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| --- |
|  |
| *Change Request ID:* |  |
| *File Name:* | *OO CR160—792 HL70487 concept review* |
| *Description:* |  |
| *Status:* | *New Proposal* |
| *Sponsoring Person* | *Riki Merrick* |
| *Sponsoring Business Unit* | *Contractor to APHL* |
| *Date Originated:* | *2/6/2014* |
| *Date HL7 approved:* |  |
| *Backward Compatible:* | *Yes* |
| *Forward Compatible:* | *Yes* |
| *HL7 Status & Date* |  |

# Justification Detail:

It seems that during the migration from use of HL7 table 70 in OBR-15 to HL7 table 487 in SPM-4 (HL7 v2.5 and up) several concepts were dropped – either intentionally or unintentionally - CSF as the example that started this analysis.

Here is a comparison of concepts in both tables:

|  |  |  |  |
| --- | --- | --- | --- |
| **Table0070 Code** | **Table0070 Value** | **Table0487 Code** | **Table0487 Value** |
| ABS | Abscess | ABS | Abscess |
| ACNE | Tissue, Acne | ACNE | Tissue, Acne |
| ACNFLD | Fluid, Acne | ACNFLD | Fluid, Acne |
| AIRS | Air Sample | AIRS | Air Sample |
| ALL | Allograft | ALL | Allograft |
| AMN | Amniotic fluid |   |   |
| AMP | Amputation | AMP | Amputation |
| ANGI | Catheter Tip, Angio | ANGI | Catheter Tip, Angio |
| ARTC | Catheter Tip, Arterial | ARTC | Catheter Tip, Arterial |
| ASERU | Serum, Acute | ASERU | Serum, Acute |
| ASP | Aspirate | ASP | Aspirate |
| ATTE | Environmental, Autoclave Ampule | ATTE | Environmental, Autoclave Ampule |
| AUTOC | Environment, Attest | AUTOC | Environmental, Autoclave Capsule |
| AUTP | Autopsy | AUTP | Autopsy |
| BBL | Blood bag | BBL | Blood bag |
| BCYST | Cyst, Baker's | BCYST | Cyst, Baker's |
| BDY | Whole body |   |   |
| BIFL | Bile fluid |   |   |
| BITE | Bite | BITE | Bite |
| BLD | Whole blood |   |   |
| BLDA | Blood arterial |   |   |
| BLDC | Blood capillary |   |   |
| BLDCO | Cord blood |   |   |
| BLDV | Blood venous |   |   |
| BLEB | Bleb | BLEB | Bleb |
| BLIST | Blister | BLIST | Blister |
| BOIL | Boil | BOIL | Boil |
| BON | Bone | BON | Bone |
| BOWL | Bowel contents | BOWL | Bowel contents |
| BPH | Basophils |   |   |
| BPU | Blood product unit | BPU | Blood product unit |
| BRN | Burn | BRN | Burn |
| BRO | Bronchial |   |   |
| BRSH | Brush | BRSH | Brush |
| BRTH | Breath (use EXHLD) | BRTH | Breath (use EXHLD) |
| BRUS | Brushing | BRUS | Brushing |
| BUB | Bubo | BUB  | Bubo  |
| BULLA | Bulla/Bullae | BULLA | Bulla/Bullae |
| BX | Biopsy | BX | Biopsy |
| CALC | Calculus (=Stone) | CALC | Calculus (=Stone) |
| CARBU | Carbuncle | CARBU | Carbuncle |
| CAT | Catheter | CAT | Catheter |
| CBITE | Bite, Cat | CBITE | Bite, Cat |
| CDM | Cardiac muscle |   |   |
| CLIPP | Clippings | CLIPP | Clippings |
| CNJT | Conjunctiva | CNJT | Conjunctiva |
| CNL | Cannula |   |   |
| COL | Colostrum | COL | Colostrum |
| CONE | Biospy, Cone | CONE | Biospy, Cone |
| CSCR | Scratch, Cat | CSCR | Scratch, Cat |
| CSERU | Serum, Convalescent | CSERU | Serum, Convalescent |
| CSF | Cerebral spinal fluid |   |   |
| CSITE | Catheter Insertion Site | CSITE | Catheter Insertion Site |
| CSMY | Fluid, Cystostomy Tube | CSMY | Fluid, Cystostomy Tube |
| CST | Fluid, Cyst | CST | Fluid, Cyst |
| CSVR | Blood, Cell Saver | CSVR | Blood, Cell Saver |
| CTP | Catheter tip | CTP | Catheter tip |
| CUR | Curettage |   |   |
| CVM | Cervical mucus |   |   |
| CVPS | Site, CVP | CVPS | Site, CVP |
| CVPT | Catheter Tip, CVP | CVPT | Catheter Tip, CVP |
| CVX | Cervix |   |   |
| CYN | Nodule, Cystic | CYN | Nodule, Cystic |
| CYST | Cyst | CYST | Cyst |
| DBITE | Bite, Dog | DBITE | Bite, Dog |
| DCS | Sputum, Deep Cough | DCS | Sputum, Deep Cough |
| DEC | Ulcer, Decubitus | DEC | Ulcer, Decubitus |
| DEION | Environmental, Water (Deionized) | DEION | Environmental, Water (Deionized) |
| DIA | Dialysate | DIA | Dialysate |
| DIAF | Dialysis fluid |   |   |
| DISCHG | Discharge | DISCHG | Discharge |
| DIV | Diverticulum | DIV  | Diverticulum |
| DOSE | Dose med or substance |   |   |
| DRN | Drain | DRN | Drain |
| DRNG | Drainage, Tube | DRNG | Drainage, Tube |
| DRNGP | Drainage, Penrose | DRNGP | Drainage, Penrose |
| DUFL | Duodenal fluid |   |   |
| EAR | Ear |   |   |
| EARW | Ear wax (cerumen) | EARW | Ear wax (cerumen) |
