the tasks specified in this definition. The qualifications held by individuals or that predominate in the country are not the main factor in making this distinction, as training arrangements for nurses vary widely between countries and have varied over time within countries.

Nurses who combine nurse education or research with clinical nursing practice are classified in Unit group 2221, Nursing professionals. Nursing researchers who do not undertake clinical nursing practice are classified in Unit group 2131, Biologists, botanists, zoologists and related professionals.

Comments

~~Split group, supported by WHO~~

ISCO 88 Code(s)

2230, part

ISCO 08 Code

2222

Title EN

Midwifery professionals

Lead Statement

Midwifery professionals plan, manage, provide and evaluate midwifery care services before, during and after pregnancy and childbirth. They provide delivery care for reducing health risks to women and newborn children, working autonomously or in teams with other health care providers. ~~Midwifery professionals provide care and advice to women during pregnancy, labour and childbirth and the post natal period. They deliver babies working independently or in collaboration with medical doctors, nurses and other health care workers and provide advice and assistance to parents in relation to baby care.~~

Task statement

Tasks include:—

- (a) assessing, planning, providing and evaluating care for mothers and babies according to accepted practice and standards;
- (b) providing advice and support during pre-conception, intrapartum, antenatal and postnatal periods;
- (c) providing care and management of pregnancy and childbirth;
- (d) assessing progress during pregnancy and childbirth and recognising warning signs of abnormal and potentially abnormal pregnancies requiring referral to an Obstetrician or involvement of other health professionals;
- (e) monitoring the condition of women and foetuses during pregnancy, ~~and~~ throughout labour and post-partum;
- (f) monitoring pain and discomfort experienced before, during and after childbirth and alleviating pain using a variety of therapies, including the use of pain-killing drugs, if required;
- (g) conducting health education classes and seminars to promote the health of mothers and babies covering topics such as reproductive health, antenatal education, preparation for parenthood and breastfeeding;
- (h) providing advice to individuals and families on nutrition, childcare and family planning
- (i) conducting research and preparing scientific papers and reports;
- (j) conducting midwifery education activities in clinical settings.

Included occupations

—Examples of the occupations classified here:

- ~~Matron~~
- ~~Midwife, Professional~~ midwife
- ~~Nurse, professional~~
- ~~Sister, nursing/professional~~

Excluded occupations

—Some related occupations classified elsewhere:

- __ Aid, nursing/hospital - 5132
- __ Midwife, associate professional - 3232
- _ Nurse, associate professional - 3231

Notes

Midwives who combine midwifery education or research with clinical midwifery are classified in Unit group 2222, Midwifery professionals.

Comments

ISCO 88 Code(s)

2230, part

ISCO 08 Code

223

Title EN**Traditional and complementary medicine professionals****Lead Statement**

Traditional and complementary medicine professionals prevent, diagnose and treat human physical and mental illnesses, disorders and injuries using methods based on extensive study of specific cultural traditions and approaches towards medicine. Treatment and remedies provided may substitute or complement those based on the principles of modern medicine.

Task statement

Tasks performed usually include: assessing patients to diagnose the nature of the disorder, illness, problem or need by questioning, examining and observing; developing and implementing treatment plans using applications such as acupuncture, ayurvedic, homeopathic and herbal medicine; evaluating and documenting patients' progress through treatment plans; providing dietary and lifestyle advice and guidelines; prescribing natural medicines, such as herbal, mineral and animal extracts, to stimulate the body's capacity for self-healing; referring patients to, and exchanging medical information with, other health professionals and associate professionals; conducting research into human disorders and illnesses and preventive or curative methods and preparing papers and reports.

Included occupations**Excluded occupations****Notes****Comments****ISCO 88 Code(s)**

3421, 3229 part

ISCO 08 Code**2230****Title EN****Traditional and complementary medicine professionals****Lead Statement**

Traditional and complementary medicine professionals [prevent](#), diagnose and treat human physical and mental illnesses, disorders and injuries using methods based on extensive study of specific cultural traditions, [beliefs](#) and approaches towards medicine. –Treatment and remedies provided may substitute or complement those based on the principles of modern medicine.

Task statement

- (a) assessing patients to diagnose the nature of the disorder, illness, problem or need by questioning, examining and observing;
- (b) developing and implementing treatment plans using applications such as acupuncture, ayurvedic, homoeopathic and herbal medicine;
- (c) evaluating and documenting patients' progress through treatment plans ;
- (d) providing dietary and lifestyle advice and guidelines;
- (e) prescribing natural medicines, such as herbal, mineral and animal extracts, to stimulate the body's capacity for self-healing;
- (f) referring patients to, and exchanging medical information with, other health professionals and associate professionals;
- (g) conducting research into human disorders and illnesses and preventive or curative methods and preparing papers and reports.

Included occupations

- [Acupuncturist](#),
- [Ayurvedic practitioner](#)
- [Chinese herbal medicine practitioner](#),
- [Homeopath](#),
- [Naturopath](#),

Excluded occupations

- [Herbalist](#), - 3230
- [Witch doctor](#), - 3230
- [Village healer](#), - 3230
- [Scraping and cupping therapist](#). - 3230
- [Acupressure therapist](#) - 3255
- [Shiatsu therapist](#) - 3255
- [Hydrotherapist](#) - 3255
- [Chiropractor](#) - 3259
- [Osteopath](#) - 3259
- [Faith healer](#) - 5169

Notes

Occupations in traditional and complementary medicine whose practice requires an extensive understanding of the benefits and applications of traditional and complementary therapies, developed as the result of extended formal study of these techniques as well as human anatomy and elements of modern medicine, are classified in Unit group 2230, Traditional and complementary medicine professionals. Those whose practice requires a less extensive understanding based on relatively short periods of formal or informal education and training, or on knowledge passed on informally from generation to generation are included in Unit group 3230, Traditional and complementary medicine associate professionals.

[Practitioners working in the singular application of approaches to herbal medicines, spiritual therapies or manual therapeutic techniques are excluded from Unit group 2230.](#)

—Comments

ISCO 88 Code(s)

3241, 3229 part

ISCO 08 Code

224

Title EN

Paramedical practitioners

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Lead Statement

Paramedical practitioners provide advisory, diagnostic, curative and preventive medical services for humans more limited in scope and complexity than those carried out by medical doctors. -They work autonomously independently or with limited supervision of medical doctors, either in the field or in institutions; and may work mainly with diseases or disorders common in their region, or apply specific types of treatment apply advanced clinical procedures for treating and preventing diseases, injuries and other physical or mental impairments common to specific communities.

Task statement

Tasks performed usually include: conducting medical examinations and questioning patients to determine the nature of disorders or illnesses and recording patients' medical information; prescribing and administering treatments, medications and other remedial measures of a more restricted scope orand complexity than medical doctors; administering ~~or~~ ordering diagnostic tests, such as x-ray, electrocardiogram, and laboratory tests; performing therapeutic procedures, such as injections, immunizations, suturing and wound care, and infection management; performing less complex, routine or specific surgical and other clinical procedures, or assisting medical doctors with more complex procedures; monitoring patients' progress and response to treatment; inoculating persons against communicable diseases; advising on diet, exercise and other habits which aid prevention or treatment of disease and disorders; referring complex or unusual cases medical doctors, hospitals or other health workers if necessary and possible; reporting births, deaths and notifiable diseases to government authorities.

Included occupations

Excluded occupations

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code

2240

Title EN

Paramedical practitioners**Lead Statement**

Paramedical practitioners provide advisory, diagnostic, curative and preventive medical services for humans more limited in scope and complexity than those carried out by medical doctors. -They work autonomously, independently or with limited supervision of medical doctors, either in the field or in institutions; and may work mainly with diseases or disorders common in their region, or apply specific types of treatment, apply advanced clinical procedures for treating and preventing diseases, injuries and other physical or mental impairments common to specific communities.

Task statement

Tasks include:–

- (a) cConducting medical examinations and questioning patients to determine the nature of disorders or illnesses and recording patients' medical information;
- (b) pPrescribing and administering treatments, medications and other remedial measures of a more restricted scope and/or complexity than medical doctors;
- (c) Administering or ordering diagnostic tests, such as x-ray, electrocardiogram, and laboratory tests;
- (d) pPerforming therapeutic procedures, such as injections, immunizations, suturing and wound care, and infection management;
- (e) pPerforming less complex, routine or specific surgical and other clinical procedures, or assisting medical doctors with more complex procedures;
- (f) Monitoring patients' progress and response to treatment;
- (g) Inoculating persons against communicable diseases;
- (h) advising on diet, exercise and other habits which aid prevention or treatment of disease and disorders;
- (i) referring complex or unusual cases medical doctors, hospitals or other health workers if necessary and possible;
- (j) reporting births, deaths and notifiable diseases to government authorities.

