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AIR93 - AI/RHEUM. Bethesda, (MD) : National Library of Medicine, Lister Hill Center, 1993.

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ALT2009 - ABC Codes and Terminology; 9th; Albuquerque, NM; ABC Coding Solutions - Alternative Link; 2009; ENG

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Contact: ABC Coding Solutions - Alternative Link; 6121 Indian School Road NE; Suite 131; Albuquerque; NM; United States; 87110; 1-877-621-5465; 1-505-875-0002; Legal@ABCcodes.com

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AOD2000 - Alcohol and Other Drug Thesaurus: A Guide to Concepts and Terminology in Substance Abuse and Addiction. 3rd. ed. [4 Volumes.] Bethesda, MD: National Institute on Alcohol Abuse and Alcoholism (NIAAA) and Center for Substance Abuse Prevention (CSAP), 2000; ENG

Contact: Nancy Winstanley, NIAAA Library, c/o CSR Incorporated 2107 Wilson Blvd., Suite 1000, Arlington, VA 22201; phone: 703-741-7147; e-mail: nwinstanley@csrincorporated.com

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AOT2003 - Authorized Osteopathic Thesaurus. Educational Council of Osteopathic Principles of the American Association of Colleges of Osteopathic Medicine: Chevy Chase MD, 2004; <http://www.aacom.org/resources/bookstore/thesaurus/Pages/default.aspx>; ENG

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ATC_2014_14_09_02 (updated) - WHO Collaborating Centre for Drug Statistics Methodology; Anatomical Therapeutic Chemical (ATC) classification system; 2014; Oslo, Norway; WHO Collaborating Centre for Drug Statistics Methodology; http://www.whocc.no/copyright_disclaimer/

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BI98 - Beth Israel OMR Clinical Problem List Vocabulary. Version 1.0. Boston (MA): Beth Israel Deaconess Medical Center, 1999. Contact: Howard Goldberg, MD.; <http://clinquery.bidmc.harvard.edu>; ENG

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Contact: Daniel Z. Sands, M.D., M.P.H.; Clinical Systems Integration Architect; Center for Clinical Computing, Beth Israel Deaconess Medical Center, Harvard University; 330 Brookline Avenue; Boston; MA; United States; 02215; phone: (617)-667-1510; 810-592-0716; e-mail: dsands@bidmc.harvard.edu

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CCPSS99 - Canonical Clinical Problem Statement System, Version 1.0 June 23, 1999. Contact: sbrown@vumc.lib.mc.vanderbilt.edu; ENG

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CCS2005 - Clinical Classifications Software (CCS). Release Date: April 2005. Phone: 301-594-1364.; Agency for Healthcare Research and Quality (AHRQ); Rockville, MD; <http://www.hcup-us.ahrq.gov/toolssoftware/ccs/ccs.jsp>; ENG

Contact: Anne Elixhauser, Ph.D.; Senior Research Scientist; Agency for Healthcare Research and Quality; 540 Gaither Road; Rockville; MD; United States; 20850; phone: (301) 427-1411, phone: 1-800-358-9295; fax: (301) 594-1430; email: AElixhau@AHRQ.gov

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CHV2011_02 - Consumer Health Vocabulary; 2011; USA; ENG

Contact: Qing Zeng, PhD; Biomedical Informatics Department; University of Utah; 26 South 2000 East Room 5775 HSEB; Salt Lake City; UT; USA; 84112; q.t.zeng@utah.edu

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COSTAR_89-95 - Computer-Stored Ambulatory Records (COSTAR). Boston (MA): Massachusetts General Hospital, 1989-1995.; ENG

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CPM2003 - Medical Entities Dictionary (CPM), Columbia Presbyterian Medical Center Medical Entities Dictionary. New York (NY): Columbia Presbyterian Medical Center, 2003; Columbia University Medical Entities Dictionary ; ENG

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CSP2006 - Computer Retrieval of Information on Scientific Projects (CRISP). Bethesda (MD): National Institutes of Health, Division of Research Grants, Research Documentation Section, 2006.

Contact: Dorrette Finch, Director, Division of Research Documentation, ORA, OER, National Institutes of Health, 6701 Rockledge Drive, Bethesda MD 20892-7983; email: dw33v@nih.gov

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CST95 - Coding Symbols for Thesaurus of Adverse Reaction Terms (COSTART). 5th ed. Rockville (MD): U.S. Food and Drug Administration, Center for Drug Evaluation and Research, 1995.

COSTART has been superseded by the Medical Dictionary for Regulatory Activities (MedDRA) Terminology.

Contact: National Technical Information Service. <http://www.ntis.gov/fcpc/cpn5580.htm>

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Contact: CDC, National Center for Immunization and Respiratory Diseases Immunization Information System Support Branch - Informatics; 1600 Clifton Road; Mailstop: E-62; Atlanta; GA; United States; 30333; iisinfo@cdc.gov; <http://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx>

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DDB00 - Diseases Database 2000. May, 2000. London (England): Medical Object Oriented Software Enterprises Ltd., 2000. Contact: Malcolm Duncan <mhduncan@compuserve.com>; <http://www.diseasesdatabase.com/>.

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Contact: Malcolm H. Duncan, Medical Object Oriented Software Enterprises Ltd, Unit 36c Marryat Square, Fulham, London SW6 6UA, UK; Tel: 44 (0)20 7381 4220; Mobile: 07710 483088; email: mhduncan@compuserve.com; URL: <http://www.diseasesdatabase.com/>

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DMDICD10_1995 - Internationale Klassifikation der Krankheiten 10 [German translation of ICD10]. Germany: Deutsches Institut fuer Medizinische Dokumentation und Information, 1998.

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Contact: Dr. Michael Schopen; e-mail: schopen@dimdi.de; Deutsches Institut fur Medizinische Dokumentation und Information (DIMDI), Postfach 420580, D-50899 Koln, Germany; phone: 49-221-472-4252; fax: 49-221-41-1429

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DMDUMD_1996 - Die Nomenklatur fuer Medizinprodukte UMDNS [German translation of UMDNS]. Germany: Deutsches Institut fuer Medizinische Dokumentation und Information, 1996.

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DSM3R_1987 - Diagnostic and Statistical Manual of Mental Disorders (DSM-III-R). 3rd ed. rev. Washington (DC): American Psychiatric Association, 1987.

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DXP94 - DXplain (An expert diagnosis program). Boston (MA): Massachusetts General Hospital, 1994.

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GO2014_05_19 (updated) - The Gene Ontology; The Gene Ontology Consortium; May 19, 2014

Contact: The Gene Ontology Consortium; gohelp@genome.stanford.edu; <http://www.geneontology.org/GO.cite.shtml>

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GS_2014_08_01 (updated) - Gold Standard Drug Database; 302 Knights Run Ave, Suite 800, Tampa, FL 33602; Gold Standard

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HCDDT2014 - HCPCS Version of Current Dental Terminology 2014; CDT-7/8; Chicago, IL; American Dental Association; 2011/2012

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Contact: J. Craig Busey; Chief Legal Counsel; American Dental Association; 211 East Chicago Ave.; Chicago; IL; United States; 60611-2678; 312-440-2806; <http://www.ada.org/22.aspx>

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HCPCS2014 - Healthcare Common Procedure Coding System (HCPCS); 2014; Baltimore, MD; Centers for Medicare & Medicaid Services; 2014

The American Medical Association's CPT™ codes in HCPCS have a Source Abbreviation of HCPT04. The American Dental Association's CDT codes in HCPCS have a Source Abbreviation of HCDT4.