| EBRUSH | Brush, Esophageal | EBRUSH | Brush, Esophageal |
| EEYE | Environmental, Eye Wash | EEYE | Environmental, Eye Wash |
| EFF | Environmental, Effluent | EFF | Environmental, Effluent |
| EFFUS | Effusion | EFFUS | Effusion |
| EFOD | Environmental, Food | EFOD | Environmental, Food |
| EISO | Environmental, Isolette | EISO | Environmental, Isolette |
| ELT | Electrode | ELT | Electrode |
| ENDC | Endocardium |   |   |
| ENDM | Endometrium |   |   |
| ENVIR | Environmental, Unidentified Substance | ENVIR | Environmental, Unidentified Substance |
| EOS | Eosinophils |   |   |
| EOTH | Environmental, Other Substance | EOTH | Environmental, Other Substance |
| ESOI | Environmental, Soil | ESOI | Environmental, Soil |
| ESOS | Environmental, Solution (Sterile) | ESOS | Environmental, Solution (Sterile) |
| ETA | Aspirate, Endotrach | ETA | Aspirate, Endotrach |
| ETTP | Catheter Tip, Endotracheal | ETTP | Catheter Tip, Endotracheal |
| ETTUB | Tube, Endotracheal | ETTUB | Tube, Endotracheal |
| EWHI | Environmental, Whirlpool | EWHI | Environmental, Whirlpool |
| EXG | Exhaled gas (=breath) | EXG | Gas, exhaled (=breath) |
| EXS | Shunt, External | EXS | Shunt, External |
| EXUDTE | Exudate | EXUDTE | Exudate |
| EYE | Eye |   |   |
| FAW | Environmental, Water (Well) | FAW | Environmental, Water (Well) |
| FBLOOD | Blood, Fetal | FBLOOD | Blood, Fetal |
| FGA | Fluid, Abdomen | FGA | Fluid, Abdomen |
| FIB | Fibroblasts |   |   |
| FIST | Fistula | FIST | Fistula |
| FLD | Fluid, Other | FLD | Fluid, Other |
| FLT | Filter | FLT | Filter |
| FLU | Body fluid, unsp | FLU | Fluid, Body unsp |
| FLUID | Fluid | FLUID | Fluid |
| FOLEY | Catheter Tip, Foley | FOLEY | Catheter Tip, Foley |
| FRS | Fluid, Respiratory | FRS  | Fluid, Respiratory |
| FSCLP | Scalp, Fetal | FSCLP | Scalp, Fetal |
| FUR | Furuncle | FUR | Furuncle |
| GAS | Gas | GAS | Gas |
| GASA | Aspirate, Gastric | GASA | Aspirate, Gastric |
| GASAN | Antrum, Gastric | GASAN | Antrum, Gastric |
| GASBR | Brushing, Gastric | GASBR | Brushing, Gastric |
| GASD | Drainage, Gastric | GASD | Drainage, Gastric |
| GAST | Gastric fluid/contents | GAST | Fluid/contents, Gastric |
| GEN | Genital |   |   |
| GENC | Genital cervix |   |   |
| GENL | Genital lochia |   |   |
| GENV | Genital vaginal | GENV | Genital vaginal |
| GRAFT | Graft | GRAFT | Graft Site |
| GRANU | Granuloma | GRANU | Granuloma |
| GROSH | Catheter, Groshong | GROSH | Catheter, Groshong |
| GSOL | Solution, Gastrostomy | GSOL | Solution, Gastrostomy |
| GSPEC | Biopsy, Gastric | GSPEC | Biopsy, Gastric |
| GT | Tube, Gastric | GT | Tube, Gastric |
| GTUBE | Drainage Tube, Drainage (Gastrostomy) | GTUBE | Drainage Tube, Drainage (Gastrostomy) |
| HAR | Hair |   |   |
| HBITE | Bite, Human | HBITE | Bite, Human |
| HBLUD | Blood, Autopsy | HBLUD | Blood, Autopsy |
| HEMAQ | Catheter Tip, Hemaquit | HEMAQ | Catheter Tip, Hemaquit |
| HEMO | Catheter Tip, Hemovac | HEMO | Catheter Tip, Hemovac |
| HERNI | Tissue, Herniated | HERNI | Tissue, Herniated |
| HEV | Drain, Hemovac | HEV  | Drain, Hemovac |
| HIC | Catheter, Hickman | HIC  | Catheter, Hickman |
| HYDC | Fluid, Hydrocele | HYDC | Fluid, Hydrocele |
| IBITE | Bite, Insect | IBITE | Bite, Insect |
| ICYST | Cyst, Inclusion | ICYST | Cyst, Inclusion |
| IDC | Catheter Tip, Indwelling | IDC  | Catheter Tip, Indwelling |
| IHG | Inhaled Gas | IHG | Gas, Inhaled |
| ILEO | Drainage, Ileostomy | ILEO | Drainage, Ileostomy |
| ILLEG | Source of Specimen Is Illegible | ILLEG | Source of Specimen Is Illegible |
| IMP | Implant | IMP | Implant |
| INCI | Site, Incision/Surgical | INCI | Site, Incision/Surgical |
| INFIL | Infiltrate | INFIL | Infiltrate |
| INS | Insect | INS | Insect |
| INTRD | Catheter Tip, Introducer | INTRD | Catheter Tip, Introducer |
| ISLT | Isolate |   |   |
| IT | Intubation tube | IT | Intubation tube |
| IUD | Intrauterine Device | IUD  | Intrauterine Device |
| IVCAT | Catheter Tip, IV | IVCAT | Catheter Tip, IV |
| IVFLD | Fluid, IV | IVFLD | Fluid, IV |
| IVTIP | Tubing Tip, IV | IVTIP | Tubing Tip, IV |
| JEJU | Drainage, Jejunal | JEJU | Drainage, Jejunal |
| JNTFLD | Fluid, Joint | JNTFLD | Fluid, Joint |
| JP | Drainage, Jackson Pratt | JP | Drainage, Jackson Pratt |