Included occupations

- Clinical officer (paramedical)
- Surgical technician;
- Feldscher
- Primary care paramedic
- Advanced care paramedic

Excluded occupations

- Emergency paramedic - 3258
- Medical assistant - 3256
- General practitioner - 2211
- Surgeon - 2212

Notes

Occupations included in this category normally require completion of tertiary-level training in theoretical and practical medical services. Workers providing services limited to emergency treatment and ambulance practice are classified in unit group 3258. Ambulance workers.

Comments**ISCO 88 Code(s)**

3221, part

ISCO 08 Code
225
Title EN
Veterinarians

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Lead Statement

Veterinarians diagnose, prevent and treat diseases, injuries and dysfunctions of animals. They may provide care to a wide range of animals or specialise in the treatment of a particular animal group or in a particular specialty area, or provide professional services to commercial firms producing biological and pharmaceutical products

Task statement

Tasks performed usually include: determining the presence and nature of abnormal conditions by physical examination, laboratory testing and through diagnostic imaging techniques including radiography and ultrasound; treating animals medically and surgically, and administering and prescribing drugs, analgesics, and general and local anaesthetics; performing surgery, dressing wounds and setting broken bones; rendering obstetric services to animals; participating in programs designed to prevent the occurrence and spread of animal diseases; inoculating animals against, and testing for, infectious diseases and notifying authorities of outbreaks of infectious animal diseases; performing autopsies to determine cause of death; advising clients on health, nutrition and feeding, hygiene, breeding and care of animals

Included occupations

Excluded occupations

Notes

Comments

New minor group created to allow provision of data on human health occupations at minor group level

ISCO 88 Code(s)

2223

ISCO 08 Code
2250
Title EN
Veterinarians

Lead Statement

Veterinarians diagnose, prevent and treat diseases, injuries and dysfunctions of animals. They may provide care to a wide range of animals or specialise in the treatment of a particular animal group or in a particular specialty area, or provide professional services to commercial firms producing biological and pharmaceutical products.

Task Statement

Tasks include:

- (a) determining the presence and nature of abnormal conditions by physical examination, laboratory testing and through diagnostic imaging techniques including radiography and ultrasound;
- (b) treating animals medically and surgically, and administering and prescribing drugs, analgesics, and general and local anaesthetics;
- (c) performing surgery, dressing wounds and setting broken bones;
- (d) rendering obstetric services to animals;
- (e) participating in programs designed to prevent the occurrence and spread of animal diseases;
- (f) inoculating animals against, and testing for, infectious diseases and notifying authorities of outbreaks of infectious animal diseases;
- (g) performing autopsies to determine cause of death;
- (h) advising clients on health, nutrition and feeding, hygiene, breeding and care of animals.

-Included occupations

-Examples of the occupations classified here:

- Veterinarian
- Veterinary surgeon
- Veterinary intern
- [Animal pathologist](#)
- [Veterinary epidemiologist](#)

-Excluded occupations

-Notes

-Comments

-Moved, no change in content. Defn updated based on O*net and ANZSCO

-ISCO 88 Code(s)

-2223 - 2212, part

ISCO 08 Code

226

Title EN

Other health professionals

Lead Statement

Other health professionals provide health services related to dentistry, pharmacy, environmental health and hygiene, occupational health and safety, physiotherapy, nutrition, hearing, speech, vision and rehabilitation therapies. This minor group includes all human health professionals, except doctors, traditional and complementary medicine practitioners, veterinarians, nurses, midwives and paramedical professionals.

Task statement

Tasks performed may include: assessing patients or clients to determine the nature of the disorder, illness or problem; developing and implementing treatment plans and evaluating and documenting patients' progress; diagnosing and treating diseases, injuries and malformations of the teeth, mouth, jaws and associated tissues; storing, preserving, compounding testing and dispensing medicinal products and counselling on their proper use and adverse effects; assessing, planning and implementing programs to recognise, monitor and control environmental factors that can potentially affect human health, to improve or restore human motor functions, maximize movement ability, relieve pain syndromes, or to enhance the impact of food and nutrition on human health; diagnosing, managing and treating physical disorders affecting human hearing, communication or swallowing, or disorders of the eyes and visual system; advising clients about continued treatment and care and providing or arranging rehabilitation services; referring clients to or conferring with other health professionals or associate professionals if required.

Included occupations

Excluded occupations

Notes

Comments

This category is for all human health professionals, except doctors, traditional and complementary medicine practitioners, veterinarians, nurses, midwives -and paramedical professionals.

ISCO 88 Code(s)

ISCO 08 Code

2261

Title EN**Dentists****Lead Statement**

Dentists diagnose and treat diseases, injuries and malformations of the teeth, mouth, jaws, gums and associated tissues ~~related oral structures~~. They ~~restore normal oral function using a broad range of treatments, such as surgery and other specialist~~ use a broad range of specialized diagnostic, surgical and other techniques to promote and restore, and advise on oral health.

Task statement

Tasks include:—

- (a) diagnosing diseases, injuries, irregularities and malformations of teeth and associated structures in the mouth and jaw using a range of methods such as radiographs, salivary tests and medical histories;
- (b) providing preventative oral health care such as periodontal treatments, fluoride applications and oral health promotion;
- (c) administering anesthetics to limit the amount of pain experienced by patients during procedures;
- (d) providing restorative oral care such as implants, complex crown and bridge restorations, and orthodontics, and repairing damaged and decayed teeth;
- (e) providing surgical treatments such as extraction of teeth, biopsy of tissue and prescription of medication and performing orthodontic treatment;
- (f) measuring and taking impressions of patients' jaws and teeth in order to determine the shape and size of dental prostheses;
- (g) designing, making, and fitting prosthodontic appliances such as space maintainers, bridges, and dentures, or writing fabrication instructions or prescriptions for dental prosthetic technicians;
- (h) restoring oral function with removable and fixed oral prostheses;
- (i) assisting in diagnosing general diseases having oral manifestations such as diabetes;
- (j) educating patients to take care of their mouth and teeth.

Included occupations

Examples of the occupations classified here:

- D~~D~~entist
- Dental Practitioner
- Dental Surgeon
- Endodontist
- Oral and Maxillofacial Surgeon
- Oral Pathologist
- Orthodontist
- Paedodontist
- Periodontist
- Prosthodontist
- Stomatologist

Excluded occupations**Notes****Comments****ISCO 88 Code(s)**

—2222

ISCO 08 Code
2262
Title EN
Pharmacists

Lead Statement

~~Pharmacists compound and dispense medications following prescriptions issued by physicians, dentists, or other authorized health practitioners. They ensure safe and quality use of medicines, and optimise health outcomes by contributing to selecting, prescribing, monitoring and evaluating medicine therapy, and researching, testing and developing pharmaceuticals and medical products.~~
Pharmacists store, preserve, compound, test and dispense medicinal products and counsel on the proper use and adverse effects of drugs and medicines following prescriptions issued by medical doctors and other health professionals. They contribute to researching, preparing, prescribing and monitoring medicinal therapies for optimising human health.

Task statement

Tasks include:

- (a) receiving prescriptions, checking patients' medicine histories, and ensuring optimal dosage and methods of administration and drug compatibility before dispensing;
- (b) preparing or supervising the preparation and labelling of liquid medicines, ointments, powders, tablets and other medications to fill prescriptions;
- (c) ~~p~~Providing information and advice to prescribers and clients regarding drug interactions, incompatibility and contra-indications, side effects, dosage and proper medication storage;
- (d) ~~C~~ollaborating with other health care professionals to plan, monitor, review, and evaluate the quality and effectiveness of the medicine therapy of individual patients, and the effectiveness of particular drugs or therapies;
- (e) maintaining prescription files and recording issue of narcotics, poisons and habit-forming drugs;
- (f) storing and preserving vaccines, serums and other drugs subject to deterioration;
- (g) supplying non-prescription medicines, and diagnostic and therapeutic aids;
- (h) supervising and coordinating the work of pharmacy technicians, pharmacy interns and pharmacy ~~s~~Sales ~~a~~Assistants;
- (i) conducting research to develop and improve pharmaceuticals, cosmetics and related chemical products;
- (j) conferring with ~~C~~hemists, ~~e~~ngineering ~~p~~Professionals and other professionals about manufacturing techniques and ingredients;
- (k) testing and analysing drugs to determine their identity, purity and strength in relation to specified standards.

Included occupations

- Examples of the occupations classified here:
- Hospital pharmacist
- Industrial pharmacist
- Retail pharmacist
- [Dispensing chemist](#)

Excluded occupations

Some related occupations classified elsewhere:

- Pharmacologist - 2131
- [Pharmaceutical technician - 3213](#)

Notes

Comments

ISCO 88 Code(s)
2224

ISCO 08 Code

2263

Title EN**Environmental and occupational health and hygiene professionals****Lead Statement**

~~Environmental and occupational health and hygiene professionals evaluate work and other environments and develop and implement programs to monitor environmental health and occupational health and safety, to ensure safe and healthy working conditions, and prevent disease or injury caused by chemical, physical, radiological and biological agents or ergonomic factors.~~

Environmental and occupational health and hygiene professionals assess, plan and implement programs to recognise, monitor and control environmental factors that can potentially affect human health, to ensure safe and healthy working conditions, and to prevent disease or injury caused by chemical, physical, radiological and biological agents or ergonomic factors.