Contact: Cynthia Hake; CMS HCPCS Workgroup Chair; Centers for Medicare & Medicaid Services (CMS); 7500 Security Boulevard; Baltimore; MD; United States; 21244; 1-410-786-3404; hpcps@cms.hhs.gov; <http://www.cms.gov/Medicare/Coding/MedHCPCSGenInfo/index.html>

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HCPT2014 - Version of Physicians' Current Procedural Terminology (CPT) included in the Healthcare Common Procedure Coding System (HCPCS); Baltimore, MD; Centers for Medicare & Medicaid Services; 2014

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Contact: Cynthia Hake; CMS HCPCS Workgroup Chair; Centers for Medicare & Medicaid Services (CMS); 7500 Security Boulevard; Baltimore; MD; United States; 21244; 1-410-786-3404; hpcps@cms.hhs.gov; <http://www.cms.gov/Medicare/Coding/MedHCPCSGenInfo/index.html>

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HGNC2014_04 (updated) - Eyre TA, Ducluzeau F, Sneddon TP, Povey S, Bruford EA and Lush MJ; HGNC Database; The HUGO Gene Nomenclature Database; European Bioinformatics Institute Wellcome Trust Genome Campus; April 2014; United Kingdom

Contact: Elspeth Bruford, PhD; Group Co-ordinator; HUGO Gene Nomenclature Committee (HGNC); European Bioinformatics Institute (EMBL-EBI); Wellcome Trust Genome Campus; Hinxton; Cambridge; United Kingdom; CB10 1SD; +44 (0) 1223 494 468; hgnc@genenames.org; <http://www.genenames.org/>

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HL7V2.5_2003_08_30 - Health Level Seven Vocabulary (HL7). Ann Arbor (MI): Health Level Seven, 1998-2002. Contact: Mark McDougall, Executive Director, Health Level Seven; 3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104-4250; Phone: (734)677-7777; Fax: (734)677-6622; Email: HQ@HL7.ORG ; Web site: www.HL7.ORG.

Contact: Health Level Seven, 3300 Washtenaw Avenue, Suite 227, Ann Arbor MI 48104-4250; phone: (734)677-7777; fax: (734)677-6622; e-mail: HQ@HL7.ORG

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HL7V3.0_2011_03 - Health Level Seven Vocabulary (HL7). Ann Arbor (MI): Health Level Seven, 1998-2011. Contact: Mark McDougall, Executive Director, Health Level Seven; 3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104-4250; www.HL7.ORG.

Contact: Health Level Seven; 3300 Washtenaw Avenue, Suite 227; Ann Arbor; MI; USA; 48104-4250; (734)677-7777; (734)677-6622; HQ@HL7.ORG

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HLREL_1998 - ICPC2E-ICD10 relationships from Dr. Henk Lamberts (HLREL), 1998. University of Amsterdam. Contact: H.Lamberts@AMC.UVA.NL.

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Contact: Henk Lamberts (HLREL), University of Amsterdam; email: H.Lamberts@AMC.UVA.NL.

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ICD10_1998 - International Statistical Classification of Diseases and Related Health Problems (ICD-10). 10th rev. Geneva (Switzerland): World Health Organization, 1998.

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Contact: Office of Publications, World Health Organization, 1211 Geneva 27, Switzerland

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ICD10_2010 - International Statistical Classification of Diseases and Related Health Problems (ICD-10); Tenth Revision; Geneva, Switzerland; World Health Organization; 2010; ENG

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Contact: Office of Publications; World Health Organization; Geneva; Switzerland; 1211 Geneva

27; bookorders@who.int; <http://www.who.int/about/en/>

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ICD10AE_1998 - International Statistical Classification of Diseases and Related Health Problems (ICD-10): Americanized Version. 10th rev. Geneva (Switzerland): World Health Organization, 1998.

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Contact: Office of Publications, World Health Organization, 1211 Geneva 27, Switzerland

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ICD10AM_2000 - International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification; 2nd Edition, published January 2000. Developed and Maintained by the National Centre for Classification in Health, University of Sydney, Faculty of Health Sciences. PO Box 170 Lidcombe, NSW, Australia 1825. Phone: +61 2 9351 9461. <http://www.cchs.usy.edu.au/ncch/>

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Contact: National Centre for Classification in Health, University of Sydney, Faculty of Health Sciences; PO Box 170 Lidcombe, NSW, Australia 1825; Phone: +61 2 9351 9461

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ICD10AMAE_2000 - International Statistical Classification of Diseases and Related Health Problems, Australian Modification (ICD-10-AM), Americanized English Equivalents, produced by NLM. Bethesda (MD): National Library of Medicine, UMLS project, 2000

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Contact: National Centre for Classification in Health University of Sydney Faculty of Health Sciences PO Box 170 Lidcombe, NSW Australia 1825; phone: +61 2 9351 9461

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ICD10CM_2014 - National Center for Health Statistics (NCHS), under authorization by the World Health Organization; ICD-10-CM: International Classification of Diseases, Tenth Revision, Clinical Modification; United States; 2014; provided for public viewing only, and not valid for use prior to October 1, 2014.

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[CATEGORY 3 RESTRICTIONS APPLY](#) to Non-U.S. UMLS USERS

Contact: Donna Pickett; Medical Classification Administrator; National Center for Health Statistics; 3311 Toledo Road; Hyattsville; MD; United States; 20782; 1-800-232-4636; dfp4@cdc.gov; <http://www.cdc.gov/nchs/icd/icd10cm.htm>

[Read more information about this source](#)

ICD10DUT_200403 - Hirs, W., H.W. Becker, C. van Boven, S.K. Oskam, I.M. Okkes, H. Lamberts. ICD-10, Dutch Translation, 200403. Amsterdam: Department of General Practice, Academic Medical Center/University of Amsterdam, Dutch College of General Practitioners (NHG), March 2004.

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Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICD10PCS_2014 - Centers for Medicare and Medicaid Services; ICD-10-PCS; Baltimore, MD; 2014

Contact: Pat Brooks; Senior Technical Advisor; Center for Medicare and Medicaid Services; 7500 Security Blvd. C4-08-06; Baltimore; MD; United States; 21244; patricia.brooks2@cms.hhs.gov; <http://www.cms.gov/Medicare/Coding/ICD10/index.html>

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ICD9CM_2013_2012_08_06 - U.S. Department of Health and Human Services, Centers for Medicare & Medicaid Services; ICD-9-CM [computer file]; International Classification of Diseases, Ninth Revision, Clinical Modification; October 1, 2012; Baltimore, MD

NLM has generated fully specified titles for ICD-9-CM codes in cases in which the official ICD- 9-CM titles consist of extensions to higher levels in the ICD-9-CM hierarchy. The fully specified names were produced with reasonable care, but have not yet been reviewed and approved by the producers of ICD-9-CM.

Contact: Patricia Brooks; Contact for Procedures; Health Care Financing Administration; Centers for Medicare & Medicaid Services; 7500 Security Boulevard; Baltimore; MD; United States; 21244; pbrooks@hcfa.gov; <http://www.cms.gov/>

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ICD9CM_2005 - ICD-9-CM [computer file]: international classification of diseases, ninth revision, clinical modification. Version 22. Baltimore, MD: U.S. Department of Health and Human Services, Centers for Medicare & Medicaid Services, effective October 1, 2004.

NLM has generated fully specified titles for ICD-9-CM codes in cases in which the official ICD- 9-CM titles consist of extensions to higher levels in the ICD-9-CM hierarchy. The fully specified names were produced with reasonable care, but have not yet been reviewed and approved by the producers of ICD-9-CM.

