



المؤسسة العامة للتأمينات الاجتماعية
General Organization for Social Insurance

SCHEDULE OF OCCUPATIONAL DISEASES

Kingdom of Saudi Arabia

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General terms and guidelines

1- The occupational disease listed in this schedule is the disease where the contributor contracted as a result of exposure to substances and dangerous conditions in processes, trades or occupations taking into account the specific conditions set forth therein.

2- Two criteria were used to determine diseases for inclusion in the schedule.

i. Strong causal relationship between the disease and occupational exposure.

ii. The disease occurs among a group of exposed persons with a frequency above the average morbidity of the rest of the population.

3- The main purpose of developing this schedule is for compensation of approved occupational disease cases according to GOSI law.

4- The schedule is expected to help in attaining the following objectives:

i. Raise awareness to the importance of prevention and that measures can be taken to reduce the incidence of occupational diseases.

ii. Assist in uniformity and reliability of identifying, recognizing, and registering occupational diseases at a national level.

5- It should be considered that quitting work for any reason, or working in other jobs in the same or other establishments, should not deprive the worker from the right to evaluate and approve his condition or illness as an occupational disease when special conditions of the disease are met, provided that the disease appears within the maximum periods set forth in this schedule or based on the most recent scientific

evidence. When there is no reference regarding the maximum period for the disease to appear, the medical committee should decide that.

6- When evaluating occupational diseases, the medical committees should base their decisions solely on medical and occupational history, clinical symptoms, pre-placement and periodic examination, medical reports, laboratory tests, in addition to occupational hygiene assessment of the work environment, which should be based on the internationally recognizable permissible limits.

List of Occupational Diseases

1. Occupational diseases caused by exposure to agents arising from work activities

(In the application of this list, the degree and type of exposure and the work or occupation involving a particular risk of exposure should be taken into account when appropriate)

- 1.1. Diseases caused by chemical agents*
- 1.2. Diseases caused by physical agents*
- 1.3. Biological agents and infectious or parasitic diseases*

2. Occupational diseases by target organ systems

- 2.1. Respiratory diseases*
- 2.2. Skin diseases*
- 2.3. Musculoskeletal disorders*

3. Occupational cancer

4. Other diseases

1.1. DISEASES CAUSED BY CHEMICAL AGENTS

Code	Causative agent	Any occupation involving
1.1.1	Diseases caused by beryllium or its compounds	The use or handling of , and exposure to the fumes, dust or vapor of , beryllium or a compound of beryllium, or a substance containing beryllium
1.1.2	Diseases caused by cadmium or its compounds	Exposure to cadmium dust or fumes
1.1.3	Diseases caused by phosphorus or its compounds	The use or handling of , and exposure to the fumes, dust or vapor of phosphorous or a compound of phosphorous, or a substance containing phosphorous
1.1.4	Diseases caused by chromium or its compounds	The use or handling of , and exposure to the fumes, dust or vapor of , chromium or a compound of chromium, or a substance containing chromium
1.1.5	Diseases caused by manganese or its compounds	The use or handling of , and exposure to the fumes, dust or vapor of , manganese or a compound of manganese, or a substance containing manganese

1.1.6	Diseases caused by arsenic or its compounds	The use or handling of , and exposure to the fumes, dust or vapor of, arsenic or a compound of arsenic, or a substance containing arsenic
1.1.7	Diseases caused by mercury or its compounds	The use or handling of , and exposure to the fumes, dust or vapor of , mercury or a compound of mercury , or a substance containing mercury
1.1.8	Diseases caused by lead or its compounds	The use or handling of , and exposure to the fumes, dust or vapor of, lead or a compound of lead , or a substance containing lead
1.1.9	Diseases caused by fluorine or its compounds	The use or handling of, and exposure to fluorine, or its compounds.
1.1.10	Diseases caused by carbon disulfide	The use or handling of, or exposure to the fumes or vapor containing carbon disulfide or a compound of carbon disulfide, or a substance containing carbon disulfide.
1.1.11	Diseases caused by halogen derivatives of aliphatic or aromatic hydrocarbons	The use or handling of, or exposure to halogen derivatives of aliphatic or aromatic hydrocarbons.
1.1.12	Diseases caused by benzene or its homologues	The use or handling of, or exposure to, the fumes of or vapor containing, benzene or its homologues