| KELOI | Lavage | KELOI | Lavage |
| KIDFLD | Fluid, Kidney | KIDFLD | Fluid, Kidney |
| LAM | Lamella |   |   |
| LAVG | Lavage, Bronhial | LAVG | Lavage, Bronhial |
| LAVGG | Lavage, Gastric | LAVGG | Lavage, Gastric |
| LAVGP | Lavage, Peritoneal | LAVGP | Lavage, Peritoneal |
| LAVPG | Lavage, Pre-Bronch | LAVPG | Lavage, Pre-Bronch |
| LENS1 | Contact Lens | LENS1 | Contact Lens |
| LENS2 | Contact Lens Case | LENS2 | Contact Lens Case |
| LESN | Lesion | LESN | Lesion |
| LIQ | Liquid NOS | LIQ | Liquid, Unspecified |
| LIQO | Liquid, Other | LIQO | Liquid, Other |
| LN | Line |   |   |
| LNA | Line arterial |   |   |
| LNV | Line venous |   |   |
| LSAC | Fluid, Lumbar Sac | LSAC | Fluid, Lumbar Sac |
| LYM | Lymphocytes |   |   |
| MAC | Macrophages |   |   |
| MAHUR | Catheter Tip, Makurkour | MAHUR | Catheter Tip, Makurkour |
| MAR | Marrow |   |   |
| MASS | Mass | MASS | Mass |
| MBLD | Menstrual blood | MBLD | Blood, Menstrual |
| MEC | Meconium |   |   |
| MILK | Breast milk |   |   |
| MLK | Milk |   |   |
| MUCOS | Mucosa | MUCOS | Mucosa |
| MUCUS | Mucus | MUCUS | Mucus |
| NAIL | Nail |   |   |
| NASDR | Drainage, Nasal | NASDR | Drainage, Nasal |
| NEDL | Needle | NEDL | Needle |
| NEPH | Site, Nephrostomy | NEPH | Site, Nephrostomy |
| NGASP | Aspirate, Nasogastric | NGASP | Aspirate, Nasogastric |
| NGAST | Drainage, Nasogastric | NGAST | Drainage, Nasogastric |
| NGS | Site, Naso/Gastric | NGS | Site, Naso/Gastric |
| NODUL | Nodule(s) | NODUL | Nodule(s) |
| NOS | Nose (nasal passage) |   |   |
| NSECR | Secretion, Nasal | NSECR | Secretion, Nasal |
| ORH | Other | ORH | Other |
| ORL | Lesion, Oral | ORL  | Lesion, Oral |
| OTH | Source, Other | OTH | Source, Other |
| PACEM | Pacemaker | PACEM | Pacemaker |
| PAFL | Pancreatic fluid |   |   |
| PAT | Patient |   |   |
| PCFL | Fluid, Pericardial | PCFL | Fluid, Pericardial |
| PDSIT | Site, Peritoneal Dialysis | PDSIT | Site, Peritoneal Dialysis |
| PDTS | Site, Peritoneal Dialysis Tunnel | PDTS | Site, Peritoneal Dialysis Tunnel |
| PELVA | Abscess, Pelvic | PELVA | Abscess, Pelvic |
| PENIL | Lesion, Penile | PENIL | Lesion, Penile |
| PERIA | Abscess, Perianal | PERIA | Abscess, Perianal |
| PILOC | Cyst, Pilonidal | PILOC | Cyst, Pilonidal |
| PINS | Site, Pin | PINS | Site, Pin |
| PIS | Site, Pacemaker Insetion | PIS | Site, Pacemaker Insetion |
| PLAN | Plant Material | PLAN | Plant Material |
| PLAS | Plasma | PLAS | Plasma |
| PLB | Plasma bag | PLB | Plasma bag |
| PLC | Placenta |   |   |
| PLEVS | Serum, Peak Level | PLEVS | Serum, Peak Level |
| PLR | Pleural fluid (thoracentesis fld) |   |   |
| PMN | Polymorphonuclear neutrophils |   |   |
| PND | Drainage, Penile | PND | Drainage, Penile |
| POL | Polyps | POL | Polyps |
| POPGS | Graft Site, Popliteal | POPGS | Graft Site, Popliteal |
| POPLG | Graft, Popliteal | POPLG | Graft, Popliteal |
| POPLV | Site, Popliteal Vein | POPLV | Site, Popliteal Vein |
| PORTA | Catheter, Porta | PORTA | Catheter, Porta |
| PPP | Platelet poor plasma | PPP | Plasma, Platelet poor |
| PROST | Prosthetic Device | PROST | Prosthetic Device |
| PRP | Platelet rich plasma | PRP | Plasma, Platelet rich |
| PRT | Peritoneal fluid /ascites |   |   |
| PSC | Pseudocyst | PSC | Pseudocyst |
| PUNCT | Wound, Puncture | PUNCT | Wound, Puncture |
| PUS | Pus | PUS | Pus |
| PUSFR | Pustule | PUSFR | Pustule |
| PUST | Pus | PUST | Pus |
| QC3 | Quality Control | QC3 | Quality Control |
| RANDU | Urine, Random | RANDU | Urine, Random |
| RBC | Erythrocytes |   |   |
| RBITE | Bite, Reptile | RBITE | Bite, Reptile |
| RECT | Drainage, Rectal | RECT | Drainage, Rectal |
| RECTA | Abscess, Rectal | RECTA | Abscess, Rectal |
| RENALC | Cyst, Renal | RENALC | Cyst, Renal |
| RENC | Fluid, Renal Cyst | RENC | Fluid, Renal Cyst |
| RES | Respiratory | RES | Respiratory |
| RT | Route of medicine |   |   |
| SAL | Saliva | SAL | Saliva |
| SCAR | Tissue, Keloid (Scar) | SCAR | Tissue, Keloid (Scar) |
| SCLV | Catheter Tip, Subclavian | SCLV | Catheter Tip, Subclavian |
| SCROA | Abscess, Scrotal | SCROA | Abscess, Scrotal |
| SECRE | Secretion(s) | SECRE | Secretion(s) |
| SER | Serum | SER | Serum |
| SHU | Site, Shunt | SHU | Site, Shunt |