Contact: Contact for Diseases: Donna Pickett, National Center for Health Statistics; e-mail: dfp4@cdc.gov; Contact for Procedures: Patricia Brooks, Health Care Financing Administration; e-mail: pbrooks@hcfa.gov

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ICD9CM_2013 - U.S. Department of Health and Human Services, Centers for Medicare & Medicaid Services; ICD-9-CM [computer file]: International Classification of Diseases, Ninth Revision, Clinical Modification; October 1, 2012; Baltimore, MD

NLM has generated fully specified titles for ICD-9-CM codes in cases in which the official ICD- 9-CM titles consist of extensions to higher levels in the ICD-9-CM hierarchy. The fully specified names were produced with reasonable care, but have not yet been reviewed and approved by the producers of ICD-9-CM.

Contact: Patricia Brooks; Contact for Procedures; Health Care Financing Administration; Centers for Medicare & Medicaid Services; 7500 Security Boulevard; Baltimore; MD; United States; 21244; pbrooks@hcfa.gov; <http://www.cms.gov/>

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ICF_2008_12_19 - World Health Organization; International Classification of Functioning, Disability and Health; Geneva, Switzerland; World Health Organization; 2008; 12/19/2008; <http://www.who.int/classification/icf>

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Contact: Nenad Kostanjsek; Technical Officer, Classification, Terminology and Standards (CTS), Department of Health Statistics and Informatics (HSI); World Health Organization; 20, Avenue Appia; CH-1211 Geneva 27; Switzerland; +41.22.791.3242; +41.22.791.4894; kostanjsekn@who.int; <http://www.who.int/classification/icf>

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ICF-CY_2008 - World Health Organization; International Classification of Functioning, Disability and Health for Children and Youth; Geneva, Switzerland; World Health Organization; 2008; <http://www.who.int/classification/icf>

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ICNP_2013 - International Classification for Nursing Practice (ICNP); 2013; Geneva, Switzerland; International Council of Nurses; 2013

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Contact: Amy Coenen; Director, International Classification for Nursing Practice (ICNP) Programme; University of Wisconsin - Milwaukee, College of Nursing; Milwaukee; WI; United States; 53201; (414) 229-5146; coenena@uwm.edu; <http://www.icn.ch/pillarsprograms/international-classification-for-nursing-practice-icnpr/>

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ICPC93 - The International Classification of Primary Care (ICPC). Denmark: World Organisation of Family Doctors, 1993.

This year, the Metathesaurus has also included translations of ICPC93 in the following languages:

- Basque (ICPCBAQ_1993),
- Danish (ICPCDAN_1993),

- Dutch (ICPCDUT_1993),
- Finnish (ICPCFIN_1993),
- French (ICPCFRE_1993),
- German (ICPCGER_1993),
- Hebrew (ICPCHEB_1993),
- Hungarian (ICPCHUN_1993),
- Italian (ICPCITA_1993),
- Norwegian (ICPCNOR_1993),
- Portuguese (ICPCPOR_1993),
- Spanish (ICPCSPA_1993), and
- Swedish (ICPCSWE_1993).

Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICPC2EDUT_200203 - Hirs, W., H.W. Becker, C. van Boven, S.K. Oskam, I.M. Okkes, H. Lamberts. International Classification of Primary Care 2E: 2nd ed. electronic. Dutch Translation. Amsterdam: Department of General Practice, Academic Medical Center/University of Amsterdam, Dutch College of General Practitioners (NHG), March 2002

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Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICPC2EENG_200203 - International Classification of Primary Care / prepared by the Classification Committee of the World Organization of National Colleges, Academies and Academic Associations of General Practitioners/Family Physicians (WONCA), known more briefly as the World Organization of Family Doctors. 2nd ed. Henk Lamberts and Inge Hofmans-Okkes, 2002

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Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICPC2ICD10DUT_200412 - International Classification of Primary Care / prepared by the Classification Committee of the World Organization of National Colleges, Academies and Academic Associations of General Practitioners/Family Physicians (WONCA), known more briefly as the World Organization of Family Doctors. 2nd ed. Henk Lamberts and Inge Hofmans-Okkes, Dutch, 2002

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Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICPC2P_2005 - ICPC-2 PLUS. Sydney: Family Medicine Research Centre, University of Sydney, December 2005.

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Contact: A/Prof Helena Britt, Director, Family Medicine Research Centre, Acacia House, Westmead Hospital, PO Box 533, Wentworthville NSW 2145, Australia. Phone: +61 2 9845 8150; Fax: +612 9845 8155; email: fmrc@fmrc.org.au; <http://www.fmrc.org.au/>

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ICPCBAQ_1993 - The International Classification of Primary Care (ICPC). Basque Translation. Denmark: World Organisation of Family Doctors, 1993.

Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICPCDUT_1993 - The International Classification of Primary Care (ICPC). Dutch Translation. Denmark: World Organisation of Family Doctors, 1993.

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ICPCFIN_1993 - The International Classification of Primary Care (ICPC). Finnish Translation. Denmark: World Organisation of Family Doctors, 1993.

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ICPCFRE_1993 - The International Classification of Primary Care (ICPC). French Translation. Denmark: World Organisation of Family Doctors, 1993.

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ICPCGER_1993 - The International Classification of Primary Care (ICPC). German Translation. Denmark: World Organisation of Family Doctors, 1993.

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ICPCHEB_1993 - The International Classification of Primary Care (ICPC). Hebrew Translation, Denmark: World Organisation of Family Doctors, 1993

Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICPCHUN_1993 - The International Classification of Primary Care (ICPC). Hungarian Translation. Denmark: World Organisation of Family Doctors, 1993.

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ICPCITA_1993 - The International Classification of Primary Care (ICPC). Italian Translation. Denmark: World Organisation of Family Doctors, 1993.

Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICPCNOR_1993 - The International Classification of Primary Care (ICPC). Norwegian Translation. Denmark: World Organisation of Family Doctors, 1993.

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ICPCPOR_1993 - The International Classification of Primary Care (ICPC). Portuguese Translation. Denmark: World Organisation of Family Doctors, 1993.

Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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ICPCSPA_1993 - The International Classification of Primary Care (ICPC). Spanish Translation. Denmark: World Organisation of Family Doctors, 1993.

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ICPCSWE_1993 - The International Classification of Primary Care (ICPC). Swedish Translation. Denmark: World Organisation of Family Doctors, 1993.

Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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JABL99 - Online Congenital Multiple Anomaly/Mental Retardation Syndromes, 1999.

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Contact: UMLS Support; National Library of Medicine; custserv@nlm.nih.gov

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KCD5_2008 - Korean Standard Classification of Disease Version 5; 2008; Seoul, Korea; KOR

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Contact: Bo-Young Jung; Korea Centers for Disease Control and Prevention; Korea; +82-2-3481-6791; +82-2-532-3820; happiness630@hanmail.net

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LCH90 - Library of Congress Subject Headings. 12th ed. Washington (DC): Library of Congress, 1989.

There are later editions of this source that are not reflected in the UMLS Metathesaurus. This source has considerable non-biomedical content and will never be included in the Metathesaurus in its entirety.