Task statement

Tasks include:

- (a) developing, implementing and reviewing programs and policies to promote environmental health and occupational health and safety;
- (b) preparing and implementing plans and strategies for the safe, economic and suitable disposal of commercial, industrial, medical and household wastes;
- (c) implementing prevention programs and strategies for communicable diseases, food safety, waste water treatment and disposal systems, recreation and domestic water quality, contaminated and hazardous substances;
- (d) identifying hazards, and assessing and controlling risks in the environment and workplace and advising on compliance with relevant law and regulations;
- (e) developing, implementing and monitoring programs to minimise workplace and environmental pollution involving chemical, physical and biological hazards;
- (f) prescribing methods to prevent, eliminate, control, or reduce the exposure of workers, patients, the public and/or the environment to radiological and other hazards;
- (g) promoting ergonomic principles within the workplace such as matching furniture, equipment and work activities to the needs of employees;
- (h) providing education, information, training, and advice to persons at all levels on aspects of occupational hygiene and environmental health;
- (i) recording and investigating injuries and equipment damage, and reporting safety performance;
- (j) coordinating arrangements for the compensation, rehabilitation and return to work of injured workers.

Included occupations

Examples of the occupations classified here:

- Environmental Health Officer
- Occupational Health and Safety Adviser
- Occupational Hygienist
- Radiation Protection Expert

Excluded occupations

- Specialist medical practitioner (public health) - 2212
- Specialist nurse (public health) - 2221
- Health inspector - 3257
- Sanitarian - 3257
- Occupational therapist - 2269
- Environmental protection professional - 2133
- Medical physicist - 2111

- [Occupational health and safety inspector - 3257](#)
- [Sanitary inspector - 3257](#)

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code
2264
Title EN
Physiotherapists

Lead Statement

~~Physiotherapists assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and decrease or prevent deformity of patients suffering from disease or injury. They use manipulative methods, and ultrasound, heating, laser or similar techniques~~
Physiotherapists assess, plan and implement rehabilitative programs that improve or restore human motor functions, maximize movement ability, relieve pain syndromes, and treat or prevent physical challenges associated with injuries, diseases and other impairments. They apply a broad range of physical therapies and techniques such as movement, ultrasound, heating, laser and other techniques.

Task statement

Tasks include:

- (a) administering muscle, nerve, joint and functional ability tests to identify and assess physical problems of patients;
- (b) designing treatment programs to address patients' problems;
- (c) treating patients to reduce pain, improve circulation, strengthen muscles, improve cardiothoracic, cardiovascular and respiratory functions, restore joint mobility, and improve balance and coordination;
- (d) using the therapeutic properties of exercise, heat, cold, massage, manipulation, hydrotherapy, electrotherapy, ultraviolet and infra-red light and ultrasound in the treatment of patients;
- (e) reviewing, continually monitoring, assessing and evaluating programs and treatments;
- (f) consulting with other Health Professionals as required about patients' problems, needs and progress;
- (g) instructing patients and their families in procedures to be continued at home;
- (h) recording treatments given and patients' responses and progress;
- (i) developing and implementing screening and preventative health promotion programs.

Included occupations

Examples of the occupations classified here:

- Physiotherapist
- Geriatric physical therapist.
- Paediatric physical therapist.
- Orthopaedic physical therapist

Excluded occupations

Some related occupations classified elsewhere:

- Acupressure therapist - 3255
- Shiatsu therapist - 3255
- Hydrotherapist - 3255
- Massage therapist - 3255
- Physiotherapy technician - 3255
- Occupational therapist - 2269
- Osteopath - 3259
- Chiropractor - 3259
- Podiatrist - 2269

Notes

Comments

Chiropractor, Podiatrist, Prosthetist, Prosthetic technician were moved to 2249 or 3239 as appropriate. Masseur to be moved to "Physiotherapy technician" or "beautician" depending on nature of work

performed.

ISCO 88 Code(s)
3226, part

ISCO 08 Code

2265

Title EN**Dieticians and nutritionists****Lead Statement**

~~Dieticians and nutritionists plan and conduct food service or nutritional programs to promote and maintain health and to prevent and treat illness and disease.~~

Dieticians and nutritionists assess, plan and implement programs to enhance the impact of food and nutrition on human health.

Task statement

Tasks include:

- (a) planning diets and menus, and instructing people on the requirements and importance of diet and on the planning and preparation of food;
- (b) supervising the preparation and serving of meals;
- (c) collecting, organising and assessing data relating to health and nutritional status of individuals, groups and communities;
- (d) monitoring food intake and quality to provide nutritional care;
- (e) calculating nutritional values of food served;
- (f) planning, conducting and evaluating nutrition intervention programs and compiling educational material;
- (g) providing nutrition assessments, nutrition management, and nutrition education, research and training;
- (h) consulting with other Health Professionals and related workers to manage the dietary and nutritional needs of patients.

Included occupations

Examples of the occupations classified here:

- ~~— Consultant, dietetic~~
- Clinical dietician
- Food service dietician
- ~~— Dietician~~
- ~~— Nutritionist~~
- Public health nutritionist
- Sports nutritionist

Excluded occupations**Notes****Comments****ISCO 88 Code(s)**

3223

ISCO 08 Code

2266

Title EN**Audiologists and speech therapists****Lead Statement**

~~Audiologists and speech therapists diagnose, assess, treat and provide rehabilitation services related to human hearing, speech and language disorders. They assess and treat people with communication disorders and physical problems associated with eating and swallowing.~~
Audiologists and speech therapists diagnose, manage and treat physical disorders affecting human hearing, communication and swallowing. They prescribe corrective devices or rehabilitative therapies for hearing loss, speech disorders, and related sensory and neural problems, and provide counselling on hearing safety and communication performance.

Task statement

Tasks include:

- (a) evaluating hearing and speech/language disorders to determine diagnoses and courses of treatment;
- (b) administering hearing or speech/language evaluations, tests, or examinations to patients to collect information on type and degree of impairment, using specialized instruments and electronic equipment;
- (c) interpreting audiometric test results alongside other medical, social and behavioural diagnostic data;
- (d) planning, directing and participating in counselling, speech reading and other rehabilitation programs;
- (e) recommending hearing aids and other assistive devices according to clients' needs and instructing them in their use;
- (f) planning and conducting programs of remedial exercise to correct disorders such as stuttering and abnormal articulation;
- (g) counselling and guiding hearing and/or language-handicapped individuals, their families, teachers and employers;
- (h) referring clients to additional medical or educational services if needed.

Included occupations

Examples of the occupations classified here:

- Audiologist
- Speech therapist,
Speech pathologist
Language therapist

Excluded occupations**Notes****Comments****ISCO 88 Code(s)**

3229, part

ISCO 08 Code

2267

Title EN**Optometrists and ophthalmic opticians****Lead Statement**

~~Optometrists and ophthalmic opticians perform eye examinations and vision tests, prescribe lenses, other optical aids and therapy, and diagnose and manage eye movement disorders and associated sensory problems.~~

Optometrists and ophthalmic opticians provide diagnosis management and treatment services for disorders of the eyes and visual system. They counsel on eye care and prescribe optical aids or other therapies for visual disturbance.

Task statement

Tasks include:

- (a) examining patients' eyes and setting tests to determine the nature and extent of vision problems and abnormalities;
- (b) assessing ocular health and visual function by measuring visual acuity and refractive error, and testing the function of visual pathways, visual fields, eye movements, freedom of vision and intraocular pressure, and performing other tests using special eye test equipment;
- (c) detecting, diagnosing and managing eye disease, and prescribing medications for the treatment of eye disease;
- (d) consulting with and referring patients to ophthalmologist or other health care practitioner if additional medical treatment is determined necessary;
- (e) diagnosing eye movement disorders and defects of binocular function;
- (f) prescribing lenses, contact lenses and low vision aids, and checking suitability and comfort;
- (g) prescribing exercises to coordinate movement and focusing of eyes;
- (h) managing programs for eye movement disorders, and instructing and counselling patients in the use of corrective techniques and eye exercises;
- (i) advising on visual health matters such as contact lens care, vision care for the elderly, optics, visual ergonomics, and occupational and industrial eye safety.

Included occupations

- Optometrist;
- Ophthalmic Optician;
- Orthoptist

Excluded occupations

- Dispensing optician - 3254
- Ophthalmologist - 2312

Notes**Comments****ISCO 88 Code(s)**

3224, part - 3229, part

ISCO 08 Code

2269

Title EN**Health professionals not elsewhere classified****Lead Statement**

This unit group covers health professionals not classified elsewhere in Sub-major group 22, *Health professionals*. For instance the group includes occupations such as Podiatrist, Occupational therapist and other health professionals.

