

## COMPREHENSIVE ICF CORE SET for CARDIOPULMONARY CONDITIONS for ACUTE CARE

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| <b>BODY FUNCTIONS</b><br>= physiological functions of body systems (including psychological functions) |  |
| <b>b110</b>  | <b>Consciousness functions</b>   |
|  | <b>General mental functions of the state of awareness and alertness, including the clarity and continuity of the wakeful state.</b><br><i>Inclusions: functions of the state, continuity and quality of consciousness; loss of consciousness, coma, vegetative states, fugues, trance states, possession states, drug-induced altered consciousness, delirium, stupor</i><br><i>Exclusions: orientation functions (b114); energy and drive functions (b130); sleep functions (b134)</i>  |
| <b>b114</b>  | <b>Orientation functions</b>   |
|  | <b>General mental functions of knowing and ascertaining one's relation to self, to others, to time and to one's surroundings.</b><br><i>Inclusions: functions of orientation to time, place and person; orientation to self and others; disorientation to time, place and person</i><br><i>Exclusions: consciousness functions (b110); attention functions (b140); memory functions (b144)</i>   |
| <b>b130</b>  | <b>Energy and drive functions</b>  |
|  | <b>General mental functions of physiological and psychological mechanisms that cause the individual to move towards satisfying specific needs and general goals in a persistent manner.</b><br><i>Inclusions: functions of energy level, motivation, appetite, craving (including craving for substances that can be abused) and impulse control</i><br><i>Exclusions: consciousness functions (b110); temperament and personality functions (b126); sleep functions (b134); psychomotor functions (b147); emotional functions (b152)</i>  |
| <b>b134</b>  | <b>Sleep functions</b>   |
|  | <b>General mental functions of periodic, reversible and selective physical and mental disengagement from one's immediate environment accompanied by characteristic physiological changes.</b><br><i>Inclusions: functions of amount of sleeping, and onset, maintenance and quality of sleep; functions involving the sleep cycle, such as in insomnia, hypersomnia and narcolepsy</i><br><i>Exclusions: consciousness functions (b110); energy and drive functions (b130); attention functions (b140); psychomotor functions (b147)</i>   |
| <b>b280</b>  | <b>Sensation of pain</b>   |
|  | <b>Sensation of unpleasant feeling indicating potential or actual damage to some body structure.</b><br><i>Inclusions: sensations of generalized or localized pain in one or more body part, pain in a dermatome, stabbing pain, burning pain, dull pain, aching pain; impairments such as myalgia, analgesia and hyperalgesia</i>   |
| <b>b410</b>  | <b>Heart functions</b>   |
|  | <b>Functions of pumping the blood in adequate or required amounts and pressure throughout the body.</b><br><i>Inclusions: functions of heart rate, rhythm and output; contraction force of ventricular muscles; functions of heart valves; pumping the blood through the pulmonary circuit; dynamics of circulation to the heart; impairments such as tachycardia, bradycardia and irregular heart beat and as in heart failure, cardiomyopathy, myocarditis and coronary insufficiency.</i><br><i>Exclusions: blood vessel functions (b415); blood pressure functions (b420); exercise tolerance functions (b455)</i> |
| <b>b415</b>  | <b>Blood vessel functions</b>  |
|  | <b>Functions of transporting blood throughout the body.</b><br><i>Inclusions: functions of arteries, capillaries and veins; vasomotor function; functions of pulmonary arteries, capillaries and veins; functions of valves of veins; impairments such as in blockage or constriction of arteries; atherosclerosis, arteriosclerosis, thromboembolism and varicose veins</i><br><i>Exclusions: heart functions (b410); blood pressure functions (b420); haematological system functions (b430); exercise tolerance functions (b455)</i>  |
| <b>b420</b>  | <b>Blood pressure functions</b>  |
|  | <b>Functions of maintaining the pressure of blood within the arteries.</b><br><i>Inclusions: functions of maintenance of blood pressure; increased and decreased blood pressure; impairments such as in hypotension, hypertension and postural hypotension</i><br><i>Exclusions: heart functions (b410); blood vessel functions (b415); exercise tolerance functions (b455)</i>  |
| <b>b430</b>  | <b>Haematological system functions</b>   |
|  | <b>Functions of blood production, oxygen and metabolite carriage, and clotting.</b><br><i>Inclusions: functions of the production of blood and bone marrow; oxygen-carrying functions of blood; blood-related functions of spleen; metabolite-carrying functions of blood; clotting; impairments such as in anaemia, haemophilia and other clotting dysfunctions</i><br><i>Exclusions: functions of the cardiovascular system (b410-b429); immunological system functions (b435); exercise tolerance functions (b455)</i>  |