Contact: <http://www.lcweb.loc.gov>

[Read more information about this source](#)

LCH_NW_2013 (new) - Northwestern University Library; Library of Congress Subject Headings, Northwestern University subset; Evanston, IL; 2013

Contact: Gary L. Strawn; Authorities Librarian; Northwestern University Library; 1970 Campus Drive; Evanston; IL; United States; 60208-2300; (847)491-2788; (847)491-8306; mrsmith@northwestern.edu; <http://www.library.northwestern.edu/public/lcshmesh>

[Read more information about this source](#)

LNC248 (updated) - The Regenstrief Institute; Logical Observation Identifier Names and Codes (LOINC); Version 2.48; June, 2014; Indianapolis (IN)

Contact: LOINC c/o Regenstrief Center for Biomedical Informatics; The Regenstrief Institute, Inc; 410 West 10th Street, Suite 2000; IU campus mail address: HS, 2000; Indianapolis; IN; United States; 46202-3012; 317-274-9300; 1-317-274-9305; loinc@regenstrief.org; <http://loinc.org/>

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LNC215 - Logical Observation Identifier Names and Codes (LOINC). Version 2.15. Indianapolis (IN): The Regenstrief Institute, June 6, 2005

Contact: kmercer@regenstrief.org

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MCM92 - Glossary of Methodologic Terms for Clinical Epidemiologic Studies of Human Disorders. Canada: McMaster University, 1992.

Contact: R. Brian Haynes, M.D., Ph.D.; e-mail: bhaynes@mcmaster.ca; Clinical Epidemiology & Biostatistics and Medicine, Faculty of Health Sciences, McMaster University, Room 2C10B, 1200 Main Street, West Hamilton Ontario, Canada L8N 3Z5; phone (905) 525-9140

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MDDB_2014_07_30 (updated) - Master Drug Data Base; July 30, 2014

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Contact: Karen Eckert, RPh; Medi-Span; 8425 Woodfield Crossing Blvd., Suite 490; Indianapolis; IN; United States; 46240; (800) 388-8884; (317) 735-5390; Keckert@drugfacts.com, ms-support@drugfacts.com; http://www.medi-span.com/products/product_mdmb.asp

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MDR17_0 (updated) - Medical Dictionary for Regulatory Activities Terminology (MedDRA); Version 17.0; MedDRA MSSO; March 2014

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Contact: MedDRA MSSO; 7575 Colshire Drive; McLean; VA; United States; 22102; 1-877-258-8280(Toll free international), 1-703-556-2950(Direct); 1-703-556-1744; mssohelp@meddra.org; <http://www.meddra.org/>

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MDRJP17_0 (updated) - Medical Dictionary for Regulatory Activities Terminology (MedDRA); Version 17.0, Japanese Edition; MedDRA JMO; March, 2014

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Contact: MedDRA Japanese Maintenance Organization (JMO); Nagai Kinenkan 5F; 2-12-15 Shibuya, Shibuya-ku; Tokyo; Japan; 150-0002; +81-3-3400-5608; +81-3-3400-5609; info.jmo@pmrj.jp; <http://www.pmrj.jp/jmo/php/indexe.php>

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MEDCIN3_2014_07_24 (updated) - Medcomp Systems; MEDCIN; Chantilly, VA; Medcomp Systems; 2014; July 24, 2014; Chantilly VA

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Contact: David Lareau; Chief Executive Officer; Medcomp Systems; 14500 Avion Parkway, Suite 175; Chantilly; VA; United States; 20151; 703-803-8080; 703-803-8235; info@medicomp.com; <http://www.medicomp.com>

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MEDLINEPLUS_20131116 - MedlinePlus Health Topics; National Library of Medicine; November 16, 2013; Bethesda, MD

Contact: National Library of Medicine; 8600 Rockville Pike; Bldg.38; Bethesda; MD; United States; 20894; (888) 346-3656; (301) 402-1384; custserv@nlm.nih.gov; <http://www.nlm.nih.gov/medlineplus/xml.html>

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MMSL_2014_08_01 (updated) - Medisource Lexicon; August 01, 2014; Denver, CO; Multum Information Services, Inc.

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MMX_2014_08_04 (updated) - Micromedex RED BOOK; August 04, 2014

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MSH2015_2014_09_08 (updated) - Medical Subject Headings (MeSH); 2015; U.S. National Library of Medicine; 2015; Bethesda, MD

This source has been translated into many languages. To date, eight of the translations have been incorporated into the UMLS Metathesaurus.

Contact: John Kilbourne, M.D.; Head, MeSH Section; National Library of Medicine; 6701 Democracy Boulevard, Suite 202; Bethesda, MD; United States; 20894; (301)-496-1495; (301)-402-2002; kilbourj@mail.nih.gov; <http://www.nlm.nih.gov/mesh>

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MSHCZE2014 - Dept. of Bibliography, National Library of Medicine; Czech translation of the Medical Subject Headings; Prague, Czech Republic; 2014

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Contact: Marie Votipkova; Dept. of Bibliography, National Library of Medicine; Sokolska 54; Prague; Czech Republic; votipkov@nlk.cz; www.nlk.cz

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MSHDUT2005 - Nederlandse vertaling van MeSH [Dutch translation of MeSH]; Nederlands Tijdschrift voor Geneeskunde [Dutch Journal of Medicine]; 2005; Amsterdam, The Netherlands; DUT

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Contact: A.J.P.M. Overbeke; (20)-662-0150; overbeke@ntvg.nl

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MSHFIN2008 - Finnish Translations of Medical Subject Headings (MeSH); Finnish Medical Society Duodecim; 2008; Helsinki, Finland; FIN

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Contact: Dr. Peter Nyberg; Finnish Medical Network; Fennomed Oy; Makelankatu 2 A; Helsinki; Puh; Finland; 00500; (09)-393-091; (09)-3930-807; peter.nyberg@sll.fimnet.fi; <http://www.fimnet.fi>

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MSHFRE2014 - Thesaurus Biomedical Francais/Anglais [French translation of the Medical Subject Headings]; Paris, France; Institut National de la Sante et Recherche Medicale; 2014; Paris, France

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Contact: Dr. Yannick Pilatte; INSERM, DISC-Information Scientifique et Technique; Hopital de Bicetre Batiment Claude Bernard; 84, Rue du general Leclerc; Le Kremlin-Bicetre; France; 94276 Cedex; (33)-1-49-59-53-92; (33)-1-49-59-56-03; yannick.pilatte@inserm.fr; <http://www.inserm.fr>

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MSHGER2014 - German translation of Medical Subject Headings (MeSH); Cologne, Germany; Deutsches Institut fur Medizinische Dokumentation und Information; 2014; Cologne (Germany)

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Contact: Anja Vespermann; DIMDI-Deutsches Institut fur Medizinische Dokumentation und Information; Waisenhausgasse 36-38a; Koln; Germany; 50676; (49)-221-4724-428; (49)-221-4724-444; anja.vespermann@dimdi.de; <http://www.dimdi.de>

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MSHITA2014 - Italian translation of Medical Subject Headings; Rome, Italy; Istituto Superiore di Sanita, Settore Documentazione; 2014; Rome (Italy)

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Contact: Dr. Maurella Della Seta; Direttore; Istituto Superiore di Sanita; 229 Viale Regina Elena; Rome; Italy; 00161; 39-06-49903277; 39-06-49387117; maurella.dellaseta@iss.it; <http://www.iss.it>

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MSHJPN2011 - Igaku-Chuo-Zasshi.; NPO Japan Medical Abstracts Society (JAMAS); JAMAS Japanese Medical Thesaurus (JJMT); Tokyo, Japan; 2011; Japanese

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Contact: Yosuke Seyama; Japan Medical Abstracts Society; 2-5-18, Tokaido-Higashi, Suginami; Tokyo; Japan; 168-0072; seyama@jamas.or.jp