| SHUNF | Fluid, Shunt | SHUNF | Fluid, Shunt |
| SHUNT | Shunt | SHUNT | Shunt |
| SITE | Site | SITE | Site |
| SKBP | Biopsy, Skin | SKBP | Biopsy, Skin |
| SKM | Skeletal muscle |   |   |
| SKN | Skin | SKN | Skin |
| SMM | Mass, Sub-Mandibular | SMM | Mass, Sub-Mandibular |
| SMN | Seminal fluid |   |   |
| SNV | Synovial fluid (Joint fluid) | SNV | Fluid, synovial (Joint fluid) |
| SPRM | Spermatozoa | SPRM | Spermatozoa |
| SPRP | Catheter Tip, Suprapubic | SPRP | Catheter Tip, Suprapubic |
| SPRPB | Cathether Tip, Suprapubic | SPRPB | Cathether Tip, Suprapubic |
| SPS | Environmental, Spore Strip | SPS | Environmental, Spore Strip |
| SPT | Sputum | SPT | Sputum |
| SPTC | Sputum - coughed | SPTC | Sputum - coughed |
| SPTT | Sputum - tracheal aspirate | SPTT | Sputum - tracheal aspirate |
| SPUT1 | Sputum, Simulated | SPUT1 | Sputum, Simulated |
| SPUTIN | Sputum, Inducted | SPUTIN | Sputum, Inducted |
| SPUTSP | Sputum, Spontaneous | SPUTSP | Sputum, Spontaneous |
| STER | Environmental, Sterrad | STER | Environmental, Sterrad |
| STL | Stool = Fecal | STL | Stool = Fecal |
| STON | Stone (use CALC) |   |   |
| STONE | Stone, Kidney | STONE | Stone, Kidney |
| SUBMA | Abscess, Submandibular | SUBMA | Abscess, Submandibular |
| SUBMX | Abscess, Submaxillary | SUBMX | Abscess, Submaxillary |
| SUMP | Drainage, Sump | SUMP | Drainage, Sump |
| SUP | Suprapubic Tap | SUP | Suprapubic Tap |
| SUTUR | Suture | SUTUR | Suture |
| SWGZ | Catheter Tip, Swan Gantz | SWGZ | Catheter Tip, Swan Gantz |
| SWT | Sweat |   |   |
| TASP | Aspirate, Tracheal | TASP | Aspirate, Tracheal |
| TEAR | Tears |   |   |
| THRB | Thrombocyte (platelet) |   |   |
| THRT | Throat |   |   |
| TISG | Tissue gall bladder |   |   |
| TISPL | Tissue placenta |   |   |
| TISS | Tissue | TISS | Tissue |
| TISU | Tissue ulcer | TISU | Tissue ulcer |
| TLC | Cathether Tip, Triple Lumen | TLC | Cathether Tip, Triple Lumen |
| TLGI | Tissue large intestine |   |   |
| TLNG | Tissue lung |   |   |
| TRAC | Site, Tracheostomy | TRAC | Site, Tracheostomy |
| TRANS | Transudate | TRANS | Transudate |
| TSERU | Serum, Trough | TSERU | Serum, Trough |
| TSMI | Tissue small intestine |   |   |
| TSTES | Abscess, Testicular | TSTES | Abscess, Testicular |
| TTRA | Aspirate, Transtracheal | TTRA | Aspirate, Transtracheal |
| TUB | Tube NOS |   |   |
| TUBES | Tubes | TUBES | Tubes |
| TUMOR | Tumor | TUMOR | Tumor |
| TZANC | Smear, Tzanck | TZANC | Smear, Tzanck |
| UDENT | Source, Unidentified | UDENT | Source, Unidentified |
| ULC | Ulcer |   |   |
| UMB | Umbilical blood |   |   |
| UMED | Unknown medicine |   |   |
| UR | Urine | UR | Urine |
| URC | Urine clean catch | URC | Urine clean catch |
| URINB | Urine, Bladder Washings | URINB | Urine, Bladder Washings |
| URINC | Urine, Catheterized | URINC | Urine, Catheterized |
| URINM | Urine, Midstream | URINM | Urine, Midstream |
| URINN | Urine, Nephrostomy | URINN | Urine, Nephrostomy |
| URINP | Urine, Pedibag | URINP | Urine, Pedibag |
| URNS | Urine sediment |   |   |
| URT | Urine catheter | URT | Urine catheter |
| URTH | Urethra |   |   |
| USCOP | Urine, Cystoscopy | USCOP | Urine, Cystoscopy |
| USPEC | Source, Unspecified | USPEC | Source, Unspecified |
| USUB | Unknown substance |   |   |
| VASTIP | Catheter Tip, Vas | VASTIP | Catheter Tip, Vas |
| VENT | Catheter Tip, Ventricular | VENT | Catheter Tip, Ventricular |
| VITF | Vitreous Fluid | VITF | Vitreous Fluid |
| VOM | Vomitus | VOM | Vomitus |
| WASH | Wash | WASH | Wash |
| WASI | Washing, e.g. bronchial washing | WASI | Washing, e.g. bronchial washing |
| WAT | Water | WAT | Water |
| WB | Blood, Whole | WB | Blood, Whole |
| WBC | Leukocytes |   |   |
| WEN | Wen | WEN | Wen |
| WICK | Wick | WICK | Wick |
| WND | Wound | WND | Wound |
| WNDA | Wound abscess | WNDA | Wound abscess |
| WNDD | Wound drainage | WNDD | Wound drainage |
| WNDE | Wound exudate | WNDE | Wound exudate |
| WORM | Worm | WORM | Worm |
| WRT | Wart | WRT  | Wart  |
| WWA | Environmental, Water | WWA | Environmental, Water |
| WWO | Environmental, Water (Ocean) | WWO | Environmental, Water (Ocean) |
| WWT | Environmental, Water (Tap) | WWT | Environmental, Water (Tap) |
| XXX | To be specified in another part of the message |   |   |

