ICD-10-PCS: Beyond Medical/Surgical

NMHIMA 2013 Fall Coding Workshop
September 13, 2013
Presented by Andrea (Andy) Romero,
RHIT, CCS, CPC
Objectives

• Identify the three groups of ICD-10-PCS code sections
• Identify the 16 sections of ICD-10-PCS codes
• Compare the code structure of the Medical Surgical Section with the other 15 sections of ICD-10-PCS codes
• Identify differences in character values between the Medical Surgical Section and the other 15 sections of ICD-10-PCS codes
3 Groups of PCS Code Sections

• Group 1: Medical and Surgical Section (1)
  ▫ First character is always 0
• Group 2: Medical/Surgical Related Sections (9)
  ▫ First character is always a number (1 -9)
• Group 3: Ancillary Sections (6)
  ▫ First character is always a letter
## Medical and Surgical Section: Code Structure

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## Medical and Surgical: Root Operations

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<thead>
<tr>
<th>Root Operations</th>
<th>Alteration (0)</th>
<th>Excision (B)</th>
<th>Release (N)</th>
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<tr>
<td>Bypass (1)</td>
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<td>Division (8)</td>
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Medical/Surgical Related Sections

- Obstetrics
- Placement
- Administration
- Measurement and Monitoring
- Extracorporeal Assistance and Performance
- Extracorporeal Therapies
- Osteopathic
- Other Procedures
- Chiropractic
Obstetrics (1)

- Includes only the procedures performed on products of conception
Obstetrics Section: Code Structure

- **Medical and Surgical Section**

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- **Obstetrics Section**

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# Obstetrics: Root Operations

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<tr>
<th>Root Operations</th>
<th>DELIVERY (E)</th>
<th>Repair (Q)</th>
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<tbody>
<tr>
<td>Change (2)</td>
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<tr>
<td>Drainage (9)</td>
<td>Insertion (H)</td>
<td>Reposition (S)</td>
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<tr>
<td>ABORTION (A)</td>
<td>Inspection (J)</td>
<td>Resection (T)</td>
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<tr>
<td>Extraction (D)</td>
<td>Removal (P)</td>
<td>Transplantation (Y)</td>
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</table>
Abortion

- **Definition**
  - Artificially terminating a pregnancy

- **Explanation**
  - Subdivided according to whether an additional device such as a laminaria or abortifacient is used; or whether the abortion was performed by mechanical means

- **Example**
  - Transvaginal abortion using vacuum aspiration technique
Delivery

• Definition
  ▫ Assisting the passage of the products of conception from the genital canal

• Explanation
  ▫ Applies only to manually assisted vaginal delivery without instruments

• Example
  ▫ Spontaneous vaginal delivery
Pop Quiz

Which procedures would be coded to the Obstetrics section?

- Low Cervical Cesarean Section
- Laparoscopic Excision of Ectopic Left Tubal Pregnancy
- In Vitro Fertilization
- Episiotomy
- Fetal Pulse Oximetry
- Artificial Insemination
Placement (2)

• Includes only those procedures performed without making an incision or puncture
### Placement Section: Code Structure

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# Placement: Root Operations

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<td>COMPRESSION (1)</td>
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<td>IMMOBILIZATION (3)</td>
<td>Removal (5)</td>
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<td>Traction (6)</td>
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Compression

• Definition
  ▫ Putting pressure on a body region

• Explanation
  ▫ Procedures performed without making an incision or puncture

• Example
  ▫ Placement of pressure dressing on abdominal wall
  ▫ Placement of intermittent pneumatic compression device, covering entire right leg
Dressing

• Definition
  ▫ Putting material on a body region for protection

• Explanation
  ▫ Procedures performed without making an incision or puncture

• Example
  ▫ Application of sterile dressing to head wound
Immobilization

• Definition
  ▫ Limiting or preventing motion of a body region

• Explanation
  ▫ Procedures performed without making an incision or puncture

• Example
  ▫ Placement of splint on left finger
  ▫ Placement of neck brace
Packing

• Definition
  ▫ Putting material in a body region or orifice

• Explanation
  ▫ Procedures performed without making an incision or puncture

• Example
  ▫ Placement of nasal packing
  ▫ Packing of wound, abdominal wall
Traction