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MSHLAV2012 - Latvian translation of the Medical Subject Headings; Medical Library of Latvia; 2012; Riga (Latvia)

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Contact: Velta Poznaka; Director; Medical Library of Latvia; +371 67373646; +371 67373642; Velta.Poznaka@lmb.gov.lv

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MSHNOR2014 - Norwegian translation of the Medical Subject Headings (MeSH); Oslo, Norway; Norwegian Electronic Health Library; 2014; Oslo, Norway

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Contact: Sigrun Espelien Aasen; Research librarian; Norwegian Electronic Health Library, Norwegian Knowledge Centre for the Health Services; Postboks 7004, St. Olavs plass, 0130; Oslo; Norway; 00161; +47 930 72 840; +47 23 25 50 10; sea@nokc.no; <http://www.kunnskapssenteret.no/Home>, <http://www.helsebiblioteket.no/English>

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MSHPOL2013 - Department of Medical Bibliography; Polish Translation of the Medical Subject Headings; Central Medical Library; 2013; Warsaw, Poland

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Contact: Ewa Wlostowska; Dept. of Medical Bibliography, Central Medical Library; 00-791; Chocimska 22; Warsaw; Poland; ewaw@gbi.waw.pl; <http://www.gbi.waw.pl>

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MSHPOR2014 - BIREME/PAHO/WHO; Descritores em Ciencias da Saude [Portuguese translation of Medical Subject Headings]; Centro Latino-Americano e do Caribe de Informacao em Ciencias da Saude; 2014; Sao Paulo (Brasil)

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Contact: Arthur Alberto Correa Treuherz; Terminologies and Classifications, Supervisor; TCS AFI BIREME PAHO WHO; Centro Latino-Americano y del Caribe de Informacion en Ciencias de la Salud; Rua Botucatu, 862; Sao Paulo; Brasil; 04023-901; 55 11 5576-9822

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MSHRUS2014 - Russian Translation of the Medical Subject Headings; Moscow, Russia; State Central Scientific Medical Library; 2014; Moscow, Russia

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Contact: Vladimir V'yugin; The State Central Scientific Medical Library; 30, Krasikova St.; Moscow; Russia; 117418; vyugin2@mail.ru

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MSHSCR2014 - Croatian translation of the Medical Subject Headings (MeSH); Zagreb, Croatia; University of Zagreb School of Medicine - Central Medical Library; 2014

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Contact: Lea Skoric; University of Zagreb School of Medicine - Central Medical Library; Salata 3; Zagreb; Croatia; 10000; +385-1-4566936; lea.skoric@mef.hr; <http://smk.mef.unizg.hr/>

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MSHSPA2014 - BIREME/PAHO/WHO; Descritores en Ciencias de la Salud [Spanish translation of the Medical Subject Headings]; Centro Latino-Americano e do Caribe de Informacao em Ciencias da Saude; 2014; Sao Paulo (Brasil)

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Contact: Arthur Alberto Correa Treuherz; Terminologies and Classifications, Supervisor; TCS AFI BIREME PAHO WHO; Centro Latino-Americano y del Caribe de Informacion en Ciencias de la Salud; Rua Botucatu, 862; Sao Paulo; Brasil; 04023-901; 55 11 5576-9822

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MSHSWE2010 - Swedish Translation of Medical Subject Headings (MeSH); Karolinska Institutet; 2010; Stockholm

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Contact: Ylva Gavel; Library of Karolinska Institutet; Box 200; Stockholm; Sweden; SE-171 77; (46)-0-8-524 84 000; (46)-0-8-524 84 310; Ylva.Gavel@kib.ki.se; http://mesh.kib.ki.se/swemesh/licence_en.html

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MTH - UMLS Metathesaurus. Bethesda, MD: National Library of Medicine.

Concept names with this source abbreviation were created by NLM to facilitate creation of the UMLS Metathesaurus. There are relatively few of them.

Contact: Steve Emrick, National Library of Medicine, UMLS Support, 38A-4th floor, 8600 Rockville Pike, Bethesda MD 20894; phone: 301-496-7715; e-mail: emricks@mail.nih.gov

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MTHFDA_2011_06_01_13_05_06 - Metathesaurus Forms of FDA National Drug Code Directory; 2011_06_01_13_05_06; Bethesda, MD; National Library of Medicine

Concept names with this source abbreviation were created by NLM to provide contextual information for FDA NDC terms.

Contact: Steve Emrick; National Library of Medicine; UMLS Support, 38A-4th fl; 8600 Rockville Pike; Bethesda; MD; United States; 20894; phone: 301-496-7715; e-mail: emricks@mail.nih.gov

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MTHHH2014 - Metathesaurus Hierarchical HCPCS Terms; Bethesda, MD; National Library of Medicine; 2014

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Contact: Chris Hui; U.S. National Library of Medicine; Bethesda; MD; United States; huic@mail.nlm.nih.gov

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MTHICD9_2013_2012_08_06 - Metathesaurus additional entry terms for ICD-9-CM [computer file]: International Classification of Diseases, Ninth Revision, Clinical Modification; National Library of Medicine; October 1, 2012; Bethesda, MD

Contact: Steven Emrick; Head, Terminology QA and User Services Unit; National Library of Medicine; 8600 Rockville Pike; Bethesda; Maryland; United States; 20894; 301-496-7715; emricks@mail.nlm.nih.gov

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MTHICPC2EAE_200203 - Henk Lamberts and Inge Hofmans-Okkes. International Classification of Primary Care 2nd Edition, Electronic, 2E, American English Equivalents. Amsterdam: International Classification of Primary Care / prepared by the Classification Committee of the World Organization of National Colleges, Academies and Academic Associations of General Practitioners/Family Physicians (WONCA), known more briefly as the World Organization of Family Doctors, 2002

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Concept names with this source abbreviation were created by NLM to provide contextual information for ICPC2E terms.

Contact: Prof. Dr. H. Lamberts and Inge M. Okkes, PhD, Department of Family Practice, Division Clinical Methods & Public Health, Academic Medical Center/University of Amsterdam, Meibergdreef 15 (Room J2-213), 1105 AZ Amsterdam, The Netherlands; Tel: 31 20 566 4711

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MTHICPC2ICD10AE_0412 - International Classification of Primary Care / prepared by the Classification Committee of the World Organization of National Colleges, Academies and Academic Associations of General Practitioners/Family Physicians (WONCA), known more briefly as the World Organization of Family Doctors. 2nd ed. Henk Lamberts and Inge Hofmans-Okkes, American English Equivalents, 2002

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Contact: Prof. Dr. H. Lamberts and Inge M. Okkes, PhD, Department of Family Practice, Division of Clinical Methods & Public Health, Academic Medical Center/University of Amsterdam, Meibergdreef 15 (Room J2-213), 1105 AZ Amsterdam, The Netherlands; Tel: 31 20 566 4711

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MTHMST2001 - Metathesaurus Version of Minimal Standard Terminology Digestive Endoscopy. Bethesda, MD: National Library of Medicine,

2001.

Contact: Steve Emrick, National Library of Medicine, UMLS Support, 38A-4th fl, 8600 Rockville Pike, Bethesda, MD 20894; phone: 301 496-7715; e-mail: emricks@mail.nih.gov

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MTHMSTFRE_2001 - Metathesaurus Version of Minimal Standard Terminology Digestive Endoscopy, French Translation. Bethesda, MD: National Library of Medicine, 2001.

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MTHMSTITA_2001 - Metathesaurus Version of Minimal Standard Terminology Digestive Endoscopy, Italian Translation. Bethesda, MD: National Library of Medicine, 2001.

