

## Notification of the Road Accident Victims Protection Board

Re: Fundamental Standard for Particulars and Amounts of Medical Expenses and Necessary Expenses Relating to Medical Services which Insurance Companies or Motor Victim Compensation Fund are required to Compensate Motor Vehicle Victims

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By virtue of Section 6 *bis* of the Protection for Motor Vehicle Victims Act B.E. 2535 (1992), the Road Accident Victims Protection Board hereby issues the Notification prescribing fundamental standard for particulars and amounts of medical expenses and necessary expenses relating to medical services which insurance companies or Motor Victim Compensation Fund are required to compensate motor vehicle victims as follow:

Clause 1 A non-life insurance company which insures a vehicle under the Protection for Motor Vehicle Victims Act B.E. 2535 (1992), Road Accident Victims Protection Company Limited, and the Motor Victim Compensation Fund shall proceed to pay preliminary compensation for bodily injury of a motor vehicle victim in an actual amount of payment but not exceeding the highest amount prescribed by the Ministerial Regulation. Each particular of compensation shall be paid at the rate not exceeding the highest price determined pursuant to the fundamental standard for particulars and amounts of medical expenses and necessary expenses relating to medical services which non-life insurance companies or Motor Victim Compensation Fund are required to compensate motor vehicle victims.

Clause 2 The fundamental standard for particulars and amounts of medical expenses and necessary expenses relating to medical services which non-life insurance companies or Motor Victim Compensation Fund are required to compensate motor vehicle victims shall be in accordance with the definitions, list of particulars and rates of medical expenses attached to this Notification.

Clause 3 Any other part of the central standard for particulars and amounts of medical expenses and necessary expenses relating to medical services which was prescribed by this Notification or is in contrary to or in conflict with that under this Notification, this Notification shall prevail.

Clause 4 This Notification shall take effect as from 1 October B.E. 2547 (2004) onwards.

Notified on this 31<sup>st</sup> day of August B.E. 2547 (2004).

Permanent Secretary of the Ministry of Commerce

Chairman of the Road Accident Victims Protection Board

(—Seal of Department of Insurance, Ministry of Commerce—)

## Annex

### Fundamental Standard for Particulars and Amounts of Medical Expenses and Necessary Expenses Relating to Medical Services which Insurance Companies or Motor Victim Compensation Fund are Required to Compensate Motor Vehicle Victims (Definition of List of Medical Expense Rates for Motor Vehicle Victims)

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An assertion of the rights to receive medical expenses under the Protection for Motor Vehicle Victims Act B.E. 2535 (1992) shall cover cases where a person who receives a treatment has encounters accident caused by motor vehicle, or treatment of disease in connection to such accident.

#### Section 1

##### 1. Medical Services Expenses are:

##### 1.1 Hospital Medical Expenses comprising:

##### 1.1.1 Drugs and Parenteral Nutrition

means drugs and parenteral nutrition for treatment purposes, based on the following criteria:

- a. drugs, or substances registered as drugs by the Food and Drug Administration, Ministry of Public Health, under the modern drug category.
- b. drugs, or substances registered as drugs by the Food and Drug Administration, Ministry of Public Health, under the traditional drug category.
- c. drugs manufactured by the Government Pharmaceutical Organization, Thai Red Cross Society, and exempted government agencies authorised to manufacture drugs with no permissions required.
- d. drugs which a licensed medical facility under the law makes by itself in compliance with the pharmaceutical standards to substitute those registered with the Food and Drug Administration as to apply with patients of that medical facility.
- e. herbal medicine under the traditional drug category or Thai traditional medicine announced by the Ministry of Public Health.

Drugs and parenteral nutrition costs are separated into 3 categories as follows:

**1.1.1 (1) In-patient Medication** means medication dispensed in an actual treatment whilst a patient is admitted in the hospital as an in-patient, including general anaesthetic used during medical operation.

**1.1.1 (2) Home Medication** means medication administered by a physician for the purpose of continuous treatment following the case of an in-patient who is discharged from the hospital, provided the medication must be to treat the disease that causes the person to be admitted in the hospital as an in-patient, and/or that is in connection with such motor vehicle accident.

**1.1.1 (3) Out-patient Medication** means medication dispensed in an actual treatment on a patient who receives the treatment as an out-patient.

Additionally, the substances registered as medical foods, and supplemental products (dietary supplements) with the Food and Drug Administration, Ministry of Public Health, as well as feeding tube diets prepared by the medical facility itself in compliance with the nutritional standards, shall be classified in the diet category under Subsection 2.3.

**1.1.2 Medical Supplies which are not drugs**

means instruments or equipment used in treatment of patients are separated into 3 categories as follows:

**1.1.2 (1) Medical Supplies 1** means medical disposal supplies (single-used), e.g., silicone tubes, surgical drains, syringe, solusets, microdrip sets, gloves, splints.

**1.1.2 (2) Medical Supplies 2** means medical equipment applied primarily outside the body of a patient (Prosthetics and Orthotics), e.g., prostheses and orthoses, collars, canes, crutches, wheelchairs, dentures, disability foot wears (as listed).