1.1.13	Diseases caused by nitro- and amino-derivatives of benzene or its homologues	The use or handling of, or exposure to the fumes of, or vapor containing, a nitro- or amino- or chloro- derivatives of benzene, or of a homologue derivative of benzene
1.1.14	Diseases caused by nitroglycerine or other nitric acid esters	The use or handling of, or exposure to the fumes or vapor or dust of nitroglycerin or nitroglycol or a substance containing, nitroglycerin or nitroglycol
1.1.15	Diseases caused by alcohols, glycols or ketones	The use or handling of, or exposure to alcohols, glycols or ketones.
1.1.16	Diseases caused by asphyxiants like carbon monoxide, hydrogen sulfide, hydrogen cyanide or its derivatives	Exposure to the fumes, or vapor of carbon monoxide or hydrogen cyanide or hydrogen sulphide, or their toxic derivatives.
1.1.17	Diseases caused by acrylonitrile	The use or handling of, or exposure to acrylonitrile.
1.1.18	Diseases caused by oxides of nitrogen	Exposure to oxides of nitrogen
1.1.19	Diseases caused by vanadium or its compounds	The use or handling of, or exposure to vanadium or its compounds.

1.1.20	Diseases caused by antimony or its compounds	The use or handling of, or exposure to antimony or its compounds.
1.1.21	Diseases caused by hexane	The use or handling of, or exposure to the fumes or vapor containing, n-hexane or methyl n- butyl ketone
1.1.22	Diseases caused by mineral acids	The use or handling of, or exposure to mineral acids.
1.1.23	Diseases caused by pharmaceutical agents	The use or handling of, or exposure to steroid, cytotoxic drugs and antibiotics.
1.1.24	Diseases caused by nickel or its compounds	The use or handling of , and exposure to the fumes, dust , vapor or gas of nickel or a compound of nickel, or a substance containing nickel
1.1.25	Diseases caused by thallium or its compounds	The use or handling of, or exposure to thallium or its compounds.
1.1.26	Diseases caused by osmium or its compounds	The use or handling of, or exposure to osmium or its compounds.
1.1.27	Diseases caused by selenium or its compounds	The use or handling of, or exposure to selenium or its compounds.

1.1.28	Diseases caused by copper or its compounds	The use or handling of, or exposure to copper or its compounds.
1.1.29	Diseases caused by platinum or its compounds	The use or handling of, or exposure to platinum or its compounds.
1.1.30	Diseases caused by tin or its compounds	The use or handling of, or exposure to tin or its compounds.
1.1.31	Diseases caused by zinc or its compounds	The use or handling of, or exposure to zinc or its compounds.
1.1.32	Diseases caused by phosgene	The use or handling of, or exposure to phosgene
1.1.33	Diseases caused by corneal irritants like benzoquinone	The use or handling of, or exposure to corneal irritants as benzoquinone.
1.1.34	Diseases caused by ammonia	The use or handling of, or exposure to ammonia.
1.1.35	Diseases caused by isocyanates	The use or handling of, or exposure to isocyanates.

1.1.36	Diseases caused by pesticides	The use or handling of, or exposure to pesticides.
1.1.37	Diseases caused by sulphur oxides	The use or handling of, or exposure to sulphur oxides.
1.1.38	Diseases caused by organic solvents	The use or handling of, or exposure to organic solvents.
1.1.39	Diseases caused by latex or latex-containing products	The use or handling of, or exposure to latex or latex-containing products.
1.1.40	Diseases caused by chlorine	The use or handling of, or exposure to chlorine.

1.2. DISEASES CAUSED BY PHYSICAL AGENTS

Code	Causative agent	Any occupation involving
1.2.1	Hearing impairment caused by noise	Exposure to noise more than 85 decibels for 8 hours/day for at least 10 years
1.2.2	Diseases caused by vibration (disorders of muscles, tendons, bones, joints, peripheral blood vessels or peripheral nerves)	The use of hand held vibrating tools, use or driving industrial trucks or machines, articulated trucks and lorries.
1.2.3	Diseases caused by compressed or decompressed air	Working under low or high atmospheric pressure
1.2.4	Diseases caused by ionizing radiations	Frequent or prolonged exposure to alpha, beta molecules, gamma or x-rays.
1.2.5	Diseases caused by optical (ultraviolet, visible light, infrared) radiations including laser	Frequent or prolonged exposure to ultraviolet or infrared or laser rays
1.2.6	Diseases caused by exposure to extreme temperatures	Frequent or prolonged exposure to high or low temperature.