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MTHSPL_2014_08_25 (updated) - Metathesaurus Forms of the FDA Structured Product Labels; 2014_08_25; Bethesda, MD; National Library of Medicine

Contact: John Kilbourne, M.D.; Head, MeSH Section; kilbourj@mail.nlm.nih.gov

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NAN2004 - Sparks Ralph, Sheila, Craft-Rosenberg, Martha, Herdman, T. Heather, Lavin, Mary Ann, editors. NANDA nursing diagnoses: definitions and classification 2003-2004. Philadelphia: NANDA International, 2003.

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NCBI2014_04_01 (updated) - U.S. Department of Health and Human Services; NCBI Taxonomy; National Institutes of Health, National Library of Medicine, National Center for Biotechnology Information; April 1, 2014; Bethesda, MD

Contact: National Library of Medicine; 8600 Rockville Pike; Bethesda; MD; United States; 20894; info@ncbi.nlm.nih.gov; <http://www.ncbi.nlm.nih.gov/Taxonomy>

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NCI2014_03E (updated) - National Cancer Institute, National Institutes of Health; NCI Thesaurus; National Cancer Institute; April 2014; Bethesda, MD

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Contact: Enterprise Vocabulary Services (EVS); National Cancer Institute; 240-276-5541, 1-888-478-4423 (toll free); ncicbiit@mail.nih.gov; <http://ncicb.nci.nih.gov/support>

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NCI2014_BioC_1403E (new) - BioCarta online maps of molecular pathways, adapted for NCI use

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NCI2014_BRIDG_1403E (new) - Biomedical Research Integrated Domain Group Model

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NCI2014_CDC_1403E (new) - U.S. Centers for Disease Control and Prevention, Department of Health and Human Services;Atlanta, GA

Contact: Enterprise Vocabulary Services (EVS);National Cancer Institute;240-276-5541, 1-888-478-4423 (toll free); ncicbiit@mail.nih.gov; <http://ncicb.nci.nih.gov/support>

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NCI2014_CDISC_1403E (new) - Clinical Data Interchange Standards Consortium

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NCI2014_CRCH_1403E (new) - Cancer Research Center of Hawaii, University of Hawaii;Cancer Research Center of Hawaii Nutrition Terminology;Hawaii

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NCI2014_CTCAE_1403E (new) - Common Terminology Criteria for Adverse Events

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NCI2014_CTEP-SDC_1403E (new) - Cancer Therapy Evaluation Program - Simple Disease Classification

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NCI2014_DCP_1403E (new) - NCI Division of Cancer Prevention Program

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NCI2014_DICOM_1403E (new) - Digital Imaging Communications in Medicine

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NCI2014_DTP_1403E (new) - National Cancer Institute;NCI Developmental Therapeutics Program;Lawrence Wright, NCI, lwright@mail.nih.gov

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NCI2014_FDA_1403E (new) - U.S. Food and Drug Administration

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NCI2014_ICH_1403E (new) - International Conference on Harmonization

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NCI2014_JAX_1403E (new) - Jackson Laboratories;Jackson Laboratories Mouse Terminology, adapted for NCI use;2003;Bar Harbor, ME

Contact: Enterprise Vocabulary Services (EVS);National Cancer Institute;240-276-5541, 1-888-478-4423 (toll free); ncicbiit@mail.nih.gov; <http://ncicb.nci.nih.gov/support>

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NCI2014_KEGG_1403E (new) - Kyoto Encyclopedia of Genes and Genomes (KEGG), KEGG Pathway Database, adapted for NCI use;April 2004

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NCI2014_NCI-GLOSS_1403E (new) - National Cancer Institute;NCI Dictionary of Cancer Terms;Bethesda, MD

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NCI2014_NCI-HL7_1403E (new) - Health Level 7;NCI Health Level 7

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NCI2014_NCPDP_1403E (new) - National Council for Prescription Drug Programs;Scottsdale, AZ

Contact: Enterprise Vocabulary Services (EVS);National Cancer Institute;240-276-5541, 1-888-478-4423 (toll free); ncicbiit@mail.nih.gov; <http://ncicb.nci.nih.gov/support>

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NCI2014_NICHD_1403E (new) - National Institute of Child Health and Human Development, National Institutes of Health

Contact: Enterprise Vocabulary Services (EVS);National Cancer Institute;240-276-5541, 1-888-478-4423 (toll free); ncicbiit@mail.nih.gov; <http://ncicb.nci.nih.gov/support>

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NCI2014_PID_1403E (new) - Carl F. Schaefer, Kira Anthony, Shiva Krupa, Jeffrey Buchoff, Matthew Day, Timo Hannay & Kenneth H. Buetow.;PID: The Pathway Interaction Database;Nucleic Acids Res. 37, D674-9 (2009);2009

Contact: Enterprise Vocabulary Services (EVS);National Cancer Institute;240-276-5541, 1-888-478-4423 (toll free); ncicbiit@mail.nih.gov; <http://ncicb.nci.nih.gov/support>

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NCI2014_RENI_1403E (new) - Registry Nomenclature Information System

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NCI2014_UCUM_1403E (new) - Schadow, Gunther and McDonald, Clement;Regenstrief Institute, Inc. and The UCUM Organization;Unified Code for Units of Measure;1999-2009;Indianapolis, IN

Contact: Enterprise Vocabulary Services (EVS);National Cancer Institute;240-276-5541, 1-888-478-4423 (toll free); ncicbiit@mail.nih.gov; <http://ncicb.nci.nih.gov/support>

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NCI2014_ZFin_1403E (new) - Zebrafish Information Network (ZFIN); Zebrafish Model Organism Database; University of Oregon; Eugene, OR

Contact: Enterprise Vocabulary Services (EVS); National Cancer Institute; 240-276-5541, 1-888-478-4423 (toll free); ncicbiit@mail.nih.gov; <http://ncicb.nci.nih.gov/support>

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NCISEER_1999 - NCI Surveillance, Epidemiology, and End Results (SEER) conversions between ICD-9-CM and ICD-10 neoplasm codes. National Cancer Institute, Bethesda, MD. Release Date: June 1999. URL: <http://www-seer.ims.nci.nih.gov/Admin/ConvProgs/> Phone: 301-496-8510.

Contact: National Cancer Institute Bethesda, MD; phone: 301-496-8510

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NDDF_2014_08_06 (updated) - FDB MedKnowledge (formerly NDDF Plus); August 06, 2014; South San Francisco, CA; First Databank

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Contact: First Databank Customer Support; 701 Gateway Blvd, Suite 600; South San Francisco; CA; United States; 94080; 800-633-3453; cs@fdbhealth.com

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NDFRT_2014_09_02 (updated) - National Drug File - Reference Terminology; 2014_09_02; Washington, DC; U.S. Department Of Veterans Affairs, Veterans Health Administration

Contact: Michael J. Lincoln MD, FACMI; Chief Terminologist; VA Chief Health Information Office (VA CHIO); 550 Foothill Boulevard; Salt Lake City; UT; United States; 84113; 801-588-5200; michael.lincoln@va.gov

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NDFRT_FDASPL_2014_09_02 (new) - National Drug File - Reference Terminology - FDASPL; 2014_09_02; Washington, DC; U.S. Department Of Veterans Affairs, Veterans Health Administration

Contact: Michael J. Lincoln MD, FACMI; Chief Terminologist; VA Chief Health Information Office (VA CHIO); 550 Foothill Boulevard; Salt Lake City; UT; United States; 84113; 801-588-5200; michael.lincoln@va.gov