The Lab Messaging Community of Practice (LabMCoP) has reviewed these and in light of the discussion, that the long term goal is to migrate this vocabulary from HL7 to an external coding system (SNOMED CT is proposed).

The following recommendations were made:

For the following terms used in HL70070, but missing from HL70487, where no SNOMED CT code exist:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table0070 Code** | **Table0070 Value** | **Table0487 Code** | **Table0487 Value** | **SPM.4** | **SPM.4 term** |
| DOSE | Dose med or substance | leave out |   |   |   |
| RT | Route of medicine | leave out |   |   |   |
| XXX | To be specified in another part of the message | leave out |   |   |   |
| UMED | Unknown medicine | UMED | Unknown medicine  |   |   |
| LNA | Line arterial | LNA | Line arterial | 122552005 | Arterial blood specimen (specimen) |
| LNV | Line venous | LNV | Line venous | 122555007 | Venous blood specimen (specimen) |

DOSE and RT are not considered specimen, XXX is not appropriate, as the SPM segment should be the source of truth for this information and also where in the message is not indicated with this code, leaving ambiguity.

UMED was considered a valid specimen type for forensic and possibly chemistry testing.

LNA and LNV, even though they have a related SNOMED CT term, would require the additional use of the SPM-7 field in addition to the SPM-4 to properly differentiate to other specimen types. Since not all systems currently support more than one field for specimen, the decision was made to add them to HL70487.

For the following terms used in HL70070, but missing from HL70487, where a single SNOMED CT code exists that can be used instead:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table0070 Code** | **Table0070 Value** | **Table0487 Code /Value** | **SPM.4** | **SPM.4 term** |
| AMN | Amniotic fluid | use SNOMED CT | 119373006 | Amniotic fluid specimen (specimen) |
| BDY | Whole body | use SNOMED CT | 91000009106 | carcass specimen |
| BIFL | Bile fluid | use SNOMED CT | 119341000 | Bile specimen (specimen) |
| BLD | Whole blood | use SNOMED CT | 258580003 | Whole blood sample (specimen) |
| BLDA | Blood arterial | use SNOMED CT | 122552005 | Arterial blood specimen (specimen) |
| BLDCO | Cord blood | use SNOMED CT | 122556008 | Cord blood specimen (specimen) |
| BLDV | Blood venous | use SNOMED CT | 122555007 | Venous blood specimen (specimen) |
| BPH | Basophils | use SNOMED CT | 119357000 | Basophil specimen (specimen) |
| CDM | Cardiac muscle | use SNOMED CT | 119377007 | myocardial specimen (specimen) |
| CNL | Cannula | use SNOMED CT | 119308003 | Cannula specimen (specimen) |
| CSF | Cerebral spinal fluid | use SNOMED CT | 258450006 | Cerebrospinal fluid sample (specimen) |
| CUR | Curettage | use SNOMED CT | 258419009 | Curettings (specimen) |
| CVM | Cervical mucus | use SNOMED CT | 122577006 | Cervical mucus specimen (specimen) |
| CVX | Cervix | use SNOMED CT | 119395005 | Specimen from uterine cervix (specimen) |
| DIAF | Dialysis fluid | use SNOMED CT | 119360007 | Dialysis fluid specimen (specimen) |
| DUFL | Duodenal fluid | use SNOMED CT | 122574004 | Duodenal fluid specimen (specimen) |
| EAR | Ear | use SNOMED CT | 309165001 | Ear sample (specimen) |
| ENDC | Endocardium | use SNOMED CT | 119378002 | Endocardial specimen (specimen) |
| ENDM | Endometrium | use SNOMED CT | 119396006 | Specimen from endometrium (specimen) |
| EOS | Eosinophils | use SNOMED CT | 119356009 | Eosinophil specimen (specimen) |
| EYE | Eye | use SNOMED CT | 128164002 | Tissue specimen from eye (specimen) |
| FIB | Fibroblasts | use SNOMED CT | 119333000 | Fibroblast specimen (specimen) |
| GEN | Genital | use SNOMED CT | 119344008 | Specimen from genital system (specimen) |
| GENC | Genital cervix | use SNOMED CT | 119395005 | Specimen from uterine cervix (specimen) |
| GENL | Genital lochia | use SNOMED CT | 122579009 | Genital lochia specimen (specimen) |
| HAR | Hair | use SNOMED CT | 119326000 | Hair specimen (specimen) |
| ISLT | Isolate | use SNOMED CT | 119303007 | Microbial isolate specimen (specimen) |
| LYM | Lymphocytes | use SNOMED CT | 119353001 | Lymphocyte specimen (specimen) |
| MAC | Macrophages | use SNOMED CT | 119352006 | Macrophage specimen (specimen) |
| MAR | Marrow | use SNOMED CT | 119359002 | Bone marrow specimen (specimen) |
| MAR | Marrow | use SNOMED CT | 119359002 | Bone marrow specimen (specimen) |
| MEC | Meconium | use SNOMED CT | 119340004 | Meconium specimen (specimen) |
| MILK | Breast milk | use SNOMED CT | 119328004 | mother's milk specimen (specimen) |
| MLK | Milk | use SNOMED CT | 119321005 | Milk specimen (specimen) |
| NAIL | Nail | use SNOMED CT | 119327009 | Nail specimen (specimen) |
| NOS | Nose (nasal passage) | use SNOMED CT | 119388001 | Specimen from internal nose (specimen) |
| PAFL | Pancreatic fluid | use SNOMED CT | 119343002 | Pancreatic fluid specimen (specimen) |
| PAT | Patient | use SNOMED CT | 91000009106 | carcass specimen |
| PLC | Placenta | use SNOMED CT | 119403008 | Specimen from placenta (specimen) |
| PLR | Pleural fluid (thoracentesis fld) | use SNOMED CT | 418564007 | Pleural fluid specimen (specimen) |
| PMN | Polymorphonuclear neutrophils | use SNOMED CT | 119355008 | Polymorphonuclear neutrophil specimen (specimen) |
| RBC | Erythrocytes | use SNOMED CT | 119351004 | Erythrocyte specimen (specimen) |
| SMN | Seminal fluid | use SNOMED CT | 119347001 | Seminal fluid specimen (specimen) |
| SWT | Sweat | use SNOMED CT | 122569007 | Sweat specimen (specimen) |
| TEAR | Tears | use SNOMED CT | 122594008 | Tears specimen (specimen) |
| THRB | Thrombocyte (platelet) | use SNOMED CT | 119358005 | Platelet specimen (specimen) |
| TISG | Tissue gall bladder | use SNOMED CT | 122656001 | Tissue specimen from gall bladder (specimen) |
| TLGI | Tissue large intestine | use SNOMED CT | 122643008 | Tissue specimen from large intestine (specimen) |
| TLNG | Tissue lung | use SNOMED CT | 127458004 | Specimen from lung (specimen) |
| TSMI | Tissue small intestine | use SNOMED CT | 122638001 | Tissue specimen from small intestine (specimen) |
| ULC | Ulcer | use SNOMED CT | 119369008 | Specimen from ulcer (specimen) |
| UMB | Umbilical blood | use SNOMED CT | 122556008 | Cord blood specimen (specimen) |
| URNS | Urine sediment | use SNOMED CT | 122567009 | Urine sediment specimen (specimen) |
| URTH | Urethra | use SNOMED CT | 119393003 | Specimen from urethra (specimen) |
| USUB | Unknown substance | use SNOMED CT | 119324002 | Specimen of unknown material (specimen) |
| WBC | Leukocytes | use SNOMED CT | 122584003 | Leukocyte specimen from patient (specimen) |