**1.1.2 (3) Medical Supplies 3** means medical instruments or equipment implanted in the body of a patients, e.g., intramedullary rods and nails, prosthetic heart valves, intraocular lens.

*(In this regard, with respect to medical supplies under Subsections 1.1.2 (2) and 1.1.2 (3), the consideration shall be made based on indications and medical necessities in relation to treatments of motor vehicle victims.)*

**1.1.3 Blood Transfusion Services and Blood Components (as listed in the Annex)**

means expenses of a separation, preparation, treatment, and diagnosis for the purposes of transfusion of blood and blood components (the price for blood transfusion is set out under Medical Supply Costs, Subsection 1.1.2 (1)).

Disbursement Guidelines:

(1) For blood and blood components transfusion services, the cost shall include expenses for procurement, separation, preparation for storage of blood and blood components, as well as venue fees, Administration and staff service fees in relation to the blood bank.

(2) For blood compatibility test, the cost shall be charged in accordance with the list under Subsection 1.1.3 (7).

(3) Service fees for receiving, transportation, or transfusion of blood and blood components, and venipuncture shall not be further charged.

#### **1.1.4 Laboratory Investigation and Pathology (as listed in the Annex)**

means expenses of laboratory investigation and pathology tests in disease diagnosis and analysis, e.g., blood tests and biochemical substance tests, urinalysis, biopsy tests, immunological tests, **not including doctor's fees (if any)**, e.g., a biopsy reading by pathologist.

In addition, for an expense of minor particulars which incurs doctor's fees, and which the medical facility does not perform the medical service of that particular itself but instead uses that of other service provider, the expense may be declared in a lump sum amount which is inclusive of doctor's fees (provided such doctor's fees must be specified).

#### **1.1.5 Diagnostic Radiology and Radiotherapy (as listed in the Annex)**

means expenses of provision of services relating to diagnostic radiology, radiotherapy, and medical imaging, **not including doctor's fees (if any)**, e.g., standard diagnostic imaging, computerized tomography scan (CT scan), ultrasound imaging, MRI imaging, echocardiography, bone scan, thyroid scan, cobalt therapy, and other radiotherapy, which are separated into 3 categories as follows: (with the details and types of the diagnosis).

**1.1.5 (1) Standard Diagnostic Imaging** means a standard diagnostic imaging service in a plain film type.

**1.1.5 (2) Special Diagnostic Imaging** means a diagnostic imaging service which requires preparation procedures, or special tools or equipment, or to which a medical operation is required as its accessory, e.g., angiography, GI series, ultrasound, CT scan, MRI, and bone scan (as per its category).

**1.1.5 (3) Radiotherapy** means a treatment given by applying radiation or radioactive substance unto a patient, e.g., cobalt therapy, radiation treatment using a medical linear accelerator.

In addition, for an expense of minor particulars which incurs doctor's fees, and which the medical facility does not perform the medical service of that particular itself but instead

uses that of other service provider, the expense may be declared in a lump sum amount which is inclusive of doctor's fees (provided such doctor's fees must be specified).

#### **1.1.6 Special Diagnostics (as listed in the Annex)**

means expenses of diagnostics conducted by using other special apparatus, **not including doctor's fees (if any)**, e.g., all kinds of endoscopy, electrocardiography, ECG exercise test, electroencephalography, electromyography, audiometry, lung functions test, **with the exception of** the use of equipment and apparatus separately charged under Subsection 1.1.7.

In addition, for an expense of minor particulars which incurs doctor's fees, and which the medical facility does not perform the medical service of that particular itself but instead uses that of other service provider, the expense may be declared in a lump sum amount which is inclusive of doctor's fees (provided such doctor's fees must be specified).

**1.1.7 Medical Equipment (as listed in the Annex)** (with details and types of equipment or apparatus)

means expenses of use, or of provision of service on equipment, supplies, durable apparatus of a hospital for or in supplementary to a treatment, **not including doctor's fees (if any), and with the exception of** the equipment, supplies, and apparatus separately charged under any other Subsections, which are separated into 2 groups of equipment as follows:

##### **1.1.7 (1) General Medical Equipment**

means such the general medical equipment used in the Out-patient Department, emergency rooms, and wards, e.g., respirator, electrocardiograph machine, holter monitoring set, extracorporeal shock wave lithotripsy, peritoneal dialysis.

##### **1.1.7 (2) Operating Room Medical Equipment**

means special apparatus used in an operating theatre or a delivery room, e.g., C-arm, X-ray machine, stereotactic surgery instrument set, operating microscope.

Disbursement Guidelines:

- (1) Per time of use, or time of treatment.
- (2) Equipment and apparatus, medical supplies, and drugs which must be used altogether shall be arranged into sets, and the expenses of use thereof shall be per a set out equipment.
- (3) For a set of equipment which certainly comprises drugs, the price of the drugs shall be inclusive to that of the set, e.g., a suture kit shall include prices of local anesthetics and antibiotics.

(4) In the case where any equipment or apparatus is used in 1.1.14 (1) Medical Packages, the prices of such equipment or apparatus shall not be further charged.

