

## COMPREHENSIVE ICF CORE SET for OBSTRUCTIVE PULMONARY DISEASES

<b>BODY FUNCTIONS</b> = physiological functions of body systems (including psychological functions)	
<b>b130</b>	<b>Energy and drive functions</b>
	<p><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></p> <p><i>Inclusions: functions of energy level, motivation, appetite, craving (including craving for substances that can be abused) and impulse control</i></p> <p><i>Exclusions: consciousness functions (b110); temperament and personality functions (b126); sleep functions (b134); psychomotor functions (b147); emotional functions (b152)</i></p>
<b>b134</b>	<b>Sleep functions</b>
	<p><b>General mental functions of periodic, reversible and selective physical and mental disengagement from one's immediate environment accompanied by characteristic physiological changes.</b></p> <p><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></p> <p><i>Exclusions: consciousness functions (b110); energy and drive functions (b130); attention functions (b140); psychomotor functions (b147)</i></p>
<b>b152</b>	<b>Emotional functions</b>
	<p><b>Specific mental functions related to the feeling and affective components of the processes of the mind.</b></p> <p><i>Inclusions: functions of appropriateness of emotion, regulation and range of emotion; affect; sadness, happiness, love, fear, anger, hate, tension, anxiety, joy, sorrow; lability of emotion; flattening of affect</i></p> <p><i>Exclusions: temperament and personality functions (b126); energy and drive functions (b130)</i></p>
<b>b1522</b>	<b>Range of motion</b>
	<b>Mental functions that produce the spectrum of experience of arousal of affect or feelings such as love, hate, anxiousness, sorrow, joy, fear and anger.</b>
<b>b280</b>	<b>Sensation of pain</b>
	<p><b>Sensation of unpleasant feeling indicating potential or actual damage to some body structure.</b></p> <p><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></p>
<b>b2801</b>	<b>Pain in body part</b>
	<b>Sensation of unpleasant feeling indicating potential or actual damage to some body structure felt in a specific part, or parts, of the body.</b>
<b>b310</b>	<b>Voice functions</b>
	<p><b>Functions of the production of various sounds by the passage of air through the larynx.</b></p> <p><i>Inclusions: functions of production and quality of voice; functions of phonation, pitch, loudness and other qualities of voice; impairments such as aphonia, dysphonia, hoarseness, hypernasality and hyponasality</i></p> <p><i>Exclusions: mental functions of language (b167); articulation functions (b320)</i></p>
<b>b410</b>	<b>Heart functions</b>
	<p><b>Functions of pumping the blood in adequate or required amounts and pressure throughout the body.</b></p> <p><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></p> <p><i>Exclusions: blood vessel functions (b415); blood pressure functions (b420); exercise tolerance functions (b455)</i></p>
<b>b430</b>	<b>Haematological system functions</b>
	<p><b>Functions of blood production, oxygen and metabolite carriage, and clotting.</b></p> <p><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></p> <p><i>Exclusions: functions of the cardiovascular system (b410-b429); immunological system functions (b435); exercise tolerance functions (b455)</i></p>
<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 fatiguability</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>b530</b>	<b>Weight maintenance functions</b>
	<p><b>Functions of maintaining appropriate body weight, including weight gain during the developmental period.</b></p> <p><i>Inclusions: functions of maintenance of acceptable Body Mass Index (BMI); impairments such as underweight, cachexia, wasting, overweight, emaciation and such as in primary and secondary obesity</i></p> <p><i>Exclusions: assimilation functions (b520); general metabolic functions (b540); endocrine gland functions (b555)</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>
<b>b740</b>	<b>Muscle endurance functions</b>
	<p><b>Functions related to sustaining muscle contraction for the required period of time.</b></p> <p><i>Inclusions: functions associated with sustaining muscle contraction for isolated muscles and muscle groups, and all muscles of the body; impairments such as in myasthenia gravis</i></p> <p><i>Exclusions: exercise tolerance functions (b455); muscle power functions (b730); muscle tone functions (b735)</i></p>
<b>b780</b>	<b>Sensations related to muscles and movement functions</b>
	<p><b>Sensations associated with the muscles or muscle groups of the body and their movement.</b></p> <p><i>Inclusions: sensations of muscle stiffness and tightness of muscles, muscle spasm or constriction, and heaviness of muscles</i></p> <p><i>Exclusion: sensation of pain (b280)</i></p>