Task statement

In such cases tasks would include:

- (a) assessing patients or clients to determine the nature of the disorder, illness or problem by questioning, examining and observing;
- (b) developing and implementing treatment plans and evaluating and documenting patients' progress through treatment plans;
- (c) assessing functional limitations of people resulting from illnesses and disabilities, and providing therapy to enable people to perform their daily activities and occupations;
- (d) assessing clients' emotional, psychological, developmental and physical capabilities using clinical observations and standardised tests;
- (e) assessing clients' functional potential in their home, leisure, work and school environments, and recommending environmental adaptations to maximise their performance;
- (f) planning and directing programs through the use of vocational, recreational, remedial, social, artistic and educational activities on an individual and group basis;
- (g) examining and treating foot disabilities caused by diseases such as diabetes, peripheral vascular disorders, rheumatoid arthritis and other neuropathies;
- (h) prescribing and arranging the fabrication of footwear to correct foot abnormalities;
- (i) performing minor surgery on the foot to remove and improve abnormal conditions;
- (j) advising patients-clients about continued treatment and care and providing or arranging rehabilitation services;
- (k) referring clients to or conferring with other health professionals or associate professionals if required.

Included occupations

Examples of the occupations classified here:

- Occupational therapist,
- Podiatrist,
- Arts therapist

Excluded occupations

- Recreational therapist - 3259

Notes**Comments**

~~Includes occupational therapists, podiatrists.~~ **Review definition once index is close to final**

ISCO 88 Code(s)

2229, part - 3229, part - 3226 part

ISCO 08 Code

32

Title EN

Health associate professionals

Lead Statement

Task statement

Included occupations

Excluded occupations

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code

321

Title EN

Medical and pharmaceutical technicians

Lead Statement

~~—Medical imaging and therapeutic equipment technicians operate radiographic, ultrasound and other medical imaging equipment to produce images of body structures for the diagnosis and treatment of injury and disease. They operate radiation therapy equipment to administer radiation treatment.~~

Task statement

~~—Tasks include:~~

- ~~(a) explaining procedures, observing and assisting patients to ensure safety and comfort during scan, or treatment;~~
- ~~(b) using radiation safety measures and protection devices to comply with and to ensure safety of patients and staff;~~
- ~~(c) positioning patients on examining table;~~
- ~~(d) position imaging or treatment equipment and adjusting controls to set exposure time and distance, according to specification;~~
- ~~(e) operating or overseeing operation of radiologic, ultrasound and magnetic imaging equipment to produce images of the body for diagnostic purposes;~~
- ~~(f) reviewing and evaluating developed x rays, video tape, or computer generated information to determine if images are satisfactory for diagnostic purposes and recording results of procedures;~~
- ~~(g) monitoring video display of area being scanned and adjusting density or contrast to improve picture quality;~~
- ~~(h) monitoring patients' conditions and reactions, reporting abnormal signs to medical~~
- ~~(i) calculating, measuring and recording radiation dosage or radiopharmaceuticals received, used and disposed, using computer and following prescription;~~
- ~~(j) detecting and mapping radiopharmaceuticals in patients' bodies, using a camera to produce photographic or computer images;~~
- ~~(k) administering radiopharmaceuticals or radiation to patients to detect or treat diseases, using radioisotope equipment;~~

~~disposing of radioactive materials and storing radiopharmaceuticals, following radiation safety procedures.~~

Included occupations

Excluded occupations

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code

3211

Title EN

Medical imaging and therapeutic equipment technicians

Lead Statement

~~Medical imaging and therapeutic equipment technicians operate radiographic, ultrasound and other medical imaging equipment to produce images of body structures for the diagnosis and treatment of injury and disease. They operate radiation therapy equipment to administer radiation treatment.~~

Medical imaging and therapeutic equipment technicians test and operate radiographic, ultrasound and other medical imaging equipment to produce images of body structures for the diagnosis and treatment of injury, disease and other impairments. They may administer radiation treatments to patients under the supervision of a radiologist or other health professional.

Task statement

Tasks include:

- (a) explaining procedures, observing and assisting patients to ensure safety and comfort during scan, or treatment;
- (b) using radiation safety measures and protection devices to comply with and to ensure safety of patients and staff;
- (c) positioning patients on examining table;
- (d) position imaging or treatment equipment and adjusting controls to set exposure time and distance, according to specification;
- (e) operating or overseeing operation of radiologic, ultrasound and magnetic imaging equipment to produce images of the body for diagnostic purposes;
- (f) reviewing and evaluating developed x-rays, video tape, or computer generated information to determine if images are satisfactory for diagnostic purposes and recording results of procedures;
- (g) monitoring video display of area being scanned and adjusting density or contrast to improve picture quality;
- (h) monitoring patients' conditions and reactions, reporting abnormal signs to medical practitioner;
- (i) calculating, measuring and recording radiation dosage or radiopharmaceuticals received, used and disposed, using computer and following prescription;
- (j) detecting and mapping radiopharmaceuticals in patients' bodies, using a camera to produce photographic or computer images;
- (k) administering radiopharmaceuticals or radiation to patients to detect or treat diseases, using radioisotope equipment;
- (l) disposing of radioactive materials and storing radiopharmaceuticals, following radiation safety procedures.

Included occupations

Examples of the occupations classified here:

- Diagnostic medical Diagnostic radiographer
- Medical radiation therapist
- Nuclear medicine technologist
- Sonographer
- Mammographer

Excluded occupations

Some related occupations classified elsewhere:

- Radiologist - 2212
- Medical physicist - 2111

Notes

-**Comments**

-**ISCO 88 Code(s)**

-3133

ISCO 08 Code**3212****Title EN****Medical and pathology laboratory technicians****Lead Statement**

~~Medical and pathology laboratory technicians perform laboratory tests for the diagnosis, treatment and prevention of disease, and for forensic purposes.~~

Medical and pathology laboratory technicians perform clinical tests on specimens of bodily fluids and tissues in order to get information about the health of a patient or cause of death.

Task statement

Tasks include:

- (a) conducting chemical analysis of body fluids, including blood, urine, and spinal fluid, to determine presence of normal and abnormal components;
- (b) operating, calibrating and maintaining equipment used in quantitative and qualitative analysis, such as spectrophotometers, calorimeters, flame photometers, and computer-controlled analyzers;
- (c) entering data from analysis of medical tests and clinical results into computer for storage and reporting results to medical practitioners and researchers;
- (d) analyzing samples of biological material for chemical content or reaction;
- (e) setting up, cleaning, and maintaining laboratory equipment;
- (f) analyzing laboratory findings to check the accuracy of the results;
- (g) establishing and monitoring programs to ensure the accuracy of laboratory results and developing, standardizing, evaluating, and modifying procedures, techniques and tests used in the analysis of specimens;
- (h) obtaining specimens, cultivating, isolating and identifying microorganisms for analysis;
- (i) examining cells stained with dye to locate abnormalities;
- (j) inoculating fertilized eggs, broths, or other bacteriological media with organisms.

Included occupations

Examples of the occupations classified here:

- Technician, blood-bank
- Technician, pathology
- Technician, medical laboratory

Excluded occupations

- [Pathologist - 2212](#)
- [Veterinary technician - 3240](#)

Notes**Comments**

moved from 3142

ISCO 88 Code(s)

3211, part

ISCO 08 Code

3213

Title EN**Pharmaceutical technicians and assistants****Lead Statement**

Pharmaceutical technicians and assistants perform a variety of tasks associated with dispensing and preparing medications, lotions and mixtures medicinal products under the guidance of a pharmacist, in pharmacies, hospitals and dispensaries, or other health professional.

Task statement

Tasks include:

- (a) preparing medications and other pharmaceutical compounds under the guidance of pharmacists;
- (b) dispensing medicines and drugs and giving written and oral instructions on their use, as prescribed by medical doctors, veterinarians or other authorised workers;
- (c) receiving written prescription or refill requests and verifying that information is complete and accurate;
- (d) maintaining proper storage and security conditions for drugs;
- (e) filling and labelling containers with prescribed medications;
- (f) assisting customers by answering questions, locating items or referring them to a pharmacist for medication information;
- (g) pricing and filing prescriptions that have been filled and establish and maintaining patient records, including lists of medications taken by individual patients;
- (h) ordering, labelling, and counting stock of medications, chemicals, and supplies, and entering inventory data into computer;
- (i) cleaning and preparing equipment and containers used to prepare and dispense medicines and pharmaceutical compounds.