#### **1.1.8 Operating Theatre and Delivery Room (as listed in the Annex)**

means expenses of use of an operating theatre and delivery room. An operating theatre shall mean to include expenses of basic equipment, i.e., operating table, surgical lights, suction machine, including all the equipment, anaesthetics, and public facilities, incurred from the preparation of the medical operation to the recovery of a patient, surgical gowns, operating theatre assistant fees. The costs shall be charged at the rate per a period of time, or per a primary medical procedure on which the cost is charged. The uses thereof are separated into Delivery Room, Minor Operating Theatre, Major Operating Theatre, and Recovery Room, the rate of the aforesaid shall be charged per an hour of service provided.

Disbursement Guidelines:

(1) An operating theatre and delivery room shall include costs of use of the room, table (bed), and public facilities incurred from the preparation, performance of operation, and recovery, surgical gowns, operating theatre assistant fees.

(2) Costs for using an operating theatre and delivery room shall be charged at the rate per hour of actual operation.

(3) A recovery room shall be charged at the rate per time of actual use, and charged in the same lump sum amount as an operating theatre.

(4) Operating theatre cost shall not be charged for medical procedures that are performed or able to be performed in an out-patient examination room or any other venues other than an operating theatre.

#### **1.1.9 Dental Services (as listed in the Annex) (with details and types of service)**

means expenses of use of a venue, including general equipment and durable instruments with respect to the provision of dental health services, **not including dentist's fees (if any)**.

Disbursement Guidelines:

(1) Dental service fees shall include the costs of use of venue, apparatus, equipment, medical supplies, medical materials, drugs necessary for the provision of service, as well as service fee for Administration, dental assistant fees, and staff relating to the dental department.

(2) The determining the amount, the dental service fees may whether or not include dentist's fees, but there shall be only one system of determination in a single medical facility, and that must be indicated clearly.

(3) In the case where the dentist's fees are separately charged, the charge shall be made in Subsection 1.2.3 (2).

(4) In the case where the dentist's fees are separately charged, the dental service fee amount shall be lower than the amount of fee which is inclusive of dentist's fees.

(5) Examination room, X-ray room, dental treatment room, sets of apparatus or medical supplies used in the provision of such medical service, as well as nursing service fee shall not be further charged.

#### **1.1.10 Physical Therapy**

means expenses of service provision, as well as equipment and apparatus relating to physical therapy and rehabilitation, **not including doctor's fees and/or fees for health professionals of a related field (if any)** (a fee for health professionals, for example, physical therapist which can be separately charged shall in incurred from an independent provision of services, that is to say, the person shall receive no salary only. If the health professional receives a permanent salary, such fees for health professional in the physical therapy service fees.

Disbursement Guidelines:

(1) Physical therapy service fees shall include the costs of use of apparatus, equipment, medical supplies directly necessary for the physical therapy, use of venue, service fees for Administration and for staff of physical therapy department or rehabilitation department.

(2) Physical therapy service fees shall not include doctor's fees which shall be charged under Subsection 1.2.1.

(3) Service fees shall include those of physical therapists.

(4) If there is a service provided by a physical therapist as an independent worker, the service fee thereof shall be charged under Subsection 1.2.3 (4) : Other health professionals, provided the service fees of physical therapy shall be charged at the rate which is exclusive of physical therapist, and be clearly stated (that is to say, a medical facility is required to prepare 2 list of prices, that is to say, the list that is inclusive, and that is exclusive of physical therapy service fees.

#### **1.1.11 Acupuncture**

means expenses of acupuncture service provision to treat patient, performed by the personnel who has been licensed by the government, **not including doctor's fees, and**

incurred from a treatment that is necessary for the motor vehicle victim, or resulted from such motor vehicle accident.

**1.1.12 Nursing and Midwifery Charges** (with details and types of service) (as listed in the Annex)

means service fees of the nurses for the purposes of treatment of patients in accordance with the normal standard, which are separately determined based on the complication of treatment, e.g., observation patient, general in-patient, and in-patient placed in ICU, all of which are determined to be a lump sum amount based on the rate: per day of treatment for in-patient cases; and per time of treatment for out-patient cases or observation patient cases.

Disbursement Guidelines:

(1) Nursing charges shall be determined to be a lump sum amount per day of treatment for in-patient cases, and per time of treatment for out-patient cases or observation patient cases.

(2) In the case of a patient's using more than 1 service in the same occasion, only the nursing service of the department of which the patient has mainly used the service shall be charged. For example, a patient who has been placed in an intensive care unit and moved to a standard in-patient care on that same day, the nursing charges for that day shall be charged at the rate of either an intensive care or standard in-patient care for there shall be no charges at 2 rates of expenses in the same day, or a patient comes as to receive services as an out-patient, and has been moved to an observation room on that same occasion, the nursing charges of that shall be charged at the rate of either out-patient or observation patient, for there shall be no charges at 2 rates of expenses in the same occasion.

(3) Nursing charges shall not be charged in a minorly detailed manner, for example, operating theatre, diagnostic radiology room, radiation treatment room, other special diagnostics rooms, medical packages, as the nursing charges are included in the operating theatre and delivery room cost, diagnostic radiology and radiotherapy cost, other special diagnostics, or such lump sum package.