1.3. BIOLOGICAL AGENTS AND INFECTIOUS OR PARASITIC DISEASES

Code	Causative agent	Any occupation involving
1.3.1	Brucella (Brucellosis)	Contact with animal infected by Brucella or their carcasses or parts thereof , or their untreated products or laboratory specimens containing Brucella
1.3.2	Hepatitis viruses HBV,HCV	<p>Exposure to the blood or its products or to other body fluids or tissues of diseased patients , the following criteria <u>MUST</u> be available:</p> <ul style="list-style-type: none">1- Documented negative pre-placement test2- Official incident report documenting the exposure3- Documented positive test of the source patient of infection, by laboratory investigations and medical records4- Laboratory investigations from time of exposure up to six months or until it becomes positive which is first (zero time – one month time – three months' time– six months' time).

1.3.3	Human Immunodeficiency Virus (AIDS)	<p>Exposure to blood or its products or to other y fluids or tissues of diseased patients , the following criteria <u>MUST</u> be available:</p> <ol style="list-style-type: none"> 1- Documented negative pre-placement test 2- Official incident report documenting the exposure 3- Documented positive test of the source patient of infection, by laboratory investigations and medical records 4- Laboratory investigations from time of exposure up to six months or until it become positive which is first (zero time – one month time – three months' time– six months' time).
1.3.4	Clostridium tetani (Tetanus)	Works in sewage systems and contact with infected animals or its remnants, sanitary workers or healthcare workers.
1.3.5	Mycobacterium tuberculosis (Tuberculosis)	Frequent and close contact with a source of tuberculous infection
1.3.6	Pseudomonas mallei (Glanders)	Contact with equine animals or their carcasses
1.3.7	Bacillus anthracis (Anthrax)	Contact with animals infected with anthrax or with their products or residues

1.3.8	Leptospira (Leptospirosis)	Work in places that are invested by rats or dogs or contact with bovine animals or their meat products
1.3.9	Chlamydia psittaci (Avian /Ovine chlamydiosis)	Contact with infected birds or sheep or with the remains or untreated products

2.1. OCCUPATIONAL RESPIRATORY DISEASES

Code	Disease	Any occupation involving
2.1.1	Pneumoconiosis caused by fibrogenic mineral dust	Exposure to any of the following agents: Silica, asbestos, coal, beryllium, tungsten carbide.
2.1.2	Silicotuberculosis	Exposure to silica increases worker's risk of tuberculosis infection and aggravates pre-existing pulmonary tuberculosis.
2.1.3	Pneumoconiosis caused by non-fibrogenic mineral dust	Exposure to any of the following agents: Iron, tin, barium
2.1.4	Siderosis	Exposure to the dust or fumes of iron
2.1.5	Bronchopulmonary diseases caused by hard-metal dust	Exposure to the dust of tungsten carbide, cobalt or mixture of cobalt and diamond
2.1.6	Bronchopulmonary diseases caused by dust of cotton (byssinosis), flax, hemp, or sugar cane (bagassosis)	Exposure to any of the following agents: cotton fibers, flax, hemp, or sugar cane
2.1.7	Asthma and rhinitis caused by recognized sensitizing agents or irritants inherent to the work process.	Exposure to gas, dust, fumes, or vapors of chemical or organic materials known to cause asthma or rhinitis.