Included occupations

Examples of the occupations classified here:

- ~~Assistant, Pharmaceutical assistant~~
- Pharmaceutical technician

~~Excluded occupations~~

~~Some related occupations classified elsewhere:~~

- ~~- Pharmacy aid - 5329~~
- ~~- Pharmacist - 2265~~
- ~~- Pharmacology technician - 3141~~

Notes**Comments****ISCO 88 Code(s)**

3228

ISCO 08 Code

3214

Title EN

Medical and dental prosthetic technicians

Lead Statement

Medical and dental prosthetic technicians design, fit, service and repair medical and dental devices and appliances following prescriptions or instructions established by a health professional. They may service a wide range of support instruments to correct physical medical or dental problems such as neck braces, orthopaedic splints, artificial limbs, hearing aides, arch supports, dentures, and dental crowns and bridges.~~Medical and dental prosthetic technicians design, construct, fit, maintain, or repair medical and dental supportive devices and appliances, such as braces, splints, callipers, artificial limbs, joints, arch supports, dentures, dental crowns and bridges.~~

Task statement

Tasks include:

- (a) examining, interviewing, and measuring patients in order to determine their appliance needs, and to identify factors that could affect appliance fit;
- (b) conferring with medical and dental practitioners in order to formulate specifications and prescriptions for devices and appliances;
- (c) interpreting prescriptions or specifications to determine the type of product or device to be fabricated, and the materials and tools that will be required;
- (d) making or receiving casts or impressions of patients' torsos, limbs, mouths or teeth for use as fabrication patterns;
- (e) designing and making orthotic and prosthetic devices using materials such as thermoplastic and thermosetting materials, metal alloys and leather, and hand and power tools;
- (f) fitting appliances and devices onto patients, testing and evaluating them, and making adjustments for proper fit, function, and comfort;
- (g) repairing, modifying, and maintaining medical and dental prosthetic and supportive devices, according to specifications;
- (h) bending, forming, and shaping fabric or material so that it conforms to prescribed contours needed to fabricate structural components;
- (i) fabricating full and partial dentures and constructing mouth guards, crowns, metal clasps, inlays, bridgework and other aids;
- (j) instructing patients in the use and care of prosthetic or orthotic devices.

Included occupations

- Prosthetist
- Orthotist
- Prosthetic technician
- Orthotic technician
- Dental technician
- Denturist

Excluded occupations

Notes

Occupations included in this category normally require some medical, dental and anatomical and engineering knowledge obtained through formal training. Technicians who construct and repair precision medical and surgical instruments based are not included here.

Comments

~~Could be classified in 31 or 32. Skill level may be 3. Skills are mainly associated with~~

~~engineering although medical, dental and anatomical knowledge is also important. Split from precision instrument makers and repairers. Orthotists and prosthetists who design as well as fabricate appliances have been included in this group on the basis that, in the international context, they may be difficult to differentiate from those who fabricate but do not design: the alternative would have been to include them in 2269, Health professionals nec.~~

~~-ISCO 88 Code(s)~~

~~-7311 part~~

ISCO 08 Code

322

Title EN

Nursing and midwifery associate professionals

Lead Statement

Nursing and midwifery associate professionals provide nursing and personal care for the sick, injured and others in need of such care, deliver or assist in the delivery of babies, and provide antenatal and post-natal care and instruction. They usually work in support of nursing and midwifery professionals and medical doctors.

Task statement

Tasks performed usually include: providing nursing care, treatment and advice to the ill, injured, disabled, and others in need of care; assisting professional nurses and medical doctors in administering medicine and drugs; applying surgical dressings and giving other forms of treatment under instructions under the guidance of professional nurses or physicians; assisting in giving first-aid treatment in emergencies; advising expectant mothers on appropriate diet, exercises and behaviour to ease pregnancy and child birth, and noting their general health and progress; delivering babies, or assisting midwifery professionals or doctors in deliveries; attending mothers in the post-natal period to supervise their recovery, to check on babies' progress, and to instruct parents in baby care; advising on and administering birth control methods.

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code
3221
Title EN
Nursing associate professionals

Lead Statement

Nursing associate professionals provide nursing care for the sick and injured, and those in people in need of such nursing care due to the effects of ageing, illness, injury or other physical or mental impairment, within the framework of care, treatment and referral plans established by medical practitioners, nursing professionals and other health professionals. They usually work under the direction of nursing or other health professionals and perform tasks of more limited range and complexity than nursing professionals, disability or age. They usually work in support of nursing and midwifery professionals and medical doctors.

Task statement

- (a) assessing, planning and providing personal and nursing care, treatment and advice to the sick, injured, disabled, and others in need of care;
- (b) administering medications and other treatments and monitoring responses to treatment;
- (c) cleaning wounds and applying surgical dressings under the guidance of professional nurses or medical doctors;
- (d) monitoring and observing patients' condition and maintaining a record of observations and treatment;
- (e) assisting in planning and managing the care of individual patients;
- (f) assisting in giving first-aid treatment in emergencies.

Included occupations

—Examples of the occupations classified here:

- Nurse, Associate professional nurse - 3231
- Assistant nurse
- Practical nurse
- Enrolled nurse

Excluded occupations

Some related occupations classified elsewhere:

- Nurse, Professional nurse - 2221
- Nursing sister/ professional - 2221
- Specialist nurse - 2221
- Clinical nurse consultant - 2221
- Nursing aide (hospital or clinic) - 5321
- Midwife, associate professional midwife - 3222
- Midwife, professional midwife - 2222
- Nursing aide (home) - 5333
- Nurse, associate professional - 3231

Notes

The distinction between professional and associate professional nurses should be made on the basis of the nature of the work performed in relation to the tasks specified in this definition. The qualifications held by individuals or that predominate in the country are not the main factor in making this distinction, as training arrangements for nurses vary widely between countries and have varied over time within countries.

Comments

ISCO 88 Code(s)

3231, part - 2230, part

~~-ISCO 08 Code~~
~~-3222~~
~~-Title EN~~
~~-Midwifery associate professionals~~

Lead Statement

~~Midwifery associate professionals deliver or assist doctors or midwifery professionals in the delivery of babies. They provide antenatal and post natal care and instruct parents in baby care. They provide health care and advice before, during and after pregnancy and childbirth. They implement care, treatment and referral plans usually established by medical, midwifery and other health professionals.~~

Task statement

Tasks include:

- (a) advising expectant mothers on appropriate diet, exercises and behaviour to ease pregnancy and childbirth, and noting their general health and progress;
- (b) delivering babies, usually only in the case of normal delivery, or, assisting doctors or midwifery professionals in deliveries;
- (c) attending mothers in the post-natal period to supervise their recovery, to check on babies' progress, and to instruct parents in baby care;
- (d) caring for newborn babies and recognising signs and symptoms requiring intervention of medical doctors or midwifery professionals;
- (e) advising parents on matters of personal hygiene that may affect the health of babies, such as cleanliness of hands, skin and hair, and of environmental hygiene, such as cleanliness of household;
- (f) providing advice and training on infant care to parents of newborn babies;
- (g) advising on and administering birth control methods.

Included occupations

~~- Assistant midwife;~~
~~- Traditional midwife/associate professional~~

Excluded occupations

~~— Nurse, professional - 2221~~
~~— Nursing sister/ professional - 2221~~
~~— Specialist nurse - 2221~~
~~- Clinical nurse consultant - 2221~~
~~- Nursing aide (hospital) - 5321~~
~~— Professional midwife, professional - 2222~~
~~— Nurse, associate professional - 3234 Midwifery attendant - 5321~~

Notes

Comments

Indian NCO 3320.10

ISCO 88 Code(s)

3232, part - 2230, part

ISCO 08 Code

323

Title EN

Traditional and complementary medicine associate professionals

Lead Statement

Traditional and complementary medicine associate professionals prevent and treat human physical and mental illnesses, disorders and injuries using herbal and other therapies based on knowledge of specific cultural traditions and approaches. ~~Traditional and complementary medicine associate professionals treat human physical and mental illnesses, disorders and injuries using methods based on knowledge of specific cultural traditions and approaches.~~

Task statement

Tasks include:

- (b) examining and questioning patients to determine the nature of the illness or complaint and recommended course of treatment;
- (c) treating sickness and injuries using herbs, medicinal plants, insects, animal extracts and other traditional techniques to cure and heal by stimulating nature;
- (d) setting and healing fractured and dislocated bones using traditional methods of manipulation, herbal preparations and oils;
- (e) advising the individuals and the community on proper diet and behaviour to preserve or improve health and well-being;
- (f) drawing blood to the surface of the body or applying pressure to parts of the body using a variety of traditional techniques,
- (g) referring patients to, and exchanging information with, other health and community workers.

Notes

Comments

ISCO 88 Code(s)

3241, 3229 part

ISCO 08 Code

3230

Title EN

Traditional and complementary medicine associate professionals

Lead Statement

Traditional and complementary medicine associate professionals prevent and treat human physical and mental illnesses, disorders and injuries using herbal and other therapies ~~methods~~ based on knowledge of specific cultural traditions and approaches.