(4) For special nursing procedures which require a set of particular equipment, e.g., urethral catheterisation, insertion of NG tube, and performance of gastric lavage, the charges shall be included in the packaged medical charges, Subsection 1.1.14 (1). In this regard, the amount shall comprise medical equipment sets, medical supplies and drugs in the set.



(5) Nursing charges is determined to cover the Standard Nursing Care with respect to the relevant services, e.g., measuring of vital signs, preparation of drugs, Administration of drugs, injection, spraying, setting up IV, blood, venipuncture, performing blood transfusion, monitoring whether or not diets flow through NG tubes, monitoring and adjusting medical devices, drying a patient's body, collecting a urine sample, administering enema.0

*(In this regard, the abovementioned expenses do not include special nursing charges, unless it is instructed by the doctor.)*

**1.1.13 Miscellaneous Health Professional Charges (with details and types of medicine practice)**

means service fee of a personnel who is classified as a health professional under the law, and the service thereof is not specified in any other sections of particulars, **with the exception of** health professional charges separately charged Subsection 1.2.3 (4).

**1.1.14 Packaged Medical Charges (with details and types of service) (as listed in the Annex)**

means expenses of medical treatment services determined in advance by a medical facility in a lump sum payment manner per each such service, which are separated into 2 categories as follows:

**1.1.14 (1) Medical Packages**

means medical treatments prepared by a medical facility as a package with the terms and details specifically determined in advance, and charged in a lump sum payment manner, e.g., urinary calculi package, laparoscopic cholecystectomy package, general wound dressing kit which shall be determined that the expense of wound dressing is to charge in a lump sum payment, whereby the particular shall specifies how many times a patient received wound dressing services received at an out-patient ward, how many times at an in-patient ward.

**1.1.14 (2) Other Medical Charges**

means an expense incurred due to provision of service that is supplemental to a treatment on a patient and the service thereof is not specified in any other sections of particulars, charged in a lump sum payment based on the complication of medical treatment, e.g., hospital charges for out-patient shall be charged per time, and hospital charges for in-patient shall be charged (per day of hospitalisation), for examples, expense of registration file, clinical photography for evaluation of treatment, overtime doctor's fee shall be included under this subsection.

Disbursement Guidelines:

1) Calculation of charges under 1.1.14 (1): Surgical Treatment Packages shall include doctor's fees (if any), medical service fees, fees for equipment, apparatus, medical supplies, drugs, general Administration, use of venue, and hospital staff. Accordingly, throughout the period specified in the Surgical Treatment Packages, there shall be no further charges on minor particulars of service, e.g., nursing charges, hospital charges under 1.1.14 (2), operating theatre, anaesthetics, equipment and supplies, and medical devices.

2) Calculation of charges under 1.1.14 (2) shall include expenses of use of venue, public facilities, Administration and general staff of a medical facility to receive the services as specified. The charges shall be at net amount per day of hospitalisation (for in-patients), and per time of treatment (for out-patients, emergency patients, and observation patients). There shall be no further charges on minor particulars of fee, e.g., fees for registration, patient identification card, interpreter, wheelchair, wound dressing room, injecting room, phlebotomy room.

3) In the case of a patient's using more than 1 service in the same occasion, only the expenses under 1.1.14 (2): Hospital Services for the part of which the patient has mainly used the service shall be charged, as per the following examples: for a patient who has been placed in an intensive care unit and moved to a standard in-patient care on that same day, the hospital service for that day shall be charged at the rate of either an intensive care or standard in-patient care only, for there shall be no charges at 2 rates of expenses in the same day, or a patient comes as to receive services as an out-patient, and has been moved to an observation room on that same occasion, the nursing charges of that shall be charged at the rate of either out-patient or observation patient, for there shall be no charges at 2 rates of expenses in the same occasion.

## **1.2 Health Professional Fees (as listed in the Annex)**

**1.2.1 Physician Evaluation and Management Fee Services** (with details and types of service)

means fees for diagnosis, consulting medical treatment of physician of various field, with the exception of that in the forensic medicine. The natures of professional services of each physician are determined based on their specifications as follows:

1.2.1 (1) First Out-patient Care

1.2.1 (2) Follow Up Out-patient Care for the Same Illness

1.2.1 (3) Regular Follow Up Out-patient Care for a Chronic Condition

1.2.1 (4) Emergency Out-patient Care

1.2.1 (5) Initial In-patient Evaluation and Management

1.2.1 (6) Subsequent In-patient Care

1.2.1 (7) Discharge-Day Care

1.2.1 (8) Initial In-patient Evaluation and Management-Intensive Care Unit

1.2.1 (9) Subsequent In-patient Care - Intensive Care Unit

1.2.1 (10) Daily Brief In-patient Care

1.2.1 (11) Special Diagnostics Physician Services, e.g., diagnostic imaging, electrocardiography, electroencephalography, electromyography, and Consultation Services

1.2.1 (12) Medical check-ups, e.g., for general evaluation, to apply for a job, and as a check-up to take out life insurance.