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| <b>b435</b> | <b>Immunological system functions</b>   |
|             | <p><b>Functions of the body related to protection against foreign substances, including infections, by specific and non-specific immune responses.</b></p> <p><i>Inclusions: immune response (specific and non-specific); hypersensitivity reactions; functions of lymphatic vessels and nodes; functions of cell-mediated immunity, antibody-mediated immunity; response to immunization; impairments such as in autoimmunity, allergic reactions, lymphadenitis and lymphoedema</i></p> <p><i>Exclusion: haematological system functions (b430)</i></p>   |
| <b>b440</b> | <b>Respiration functions</b>  |
|             | <p><b>Functions of inhaling air into the lungs, the exchange of gases between air and blood, and exhaling air.</b></p> <p><i>Inclusions: functions of respiration rate, rhythm and depth; impairments such as apnoea, hyperventilation, irregular respiration, paradoxical respiration and bronchial spasm and as in pulmonary emphysema.</i></p> <p><i>Exclusions: respiratory muscle functions (b445); additional respiratory functions (b450); exercise tolerance functions (b455)</i></p>   |
| <b>b445</b> | <b>Respiratory muscle functions</b>   |
|             | <p><b>Functions of the muscles involved in breathing.</b></p> <p><i>Inclusions: functions of thoracic respiratory muscles; functions of the diaphragm; functions of accessory respiratory muscles</i></p> <p><i>Exclusions: respiration functions (b440); additional respiratory functions (b450); exercise tolerance functions (b455)</i></p>  |
| <b>b450</b> | <b>Additional respiratory functions</b>   |
|             | <p><b>Additional functions related to breathing, such as coughing, sneezing and yawning.</b></p> <p><i>Inclusions: functions of blowing, whistling and mouth breathing</i></p>  |
| <b>b455</b> | <b>Exercise tolerance functions</b>   |
|             | <p><b>Functions related to respiratory and cardiovascular capacity as required for enduring physical exertion.</b></p> <p><i>Inclusions: functions of physical endurance, aerobic capacity, stamina and fatigability</i></p> <p><i>Exclusions: functions of the cardiovascular system (b410-b429); haematological system functions (b430); respiration functions (b440); respiratory muscle functions (b445); additional respiratory functions (b450)</i></p>   |
| <b>b460</b> | <b>Sensations associated with cardiovascular and respiratory functions</b>  |
|             | <p><b>Sensations such as missing a heart beat, palpitation and shortness of breath.</b></p> <p><i>Inclusions: sensations of tightness of chest, feelings of irregular beat, dyspnoea, air hunger, choking, gagging and wheezing</i></p> <p><i>Exclusion: sensation of pain (b280)</i></p>   |
| <b>b510</b> | <b>Ingestion functions</b>  |
|             | <p><b>Functions related to taking in and manipulating solids or liquids through the mouth into the body.</b></p> <p><i>Inclusions: functions of sucking, chewing and biting, manipulating food in the mouth, salivation, swallowing, burping, regurgitation, spitting and vomiting; impairments such as dysphagia, aspiration of food, aerophagia, excessive salivation, drooling and insufficient salivation</i></p> <p><i>Exclusion: sensations associated with digestive system (b535)</i></p>   |
| <b>b545</b> | <b>Water, mineral and electrolyte balance functions</b>   |
|             | <p><b>Functions of the regulation of water, minerals and electrolytes in the body.</b></p> <p><i>Inclusions: functions of water balance, balance of minerals such as calcium, zinc and iron, and balance of electrolytes such as sodium and potassium; impairments such as in water retention, dehydration, hypercalcaemia, hypocalcaemia, iron deficiency, hypernatraemia, hyponatraemia, hyperkalaemia and hypokalaemia</i></p> <p><i>Exclusions: haematological system functions (b430); general metabolic functions (b540); endocrine gland functions (b555)</i></p>  |
| <b>b610</b> | <b>Urinary excretory functions</b>  |
|             | <p><b>Functions of filtration and collection of the urine.</b></p> <p><i>Inclusions: functions of urinary filtration, collection of urine; impairments such as in renal insufficiency, anuria, oliguria, hydronephrosis, hypotonic urinary bladder and ureteric obstruction</i></p> <p><i>Exclusion: urination functions (b620)</i></p>   |
| <b>b710</b> | <b>Mobility of joint functions</b>  |
|             | <p><b>Functions of the range and ease of movement of a joint.</b></p> <p><i>Inclusions: functions of mobility of single or several joints, vertebral, shoulder, elbow, wrist, hip, knee, ankle, small joints of hands and feet; mobility of joints generalized; impairments such as in hypermobility of joints, frozen joints, frozen shoulder, arthritis</i></p> <p><i>Exclusions: stability of joint functions (b715); control of voluntary movement functions (b760)</i></p>   |
| <b>b730</b> | <b>Muscle power functions</b>   |
|             | <p><b>Functions related to the force generated by the contraction of a muscle or muscle groups.</b></p> <p><i>Inclusions: functions associated with the power of specific muscles and muscle groups, muscles of one limb, one side of the body, the lower half of the body, all limbs, the trunk and the body as a whole; impairments such as weakness of small muscles in feet and hands, muscle paresis, muscle paralysis, monoplegia, hemiplegia, paraplegia, quadriplegia and akinetic mutism</i></p> <p><i>Exclusions: functions of structures adjoining the eye (b215); muscle tone functions (b735); muscle endurance functions (b740)</i></p> |