• Definition
  ▫ Exerting a pulling force on a body region in a distal direction

• Explanation
  ▫ Procedures performed without making an incision or puncture

• Example
  ▫ Lumbar traction using a motorized split-traction table
Pop Quiz

- Which procedures would be coded to the Placement section?
  - Mechanical traction of entire right leg
  - Removal splint, left thumb
  - Pleurodesis, chemical injection
  - Change of nasal packing
  - Suture removal
  - Insertion of HDR brachytherapy into prostate
Administration (3)

- The administration section includes infusions, injections and transfusions, as well as other related procedures, such as irrigation and tattooing
- All codes in this section define procedures where a diagnostic or therapeutic substance is given to the patient
# Administration Section: Code Structure

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# Administration: Root Operations

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<tr>
<th>Root Operations</th>
<th>INTRODUCTION (0)</th>
<th>IRRIGATION (1)</th>
<th>TRANSFUSION (2)</th>
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</table>

Introduction

• Definition
  ▫ Putting in or on a therapeutic, diagnostic, nutritional, physiological, or prophylactic substance except blood or blood products

• Explanation
  ▫ All other substances administered other than blood or cleaning substances, such as antineoplastic substance

• Example
  ▫ Nerve block injection to median nerve
Irrigation

- Definition
  - Putting in or on a cleansing substance
- Explanation
  - Substance given is a cleansing substance or dialysate
- Example
  - Flushing of eye
Transfusion

• Definition
  ▫ Putting in blood or blood products

• Explanation
  ▫ Substance given is blood product, bone marrow or stem cell

• Example
  ▫ Whole blood transfusion
Pop Quiz

Which procedures would be coded to the Administration section?

- Peritoneal dialysis via indwelling catheter
- Whole body Iodine 131 therapy
- Intraoperative coronary angiography, 2 coronary artery bypass grafts, using laser excited indocyanine green dye
- Chemical pleurodesis using a slurry of talc
- Intrauterine fetal blood transfusion of red blood cells for Rh disease, percutaneous
- TPN
Measurement and Monitoring (4)

- Determining the level of a physiological or physical function
  - At a point in time
  - Over a period of time
Measurement and Monitoring Section: Code Structure

- **Medical and Surgical Section**

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# Measurement and Monitoring: Root Operations

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<tr>
<td>MONITORING (2)</td>
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Measurement

• Definition
  ▫ Determining the level of a physiological or physical function at a point in time

• Explanation
  ▫ Measurement describes a single level taken

• Example
  ▫ External EKG, single reading
Monitoring

• Definition
  ▫ Determining the level of a physiological or physical function repetitively over a period of time

• Explanation
  ▫ Monitoring describes a series of levels obtained at intervals

• Example
  ▫ Temperature taken every half hour for 8 hours
  ▫ Urinary pressure monitoring
Pop Quiz

- Which procedures would be coded to the Measurement and Monitoring section?
  - Pulmonary artery wedge pressure monitoring
  - EGD with biliary flow measurement
  - Basal metabolic rate
  - Fetal pulse oximetry
  - EEG
  - Ambulatory Holter monitoring
Extracorporeal Assistance and Performance (5)

- Includes procedures performed in a critical care setting, such as mechanical ventilation and cardioversion.
- Includes other procedures, such as hemodialysis and hyperbaric oxygen treatment.
- Procedures all use equipment to support a physiological function in some way.
Extracorporeal Assistance and Performance Section: Code Structure

- Medical and Surgical Section

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- Extracorporeal Assistance and Performance Section

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Extracorporeal Assistance and Performance: Root Operations

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<tr>
<td>ASSISTANCE (1)</td>
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<tr>
<td>PERFORMANCE (2)</td>
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<td>RESTORATION (3)</td>
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Assistance

• Definition
  ▫ Taking over a portion of a physiological function by extracorporeal means

• Explanation
  ▫ Supports, but does not take over function

• Example
  ▫ Hyperbaric oxygenation of wound
Performance

• Definition
  ▫ Completely taking over a physiological function by extracorporeal means

• Explanation
  ▫ Completely takes over function

• Example
  ▫ Continuous mechanical ventilation
Restoration

- **Definition**
  - Returning, or attempting to return, physiological function to its original state by extracorporeal means

- **Explanation**
  - Only external cardioversion and defibrillation procedures. Attempted, but failed procedures are coded the same as successful procedures.