*(In this regard, the expenses under 1.2.1 (12) shall not be deemed medical expenses for motor vehicle victims.)*

**1.2.2 Physician Procedures** (with details and types of surgical and medical procedures)

means medical operation costs or medical procedures performed by a physician of various fields, classified based on types of medical operation and procedure using Thai Standard Health Coding, and shall mean to include operating theatre fees which included in the fees for surgical and medical procedures of the professionals.

Additionally, any medical operation or procedure which is not listed in the Standard Health Coding shall be further listed.

**1.2.3 Other Health Professional Fees**

means diagnostic fee, consultation fee, or medical treatment cost of the professionals not included in other section, which are separated into 4 categories as follows:

1.2.3 (1) Anesthesiologist and/or Nurse Anesthetist Fees (Anesthetic Professional Fees) (with details and types of service)

means professional fees of anesthesiologist and/or nurse anesthetist, the details of both are classified under the List of Services or Medical Procedures which has been established for the benefit of standardisation (as listed in the Annex).

1.2.3 (2) Dental Professional Fees (with details and types of service)

means professional fees of dentists, the details of which are classified under the List of Services or Medical Procedures which has been established for the benefit of standardisation (as listed in the Annex).

1.2.3 (3) Nurse-Midwife Professional Fees (with details and types of service)

means independent professional fees of nurses which are charged for specific services, e.g., hemodialysis nurse which shall be classified under the list of particulars which has

been established for the benefit of standardisation, with the exception of nursing charges charged under Subsection 1.1.12.

1.2.3 (4) Miscellaneous Health Professional Fees (with details and types of service)

means independent professional fees of health professionals which are not specified in any other sections of particulars, and which shall be charged for specific services, e.g., physical therapist, speech therapist, activity therapist, the details of which are classified under the List of Services which has been established for the benefit of standardisation (as listed in the Annex), with the exception of service fees of health professional charged under Subsection 1.1.13.

## Section 2

### **2. Other Hospital Services Expenses (as listed in the Annex), are:**

#### **2.1 Standard In-patient Accommodation (with the details on types of room and number of days)**

means fees of use of room or hospital bed for the purpose of treatment incurred every complete 24-hour period starting from an actual time of admission to the hospital which shall be considered as 1 day, and the period may be extended for another 6 hours, with the exception for the first day of admission that a delay by more than 6 hours shall be considered as another 1 day.

Additionally, in the case of admission as an in-patient and the patient dies afterwards before the 6-hour extension period lapses, it shall be considered as 1 day.

#### **2.2 Observe Room**

means fees of use of room or hospital bed for the purpose of treatment which are determined to be at the rate of not exceeding 6 hours per time of use.

#### **2.3 Foods**

means standard daily diet costs which a medical facility arranged for a patient. Meals of an in-patient shall be charged from an actual number of meals (including feeding tube diets) an in-patient have had. The List of Services separates the Foods into 4 primary categories as follows:

##### **2.3.1 Standard In-patient Foods**

means standard daily diet costs which a medical facility arranged for a patient. Meals of an in-patient shall be charged from an actual number of meals an in-patient have had.

##### **2.3.2 Special In-patient Foods**

means costs of meals provided to a patient having physical disorder which results in that patient not being able to have standard diets, as well as costs of feeding tube diets. The substance of feeding tube diet must be registered as a medical diet with the Food and Drug Administration, Ministry of Public Health, or a diet prepared by a medical facility itself in accordance with nutritional standard, to satisfy the said purposes.

##### **2.3.3 Other Special-Purpose Nutrition**

means costs of meals for a person having special purposes in food consumption, e.g., diets for a person who intends to lose weight, dietary supplements for pregnant women.

##### **2.3.4 Dietary Supplements**

mean products to be taken other than normal meals intended to improve health condition, e.g., encapsulated fish oil, fibre pills. In this regard, the Criteria for Dietary Supplements of the Food and Drug Administration, Ministry of Public Health shall be applied to the consideration.

*(In this regard, the expenses under Subsections 2.3.3 and 2.3.4, the consideration shall be made based on indications and medical necessities in relation to treatments of motor vehicle victims.)*

2.4 Mortuary Services

means service fees of preservation of dead body (with details listed in advance)

*(In this regard, the expenses under this Subsection 2.4 shall not be classified as medical expense for motor vehicle victims, but the compensation shall be paid directly to a successor of the motor vehicle victim only.)*

2.5 Ambulance Services

means service fees of calling an ambulance particularly for medical purposes, charged at the rate specified in advance in the List of Service Fees of the hospital (a disbursement thereof shall be made in accordance with the conditions formulated by the Department of Insurance.

2.6 Other hospital charges (with the details on the types of service)

means other expenses not directly related to a treatment of patient, e.g., telephone fee, postal fee, special meal fee, visitor's meal fee, extra supplies for overnight stays, sleeping clothes, and transportation vehicle fees for facilitation purposes.