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| <b>b820</b> | <b>Repair functions of the skin</b>   |
|             | <b>Functions of the skin for repairing breaks and other damage to the skin.</b><br><i>Inclusions: functions of scab formation, healing, scarring; bruising and keloid formation</i><br><i>Exclusions: protective functions of the skin (b810); other functions of the skin (b830)</i> |

**BODY STRUCTURES**

= anatomical parts of the body such as organs, limbs and their components

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| <b>s760</b> | <b>Structure of trunk</b>         |
| <b>s810</b> | <b>Structure of areas of skin</b> |

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| <b>ACTIVITIES AND PARTICIPATION</b>  |   |
| = execution of a task or action by an individual and involvement in a life situation |   |
| <b>d240</b>  | <b>Handling stress and other psychological demands</b>  |
|  | Carrying out simple or complex and coordinated actions to manage and control the psychological demands required to carry out tasks demanding significant responsibilities and involving stress, distraction or crises, such as driving a vehicle during heavy traffic or taking care of many children.<br><i>Inclusions: handling responsibilities; handling stress and crisis</i>  |
| <b>d330</b>  | <b>Speaking</b>   |
|  | Producing words, phrases and longer passages in spoken messages with literal and implied meaning, such as expressing a fact or telling a story in oral language   |
| <b>d410</b>  | <b>Changing basic body position</b>   |
|  | Getting into and out of a body position and moving from one location to another, such as getting up out of a chair to lie down on a bed, and getting into and out of positions of kneeling or squatting.<br><i>Inclusion: changing body position from lying down, from squatting or kneeling, from sitting or standing, bending and shifting the body's centre of gravity</i><br><i>Exclusion: transferring oneself (d420)</i>                      |
| <b>d415</b>  | <b>Maintaining a body position</b>  |
|  | Staying in the same body position as required, such as remaining seated or remaining standing for work or school.<br><i>Inclusions: maintaining a lying, squatting, kneeling, sitting and standing position</i>   |
| <b>d420</b>  | <b>Transferring oneself</b>   |
|  | Moving from one surface to another, such as sliding along a bench or moving from a bed to a chair, without changing body position.<br><i>Inclusion: transferring oneself while sitting or lying</i><br><i>Exclusion: changing basic body position (d410)</i>  |
| <b>d450</b>  | <b>Walking</b>  |
|  | Moving along a surface on foot, step by step, so that one foot is always on the ground, such as when strolling, sauntering, walking forwards, backwards or sideways.<br><i>Inclusions: walking short or long distances; walking on different surfaces; walking around obstacles</i><br><i>Exclusions: transferring oneself (d420); moving around (d455)</i>   |
| <b>d510</b>  | <b>Washing oneself</b>  |
|  | Washing and drying one's whole body, or body parts, using water and appropriate cleaning and drying materials or methods, such as bathing, showering, washing hands and feet, face and hair, and drying with a towel.<br><i>Inclusions: washing body parts, the whole body; and drying oneself</i><br><i>Exclusions: caring for body parts (d520); toileting (d530)</i>   |
| <b>d520</b>  | <b>Caring for body parts</b>  |
|  | Looking after those parts of the body, such as skin, face, teeth, scalp, nails and genitals, that require more than washing and drying.<br><i>Inclusions: caring for skin, teeth, hair, finger and toe nails</i><br><i>Exclusions: washing oneself (d510); toileting (d530)</i>   |
| <b>d530</b>  | <b>Toileting</b>  |
|  | Planning and carrying out the elimination of human waste (menstruation, urination and defecation), and cleaning oneself afterwards.<br><i>Inclusions: regulating urination, defecation and menstrual care</i><br><i>Exclusions: washing oneself (d510); caring for body parts (d520)</i>  |
| <b>d540</b>  | <b>Dressing</b>   |
|  | Carrying out the coordinated actions and tasks of putting on and taking off clothes and footwear in sequence and in keeping with climatic and social conditions, such as by putting on, adjusting and removing shirts, skirts, blouses, pants, undergarments, saris, kimono, tights, hats, gloves, coats, shoes, boots, sandals and slippers.<br><i>Inclusions: putting on or taking off clothes and footwear and choosing appropriate clothing</i> |