- **Example**
  - Cardiac defibrillation
Pop Quiz

• Which procedures would be coded to the Extracorporeal Assistance and Performance section?
  ▫ Percutaneous transluminal coronary angioplasty (PTCA)
  ▫ Intra-aortic balloon Pump (IABP), continuous
  ▫ Closed chest cardiac massage
  ▫ Extracorporeal membrane oxygenation (ECMO), continuous
  ▫ Hemodialysis
Extracorporeal Therapies (6)

- Other extracorporeal procedures that are not defined by Assistance and Performance in the Extracorporeal Assistance and Performance section
Extracorporeal Therapies Section: Code Structure

- **Medical and Surgical Section**

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## Extracorporeal Therapies: Root Operations

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<td>PHOTOTHERAPY (6)</td>
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<td>PHERESIS (5)</td>
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<td>ULTRAVIOLET LIGHT THERAPY (8)</td>
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<td>SHOCK WAVE THERAPY (9)</td>
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Atmospheric Control

• Definition
  ▫ Extracorporeal control of atmospheric pressure and composition

• Explanation
  ▫ Control of air composition and pressure

• Example
  ▫ Antigen-free air conditioning
Decompression

• Definition
  ▫ Extracorporeal elimination of undissolved gas from body fluids

• Explanation
  ▫ Used to treat the bends

• Example
  ▫ Hyperbaric decompression treatment, single
Electromagnetic Therapy

• Definition
  ▫ Electromagnetic treatment by electromagnetic rays

• Explanation
  ▫ Electromagnetic energy to stimulate cells

• Example
  ▫ Transcranial magnetic stimulation (TMS)
Hyperthermia

- **Definition**
  - Extracorporeal raising of body temperature
- **Explanation**
  - Used to treat temperature imbalance
- **Example**
  - Hyperthermia to raise temperature
Hypothermia

- Definition
  - Extracorporeal lowering of body temperature
- Explanation
  - Used to treat temperature imbalance
- Example
  - Whole body hypothermia
Pheresis

• Definition
  ▫ Extracorporeal separation of blood products

• Explanation
  ▫ Used to separate and remove blood products

• Example
  ▫ Therapeutic leukopheresis
Phototherapy

• Definition
  ▫ Extracorporeal treatment by light rays

• Explanation
  ▫ Uses light rays for treatment

• Example
  ▫ Phototherapy of circulatory system
Ultrasound Therapy

• Definition
  ▫ Extracorporeal treatment by ultrasound

• Explanation
  ▫ Therapeutic use of ultrasound waves

• Example
  ▫ Therapeutic ultrasound of vessels
Ultraviolet Light Therapy

- **Definition**
  - Extracorporeal treatment by ultraviolet light
- **Explanation**
  - Use of ultraviolet light for treatment
- **Example**
  - Bililite phototherapy of newborn
Shock Wave Therapy

• Definition
  ▫ Extracorporeal treatment by shock waves

• Explanation
  ▫ Uses pulses of sound waves for treatment

• Example
  ▫ Shock wave treatment of fascia
Osteopathic (7)

- One of the smallest sections in ICD-10-PCS
Osteopathic Section: Code Structure

- **Medical and Surgical Section**

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# Osteopathic: Root Operation

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Treatment

• Definition
  ▫ Manual treatment to eliminate or alleviate somatic dysfunctions and related disorders

• Explanation
  ▫ Used only in osteopathic methods and treatments

• Example
  ▫ Fascial release of abdomen, osteopathic treatment
  ▫ Osteopathic manipulative treatment using isotonic forces
Other Procedures (8)

- Contains codes for procedures not included in the other medical and surgical-related sections
Other Procedures Section: Code Structure

- Medical and Surgical Section

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Other Procedures

• Definition
  ▫ Methodologies which attempt to remediate or cure a disorder or disease

