

Component 3:

Terminology in Health Care and Public Health Settings

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| *Zoom:* | [*https://iu-baa.zoom.us/j/97431845970*](https://iu-baa.zoom.us/j/97431845970) |
| *Telephone* | *1 301 715 8592 or 1 312 626 6799* |  *Meeting ID: 974 3184 5970*  |
| *Time:* | *Wednesday's 12-1* |
| *Date* | *Unit* | *Teacher* |
| *17-Jun* | *1* | *Jeremy Harper* |
| *24-Jun* | *2* | *Jeremy Harper* |
| *1-Jul* | *3* | *Jeremy Harper* |
| *8-Jul* | *4* | *Jeremy Harper* |
| *15-Jul* | *5* | *Jeremy Harper* |
| *22-Jul* | *6* | *Jeremy Harper* |
| *29-Jul* | *7* | *Jeremy Harper* |
| *5-Aug* | *8* | *Jeremy Harper* |
| *12-Aug* | *9* | *Jeremy Harper* |
| *19-Aug* | *10* | *Jeremy Harper* |
| *26-Aug* | *11* | *Jeremy Harper* |
| *31-Aug* | *12* | *Jeremy Harper* |
|  |  |  |
|  | *Friday 12-1* |
|  | *6/26/20* | *Group Session* |
|  | *7/24/20* | *Small Group Session* |
|  | *8/21/20* | *Group Session* |

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Component Number: 3

Component Title:

Terminology in Health Care and Public Health Settings

Component Description:

This component explains specific terminology used by workers in health care. This is NOT a course in data representation or standards.

Component Objectives:

At the completion of this component, the student will be able to:

1. Define, understand and correctly pronounce medical terms related to each of the major body systems.
2. Define commonly used terms in nursing, health information technology, and clinical vocabularies & terminologies related to the implementation of electronic health records.
3. Identify the purpose and uses of pertinent health care terminologies in the electronic health record.

Demonstrate the ability to integrate and use health care terminology in the various health information technology roles.

Component Files

Each unit within the component includes the following files:

* Lectures (voiceover PowerPoint in .mp4 format); PowerPoint slides (Microsoft PowerPoint format), lecture transcripts (Microsoft Word format); and audio files (.mp3 format) for each lecture.
* Application activities (discussion questions, assignments, or projects) with answer keys.
* Self-assessment questions with answer keys based on identified learning objectives.
* Some units may also include additional materials as noted in this document.

Component Units with Objectives and Topics

Unit 1: Understanding Medical Words

Description:

This unit describes the meanings of medical words.

Objectives:

1. Discuss the four parts of medical terms.
2. Recognize word roots and combining forms.
3. Identify the most common prefixes and suffixes.
4. Describe the anatomical positions.
5. Define the body planes.
6. Identify regions of the body.
7. Define directional and positional terms.
8. Build, divide, spell and pronounce common medical words.

Lectures:

1. Understanding medical words (08:07)
2. Parts of a medical term

Word and combining forms

1. Common prefixes and suffixes (10:48)
2. Singular and plural endings

Abbreviations

1. Body structure (14:07)
2. Anatomical positions
3. Body planes
4. Regions of the body
5. Directional and positional terms

Suggested Readings

None

Additional Materials

None

Unit 2: Integumentary System

Description:

This unit describes the integumentary system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Integumentary System.

Describe common diseases and conditions with an overview of various treatments related to the Integumentary System.

Lectures:

1. Integumentary System Overview (14:52)
2. Organs of the Integumentary System
3. Function
4. Integumentary Combining Forms

Integumentary System Disorders/Diseases

Suggested Readings

None

Additional Materials

None

Unit 3: Musculoskeletal System

Description:

This unit describes the musculoskeletal system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Musculoskeletal System
2. Describe common diseases and conditions, with an overview of various treatments related to the Musculoskeletal System.

Lectures:

1. Musculoskeletal system overview (16:55)
2. Muscular components
3. Skeletal components
4. Functions
5. Muscle disorders
6. Muscular system combining forms
7. Skeletal system
8. Skeletal disorders

Skeletal system combining forms

Suggested Readings

None

Additional Materials

None

Unit 4: Blood, Lymphatic and Immune Systems

Description:

This unit describes the blood, lymphatic and immune systems.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Blood, Lymphatic and Immune Systems.

Describe common diseases and conditions with an overview of various treatments related to the Blood, Lymphatic and Immune Systems.