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| <b>ENVIRONMENTAL FACTORS</b>  |  |
| = make up the physical, social and attitudinal environment in which people live and conduct their lives |  |
| <b>e110</b>   | <b>Products or substances for personal consumption</b>   |
|   | Any natural or human-made object or substance gathered, processed or manufactured for ingestion.<br><i>Inclusions: food and drugs</i>  |
| <b>e115</b>   | <b>Products and technology for personal use in daily living</b>  |
|   | Equipment, products and technologies used by people in daily activities, including those adapted or specially designed, located in, on or near the person using them.<br><i>Inclusions: general and assistive products and technology for personal use</i>   |
| <b>e120</b>   | <b>Products and technology for personal indoor and outdoor mobility and transportation</b>   |
|   | Equipment, products and technologies used by people in activities of moving inside and outside buildings, including those adapted or specially designed, located in, on or near the person using them.<br><i>Inclusions: general and assistive products and technology for personal indoor and outdoor mobility and transportation</i> |
| <b>e250</b>   | <b>Sound</b>   |
|   | A phenomenon that is or may be heard, such as banging, ringing, thumping, singing, whistling, yelling or buzzing, in any volume, timbre or tone, and that may provide useful or distracting information about the world.<br><i>Inclusions: sound intensity; sound quality</i>  |
| <b>e260</b>   | <b>Air quality</b>   |
|   | Characteristics of the atmosphere (outside buildings) or enclosed areas of air (inside buildings), and which may provide useful or distracting information about the world.<br><i>Inclusions: indoor and outdoor air quality</i>   |
| <b>e310</b>   | <b>Immediate family</b>  |
|   | Individuals related by birth, marriage or other relationship recognized by the culture as immediate family, such as spouses, partners, parents, siblings, children, foster parents, adoptive parents and grandparents.<br><i>Exclusions: extended family (e315); personal care providers and personal assistants (e340)</i>            |
| <b>e320</b>   | <b>Friends</b>   |
|   | Individuals who are close and ongoing participants in relationships characterized by trust and mutual support.   |
| <b>e355</b>   | <b>Health professionals</b>  |
|   | All service providers working within the context of the health system, such as doctors, nurses, physiotherapists, occupational therapists, speech therapists, audiologists, orthotist-prosthetists, medical social workers.<br><i>Exclusion: other professionals (e360)</i>  |
| <b>e410</b>   | <b>Individual attitudes of immediate family members</b>  |
|   | General or specific opinions and beliefs of immediate family members about the person or about other matters (e.g. social, political and economic issues) that influence individual behaviour and actions.   |
| <b>e420</b>   | <b>Individual attitude of friends</b>  |
|   | General or specific opinions and beliefs of friends about the person or about other matters (e.g. social, political and economic issues) that influence individual behaviour and actions.  |
| <b>e450</b>   | <b>Individual attitudes of health professionals</b>  |
|   | General or specific opinions and beliefs of health professionals about the person or about other matters (e.g. social, political and economic issues) that influence individual behaviour and actions.   |
| <b>e570</b>   | <b>Social security services, systems and policies</b>  |
|   | Services, systems and policies aimed at providing income support to people who because of age, poverty, unemployment, health condition or disability require public assistance that is funded either by general tax revenues or contributory schemes.<br><i>Exclusion: economic services, systems and policies (e565)</i>              |
| <b>e580</b>   | <b>Health services, systems and policies</b>   |
|   | Services, systems and policies for preventing and treating health problems, providing medical rehabilitation and promoting a healthy lifestyle.<br><i>Exclusion: general social support services, systems and policies (e575)</i>  |