Task statement

Tasks include:-

- (a) examining and questioning patients to determine the nature of the illness or complaint and recommended course of treatment;
- (b) treating sickness and injuries using herbs, medicinal plants, insects, animal extracts and other traditional techniques to cure and heal by stimulating nature;
- (c) setting and healing fractured and dislocated bones using traditional methods of manipulation, herbal preparations and oils;
- (d) advising the individuals and the community on proper diet and behaviour to preserve or improve health and well-being;
- (e) drawing blood to the surface of the body or applying pressure to parts of the body using a variety of traditional techniques;
- (f) referring patients to, and exchanging ~~information~~ with, other health and community workers.

Included occupations

- Bonesetter
- Herbalist;
- Witch doctor;
- Village healer;
- Scraping and cupping therapist

Excluded occupations

- Acupuncturist -- 2230
- Chinese herbal medicine practitioner - 2230
- Homeopath - 2230
- Naturopath - 2230;
- Ayurvedic practitioner -- 2230
- Acupressure therapist - 3255
- Shiatsu therapist -- 3255
- Hydrotherapist -- 3255
- Chiropractor -- 3259
- Osteopath -- 3259
- Traditional midwife - 3222
- Faith healer - 5169

Notes

Occupations in traditional and complementary medicine whose practice requires an extensive understanding of the benefits and applications of traditional and complementary therapies, developed as the result of prolonged formal study of these techniques as well as human anatomy and elements of modern medicine, are classified in Unit group 2230, Traditional and complementary medicine professionals. Those whose practice requires a less extensive understanding based on relatively short periods of formal or informal education and training, or on knowledge passed on informally from generation to generation, are included in Unit group 3230, Traditional and complementary medicine associate professionals. Faith healers who treat human ailments through faith and the power of the

mind, without using medication, herbal preparations or other physical interventions, are included in Unit group 5169, Personal service workers not elsewhere classified. Occupations that provide therapy using traditional forms of massage and the application of pressure, such as acupressure and shiatsu therapists are classified in Unit group 3255, Physiotherapy technicians and assistants.

[Traditional and lay midwives, who provide care and advice before during and after pregnancy based primarily on experience and knowledge passed from generation to generation, are classified in Unit group 322, Midwifery associate professionals.](#)

Comments

ISCO 88 Code(s)

3241, 3229 part

ISCO 08 Code**324****Title EN****Veterinary technicians and assistants****Lead Statement**

Veterinary technicians and assistants carry out advisory, diagnostic, preventive and curative veterinary tasks, more limited in scope and complexity than those carried out by veterinarians. They care for animals under treatment and in temporary residence at veterinary facilities and assist veterinarians to perform procedures and operations.

Task statement

Tasks performed usually include: advising communities and individuals on the treatment of animals and their diseases and injuries; conducting examinations of animals to make diagnoses or refer more difficult cases to veterinarians when needed; treating ill or injured animals, especially for common diseases and disorders; cleaning and sterilising examination tables and instruments and preparing materials used in the examination and treatment of animals; carrying out technical tasks connected with artificial insemination of animals; getting animals ready for examination or treatment and restraining or holding them during treatment; assisting veterinarians to administer anaesthetics and oxygen during treatment; placing animals in cages for recovery ~~from~~ operations and monitoring their condition.

Included occupations

~~Examples of the occupations classified here:~~

- ~~—Veterinary assistant~~
- ~~—Artificial inseminator~~
- ~~—Veterinary vaccinator~~
- ~~—Veterinary nurse~~

Excluded occupations

~~Some related occupations classified elsewhere:~~

- ~~—Animal attendant—5164~~
- ~~—Veterinarian—2250~~

Notes**Comments**

New minor group created to allow provision of data on human health occupations at minor group level

ISCO 88 Code(s)

ISCO 08 Code**3240****Title EN****Veterinary technicians and assistants****Lead Statement**

Veterinary technicians and assistants carry out advisory, diagnostic, preventive and curative veterinary tasks, more limited in scope and complexity than those carried out by and with the guidance of veterinarians. They care for animals under treatment and in temporary residence at veterinary facilities, perform routine procedures and assist veterinarians to perform procedures and operations.

Task statement

Tasks include:

- (a) advising communities and individuals on the treatment of animals and their diseases and injuries;
- (b) conducting examinations of animals to make diagnoses or refer more difficult cases to veterinarians when needed;
- (c) treating ill or injured animals, especially for common diseases and disorders;
- (d) cleaning and sterilising examination tables and instruments and preparing materials used in the examination and treatment of animals;
- (e) carrying out technical tasks connected with artificial insemination of animals;
- (f) getting animals ready for examination or treatment and restraining or holding them during treatment;
- (g) assisting veterinarians to administer anaesthetics and oxygen during treatment;
- (h) placing animals in cages for recovery ~~from~~ operations and monitoring their condition.

Included occupations

Examples of the occupations classified here:

- Veterinary assistant
- Artificial inseminator
- Veterinary vaccinator
- Veterinary nurse

Excluded occupations

Some related occupations classified elsewhere:

- ~~Animal attendant~~ 5164
- ~~Veterinarian~~ 2250
- Veterinary aide - 5164

Notes**Comments****ISCO 88 Code(s)**

3227

- ISCO 08 Code
- 325
- Title EN
- Other health associate professionals

Lead Statement

Task statement

Included occupations

Excluded occupations

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code**3251****Title EN****Dental assistants and therapists****Lead Statement**

Dental assistants and therapists provide basic dental care services for the prevention and treatment of diseases and disorders of the teeth and mouth, as per care plans and procedures established by a dentist or other oral health professional. Dental assistants and therapists provide supportive dental services and perform advisory, diagnostic, preventive and curative dental tasks, more limited in scope than those performed by dentists. They assist dentists by preparing and taking care of instruments and other equipment, preparing materials and preparing patients for examination and treatment.

Task statement

Tasks include:

- (a) advising communities and individuals on dental hygiene, diet and other preventive dental measures;
- (b) conducting dental examinations to make diagnoses and referring more difficult cases to dDentists when needed
- (c) assisting dentists during dental procedures
- (d) cleaning and removing deposits from teeth, preparing cavities and placing fillings;
- (e) performing certain types of prosthetic work and some surgical procedures;
- (f) preparing and taking care of dental instruments, equipment and materials;
- (g) preparing patients for examination or treatment;
- (h) providing fluoride therapy by applying remineralissing solutions and desensitising agents;
- (i) removing deposits from teeth;
- (j) taking impressions of the mouth;
- (k) taking dental radiographs;
- (l) administering local anaesthesia by infiltration and mandibular nerve block.

Included occupations

-Examples of the occupations classified here:

- Dental assistant,
- Dental hygienist,
- Dental therapist

Excluded occupations

-Some related occupations classified elsewhere:

- Dental aid - 5329
- Dental mechanic- 3214
- Dental prosthetist - 3214
- Dental technician - 3214
- Dentist - 2261

Notes**Comments****ISCO 88 Code(s)**

3225

ISCO 08 Code

3252

Title EN**Medical records and health information technicians****Lead Statement**

Physiotherapy technicians and assistants provide physical therapeutic treatments to patients in circumstances where functional movement is threatened by injury, disease or impairment. Therapies are usually provided as per rehabilitative plans established by a physiotherapist or other health professional. Medical records and health information technicians compile, process, and maintain medical records of patients in hospitals, clinics and other health care institutions to meet the medical, legal, ethical and administrative requirements of health care delivery.

Task statement

- (a) planning, developing, maintaining and operating a variety of health record indexes and storage and retrieval systems to collect, classify, store and analyze information;
- (b) processing patient admission and discharge documents;
- (c) previewing records for completeness, accuracy and compliance with regulations;
- (d) compiling and maintain patients' medical records to document condition and treatment and to provide data for research, billing, cost control and care improvement;
- (e) transcribing medical reports and entering data, such as demographic characteristics, history and extent of disease, diagnostic procedures and treatment into computer;
- (f) translating narrative descriptions and numeric information about patients' characteristics, conditions and procedures performed into codes associated with standard classification systems;
- (g) protecting the security of medical records to ensure that confidentiality is maintained and releasing information to authorised persons and agencies;
- (h) supervising clerical and administrative workers involved in the maintenance of medical records.

Included occupations

- Medical records clerk;
- Medical records technician;
- Health information clerk;
- Medical records Analyst;
- Clinical coder
- Health Information Systems Disease registry technician

Excluded occupations

- Data entry clerk - 4132
- Filing clerk - 4132
- Medical secretary - 3344

Notes

Occupations included in this category normally require knowledge of medical terminology, legal aspects of health information, health data standards, and computer- or paper-based data management as obtained through formal education and/or on-the-job training.

Comments**ISCO 88 Code(s)**

4143, part

ISCO 08 Code

3253

Title EN

Community health workers**Lead Statement**

Community health workers provide health education, referral and follow up, case management, and basic preventive health care and home visiting services to specific communities. They provide support and assistance to individuals and families in navigating the health and social services system. Community health workers provide health education and referrals for a wide range of services, and provide support and assistance to communities, families and individuals with preventive health measures and gaining access to appropriate curative health and social services. They create a bridge between providers of health, social and community services and communities that may have difficulty in accessing these services.

