

## Medical Terminology – Basics

### Medical Terminology – 1, Basics

The **Medical Terminology - Basics** course provides a solid foundation to understand the working language of medicine as it pertains to structure and composition of medical terms in a number of important categories.

#### Course Objectives

- Understand the importance of medical terminology and the proper use of medical language for interacting with professionals and performing medical transcription/coding tasks.
- Synthesize medical language and information accurately.
- Learn basic medical root words, prefixes and suffixes and their meanings.
- Differentiate between suffix endings, (e.g., adjective, noun, singular and plural forms).
- Appropriately recognize word roots and combining forms pertaining to each of the body systems.
- Pronounce medical terms correctly.
- Identify common disorders and their associated symptoms for each body system.
- Correlate medical word parts with usage in anatomy, pathology, symptomatology, procedures, treatments, and medical specialties.
- Interpret medical treatments and common abbreviations.
- Build composite medical terms referring to each body system.
- Define common terms related to diseases.
- Define common laboratory and pharmacological terms.

#### Course Outline

Introduction to Medical Terminology  
Word Building Basics  
Root Words and Combining Forms  
Prefixes  
Suffixes  
Signs, Symptoms, and Disease  
Acute Conditions and Illnesses  
Chronic Conditions and Illnesses  
Mental Disorders  
Medical Treatments  
Medical Abbreviations - 1  
Medical Abbreviations - 2  
Medical Laboratory - 1  
Medical Laboratory - 2  
Pharmacology



To start learning you have to act.  
Read our secret-revealing paper on  
[\*\*Five Steps to Faster Learning.\*\*](#)

## Medical Terminology – Basics

### Topic Outlines

#### **Topic 2 Word Building Basics**

Medical term components  
Analyzing a medical term Terms with common components  
Disease of... Inflammation of...  
    Ear Eye  
    Gastrointestinal system  
    Nervous system  
    Reproductive system  
    Respiratory system  
    Urinary system  
    Vascular system  
    Miscellaneous inflammations  
Pain  
    Recording of...  
    Specialists Study of...  
Surgical repair

#### **Topic 3 Root Words and Combining Forms**

Root words  
Combining vowels  
Combining forms  
Combining forms pertaining to organ systems  
Blood-forming and lymphatic systems  
Cardiovascular system  
Endocrine system  
Gastrointestinal system  
Integumentary system  
Musculoskeletal system  
Nervous system  
Reproductive system  
Respiratory system  
Sensory system  
Urinary system  
Combining forms pertaining to color  
Miscellaneous combining forms

#### **Topic 4 Prefixes**

Prefixes pertaining to amount or comparison  
Prefixes pertaining to location  
Prefixes pertaining to negation  
Prefixes pertaining to size and position  
Prefixes pertaining to time Miscellaneous prefixes

## Medical Terminology – Basics

### **Topic 5 Suffixes**

Suffixes denoting disease or change in the body  
Suffixes denoting word parts  
Suffixes denoting diagnostic procedures  
Suffixes denoting surgical incisions  
Suffixes denoting surgical procedures

### **Topic 6 Signs, Symptoms and Disease**

Types of symptoms  
General symptoms  
Cardiovascular symptoms  
Gastrointestinal symptoms  
Integumentary symptoms  
Neurological/psychological symptoms  
Ocular symptoms  
Pulmonary symptoms  
Urologic symptoms  
Disease  
    Disease processes  
    Syndromes, illness and disease  
    Transmission of disease  
    Social significance of disease  
    Types of disease  
    Signs, symptoms and indications for disease

### **Topic 7 Acute Conditions and Illnesses**

Terms and definitions  
Major acute conditions  
Allergy Infection  
Inflammation  
Micro-organisms  
    Bacteria  
    Fungi  
    Protozoa  
    Rickettsia  
    Viruses  
    Parasites  
Physical and chemical agents  
Animal bites  
Asphyxiation  
Bites of insects, spiders and snakes  
Electric shock and burns  
Extreme heat and cold  
Extremes of atmospheric pressure  
Ionizing radiation  
Near-drowning  
Poisoning  
Trauma

## Medical Terminology – Basics

### **Topic 8      Chronic Conditions and Illnesses**

Terms and definitions  
Overview of chronic conditions  
Acute vs. chronic conditions  
The causes of chronic disease  
Major chronic conditions  
Arthritis  
Chronic obstructive pulmonary disease (COPD)  
Chronic pain  
Chronic renal failure (CRF)  
Congestive heart failure (CHF)  
Coronary artery disease (CAD)  
Diabetes mellitus (DM)  
Essential hypertension  
Inflammatory bowel disease

### **Topic 9      Mental Disorders**

Terms and definitions  
Overview of mental disorders  
Factors influencing mental conditions  
Categories of mental disorders  
Adjustment disorders  
Anxiety disorders  
Dissociative disorders  
Eating disorders  
Impulse control disorders  
Mood disorders  
Personality disorders  
Psychotic disorders  
Sleep disorders  
Somatoform disorders  
Substance-related disorders

### **Topic 10      Medical Treatments**

Terms and definitions  
Diagnostic procedures

### **Topic 11      Medical Abbreviations - 1**

Common medical abbreviations

### **Topic 12      Medical Abbreviations -2**

Common diagnosis and treatment abbreviations

## Medical Terminology – Basics

### **Topic 13      Medical Laboratory 1**

#### **Medical Lab and Blood Tests**

Terms and definitions

Medical laboratory

Departments

Processing specimens

Contents of tubes

Draw order

- Color top tubes containing coagulants

- Color top tubes containing anticoagulants

Management of specimens

Laboratory tests

- Hematology tests

- Analysis of blood

Types of blood tests

Autoimmune disease tests

Blood fat tests

Cardiac blood tests

Coagulation tests

Complete blood count

Diabetes blood tests

Disease marker tests

Drug assays

Electrolytes

Liver function tests

### **Topic 14      Medical Laboratory 2**

Blood Banking and Other Lab Tests

Terms and definitions

Blood banking

- Blood donors

- Donor requirements

- Autologous blood donors

- Collecting donated blood

- The components of blood

- Separating the components

- Testing donated blood

- Storing blood safely

Blood typing

- Compatibility testing

- Risks

Cytology tests

- Types of biopsies

- Specimen processing

  - Permanent sections

  - Frozen sections

- Microbiology tests

  - Subdisciplines of microbiology

## Medical Terminology – Basics

Renal tests

Renal disease tests

Renal function tests

Urinalysis

Methodology

Macroscopic analysis

Microscopic analysis

### **Topic 15      Pharmacology**

Terms and definitions

Pharmacology    Drugs used as medicines

Pharmaceutical form

Routes of administration

Drug categories

**Click below:**