*(In this regard, the expenses under this Subsection 2.6 shall not be classified as medical expense under the Protection for Motor Vehicle Victims Act B.E. 2535 (1992).)*

(—Seal of Department of Insurance, Ministry of Commerce—)

**Annex**

**Fundamental Standard for Particulars and Amounts of Medical Expenses and Necessary Expenses Relating to Medical Services which Insurance Companies or Motor Victim Compensation Fund are Required to Compensate Motor Vehicle Victims (the annexed list of medical service rates for motor vehicle victims)**

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**Section 1**

**1. Medical Services Expenses****1.1 Hospital Medical Expenses**

**1.1.1 Drugs and Parenteral Nutrition** shall be based on the price in notification of the medical establishment

**1.1.2 Medical Supplies** shall be based on the price in notification of the medical establishment

**1.1.3 Blood Transfusion Services and Blood Components**

<b>Particulars</b>	<b>(Baht)</b>
(1) Whole blood: service fee per unit (service fee inclusive)	800.00
(2) Packed Red Cell: service fee per unit (service fee inclusive)	800.00
(3) Platelets: service fee per unit (service fee inclusive)	800.00
(4) Plasma Components	
Fresh Frozen Plasma: service fee per unit (service fee inclusive)	800.00
Plasma: service fee per unit (service fee inclusive)	1,000.00
(5) White Blood Cells: service fee per unit (service fee inclusive)	based on the Notification*
(6) Other Blood Components	based on the Notification*
(7) Blood & Tissue Compatibility Testing	
ABO	100.00
Rh Typing	120.00
Cross matching	360.00
Cross matching + coomb's test	400.00

**1.1.4 Laboratory Investigation and Pathology**

Particulars		(Baht)
(1) Blood Chemistry	FBS, Blood Sugar (glucose)	100.00
	BUN	100.00
	Creatinine	100.00
	Uric acid	100.00
	Amylase	300.00
	Bilirubin Direct	100.00
	Bilirubin Total	100.00
	Cholesterol	100.00
	Triglyceride	200.00
	HDL cholesterol	240.00
	L.F.T. (all kidney functions)	720.00
	Total protein	100.00
	Albumin	100.00
	Globulia	100.00
	Alkaline Phosphatase	100.00
	SGOT	100.00
	SGPT	100.00
	LDH	280.00
	CPK	280.00
	Electrolytes (Sodium, Potassium, Chloride, Bicarbonate)	440.00
	Calcium	160.00
	F.S.H.	400.00
	L.H.	400.00
	T3	300.00
	Free T3	500.00
	T4, Free T4, each	300.00
	T.S.H.	350.00
	Meliiodosis AB	250.00
(5) Pathology Test	C.B.C. (Hb, Hct, W.B.C., Diff.)	120.00
	Hb	100.00
	Hot	50.00
	W.B.C count	100.00



Particulars		(Baht)
	R.B.C count	70.00
	Diff count	100.00
	Platelets count	100.00
	E.S.R.	100.00
	LE Cell	300.00
	Bleeding time	100.00
	Clotting time	100.00
	PT	300.00
	PTT	300.00
	Malarial parasite	100.00
	G-6-PD	300.00
(6)	Widal Test	240.00
(6)	V.D.R.L.	100.00
(6)	HIV	HIV Ab (Capillas)
		300.00
		HIV Ab (Elisa)
		420.00
		Western Blot (confirmatory)
		2,000.00
(6)	HBS Ag	180.00
(6)	HBS Ab	300.00
(6)	HBC Ab	360.00
(6)	HCV Ab	600.00
(6)	Rubella IgM Ab	480.00
(6)	Rubella IgG Ab	Rubella IgG Ab
		420.00
(6)	Dengue Virus Ab (IgM)	600.00
(6)	ASO Titer	300.00
(6)	Rheumatoid Factor	240.00
(6)	Hb Typing	480.00
(6)	Cold Agglutin	240.00
(6)	E.histolytica Ab	360.00
(6)	Hb Alc	360.00
(7)	Gram Stain	100.00
(7)	Fresh Smear	100.00
(7)	Acid Fast Stain	100.00
(7)	KOH	Preparation
		100.00

Particulars		(Baht)
(7) Hemoculture		350.00
(7) Hemoculture + sensitivity test		600.00
(7) Stool culture	Include Rectal Swab Culture	300.00
(7) Stool culture + sensitivity test	Include Rectal Swab Culture	600.00
(7) Urine	Culture	300.00
(7) Urine + sensitivity test	Culture	600.00
(7) Urethral Discharge	Culture	300.00
(7) Urethral Discharge + sensitivity test		600.00
(7) Sensitivity test		300.00
(9) Urinalysis	U.A.	100.00
	Urine Sugar-Albumin	50.00
	Urine sp.gr.	50.00
	Urine PH	50.00
	Ketone Body	60.00
	Pregnancy Test	150.00
(9) Stool Exam	Stool exam	100.00
	Special Test, each	50.00
(9) CSF Examination	Cell Counts	320.00
	Chemistry, each	110.00
(9) Pathology-Gross and Microscopic (doctor's fee inclusive)	Biopsy, small sized sample (<2 cm)	600.00
	Biopsy, medium sized sample (2-5 cm)	1,200.00
	Biopsy, large sized sample (2-5 cm)	2,900.00
(11) Lead Serum		360.00
(11) Blood Lead		350.00