Task statement

- (a) providing education to communities and families on a range of health issues including family planning, control and treatment of infectious diseases, poisoning prevention, HIV risk factors and measures to prevent transmission, risk factors associated with substance abuse, domestic violence, breastfeeding and other topics;
- (b) assisting families to develop the necessary skills and resources to improve their health status, family functioning and self-sufficiency;
- (c) conducting outreach efforts to pregnant women ~~(~~including those who are not involved in prenatal, health or other community services, and other high risk populations) ~~living~~ to help them with access to prenatal and other health care services;
- (d) ensuring parents understand the need for children to receive immunizations and regular health care;
- (e) working with parents in their homes to improve parent-child interaction and to promote their understanding of normal child development;
- (f) providing advice and education on sanitation and hygiene to limit the spread of infectious diseases;
- (g) storing and distributing medical supplies for the prevention and cure of endemic diseases such as malaria and tuberculosis and instructing members of the community in the use of these products;
- (h) assisting families in gaining access to medical and other health services.

Included occupations

—Examples of the occupations classified here:

- ~~Community health worker~~
- Community health aide
- Community health promoter
- Village health worker

Excluded occupations

- Village healer - 3230
- Home care aide - 5322

Notes**Comments**

Split group, supported by WHO. Sources of definition: New York State Community health program (<http://www.health.state.ny.us/nysdoh/perinatal/en/chwp.htm>); WHO report: http://www.who.int/hrh/documents/community_health_workers.pdf

ISCO 88 Code(s)

3221, part

ISCO 08 Code

3254

Title EN**Dispensing opticians****Lead Statement**

~~Dispensing opticians design, measure, fit, and adapt lenses and frames for clients according to written optical prescription or specification.~~ Dispensing opticians design, fit and dispense optical lenses based on a prescription from an ophthalmologist or optometrist for the correction of reduced visual acuity. They service corrective eyeglasses, contact lenses, low-vision aids and other optical devices.

Task statement

Tasks include:

- (a) Measuring customers for size of eyeglasses and coordinating frames with facial and eye measurements and optical prescription;
- (b) Assisting clients with selecting frames;
- (c) Interpreting optical prescriptions and preparing work order for optical laboratory containing instructions for grinding and mounting lenses in frames;
- (d) Verifying exactness of finished lens spectacles;
- (e) Fitting and servicing optical appliances ~~such as spectacle frames and lenses~~ and adjusting frames and lens position to fit clients.

Included occupations

-Examples of the occupations classified here:

- ~~Optician~~, Dispensing optician
- Contact lens optician

Excluded occupations

Some related occupations classified elsewhere:

- ~~__~~ Ophthalmologist ~~--~~ 221224
- = _ Optometrist ~~--~~ 2267
- = _ Ophthalmic ~~o~~ptician ~~--~~ 2267
- = _ Orthoptist ~~--~~ 2267

Notes**Comments****ISCO 88 Code(s)**

3224, part

ISCO 08 Code**3255****Title EN****Physiotherapy technicians and assistants****Lead Statement**

Physiotherapy technicians and assistants provide physical therapeutic treatments to patients in circumstances where functional movement is threatened by injury, disease or impairment. Therapies are usually provided as per rehabilitative plans established by a physiotherapist or other health professional. Physiotherapists technicians and assistants provide massage and other physical therapy treatments for health, fitness and rehabilitation purposes. Treatment is usually provided within the scope of treatment plans established by a physiotherapist or other health professional

Task statement

Tasks include:

- (a) massaging the soft tissues of the body, such as muscles, tendons and ligaments, to assist healing;
- (b) instructing, motivating, safeguarding and assisting patients as they practice exercises and functional activities;
- (c) conferring with physiotherapists or others to discuss and evaluate patient information for planning, modifying, and coordinating treatment;
- (d) administering active and passive manual therapeutic exercises and heat, light, sound, water, and electrical modality treatments, such as ultrasound;
- (e) observing patients during treatments and measuring patients' range-of-joint motion, body parts, and vital signs to determine effects of treatments to compile and evaluate data on patients' responses and progress;
- (f) fitting patients for orthopedic braces, prostheses, and supportive devices, such as crutches and training patients in the use of such devices;
- (g) employing techniques, such as acupressure or Shiatsu, and complementary aids, such as infra-red lamps, wet compresses, ice, essential oils and herbal and mineral therapies, to assist recovery;
- (h) assessing client's physical condition and case history and advising on stretching exercises and relaxation techniques.

Included occupations

Examples of the occupations classified here:

- Massage therapist;
- Electrotherapist
- Acupressure therapist;
- Shiatsu therapist;
- Hydrotherapist

Excluded occupations

-Some related occupations classified elsewhere:

- Occupational therapist - 3229
- Chiropractor - 3259
- Physiotherapist - 2264
- Podiatrist - 2269

Notes**Comments**

ISCO 88 Code(s)

| -3226, part

ISCO 08 Code
3256
Title EN
Medical assistants

Lead Statement

Medical assistants perform basic clinical and administrative tasks to support patient care under the direct supervision of a medical practitioner or other health professional. Medical assistants prepare patients for examination, take their vital signs and record their medical histories, administer medications and perform other clinical tasks under the direction of a medical doctor or other health professional. They may also perform administrative duties such as scheduling appointments, maintaining medical records, billing, and medical coding for insurance and reporting purposes.

Task statement

Tasks include:

- (a) ~~I~~nterviewing and observing patients to obtain medical information and measure their vital signs, weight, and height;
- (b) ~~S~~howing patients to examination rooms and preparing them for examination;
- (c) ~~P~~reparing and administering medications as directed by a physician;
- (d) ~~C~~ollecting blood, tissue or other laboratory specimens, logging the specimens, and prepare them for testing;
- (e) ~~E~~xplaining treatment procedures, medications, diets and physicians' instructions to patients;
- (f) ~~H~~elping medical doctors and other health professionals to examine and treat patients, handing them instruments and materials or performing such tasks as giving injections and removing sutures;
- (g) ~~A~~uthorizing drug refills and providing prescription information to pharmacies;
- (h) ~~P~~reparing treatment rooms for patient examinations, keeping the rooms neat and clean;
- (i) ~~C~~leaning and sterilizing instruments and disposing of contaminated supplies;
- (j) ~~R~~ecording patients' medical history, vital statistics and information such as test results, medical condition and procedure codes in medical records;
- (k) ~~A~~rranging and scheduling appointments and preparing documentation required for billing, reporting and insurance purposes.

Included occupations

- Medical assistant
- Clinical assistant
- Ophthalmic assistant

Excluded occupations

- Clinical officer -- 2240
- Dental assistant - 3251
- Physiotherapy assistant - 3255
- Medical imaging assistant - 5321? 5329?
- Medical prosthetic technician - 3214

Notes

Comments

ISCO 88 Code(s)

3221 part

ISCO 08 Code

3257

Title EN

Environmental and occupational health inspectors and associates

Lead Statement

Environmental and occupational health inspectors and associates investigate the implementation of rules and regulations relating to environmental factors that can potentially affect human health, health and safety in the workplace, and safety of processes for the production of goods and services. They may implement and evaluate programs to restore or improve safety and sanitary conditions under the supervision of a health professional. ~~Environmental and occupational health inspectors and associates, examine the implementation of rules and regulations relating to occupational safety, sanitary conditions, protection of health and the environment, safety of production processes, and goods and services produced, used or sold. They may provide technical assistance and advice on measures to restore or improve safety and sanitary conditions, and supervise their implementation.~~

-Task statement

Tasks include:

- (a) advising employers' and workers' representatives on the implementation of government and other rules and regulations concerning occupational safety and the working environment;
- (b) inspecting places of work to ensure that the working environment, machinery and equipment conform to government and other rules, regulations and standards related to sanitation and /or occupational and environmental health and safety;
- (c) giving advice on environmental sanitary problems and techniques;
- (d) inspecting places of work and, by interviews, observations and other means, obtaining facts about work practices and accidents to determine compliance with safety rules and regulations;
- (e) inspecting areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards;
- (f) advising enterprises and the general public on the implementation of government and other rules and regulations concerning hygiene, sanitation, purity and grading of primary products, food, drugs, cosmetics and similar goods;
- (g) inspecting establishments to ensure that they conform to government and other rules and regulations concerning emission of pollutants and disposal of dangerous wastes
- (h) initiating action to maintain or improve hygiene and prevent pollution of water, air, food or soil;
- (i) promoting preventive and corrective measures such as control of disease carrying organisms and of harmful substances in the air, hygienic food handling, proper disposal of waste and cleaning of public places;
- (j) estimating quantities and costs of materials and labour required for health, safety and sanitation remediation projects;

Included occupations

- Occupational hHealth and sSafety inspector
- Sanitary inspector
- Health inspector
- Sanitarian
- Food sanitation and safety inspector

Excluded occupations

- Environmental hHealth officer - 2263
- Occupational hHealth and sSafety adviser - 2263
- Occupational hygienist - 2263
- Radiation protection expert - 2263

Notes

Comments

-

ISCO 88 Code(s)

3152 part, 3222

ISCO 08 Code
3258
Title EN
Ambulance workers

Lead Statement

Ambulance workers provide emergency health care and transport for injured, sick, infirm and aged persons to medical facilities.