**BODY STRUCTURES**

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

<b>s410</b>	<b>Structure of cardiovascular system</b>
<b>s430</b>	<b>Structure of respiratory system</b>
<b>s710</b>	<b>Structure of head and neck region</b>
<b>s720</b>	<b>Structure of shoulder region</b>
<b>s760</b>	<b>Structure of trunk</b>

<b>ACTIVITIES AND PARTICIPATION</b>	
= execution of a task or action by an individual and involvement in a life situation	
<b>d230</b>	<b>Carrying out daily routine</b>
	Carrying out simple or complex and coordinated actions in order to plan, manage and complete the requirements of day-to-day procedures or duties, such as budgeting time and making plans for separate activities throughout the day. <i>Inclusions: managing and completing the daily routine; managing one's own activity level</i> <i>Exclusion: undertaking multiple tasks (d220)</i>
<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. <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. <i>Inclusions: changing body position from lying down, from squatting or kneeling, from sitting or standing, bending and shifting the body's centre of gravity</i> <i>Exclusion: transferring oneself (d420)</i>
<b>d430</b>	<b>Lifting and carrying objects</b>
	Raising up an object or taking something from one place to another, such as when lifting a cup or carrying a child from one room to another. <i>Inclusions: lifting, carrying in the hands or arms, or on shoulders, hip, back or head; putting down</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. <i>Inclusions: walking short or long distances; walking on different surfaces; walking around obstacles</i> <i>Exclusions: transferring oneself (d420); moving around (d455)</i>
<b>d455</b>	<b>Moving around</b>
	Moving the whole body from one place to another by means other than walking, such as climbing over a rock or running down a street, skipping, scampering, jumping, somersaulting or running around obstacles. <i>Inclusions: crawling, climbing, running, jogging, jumping and swimming</i> <i>Exclusions: transferring oneself (d420); walking (d450)</i>
<b>d460</b>	<b>Moving around in different locations</b>
	Walking and moving around in various places and situations, such as walking between rooms in a house, within a building or down the street of a town. <i>Inclusions: moving around within the home, crawling or climbing within the home; walking or moving within buildings other than the home, and outside the home and other buildings</i>
<b>d465</b>	<b>Moving around using equipment</b>
	Moving the whole body from place to place, on any surface or space, by using specific devices designed to facilitate moving or create other ways of moving around, such as with skates, skis, or scuba equipment, or moving down the street in a wheelchair or a walker. <i>Exclusions: transferring oneself (d420); walking (d450); moving around (d455); using transportation (d470); driving (d475)</i>
<b>d470</b>	<b>Using transportation</b>
	Using transportation to move around as a passenger, such as being driven in a car or on a bus, rickshaw, jitney, animal-powered vehicle, or private or public taxi, bus, train, tram, subway, boat or aircraft. <i>Inclusions: using human-powered transportation; using private motorized or public transportation</i> <i>Exclusions: moving around using equipment (d465); driving (d475)</i>
<b>d475</b>	<b>Driving</b>
	Being in control of and moving a vehicle or the animal that draws it, travelling under one's own direction or having at one's disposal any form of transportation, such as a car, bicycle, boat or animal-powered vehicle. <i>Inclusions: driving human-powered transportation, motorized vehicles, animal-powered vehicles</i> <i>Exclusions: moving around using equipment (d465); using transportation (d470)</i>
<b>d4750</b>	<b>Driving human-powered transportation</b>
	Driving a human-powered vehicle, such as a bicycle, tricycle, or rowboat.
<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. <i>Inclusions: washing body parts, the whole body; and drying oneself</i> <i>Exclusions: caring for body parts (d520); toileting (d530)</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. <i>Inclusions: putting on or taking off clothes and footwear and choosing appropriate clothing</i>
<b>d570</b>	<b>Looking after one's health</b>
	Ensuring physical comfort, health and physical and mental well-being, such as by maintaining a balanced diet, and an appropriate level of physical activity, keeping warm or cool, avoiding harms to health, following safe sex practices, including using condoms, getting immunizations and regular physical examinations. <i>Inclusions: ensuring one's physical comfort; managing diet and fitness; maintaining one's health</i>
<b>d620</b>	<b>Acquisition of goods and services</b>