As a next step we will reach out to the HL7 Terminology Authority to get clarity on the process of migrating HL7 tables to external coding systems, but that is outside this CR.

# Open Issues

How best to indicate to use SNOMED CT for concepts that are not officially in the table, but that folks are used to seeing in HL70070.

After reaching out to HL7 Vocab WG and the HTA to resolve how best to indicate use of SNOMED CT for missing terms, besides the one we agreed to add, this was the recommendation received (paraphrased from the emails by Jim Case, Ted Klein and Rob McClure):

… the immediate solution is to get the old terms that are NEEDED added to table 487. This is because the plan to address a migration to snomed needs to be developed ; users do note like mixed code system value sets ;there is no ‎publication or transition plan for the tables yet. A stopgap would solve the immediate problem with the least amount of pin for implementing. The plan to gap-fill the new tables with HL7 codes from the 0070 table as a stop-gap solution until we have a finalized approach for transitioning to SCT-only value sets and/or multi-code system value sets (that would have the resulting expansion sets described in tables such as 487/488.)

Heather, this puts the ball back in HTA’s court to help HL7 clarify such policies. This includes getting feedback from IHTSDO on the licensing questions we described in our use cases in the HTA.

# Change Request Impact:

None known.

# Documentation Changes:

In Chapter 2 C:

#### 2.C.2.400 - 0487 - Specimen Type

Table Metadata

| Table | Steward | V3 Harmonization | V3 Equivalent | Where used | Status |
| --- | --- | --- | --- | --- | --- |
| 0478 | OO | high priority | TBD | SPM-4 | Active |