Lectures:

1. Blood Overview (19:21)
2. Function
3. Blood Components
4. Common Blood disorders/conditions
5. Blood Combining Forms
6. The Lymphatic and Immune Systems
7. Primary organs
8. Functions
9. Immunity
10. Common Lymphatic and Immune disorders/conditions

Lymphatic & Immune Combining Forms

Suggested Readings

None

Additional Materials

None

Unit 5: Cardiovascular System

Description:

This unit describes the cardiovascular system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Cardiovascular System.

Describe common diseases and conditions with an overview of various treatments related to the Cardiovascular System.

Lectures:

1. Cardiovascular System Overview (21:37)
2. Function
3. Primary Organs
4. Common diseases/conditions

Cardiovascular Combining Forms

Suggested Readings

None

Additional Materials

None

Unit 6: Digestive System

Description:

This unit describes the digestive system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Digestive System.

Describe common diseases and conditions with an overview of various treatments related to the Digestive System.

Lectures:

1. Digestive system overview (15:40)
2. Function
3. Primary organs
4. Accessory organs
5. Common diseases/conditions

Digestive system combining forms

Suggested Readings

None

Additional Materials

None

Unit 7: Endocrine System

Description:

This unit describes the endocrine system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Endocrine System.

Describe common diseases and conditions with an overview of various treatments related to the Endocrine System.

Lectures:

1. Overview of the Endocrine System (21:53)
2. Hormones

Disorders

1. The Endocrine System (con’t) (22:56)
2. Reproductive Organs

Suggested Readings

None

Additional Materials

None

Unit 8: Ear, Nose, Throat, Eyes and Vision

Description:

This unit describes the ear, nose, throat, eyes and vision.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Ears, Nose and Throat and Eyes and Vision.

Describe common diseases and conditions with an overview of various treatments related to the Ears, Nose and Throat and Eyes and Vision.

Lectures:

1. Overview of the Ear Anatomy (23:36)
2. Hearing Loss and Deafness
3. Ear Disorders and Diseases
4. Overview of the Nose and Throat Anatomy
5. Nasal Cavity Disorders

Throat Disorders

1. Overview of the Eye Anatomy (14:04)
2. Eye Disorders and Diseases

Suggested Readings

None

Additional Materials

None

Unit 9: Nervous System

Description:

This unit describes the nervous system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Nervous System.

Describe common diseases and conditions with an overview of various treatments related to the Nervous System.

Lectures:

1. Overview of the Anatomy of the Nervous System (16:58)
2. Central Nervous System
3. Peripheral Nervous System
4. Brain Disorders and Diseases
5. Spinal Cord Disorders and Disease
6. Nerve Disorders and Diseases

Peripheral Nerve Disorders

Suggested Readings

None

Additional Materials

None

Unit 10: Reproductive System

Description:

This unit describes the reproductive system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Female Reproductive System and Male Reproductive System.

Describe common diseases and conditions with an overview of various treatments related to the Female Reproductive System and Male Reproductive System.

Lectures:

1. Overview of the female reproductive system anatomy (22:30)
2. Breast disorders and diseases
3. Cervical disorders and disease
4. Ovarian disorders and diseases
5. Uterine disorders and diseases

Vaginal disorders and diseases

1. Overview of the male reproductive system anatomy (09:23)
2. Disorders and diseases of the penis
3. Disorders and diseases of the prostate

Disorders and diseases of the testicles

Suggested Readings

None

Additional Materials

None

#### Unit 11: Respiratory System

Description:

This unit describes the respiratory system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Respiratory System.

Describe common diseases and conditions with an overview of various treatments related to the Respiratory System.

Lectures:

1. Overview of the Anatomy of the Respiratory System (19:59)
2. Upper Respiratory Tract
3. Lower Respiratory Tract
4. Diseases and Disorders of the Bronchus
5. Diseases and Disorders of the Pharynx

Diseases and Disorders of the Lung

Suggested Readings

None

Additional Materials

None

Unit 12: Urinary System

Description:

This unit describes the urinary system.

Objectives:

1. Define, understand and correctly pronounce medical terms related to the Urinary System.

Describe common diseases and conditions with an overview of various treatments related to the Urinary System.

Lectures:

1. Overview of the Anatomy of the Urinary System (16:58)
2. Diseases and Disorders of the Urinary System
3. Bladder Diseases

Diseases and Disorders of the Kidney

Suggested Readings

None

Additional Materials

None

Component Authors

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