**NEIMAN IMAGING TYPES OF SERVICE (NITOS) DATA DICTIONARY**

**Neiman Imaging Types of Services (NITOS) codes provide a variable that can be merged into datasets by HCPCS code to identify imaging procedures by modality and anatomic site. This new coding system augments the existing BETOS system for imaging focused studies, and was designed to be usable either in conjunction with or in lieu of BETOS for imaging analyses.**

**Each specific character in the NITOS four digit code (“NMBF”) indicates whether the procedure is: 1) invasive or non-invasive; 2) modality; 3) body region; and 4) focus area.**

**First Character (“N”): Invasive or Non-invasive**

**I = Invasive**

**N = Non-Invasive**

**Second Character (“M”): Modality**

 **0 = None**

 **1 = Three-dimensional reconstruction**

**2 = Computer-aided detection**

**3 = Computerized tomography**

**4 = Magnetic resonance**

**5 = Nuclear medicine**

**6 = Ultrasound**

**7 = Radiography**

**8 = Unused**

**9 = Invasive**

**Third Character (“B”): Body Region**

 **0 = None**

 **1 = Brain**

**2 = Head/neck**

**3 = Spine**

**4 = Cardiac**

**5 = Chest**

**6 = Abdomen/pelvis**

**7 = Extremity**

**8 = Breast**

**9 = Invasive**

Fourth Character (“F”): Focus Area

 **0 = None (Non-invasive procedures)**

 **1 = Dental**

**2 = Gastrointestinal**

**3 = Genitourinary**

**4 = Musculoskeletal**

**5 = Obstetrical**

**6 = Vascular**

**7 = \*\*Unused\*\***

**8 = \*\*Unused\*\***

**9 = None (Invasive procedures)**