	Selecting, procuring and transporting all goods and services required for daily living, such as selecting, procuring, transporting and storing food, drink, clothing, cleaning materials, fuel, household items, utensils, cooking ware, domestic appliances and tools; procuring utilities and other household services. <i>Inclusions: shopping and gathering daily necessities</i> <i>Exclusion: acquiring a place to live (d610)</i>
<b>d640</b>	<b>Doing housework</b>
	Managing a household by cleaning the house, washing clothes, using household appliances, storing food and disposing of garbage, such as by sweeping, mopping, washing counters, walls and other surfaces; collecting and disposing of household garbage; tidying rooms, closets and drawers; collecting, washing, drying, folding and ironing clothes; cleaning footwear; using brooms, brushes and vacuum cleaners; using washing machines, driers and irons. <i>Inclusions: washing and drying clothes and garments; cleaning cooking area and utensils; cleaning living area; using household appliances, storing daily necessities and disposing of garbage</i> <i>Exclusions: acquiring a place to live (d610); acquisition of goods and services (d620); preparing meals (d630); caring for household objects (d650); caring for others (d660)</i>
<b>d650</b>	<b>Caring for household objects</b>
	Maintaining and repairing household and other personal objects, including house and contents, clothes, vehicles and assistive devices, and caring for plants and animals, such as painting or wallpapering rooms, fixing furniture, repairing plumbing, ensuring the proper working order of vehicles, watering plants, grooming and feeding pets and domestic animals. <i>Inclusions: making and repairing clothes; maintaining dwelling, furnishings and domestic appliances; maintaining vehicles; maintaining assistive devices; taking care of plants (indoor and outdoor) and animals</i> <i>Exclusions: acquiring a place to live (d610); acquisition of goods and services (d620); doing housework (d640); caring for others (d660); remunerative employment (d850)</i>
<b>d660</b>	<b>Assisting others</b>
	Assisting household members and others with their learning, communicating, self-care, movement, within the house or outside; being concerned about the well-being of household members and others. <i>Inclusions: assisting others with self-care, movement, communication, interpersonal relations, nutrition and health maintenance</i> <i>Exclusion: remunerative employment (d850)</i>
<b>d770</b>	<b>Intimate relationships</b>
	Creating and maintaining close or romantic relationships between individuals, such as husband and wife, lovers or sexual partners. <i>Inclusions: romantic, spousal and sexual relationships</i>
<b>d845</b>	<b>Acquiring, keeping and terminating a job</b>
	Seeking, finding and choosing employment, being hired and accepting employment, maintaining and advancing through a job, trade, occupation or profession, and leaving a job in an appropriate manner. <i>Inclusions: seeking employment; preparing a resume or curriculum vitae; contacting employers and preparing interviews; maintaining a job; monitoring one's own work performance; giving notice; and terminating a job</i>
<b>d850</b>	<b>Remunerative employment</b>
	Engaging in all aspects of work, as an occupation, trade, profession or other form of employment, for payment, as an employee, full or part time, or self-employed, such as seeking employment and getting a job, doing the required tasks of the job, attending work on time as required, supervising other workers or being supervised, and performing required tasks alone or in groups. <i>Inclusions: self-employment, part-time and full-time employment</i>
<b>d910</b>	<b>Community life</b>
	Engaging in all aspects of community social life, such as engaging in charitable organizations, service clubs or professional social organizations. <i>Inclusions: informal and formal associations; ceremonies</i> <i>Exclusions: non-remunerative employment (d855); recreation and leisure (d920); religion and spirituality (d930); political life and citizenship (d950)</i>
<b>d920</b>	<b>Recreation and leisure</b>
	Engaging in any form of play, recreational or leisure activity, such as informal or organized play and sports, programmes of physical fitness, relaxation, amusement or diversion, going to art galleries, museums, cinemas or theatres; engaging in crafts or hobbies, reading for enjoyment, playing musical instruments; sightseeing, tourism and travelling for pleasure. <i>Inclusions: play, sports, arts and culture, crafts, hobbies and socializing</i> <i>Exclusions: riding animals for transportation (d480); remunerative and non-remunerative work (d850 and d855); religion and spirituality (d930); political life and citizenship (d950)</i>