• Explanation
  ▫ Procedures not included elsewhere

• Example
  ▫ Yoga Therapy
  ▫ Suture removal, abdominal wall
  ▫ Robotic-assisted hysterectomy
Chiropractic (9)

- Chiropractic section consists of
  - A single body system: Anatomical Regions
  - A single root operation: Manipulation
Chiropractic Section: Code Structure

- **Medical and Surgical Section**

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<td>Root Operation</td>
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<td>Approach</td>
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- **Chiropractic Section**

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</table>
# Chiropractic: Root Operation

<table>
<thead>
<tr>
<th>Root Operation</th>
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<tbody>
<tr>
<td>MANIPULATION (B)</td>
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</table>
Manipulation

• Definition
  ▫ Manual procedure that involves a directed thrust to move a joint past the physiological range of motion, without exceeding the anatomical limit

• Explanation
  ▫ None

• Example
  ▫ Chiropractic manipulation of cervical spine, short lever specific contact
Ancillary Sections

- Imaging
- Nuclear Medicine
- Radiation Therapy
- Physical Rehabilitation and Diagnostic Audiology
- Mental Health
- Substance Abuse
Imaging (B)
# Imaging Section: Code Structure

## Medical and Surgical Section

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## Imaging Section

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<td>Body Part</td>
<td>Contrast</td>
<td>Qualifier</td>
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</tbody>
</table>
Root Types

- Plain Radiography
- Fluoroscopy
- CT scan
- Magnetic Resonance Imaging (MRI)
- Ultrasonography
Plain Radiography (0)

- Definition
  - Planar display of an image developed from the capture of external ionizing radiation on photographic or photoconductive plate

- Example
  - Chest X-ray
Fluoroscopy (1)

• Definition
  ▫ Single plane or bi-plane real time display of an image developed from the capture of external ionizing radiation on a fluorescent screen. The image may also be stored by either digital or analog means

• Example
  ▫ Fluoroscopic guidance
CT scan (2)

• Definition
  ▫ Computer reformatted digital display of multiplanar images developed from the capture of multiple exposures of external ionizing radiation

• Example
  ▫ CT scan of head
Magnetic Resonance Imaging (MRI) (3)

- **Definition**
  - Computer reformatted digital display of multiplanar images developed from the capture of radio-frequency signals emitted by nuclei in a body site when excited within a magnetic field

- **Example**
  - MRI of knee
Ultrasonography (4)

• Definition
  ▫ Real time display of images of anatomy or flow information developed from the capture of reflected and attenuated high frequency sound waves

• Example
  ▫ Abdominal ultrasound
Nuclear Medicine (C)
Nuclear Medicine Section: Code Structure

- **Medical and Surgical Section**

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- **Nuclear Medicine Section**

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<tr>
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<td>Body System</td>
<td>Root Type</td>
<td>Body Part</td>
<td>Radionuclide</td>
<td>Qualifier</td>
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Root Types

- Planar Nuclear Medicine Imaging
- Tomographic (Tomo) Nuclear Medicine Imaging
- Positron Emission Tomography (PET)
- Nonimaging Nuclear Medicine Uptake
- Nonimaging Nuclear Medicine Probe
- Nonimaging Nuclear Medicine Assay
- Systemic Nuclear Medicine Therapy
Planar Nuclear Medicine Imaging (1)

- **Definition**
  - Introduction of radioactive material into the body for single plane display of images developed from the capture of radioactive emissions

- **Example**
  - Gallium scan, single plane image
Tomographic (Tomo) Nuclear Medicine Imaging (2)

• Definition
  ▫ Introduction of radioactive materials into the body for three dimensional display of images developed from the capture of radioactive emissions

• Example
  ▫ Tomo scan of breast
Positron Emission Tomography (PET) (3)

• Definition
  ▫ Introduction of radioactive material into the body for three dimensional display of images developed from the simultaneous capture, 180 degrees apart, of radioactive emissions

• Example
  ▫ PET scan of brain
Nonimaging Nuclear Medicine Uptake (4)

• Definition
  ▫ Introduction of radioactive materials into the body for measurements of organ functions, from the detection of radioactive emissions