-Task statement

Tasks include:

- (a) attending accidents, emergencies and requests for medical assistance;
- (b) assessing health of patients, determining need for assistance, and assessing specialised needs and factors affecting patients' conditions;
- (c) performing therapies and administering drugs according to protocol;
- (d) resuscitating and defibrillating patients and operating life-support equipment;
- (e) transporting accident victims to medical facilities;
- (f) transporting sick and disabled persons to and from medical facilities for specialised treatment and rehabilitation;
- (g) instructing community groups and essential service workers in first aid;
- (h) attending public gatherings and sporting events where accidents and other health emergencies may occur;
- (i) preparing written reports on the state of patients' injuries and treatment provided.

Included occupations

—Examples of the occupations classified here:

- [Emergency medical technician](#)
- [_Ambulance officer](#)
- [_Emergency paramedic](#)
- [_Ambulance paramedic](#)
- [Intensive care paramedic](#)

Excluded occupations

Some related occupations classified elsewhere:

- [Paramedical practitioner - 2240](#)
- [Ambulance driver - 8322](#)

Notes

[Occupations included in this Unit group normally require formal training in emergency medical treatment, patient transport, ambulance principles and practice, or a related field. Ambulance drivers who do not provide health care are classified in Unit group 8322 Car, taxi and van drivers.](#)

Comments

New group -- definition based on ANZSCO 4111

ISCO 88 Code(s)
5132 part

ISCO 08 Code

3259

Title EN

Health associate professionals not elsewhere classified**Lead Statement**

This unit group covers health **associate** professionals not classified elsewhere in Sub-major group 32, *Health associate professionals*. For instance the group includes occupations such as **chiropractor**, **osteopath**, **recreational therapist** and other health **associate** professionals.

Task statement

In such cases tasks would include:

- (a) assessing patients or clients to determine the nature of the disorder, illness or problem by questioning, examining and observing;
- (b) developing and implementing treatment plans and evaluating and documenting patients' progress through treatment plans;
- (c) providing therapy to **alleviate the problem**;
- (d) planning and directing programs through the use of recreational activities on an individual and group basis;
- (e) referring clients to or conferring with other health professionals or associate professionals if required.

Included occupations

Examples of the occupations classified here:

Chiropractor

Osteopath

Recreational therapist**Excluded occupations****Notes****Comments****ISCO 88 Code(s)**

3229 part, 3226 part

ISCO 08 Code

532

Title EN

Personal care workers in health services

Lead Statement

Task statement

Included occupations

Excluded occupations

Notes

Comments

ISCO 88 Code(s)

ISCO 08 Code

5321

Title EN

Health care assistants

Lead Statement

Health care assistants provide assistance with daily living, support and direct personal care to patients and residents in a variety of institutional settings such as hospitals, clinics, nursing homes and residential nursing aged-care facilities. They generally work in support and under the direction of health professionals or associate professionals.

Task statement

Tasks include:

(a) implementing care, treatment and referral plans established by medical nursing and other health professionals;

~~(a)~~(b) assisting patients with personal care needs such as showering, toilet and dressing;

~~(b)~~(c) assisting patients with mobility and communication needs;

~~(c)~~(d) lifting and turning patients and transporting them in wheelchairs or on movable beds;

~~(d)~~(e) changing bed-linen and ensuring facilities are kept clean and tidy;

~~(e)~~(f) observing and reporting changes in patients' condition or behaviour;

~~(f)~~(g) serving and collecting ~~ing~~ion food trays and assisting patients needing help with eating and drinking;

~~(g)~~(h) participating in planning the care of individuals;

~~(h)~~(i) following therapy plans and assisting with rehabilitation exercises, basic treatment and delivery of medications;

~~(i)~~(j) sterilising surgical and other instruments and equipment.

Included occupations

-Examples of the occupations classified here:

~~— Hospital orderly~~

— Nursing aide (clinic or hospital)

~~— Medical imaging assistant~~

— Midwifery attendant

— Psychiatric aid

Excluded occupations

-Some related occupations classified elsewhere:

— Nursing aide (home) - ~~5321433~~

— Nurse (associate professional) - 3231

— Nurse (professional) ~~—~~ 2230

~~--~~ Ambulance worker ~~—~~ 3258

Notes

Workers who provide personal care to residents of institutions and facilities that have permanent medical or nursing supervision (such as ~~in~~ hospitals, rehabilitation centres, residential nursing care facilities and nursing homes) and therefore work under the direct supervision of nurses or doctors, should be classified in Unit group 5321, Health care assistants. Workers who provide personal care to residents of independent living units, (such as those found in retirement villages), generally without permanent medical or nursing supervision, should be classified in Unit Group 5322, Home-based personal care workers. In general, workers classified in Minor group 532, Personal care workers in health services, do not perform tasks requiring extensive medical knowledge or training, such as administering medications and cleaning and dressing wounds: where tasks of this type are performed they are of a simple and routine nature.

Comments

-ISCO 88 Code(s)

-5132, part

ISCO 08 Code

5322

Title EN

Home-based personal care workers**Lead Statement**

Home-based personal care workers provide routine personal care, such as bathing, dressing, or grooming, to elderly, convalescent, or disabled persons in their own homes or in ~~an~~-independent residential care facilities.

Task statement

Tasks include:

- (a) ~~m~~Maintaining records of client care, condition, progress, or problems, reporting and discussing observations with supervisor, or referring concerns to appropriate nursing, medical or social service workers;
- (b) ~~H~~Helping clients to move in and out of beds, wheelchairs or vehicles, and with bathing, toilet, dressing and grooming;
- (c) ~~P~~roviding patients and families with emotional support and instruction in areas such as caring for infants, preparing healthy meals, living independently, or adapting to disability or illness;
- (d) ~~C~~hanging bed linen, washing and ironing patients' laundry, and cleaning patients' quarters;
- (e) ~~E~~ntertaining, conversing with, or reading aloud to patients to keep them mentally healthy and alert;
- (f) ~~P~~lanning, purchasing, preparing, or serving meals to patients or other family members, according to prescribed diets;
- (g) ~~E~~nsuring that persons take prescribed medication at the right times and assisting them with their medication if required.

Included occupations

-Examples of the occupations classified here:

- ~~___~~ ~~Nursing a~~Aide (~~nursing~~/home)
- ~~___~~ Home care aide

Excluded occupations

-Some related occupations classified elsewhere:

- ~~___~~ ~~Nursing a~~Aide; (~~clinic or hospital~~) ~~nursing/clinic~~ - 5132
- ~~___~~ Nurse, associate professional - 3231
- ~~___~~ Nurse, professional - 2230
- ~~___~~ Social worker, associate professional - 3460
- ~~___~~ Social worker, professional - 2446

Notes

Workers who provide personal care to residents of ~~medical and health care institutions and~~ facilities that have permanent medical or nursing supervision (such as in hospitals and nursing homes) and therefore work under the direct supervision of nurses or doctors, should be classified in Unit group 5321, Health care assistants. Workers who provide personal care to residents of independent living units (such as ~~those found~~ in retirement villages), generally without permanent medical or nursing supervision, should be classified in Unit Group 5322, Home-based personal care workers. In general, workers classified in Minor group 532, Personal care workers in health services, do not perform tasks requiring extensive medical knowledge or training, such as administering medications and cleaning and dressing wounds: where tasks of this type are performed they are of a simple and routine nature.

Comments

ISCO 88 Code(s)
5133

ISCO 08 Code

5329

Title EN**Personal care workers in health services not elsewhere classified****Lead Statement**

This unit group covers personal care workers in health services not classified elsewhere in Minor group 532 Personal care workers in health services. For instance the group includes occupations such as Dental aid, Hospital orderly, Medical imaging assistant and Pharmacy aid.

Task statement

In such cases tasks would include:

- (a) cleaning and sterilizing surgical, dental and pharmaceutical instruments bottles, beakers and other equipment;
- (b) labelling drugs, chemicals and other pharmaceutical preparations and replenishing stock on shelves;
- (c) lifting, turning, and moving patients and transporting them in wheelchairs or on moveable beds;
- (d) preparing patients for examination or treatment;
- (e) setting up instrument trays, preparing materials, and assisting dentists or radiographers during procedures;
- (f) exposing diagnostic X-rays.

Included occupations

Examples of the occupations classified here:

- Dental aid
- First-aid attendant
- Hospital orderly
- Medical imaging assistant
- Pharmacy aid
- Sterilization aid

Excluded occupations**Notes****Comments****ISCO 88 Code(s)**

5139, part