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Contact: Michael J. Lincoln MD, FACMI; Chief Terminologist; VA Chief Health Information Office (VA CHIO); 550 Foothill Boulevard; Salt Lake City; UT; United States; 84113; 801-588-5200; michael.lincoln@va.gov

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NEU2014_06_01 (updated) - NeuroNames, BrainInfo (1991-Present); National Primate Research Center, University of Washington; 2012. 2013; June 1, 2014; <http://www.braininfo.org>

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Contact: Douglas M. Bowden, MD; Professor of Psychiatry and Behavioral Sciences; Department of Psychiatry & Behavioral Sciences, University of Washington School of Medicine; UW Department of Psychiatry & Behavioral Sciences; 1959 NE Pacific Street; Seattle; WA; United States; 98195; dmbowden@u.washington.edu; <http://braininfo.rprc.washington.edu/copyright.aspx>

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NIC2005 - Nursing Interventions Classification (NIC)

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Contact:

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NOC3 - Moorhead, Sue, Johnson, Marion, Maas, Meridean, editors. Nursing Outcomes Classification (NOC): Iowa Outcomes Project. St. Louis

(MO): Mosby, Inc., 2004.

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Contact: Licensing Department, Elsevier. The Curtis Center, Independence Square West. Philadelphia, PA 19106.

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OMIM2014_04_28 (updated) - McKusick-Nathans Institute of Genetic Medicine, Johns Hopkins University (Baltimore, MD); Online Mendelian Inheritance in Man, OMIM.; Baltimore, MD; McKusick-Nathans Institute of Genetic Medicine, Johns Hopkins University; April 28, 2014

Contact: Johns Hopkins University; Johns Hopkins University; Baltimore; MD; JHTT-Communications@jhmi.edu; <http://www.omim.org/copyright>

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OMS2005 - Martin, Karen S., Scheet, Nancy J.; The Omaha System; 2005

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Contact: Karen S. Martin; RN, MSN, FAAN; Martin Associates; 2115 S. 130th St.; Omaha; Nebraska; United States; 68144; 1-402-333-1962; martinks@tconl.com; <http://www.omahasystem.org>

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PCDS97 - Ozbolt, Judy Grace. Patient Data Care Set (PCDS), Version 4.0, 1998. Contact: judy.ozbolt@mcm.vanderbilt.edu; Vanderbilt University School of Nursing; 400-C Godchaux Hall; Nashville, TN 37240-0008; Telephone 615-343-3291

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Contact: Judy Ozbolt, Vanderbilt School of Nursing 400-C Godchaux Hall Nashville TN 37240-0008; phone: (615)343-3291; email: judy.ozbolt@mcm.vanderbilt.edu

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PDQ2007_02 - PDQ. Bethesda (MD): National Cancer Institute, February 2007.

Contact: Margaret Haber, NCI, Building 6116 - 6116 Exec Blvd, Room 3124, Rockville, MD; telephone: 301-594-9185; Fax: 301-480-8105; Email: mhaber@mail.nih.gov

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PNDS2011 - AORN; Carol Petersen; Perioperative nursing data set : the perioperative nursing vocabulary; 3rd edition; Denver, CO; AORN, Inc.; 2011

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Contact: Sharon Giarrizzo-Wilson; info@aorn.org

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Contact: Scott Antall, American Pharmaceutical Association - Academy of Pharmaceutical Research and Science; email: ssa@mail.aphanet.org; Academy of Pharmaceutical Research and Science, 2215 Constitution Avenue NW, Washington DC 20037-2985

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PSY2004 - American Psychological Association. Thesaurus of psychological index terms/Lisa A. Gallagher, ed., 10th ed., 30th anniversary, 1974-2004. Washington, DC: American Psychological Association, c2005.

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Contact: Lisa A. Gallagher, American Psychological Association, 750 First Stree, NE, Washington, DC 20002-4242; phone: 202-336-5726; email" LGallagher@apa.org

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QMR96 - Quick Medical Reference (QMR). San Bruno (CA): First DataBank, 1997.

Contact: Quick Medical Reference, First Databank, 1111 Bayhill Drive San Bruno, CA 94066

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RAM99 - QMR clinically related terms from Randolph A. Miller, 1999.

Contact: Dr. Randolph A. Miller (email: randolph.a.miller@vanderbilt.edu). Chair, Dept. of Biomedical Informatics, Vanderbilt University, 436 Eskin Biomedical Library, 2209 Garland Ave., Nashville TN 37232-8340

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RCD99 - Clinical Terms Version 3 (CTV3) (Read Codes) (Q199): National Health Service National Coding and Classification Centre; March, 1999.

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Contact: NHS Information Authority Loughborough, Woodgate, Loughborough, Leicestershire LE11 2TG; fax: +44 (0) 1509 211611; e-mail: helpdesk3@nhsgcc.exec.nhs.uk

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RCDAE_1999 - American English equivalent of the Clinical Terms Version 3 (Q1, 1999), produced by NLM. Bethesda (MD): National Library of Medicine, UMLS project, 1999.

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RCDSA_1999 - American English equivalent of synthesized terms from the Clinical Terms Version 3 (Q1, 1999), produced by NLM. Bethesda (MD): National Library of Medicine, UMLS project, 1999.

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Contact: NHS Information Authority Loughborough, Woodgate, Loughborough, Leicestershire LE11 2TG; fax: +44 (0) 1509 211611; e-mail: helpdesk3@nhsgcc.exec.nhs.uk

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RCDSY_1999 - Synthesized Read terms (without initial bracketed letters) of the Clinical Terms Version 3 (Q1, 1999), produced by NLM. Bethesda (MD): National Library of Medicine, UMLS project, 1999.

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Contact: NHS Information Authority Loughborough, Woodgate, Loughborough, Leicestershire LE11 2TG; fax: +44 (0) 1509 211611; e-mail: helpdesk3@nhsgcc.exec.nhs.uk

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RXNORM_14AA_140902F (updated) - RxNorm; META2014AA Full Update 2014_09_02; Bethesda, MD; National Library of Medicine

This release contains concepts created by the National Library of Medicine which express the meaning of a drug name in a normalized form. These concepts relate the names of orderable medications to a dose form and the components of those medications. For further discussion, see the article at: <http://umlsinfo.nlm.nih.gov/RxNorm.html>.

Contact: John Kilbourne, M.D. ; Head, MeSH Section; National Library of Medicine; 6701 Democracy Blvd.; Suite 202 MSC 4879; Bethesda; Maryland; United States; 20892-4879; kilbourj@mail.nlm.nih.gov

SCTSPA_2014_04_30 (updated) - International Health Terminology Standards Development Organisation (IHTSDO); SNOMED Terminos Clinicos (SNOMED CT), Edicion en Espanol; Spanish Language Edition; Copenhagen, Denmark; April 30, 2014

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Contact: UMLS Support, National Library of Medicine; e-mail: custserv@nlm.nih.gov

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SNM2 - Cote, Roger A., editor. Systematized Nomenclature of Medicine. 2nd ed. Skokie (IL): College of American Pathologists, 1979. SNOMED update, 1982. Skokie (IL): College of American Pathologists, 1982.

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SNMI98 - Cote, Roger A., editor. Systematized Nomenclature of Human and Veterinary Medicine: SNOMED International. Northfield (IL): College of American Pathologists; Schaumburg (IL): American Veterinary Medical Association, Version 3.5, 1998.