2.1.8	Extrinsic allergic alveolitis caused by the inhalation of organic dusts or microbially contaminated aerosols, arising from work activities.	Exposure to moulds or fungal spores or heterologous proteins by employment in agriculture or forestry, loading or unloading or handling storage moldy vegetable matter, caring for or handling birds, and handling bagasse
2.1.9	Chronic obstructive pulmonary diseases	Inhalation of coal dust, dust from stone quarries, wood dust, dust from cereals and agricultural work, dust in animal stables, dust from textiles, paper dust, and arising from work activities
2.1.10	Diseases of the lung caused by aluminum (Aluminosis)	Exposure to aluminum dust or fumes
2.1.11	Upper airways disorders caused by recognized sensitizing agents or irritants inherent to the work process	Exposure to gas, dust, fumes, or vapors of chemical or organic materials known to cause upper airways disorders.

2.2. OCCUPATIONAL SKIN DISEASES

Code	Disease	Any occupation involving
2.2.1	Allergic contact dermatoses and contact urticaria caused by other recognized allergy-provoking agents arising from work activities not included in other items	Exposure to allergic agents which strongly documented to cause allergic contact dermatitis
2.2.2	Irritant contact dermatoses caused by other recognized irritant agents arising from work activities not included in other items	Exposure to irritant agents which strongly documented to cause irritant contact dermatitis
2.2.3	Vitiligo caused by other recognized agents arising from work activities not included in other items	The use or handling of, or exposure to para-tertiary-butylphenol, para-tertiary-butylcatechol, para-amylphenol, or hydroquinone.

2.3. WORK-RELATED MUSCULOSKELETAL DISORDERS

Code	Disease	Any occupation involving
2.3.1	Radial styloid (De Quervain's) tenosynovitis	Exposure to repetitive movements, forceful exertions and extreme postures of the wrist
2.3.2	Chronic tenosynovitis of hand and wrist	Exposure to repetitive movements, forceful exertions and extreme postures of the wrist
2.3.3	Olecranon bursitis	Exposure to prolonged pressure of the elbow region
2.3.4	Prepatellar bursitis	Exposure to prolonged kneeling position
2.3.5	Epicondylitis	Exposure to repetitive forceful work
2.3.6	Meniscus lesions	Exposure to extended periods of work in a kneeling or squatting position
2.3.7	Carpal tunnel syndrome	Exposure to extended periods of repetitive forceful work, work involving vibration, extreme postures of the wrist, or a combination of the three

Code	Disease	Any occupation involving
2.3.8.	<p>Chronic occupational low back disorders: (Degenerative changes of intervertebral discs with herniation of lumbosacral Discs (L4/5 – L5/S1) and radiculopathy.</p>	<p>All of the following criteria MUST be met:</p> <p>1- Age of 35 years or less at hiring.</p> <p>2- Working for at least 10 years in heavy manual work.</p> <p>3- Frequent (more than 15 times per day) heavy weight (25 kg or more) lifting / or upward lifting/ or pulling / or pushing / or bending or twisting of the trunk/ or whole body vibration.</p>

3. OCCUPATIONAL CANCER

Code	Disease	Any occupation involving
3-1	Lung Cancer	Exposure to any of the followings: Arsenic, cadmium, chromium (VI), beryllium, nickel, coal, coal-tar pitch, soot, ionizing radiation, asbestos, silica, bis- chloromethyl ether.
3-2	Nasal cavity and para-nasal sinus	Exposure to any of the followings : Nickel, wood dust, leather industry,
3-3	Leukemia	Exposure to any of the followings : Benzene, formaldehyde, rubber production industry, ionizing radiation.
3-4	Skin Cancer	Exposure to any of the followings : Mineral oils, arsenic, pitch, tar, soot, bitumen, ultra violet and ionizing radiation.
3-5	Liver cancer and bile duct	Exposure to any of the followings : Vinyl chloride monomer, Hepatitis B virus, Hepatitis C virus
3-6	Urinary bladder	Exposure to any of the followings : 2- Naphthylamine, Benzidine, Auramine production, Magenta production, rubber production industry, aluminum production, X-radiation, gamma-radiation.
3-7	Mesothelium (pleura and peritoneum)	Exposure to asbestos

4. OTHER DISEASES

Code	Diseases	Any occupation involving
4.1.	Lower limb varicose veins	Standing for at least 4 hours per day for 2 years or more in the same occupation
4.2.	Direct inguinal hernia	Frequent (more than 15 times per day) heavy weight (25 kg or more) lifting / or upward lifting/ or pulling / or pushing / or carrying for 2 years or more