### 1.1.5 Diagnostic Radiology and Radiotherapy

Particulars	(Baht)
1.1.5 (1) Standard Diagnostic Imaging	

Particulars		(Baht)
	All sizes of X-ray film	300.00
	Tomography (per film)	200.00
1.1.5 (2) Special Diagnostic Imaging		
	IVP	2,100.00
	Cystography	1,600.00
	Myelography	3,600.00
	Venography	3,000.00
CT	Brain + contrast	5,000.00
	Thorax + contrast	6,000.00 + CM 1,700/100 ML
	Whole Abdomen + contrast	10,100.00 + CM 870 / 50 ML
	Upper/Lower Abdomen + contrast	6,000.00 + CM 1,700/100 ML
	Spine + contrast	6,000.00
MRI	Spine	8,000.00
	Brain	8,000.00
	+ contrast	3,000.00/15 ML
Ultrasound	Whole Abdomen	1,920.00
	Upper Abdomen	1,080.000
	Pelvis	960.00
Others		based on the Notification*

**1.1.6 Special Diagnostics in medical establishment, including Diagnostic Test Interpretation Fees**

Particulars	(Baht)
(1) Clinical Physiology	
ECG (Electrocardiography)	350.00
Electrocardiography	1,260.00
Nerve conduction study	500.00
Electro-encephalography	1,800.00
Audiometry	480.00
Lung Functions Test by Spirometry method	400.00

Lung Functions Test by Spirometry, including other special methods	400.00
Vision & Colour Test	100.00
(2) Endoscopy	
Brorchoscopy	2,500.00
Esophagoscopy	1,500.00
Echocardiography	3,600.00

### 1.1.7 Medical Equipment

Particulars	(Baht)
1.1.7 (1) General Medical Equipment	
a. General Medical Equipment-Single Piece	
Oxygen Mask, Canula per day	800.00
Respirator: pressure control per day	1,800.00
Volume control per day	3,000.00
D.C. SHOCK	500.00
MONITOR V.S.	600.00
Nonstress Test (NST)	400.00
SYRING PUMP per day	240.00
Infusion pump per day	350.00
Use of Suction Machine per day	450.00
Use of air bed per day	300.00
Hypothermia per day	500.00
ULTRA NEBULIZER, including Oxygen per day	240.00
b. General Medical Equipment-Set	
Wound Dressing Set	100.00
Feeding Tube Set	100.00
Mouth Care Set	50.00
Resuscitation Set	500.00
Emergency Tracheotomy Set	500.00
Other Puncture Set	200.00
Intramuscular injection (IM) Set	50.00
Intravenous Injection (IV) Set	50.00
IV Cut Down Set	1,000.00

Chemotherapy Injection Set	100.00
Physiotherapy Injection Set	50.00
Suture Set	200.00
Suture removal Set	50.00
Flush Set	50.00
Incision and Drainage (I+D) Set	200.00
Ethyl Chloride Spray Set	50.00
Nebulizer Set	150.00
Urethral catheter Set	120.00
OB/GYN Equipment	100.00
1.1.7 (2) Operating Room Medical Equipment	
a. Operating Room Medical Equipment-Single Piece	
Hyfrecator	360.00
External Fixator per person	2,000.00
Monitor RA	360.00
Peripheral Nerve Stimulator	150.00
Skull Traction	900.00
Wire Pass Drill	1,200.00
Operating Microscope 1 <sup>st</sup> hour	1,000.00
/subsequent hour(s) more than 30 minutes = 1 hour less than 30 minutes = no charge	800.00
Bronchoscope	1,800.00
Cystoscope	1,200.00
Gastroscope	1,800.00
Sigmoidoscope	1,500.00
Air drill per person	840.00
C- ARM	1,800.00
Flexible Laryngoscope	1,200.00
Cryosurgery Equipment per person	400.00
b. Operating Room Medical Equipment-Set	
Trey Preparation	100.00
Block Set	500.00
Scrub Burn Set	200.00

Major Operating Supplies Set + Gown	1,680.00
Minor Operating Supplies Set + Gown	900.00
General Orthopedics Operation Set	2,000.00
Orthopedics Spine Operation Set	2,400.00
Brain Surgery Set	3,000.00
Traction of various types per time	500.00
Others	based on the Notification*

**1.1.8 Operating Theater and Delivery Room**

Particulars	(Baht)
Major Operation 1 <sup>st</sup> hour	2,400.00
/subsequent hour(s)	1,200.00
Minor Operation per hour	800.00

**Remarks:** Operating theater cost shall mean operating theater cost which includes expenses for 5 standard equipment as follows:

1. Operating table; 2. Operating lamp; 3. Suction machine; 4. Anaesthetic machine; and 5. Utilities

**1.1.9 Dental Service Fee** shall be based on the price in notification of the medical establishment

**1.1.10 Physical Therapy**

Particulars	(Baht)
(1) ELECTROTHERAPY	
ELECTRICAL STIMULATION	(stimulation by electricity) per time of treatment 130.00
INTERFERENTIAL	(electrical stimulation to lessen a pain in a joint) per time of treatment 180.00
REPETITIVE STIMULATION	(repetitive stimulation on a nerve) per time of treatment 170.00
(2) MOBILIZATION and MANIPULATION	