HL7 Table 0487 - Specimen Type

| Value | Description | Comment |
| --- | --- | --- |
| ABS | Abscess |  |
| PELVA | Abscess, Pelvic  | Condition |
| PERIA | Abscess, Perianal  | Condition, Abscess & Body Part |
| RECTA | Abscess, Rectal  | Condition |
| SCROA | Abscess, Scrotal  | Condition |
| SUBMA | Abscess, Submandibular  | Condition |
| SUBMX | Abscess, Submaxillary  | Condition |
| TSTES | Abscess, Testicular  | Condition |
| AIRS | Air Sample | Environment |
| ALL  | Allograft | Tissue |
| AMP  | Amputation | Tissue |
| GASAN | Antrum, Gastric | Tissue |
| ASP | Aspirate |  |
| ETA | Aspirate, Endotrach | Aspirate |
| GASA | Aspirate, Gastric | Aspirate |
| NGASP | Aspirate, Nasogastric  | Aspirate |
| TASP | Aspirate, Tracheal  | Aspirate |
| TTRA | Aspirate, Transtracheal  | Aspirate |
| AUTP | Autopsy | Tissue |
| BX | Biopsy | Tissue |
| GSPEC | Biopsy, Gastric | Tissue |
| SKBP | Biopsy, Skin | Tissue |
| CONE | Biospy, Cone  | Tissue |
| BITE | Bite | Conditions |
| CBITE | Bite, Cat | Conditions |
| DBITE | Bite, Dog | Conditions |
| HBITE | Bite, Human | Conditions |
| IBITE | Bite, Insect | Conditions |
| RBITE | Bite, Reptile | Conditions |
| BLEB | Bleb | Condition, Fluid/Tissue |
| BLIST | Blister | Condition, Fluid/Tissue |
| BBL | Blood bag | Blood |
| BPU | Blood product unit | Blood |
| HBLUD | Blood, Autopsy | Blood |
| CSVR | Blood, Cell Saver  | Transfusion |
| FBLOOD | Blood, Fetal | Blood |
| MBLD | Blood, Menstrual | Blood |
| WB | Blood, Whole | Blood |
| BOIL | Boil | Condition |
| BON | Bone |  |
| BOWL | Bowel contents | Condition |
| BRTH | Breath (use EXHLD) |  |
| BRSH  | Brush | Product; Brush or brushing (these may be 2 separate entries as in a physical brush or a portion thereof vs the substance obtained after a surface has been brushed) |
| EBRUSH | Brush, Esophageal  | Product |
| BRUS | Brushing | Product |
| GASBR | Brushing, Gastric | Product |
| BUB | Bubo | Condition |
| BULLA | Bulla/Bullae | Condition |
| BRN | Burn |  |
| CALC | Calculus (=Stone) |  |
| CARBU | Carbuncle | Condition |
| CAT | Catheter | Device |
| CSITE | Catheter Insertion Site | Device |
| CTP | Catheter tip | Device |
| ANGI | Catheter Tip, Angio | Device |
| ARTC | Catheter Tip, Arterial | Device |
| CVPT | Catheter Tip, CVP | Device |
| ETTP | Catheter Tip, Endotracheal  | Device |
| FOLEY | Catheter Tip, Foley | Device |
| HEMAQ | Catheter Tip, Hemaquit | Device |
| HEMO | Catheter Tip, Hemovac | Device |
| IDC | Catheter Tip, Indwelling | Device |
| INTRD | Catheter Tip, Introducer  | Device |
| IVCAT | Catheter Tip, IV | Device |
| MAHUR | Catheter Tip, Makurkour | Device |
| SCLV | Catheter Tip, Subclavian  | Device |
| SPRP | Catheter Tip, Suprapubic  | Device |
| SWGZ | Catheter Tip, Swan Gantz | Device |
| VASTIP | Catheter Tip, Vas | Device |
| VENT | Catheter Tip, Ventricular | Device |
| GROSH | Catheter, Groshong | Device |
| HIC  | Catheter, Hickman | Device |
| PORTA | Catheter, Porta  | Device |
| SPRPB | Cathether Tip, Suprapubic  | Device |
| TLC | Cathether Tip, Triple Lumen  | Device |
| CLIPP | Clippings | Condition |
| COL | Colostrum |  |
| CNJT | Conjunctiva |  |
| LENS1 | Contact Lens | Device |
| LENS2 | Contact Lens Case | Device |
| CYST | Cyst |  |
| BCYST | Cyst, Baker's  | Condition |
| ICYST | Cyst, Inclusion | Condition |
| PILOC | Cyst, Pilonidal  | Condition |
| RENALC | Cyst, Renal  | Condition |
| DIA | Dialysate | Condition |
| DISCHG | Discharge | Condition |
| DIV | Diverticulum  | Condition |
| DRN | Drain | Device |
| HEV | Drain, Hemovac | Device |
| GTUBE | Drainage Tube, Drainage (Gastrostomy) | Condition |
| GASD | Drainage, Gastric | Condition |
| ILEO | Drainage, Ileostomy | Condition |
| JP | Drainage, Jackson Pratt  | Condition |
| JEJU | Drainage, Jejunal  | Condition |
| NASDR | Drainage, Nasal | Condition |
| NGAST | Drainage, Nasogastric  | Condition |
| PND | Drainage, Penile  | Condition |
| DRNGP | Drainage, Penrose | Condition |
| RECT | Drainage, Rectal  | Condition |
| SUMP | Drainage, Sump | Condition |
| DRNG | Drainage, Tube | Device |
| EARW | Ear wax (cerumen) |  |
| EFFUS | Effusion | Condition |
| ELT | Electrode |  |
| ATTE | Environment, Attest | Environment |
| AUTOA | Environmental, Autoclave Ampule | Environment |
| AUTOC | Environmental, Autoclave Capsule | Environment |
| EFF  | Environmental, Effluent  | Environment |
| EEYE | Environmental, Eye Wash | Environment |
| EFOD | Environmental, Food | Environment |
| EISO | Environmental, Isolette | Environment |
| EOTH | Environmental, Other Substance | Environment; (Substance is Known but not in code Table) |
| ESOI | Environmental, Soil | Environment |
| ESOS | Environmental, Solution (Sterile) | Environment |
| SPS | Environmental, Spore Strip | Environment |
| STER | Environmental, Sterrad | Environment |
| ENVIR | Environmental, Unidentified Substance  | Environment |
|  WWA | Environmental, Water | Environment |
| DEION | Environmental, Water (Deionized) | Environment |
|  WWT | Environmental, Water (Tap) | Environment |
| FAW | Environmental, Water (Well) | Environment |
| WWO | Environmental, Water (Ocean) |  |
| EWHI | Environmental, Whirlpool | Environment |
| EXUDTE | Exudate | Condition |
| FLT | Filter |  |
| FIST | Fistula |  |
| FLUID | Fluid | Fluid  |
| FGA | Fluid, Abdomen  | Fluid  |
| CSMY | Fluid, Cystostomy Tube | Fluid  |
| ACNFLD | Fluid, Acne | Fluid  |
| FLU | Fluid, Body unsp |  |
| CST | Fluid, Cyst | Fluid  |
| HYDC | Fluid, Hydrocele | Fluid  |
| IVFLD | Fluid, IV | Fluid  |
| JNTFLD | Fluid, Joint | Fluid  |
| KIDFLD | Fluid, Kidney  | Fluid  |
| LSAC | Fluid, Lumbar Sac | Fluid  |
| FLD | Fluid, Other  | Fluid  |
| PCFL | Fluid, Pericardial |  |
| RENC | Fluid, Renal Cyst  | Fluid  |
| FRS | Fluid, Respiratory | Fluid  |