• Example
  ▫ Iodine uptake test of thyroid
Nonimaging Nuclear Medicine Probe (5)

- Definition
  - Introduction of radioactive materials into the body for the study of distribution and fate of certain substances by the detection of radioactive emissions; or, alternatively, measurement of absorption of radioactive emissions from an external source

- Example
  - Xenon gas nonimaging probe of brain
Nonimaging Nuclear Medicine Assay (6)

• Definition
  ▫ Introduction of radioactive materials into the body for the study of body fluids and blood elements, by the detection of radioactive emissions

• Example
  ▫ Technetium assay of kidneys
Systemic Nuclear Medicine Therapy (7)

• Definition
  ▫ Introduction of unsealed radioactive material into the body for treatment
  • The Nuclear Medicine Section does not include the introduction of encapsulated radioactive material for the treatment of cancer
Radiation Therapy (D)

• Was previously titled Radiation Oncology
  ▫ Re-titled Radiation Therapy with the 2014 PCS Addendum
• Radiation Therapy contains the radiation procedures performed for cancer treatment
Radiation Therapy Section: Code Structure

- Medical and Surgical Section

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- Radiation Therapy Section

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<tbody>
<tr>
<td>Section</td>
<td>Body System</td>
<td>Modality Type</td>
<td>Treatment Site</td>
<td>Modality Qualifier</td>
<td>Isotope</td>
<td>Qualifier</td>
</tr>
</tbody>
</table>
Modality Type (Character 3)

- 0 – Beam Radiation
- 1 – Brachytherapy
- 2 – Stereotactic Radiosurgery
- Y – Other Radiation
Modality Qualifier (Character 5)

- Photons < MeV
- Photons 1-10 MeV
- Neutrons
- High Dose Rate (HDR)
- Stereotactic gamma beam radiosurgery
- Hyperthermia
- Contact Radiation
- Electrons
- Intraoperative radiation therapy (IORT)
Isotope (Character 6)

- Cesium 137 (Cs-137)
- Californium 252 (Cf-252)
- Iodine 125 (I-125)
- Iodine 131 (I-131)
- Strontium 90 (Sr-90)
- Other Isotope
Physical Rehabilitation and Diagnostic Audiology (F)

- Contains character definitions unlike the other sections in ICD-10-PCS
Physical Rehabilitation and Diagnostic Audiology Section: Code Structure

- **Medical and Surgical Section**

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- **Physical Rehabilitation and Diagnostic Audiology Section**

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<td>Qualifier (sub-section)</td>
<td>Root Type</td>
<td>Body System/Body Region</td>
<td>Type Qualifier</td>
<td>Equipment</td>
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</table>
Root Type (Rehabilitation)

- 0 – Speech Assessment
- 1 – Motor and/or Nerve Function Assessment
- 2 – Activities of Daily Living Assessment
- 6 – Speech Treatment
- 7 – Motor Treatment
- 8 – Activities of Daily Living Treatment
- 9 – Hearing Treatment
- B – Cochlear Implant Treatment
- C – Vestibular Treatment
- D – Device Fitting
- F – Caregiver Training
Root Type (Diagnostic Audiology)

- 3 – Hearing Assessment
- 4 – Hearing Aid Assessment
- 5 – Vestibular Assessment
Mental Health (G)
Mental Health Section: Code Structure

• Medical and Surgical Section

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• Mental Health Section

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Root Types

• 1 – Psychological Tests
• 2 – Crisis Intervention
• 3 – Medication Management
• 5 – Individual Psychotherapy
• 6 – Counseling
• 7 – Family Psychotherapy
• B – Electroconvulsive Therapy
• C – Biofeedback
• F – Hypnosis
• G – Narcosynthesis
• H – Group Therapy
• J – Light Therapy
Substance Abuse (H)

- Structured like a smaller version of the Mental Health section
Substance Abuse Section: Code Structure

- **Medical and Surgical Section**

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- **Substance Abuse Section**

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Root Type

- 2 – Detoxification Services
- 3 – Individual Counseling
- 4 – Group Counseling
- 5 – Individual Psychotherapy
- 6 – Family Counseling
- 8 – Medication Management
- 9 – Pharmacotherapy
Questions?