Particulars		(Baht)
ACTIVE ASSISTIVE EXERCISE	(physical exercise) per time	120.00
ACTIVITY DALITY LIVING	(daily routine training) per time	200.00
AMBULATION TRAINING	(flipping, sitting, lying, standing, walking training) per time	150.00
BLINK REFLEX		100.00
CHEST THERAPY	(percussion for patient with mucus in the lung) per time of treatment	200.00
	(physical therapy) per time	120.00
MANIPULATION	(stretch or apply a pressure on the pain area using hand) per time	260.00
TILL BEARD	(motor bed for an obese patient)	120.00
(3) OCCUPATIONAL THERAPY		
OCCUPATIONAL THERAPY	(hand training) per time	400.00
(4) PHYSICAL MODALITY		
ULTRASOUND	(ultrasound) per time of treatment	120.00
SHORTWAVE DIATHERMY	(shortwave diathermy) per time of treatment	150.00
MICROWAVE DIATHERMY	per time of treatment	150.00
HOT PACK	(heating pad to loosen stiffness on superficial muscles) per time of treatment	100.00
PARAFFIN BATH	(paraffin for trigger finger cases) per time of treatment	100.00
(7) TRACTION		
CERVICAL TRACTION	(pulling on the head to loosen the muscle) per time	130.00
PELVIC TRACTION	(pulling on the back to loosen the muscle) per time	120.00
Others		based on the Notification*

**1.1.11 Acupuncture Service Fees** shall be based on the price in notification of the medical establishment

**1.1.12 Nursing and Midwifery Charges**

Particulars		(Baht)
General Nursing	(1) General in-patient (IPD) per day of treatment	500.00
	(2) In-patient – ICU per day of treatment	1,000.00
	(3) Observation patient per time of treatment	1,500.00
	(5) Emergency patient (ER) per time of treatment	1,000.00
	(6) Out-patient (OPD) per time of treatment	900.00
Others		based on the Notification*

**1.1.13 Miscellaneous Health Professional Charges** shall be based on the price in notification of the medical establishment

**1.1.14 Packaged Medical Charges**

**1.1.14 (1) Medical Packages, including medical supply sets and doctor's fees**

Particulars		(Baht)
Medical Packages by Health Professionals (equipment inclusive)		
	Proctoscopy	500.00
	Thoracocentesis	1,000.00
	Pleural Biopsy	1,500.00
	Abdominal paracentesis	1,000.00
	Chest Drain	900.00
Others		based on the Notification*

**1.1.14 (2) Other Medical Charges**

Particulars		(Baht)
	Hospital charges for out-patient per day per time	110.00
	Hospital charges for in-patient per day	30.00
	Clinical photography for evaluation of treatment per photo	15.00

**Remarks:** Medical procedures which are standard nursing care should not be additionally charged separately.

**1.2 Health Professional Fees**

**1.2.1 Physician Evaluation and Management Fee Services**



Particulars	(Baht)
1.2.1 (1) First Out-patient Care	200.00
1.2.1 (2) Follow Up Out-patient Care for the Same Illness	200.00
1.2.1 (3) Regular Follow Up Out-patient Care for a Chronic Condition	200.00
1.2.1 (4) Emergency Out-patient Care	300.00
1.2.1 (5) Initial In-patient Evaluation and Management	500.00
1.2.1 (6) Subsequent In-patient Care	300.00
1.2.1 (7) Discharge-Day Care	300.00
1.2.1 (8) Initial In-patient Evaluation and Management-Intensive Care Unit	840.00
1.2.1 (9) Subsequent In-patient Care - Intensive Care Unit	500.00
1.2.1 (10) Brief In-patient Care	300.00
1.2.1 (11) Special Diagnostics Physician Services	500.00
1.2.1 (12) Other Medical Examination (non-illness case)	

**1.2.2 Physician Procedure Fees** shall be based on the price in notification of the medical establishment

**1.2.3 Other Health Professional Fees** shall be based on the price in notification of the medical establishment

## Section 2

## 2. Other Hospital Services Expenses

Particulars		(Baht)
2.1 (1) General In-patient Room or Bed		based on the Notification*
2.1 (2) ICU Room per day		
2.2 Observation Room per day		
2.3 Diet	2.3.1 Regular In-patient Diet per meal	
	Liquid Diet per meal	
	Regular Diet per meal	
	2.3.2 Medical Diet	
	Feeding Tube Diet per meal	
	2.3.3 Diet with Other Special Purposes	based on the Notification*
	2.3.4 Dietary Supplements	based on the Notification*
2.4 Mortuary service fees (not classified as medical expense for motor vehicle victims, the compensation shall be paid directly to a successor of the motor vehicle victim only.)		
2.5 Emergency Ambulance	2.5.1 Emergency Ambulance, Basic Level For distance not exceeding 10 km. For distance exceeding 10 km.	1,100.00 Baht 10.00 Baht/km.
	2.5.2 Emergency Ambulance, Advanced Level For distance not exceeding 10 km. For distance exceeding 10 km.	1,600.00 Baht 10.00 Baht/km.
2.6 Other service fees (not classified as medical expense for motor vehicle victims)		

**Remarks:** Based on the notification\* means that the rate shall be based on the price in notification of the medical establishment.