| SHUNF | Fluid, Shunt  | Fluid  |
| SNV | Fluid, synovial (Joint fluid) |  |
| GAST | Fluid/contents, Gastric |  |
| FUR | Furuncle | Condition |
| GAS | Gas |  |
| EXG | Gas, exhaled (=breath) |  |
| IHG | Gas, Inhaled |  |
| GENV | Genital vaginal |  |
| GRAFT | Graft | Condition |
| GRAFTS | Graft Site | Condition |
| POPGS | Graft Site, Popliteal  | Condition |
| POPLG | Graft, Popliteal | Condition |
| GRANU | Granuloma | Condition |
| IMP | Implant  | Device |
| INFIL | Infiltrate | Condition |
| INS | Insect | Object |
| IUD | Intrauterine Device  | Device (Common Usage) |
| IT | Intubation tube |  |
| KELOI | Lavage | Product |
| LAVG | Lavage, Bronhial | Product |
| LAVGG | Lavage, Gastric | Product |
| LAVGP | Lavage, Peritoneal  | Product |
| LAVPG | Lavage, Pre-Bronch  | Product |
| LESN | Lesion | Condition |
| ORL | Lesion, Oral | Condition (Common Usage) |
| PENIL | Lesion, Penile  | Condition (Common Usage) |
| LIQO | Liquid, Other |  |
| LIQ | Liquid, Unspecified |  |
| MASS | Mass | Condition |
| SMM | Mass, Sub-Mandibular  | Condition |
| MUCOS | Mucosa | Condition |
| MUCUS | Mucus | Condition |
| NEDL | Needle | Device |
| NODUL | Nodule(s) | Condition |
| CYN | Nodule, Cystic  | Condition |
| ORH | Other |  |
| PACEM | Pacemaker | Device |
| PLAN | Plant Material | Object |
| PLAS | Plasma | Blood |
| PLB | Plasma bag | Blood |
| PPP | Plasma, Platelet poor | Blood |
| PRP | Plasma, Platelet rich | Blood |
| POL | Polyps | Condition |
| PROST | Prosthetic Device | Device |
| PSC | Pseudocyst | Condition |
| PUS | Pus |  |
| PUST | Pus | Condition |
| PUSFR | Pustule | Condition |
| QC3 | Quality Control | Environment |
| RES | Respiratory  | Condition (Ambiguous) |
| SAL | Saliva |  |
| FSCLP | Scalp, Fetal | Condition |
| CSCR | Scratch, Cat | Condition |
| SECRE | Secretion(s) | Fluid/Secretion |
| NSECR | Secretion, Nasal | Condition |
| SER | Serum |  |
| ASERU | Serum, Acute | Blood |
| CSERU | Serum, Convalescent  | Blood |
| PLEVS | Serum, Peak Level | Blood |
| TSERU | Serum, Trough | Blood |
| SHUNT | Shunt | Condition |
| EXS | Shunt, External | Condition |
| SITE | Site | Site |
| CVPS | Site, CVP | Site |
| INCI | Site, Incision/Surgical | Site |
| NGS | Site, Naso/Gastric  | Site |
| NEPH | Site, Nephrostomy | Site |
| PIS | Site, Pacemaker Insetion  | Site |
| PDSIT | Site, Peritoneal Dialysis | Site |
| PDTS | Site, Peritoneal Dialysis Tunnel | Site |
| PINS | Site, Pin | Site |
| POPLV | Site, Popliteal Vein  | Site |
| SHU | Site, Shunt  | Site |
| TRAC | Site, Tracheostomy  | Site |
| SKN | Skin |  |
| TZANC | Smear, Tzanck  |  |
| GSOL | Solution, Gastrostomy | Product |
| ILLEG | Source of Specimen Is Illegible |  |
| OTH | Source, Other |  |
| UDENT | Source, Unidentified |  |
| USPEC | Source, Unspecified  |  |
| SPRM | Spermatozoa |  |
| SPT | Sputum |  |
| SPTC | Sputum - coughed |  |
| SPTT | Sputum - tracheal aspirate |  |
| DCS | Sputum, Deep Cough | Condition |
| SPUTIN | Sputum, Inducted | Condition |
| SPUT1 | Sputum, Simulated | Condition |
| SPUTSP | Sputum, Spontaneous | Condition |
| STONE | Stone, Kidney | Condition |
| STL | Stool = Fecal |  |
| SUP | Suprapubic Tap  | Product |
| SUTUR | Suture | Object |
| TISS | Tissue |  |
| TISU | Tissue ulcer |  |
| ACNE | Tissue, Acne | Tissue |
| HERNI | Tissue, Herniated | Tissue |
| SCAR | Tissue, Keloid (Scar) | Tissue |
| TRANS | Transudate | Condition |
| ETTUB | Tube, Endotracheal | Device |
| GT  | Tube, Gastric  | Device |
| TUBES | Tubes | Device |
| IVTIP | Tubing Tip, IV | Device |
| TUMOR | Tumor | Condition |
| DEC | Ulcer, Decubitus  | Condition |
| UR | Urine |  |
| URT | Urine catheter |  |
| URC | Urine clean catch |  |
| URINB | Urine, Bladder Washings | Condition |
| URINC | Urine, Catheterized | Condition |
| USCOP | Urine, Cystoscopy | Condition |
| URINM | Urine, Midstream | Condition |
| URINN | Urine, Nephrostomy | Condition |
| URINP | Urine, Pedibag | Device |
| RANDU | Urine, Random | Condition |
| VITF | Vitreous Fluid  |  |
| VOM | Vomitus |  |
| WRT | Wart | Tissue |
| WASH | Wash | Product |
| WASI | Washing, e.g. bronchial washing | Product |
| WAT | Water |  |
| WEN | Wen | Tissue |
| WICK | Wick |  |
| WORM | Worm | Object |
| WND | Wound |  |
| WNDA | Wound abscess |  |
| WNDD | Wound drainage |  |
| WNDE | Wound exudate |  |
| PUNCT | Wound, Puncture | Condition |
| UMED | Unknown Medicine | for forensic and possibly chemistry testing |
| LNA | Line arterial | Arterial blood collected via arterial line |
| LNV | Line venous | Venous blood collected via venous line |
| AMN | Amniotic fluid |  |
| BDY | Whole body | Body submitted for autopsy / carcass submitted |
| BIFL | Bile Fluid |  |
| BLD | Whole blood |  |
| BLDA | Blood arterial |  |
| BLDCO | Cord blood  |  |
| BLDV | Blood venous |  |
| BPH | Basophils |  |
| CDM | Cardiac muscle |  |
| CNL | Cannula |  |
| CSF | Cerebral spinal fluid |  |
| CUR | Curretage | Uterine specimen obtained by curettage = Currettings |
| CVM | Cervical Mucus |  |
| DIAF | Dialysis Fluid | Fluid used for dialysis – is a product |
| DUFL | Duodenal fluid |  |
| EOS | Eosinophils |  |
| FIB | Fibroblasts |  |
| GENL | Genital lochia |  |
| HAR | Hair |  |
| ISLT | Isolate |  |
| LYM | Lymphocytes |  |
| MAC | Macrophages |  |
| MAR | Marrow | Bone marrow |
| MEC | Meconium |  |
| MILK | Breast milk | Mother’s milk specimen |
| MLK | Milk | Food specimen |
| NAIL | Nail | Finger or toe nail sample |
| PAFL | Pancreatic fluid |  |
| PLC | Placenta |  |
| PLR | Pleural fluid (thoracentesis fluid) |  |
| PMN | Polymorphonuclear neutrophils |  |
| RBC | Erythrocytes |  |
| SMN | Seminal fluid |  |
| SWT | Sweat |  |
| TEAR | Tears |  |
| THRB | Thrombocyte (platelet) |  |
| URNS | Urine sediment |  |
| USUB | Unkown substance |  |
| WBC | Leukocytes |  |