<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. <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. <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. <i>Inclusions: general and assistive products and technology for personal indoor and outdoor mobility and transportation</i>
<b>e150</b>	<b>Design, construction and building products and technology of buildings for public use</b>
	Products and technology that constitute an individual's indoor and outdoor human-made environment that is planned, designed and constructed for public use, including those adapted or specially designed. <i>Inclusions: design, construction and building products and technology of entrances and exits, facilities and routing</i>
<b>e155</b>	<b>Design, construction and building products and technology of buildings for private use</b>
	Products and technology that constitute an individual's indoor and outdoor human-made environment that is planned, designed and constructed for private use, including those adapted or specially designed. <i>Inclusions: design, construction and building products and technology of entrances and exits, facilities and routing</i>
<b>e225</b>	<b>Climate</b>
	Meteorological features and events, such as the weather. <i>Inclusions: temperature, humidity, atmospheric pressure, precipitation, wind and seasonal variations</i>
<b>e245</b>	<b>Time-related changes</b>
	Natural, regular or predictable temporal change. <i>Inclusions: day/night and lunar cycles</i>
<b>e2450</b>	<b>Day/night cycles</b>
	Natural, regular and predictable changes from day through to night and back to day, such as day, night, dawn and dusk.
<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. <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. <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>e340</b>	<b>Personal care providers and personal assistants</b>
	Individuals who provide services as required to support individuals in their daily activities and maintenance of performance at work, education or other life situation, provided either through public or private funds, or else on a voluntary basis, such as providers of support for home-making and maintenance, personal assistants, transport assistants, paid help, nannies and others who function as primary caregivers. <i>Exclusions: immediate family (e310); extended family (e315); friends (e320); general social support services (e5750); health professionals (e355)</i>
<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. <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>e460</b>	<b>Societal attitudes</b>
	General or specific opinions and beliefs generally held by people of a culture, society, subcultural or other social group about other individuals or about other social, political and economic issues that influence group or individual behaviour and actions.

<b>e540</b>	<b>Transportation services, systems and policies</b>
	Services, systems and policies for enabling people or goods to move or be moved from one location to another.
<b>e555</b>	<b>Associations and organizational services, systems and policies</b>
	Services, systems and policies relating to groups of people who have joined together in the pursuit of common, noncommercial interests, often with an associated membership structure.
<b>e575</b>	<b>General social support services, systems and policies</b>
	Services, systems and policies aimed at providing support to those requiring assistance in areas such as shopping, housework, transport, self-care and care of others in order to function more fully in society. <i>Exclusions: personal care providers and personal assistants (e340); social security services, systems and policies (e570); health services, systems and policies (e580)</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. <i>Exclusion: general social support services, systems and policies (e575)</i>
<b>e585</b>	<b>Education and training services, systems and policies</b>
	Services, systems and policies for the acquisition, maintenance and improvement of knowledge, expertise and vocational or artistic skills. See UNESCO's International Standard Classification of Education (ISCED-1997).
<b>e590</b>	<b>Labour and employment services, systems and policies</b>
	Services, systems and policies related to finding suitable work for persons who are unemployed or looking for different work, or to support individuals already employed who are seeking promotion. <i>Exclusion: economic services, systems and policies (e565)</i>