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SNOMEDCT_US_2014_09_01 (updated) - International Health Terminology Standards Development Organization; SNOMED Clinical Terms US Edition; September 01, 2014; Copenhagen, Denmark; International Health Terminology Standards Development Organisation (IHTSDO)

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SNOMEDCT_US_2013_03_01 - International Health Terminology Standards Development Organization; SNOMED Clinical Terms US Edition; March 1, 2013; Copenhagen, Denmark; International Health Terminology Standards Development Organisation (IHTSDO)

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SNOMEDCT_US_2014_03_01 - International Health Terminology Standards Development Organization; SNOMED Clinical Terms US Edition; March 1, 2014; Copenhagen, Denmark; International Health Terminology Standards Development Organisation (IHTSDO)

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SNOMEDCT_VET_2014_04_15 (updated) - Veterinary Terminology Services Laboratory (VTSL), Virginia Maryland Regional College of Veterinary Medicine, Virginia Tech; The Veterinary Extension to SNOMED CT; April 15, 2014; Blacksburg, VA; Veterinary Terminology Services Laboratory (VTSL)

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SOP5 - Public Health Data Standards Consortium (PHDSC), Standards Data Committee, Payer Subcommittee; Source of Payment Typology; PHDSC; October 2011; Baltimore, MD

Contact: Anna Orlova; PHDSC Executive Director; Public Health Data Standards Consortium (PHDSC) ; 111 South Calvert Street Suite 2700; Baltimore; MD; 21202; 410-385-5272; aorlova@jhsphe.edu; <http://www.phdsc.org>

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SPN2003 - Standard Product Nomenclature (SPN). Rockville, (MD); U.S. Food and Drug Administration, 2003

Contact: custserv@nlm.nih.gov

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SRC - UMLS Metathesaurus Source Terminologies. Bethesda, MD: National Library of Medicine.

Contact: Steve Emrick, National Library of Medicine, UMLS Support, 38A-4th fl, 8600 Rockville Pike, Bethesda MD 20894; phone: 301 496-7715; e-mail: emricks@mail.nih.gov

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TKMT2011 - Traditional Korean Medical Terms; 2011; Korea; KOR

Contact: Jinhyun Kim; Researcher/O.M.D; Information Research Center, TKM Information Research Division, Korea Institute of Oriental Medicine; 483 Expo-ro, Yuseong-gu; Daejeon; Korea; 305-811; +82-42-868-9565, +82-10-2237-2378; +82-42-861-9421; kjh970203@kiom.re.kr

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ULT93 - Bell, Douglas. Ultrasound Structured Attribute Reporting (UltraSTAR). Boston (MA): Brigham & Womens Hospital, 1993.

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Contact: Robert Greenes, M.D., Ph.D., Brigham & Womens Hospital; Department of Radiology, 75 Francis Street, Boston MA 02115 e-mail: greenes@harvard.edu phone: (617) 732-6281

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UMD2014 - The Universal Medical Device Nomenclature System; ECRI; Plymouth Meeting; 2014

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Contact: Elizabeth Richardson; Director of Database and Nomenclature Systems; ECRI; 5200 Butler Pike; Plymouth Meeting; Pennsylvania; United States; 19462-1298; 1-610-825-6000; 1-610-834-1275; erichard@ecri.org; <http://www.ecri.org/Products/Pages/UMDNS.aspx>

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USPMG_2004 - United States Pharmacopeia (USP). Medicare Prescription Drug Benefit Model Guidelines: Drug Categories and Classes in Part D, 2004. <http://www.usp.org/pdf/EN/mmg/comprehensiveDrugListing2004-12-31.pdf>

Contact: <http://www.usp.org/healthcareInfo/mmg/finalGuidelines.html>

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UWDA173 - University of Washington Digital Anatomist, (UWDA). Seattle (WA): University of Washington, Version 1.7.3, March, 2003. Jose Mejino, M.D.; email: onard@biostr.washington.edu

Contact: Jose Mejino, M.D.; e-mail: onard@biostr.washington.edu; University of Washington Digital Anatomist Symbolic Knowledge Base, University of Washington Digital Anatomist Information System, Structural Informatics Group, Department of Biological Structure, University of Washington, Seattle WA 98195

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VANDF_2014_07_17 (updated) - Veterans Health Administration National Drug File; July 17, 2014; Washington, DC; U.S. Department of Veterans Affairs

*NOTE: Now a CATEGORY 0.

Contact: Michael Lincoln, M.D.; U.S. Department of Veterans Affairs, Veterans Health Administration; Washington; DC; United States; michael.lincoln@med.va.gov; <http://www.pbm.va.gov/default.aspx>

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WHO97 - WHO Adverse Drug Reaction Terminology (WHOART). Uppsala (Sweden): WHO Collaborating Centre for International Drug Monitoring, 1997.

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The Metathesaurus includes translations of WHO97 in:

- French (WHOFRE_1997),
- German (WHOGER_1997),
- Portuguese (WHOPOR_1997), and
- Spanish (WHOSPA_1997).

Contact: WHO Collaborating Centre for International Drug Monitoring, Stora Target 3, S-753 20 Uppsala, Sweden; fax: +46-18-656080

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WHOFRE_1997 - WHO Adverse Drug Reaction Terminology (WHOART). French Translation. Uppsala (Sweden): WHO Collaborating Centre for International Drug Monitoring, 1997.

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WHOGER_1997 - WHO Adverse Drug Reaction Terminology (WHOART). German Translation. Uppsala (Sweden): WHO Collaborating Centre for International Drug Monitoring, 1997.

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WHOPOR_1997 - WHO Adverse Drug Reaction Terminology (WHOART). Portuguese Translation. Uppsala (Sweden): WHO Collaborating

Centre for International Drug Monitoring, 1997.

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APPENDIX 2

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5.2.2 The representatives of the parties identified in accordance with clause 5.2.1 shall meet in good faith to seek to resolve the matter. If they are unable to resolve the matter within 45 days of the date of the Escalation Notice the Terminating Party may serve a formal breach notice (the "**Breach Notice**") on the Defaulting Party requiring it to remedy the breach within 90 days.

5.2.3 If the Defaulting Party does not remedy the breach within 90 days of the date of the Breach Notice the Terminating Party may terminate the License Agreement by giving 180 days written notice to the Defaulting Party (the "**Termination Notice**").

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6.4 The College of American Pathologists, as originator of Intellectual Property Rights in the International Release, shall as a licensee have a specific exception to the Licensor's rights in Clause 6.3 in specific circumstances and for a specific fixed term period to be agreed with the Licensor, and the terms of such special exemption shall be deemed part of such licensee's Affiliate Licence Terms. The Licensor will publish the terms of the special exemption with the Articles.

7. LICENCE FEES

7.1 The Licensee shall pay the Licence Fees to the Licensor in respect of the Licensee's activities in Non-Member Territories. The Licence Fees shall be payable six-monthly in arrear, and each annual fee set out in Appendix B shall be payable in two equal six-monthly instalments.

7.2 All Licence Fees and other amounts payable to the Licensor under this Agreement are exclusive of value added tax and any other tax of a similar nature, which shall be payable by the Licensee at the prevailing rate in addition to those amounts.

7.3 The Licensee shall, by no later than fourteen (14) days after 1st January and 1st July in each calendar year, submit a statement of account to the Licensor in such manner and form as the Licensor may prescribe, setting out the Licensee's activities in Non-Member Territories in the preceding six-month period, and the Licensee's calculation of the Licence Fees and other amounts payable to the Licensor in respect of that period. If the Licence Fees for any period are less than \$1,000 (one thousand United States dollars), a statement shall nevertheless be due but no payment shall be due until the period in which the accumulated Licence Fees of \$1,000 or greater are due, at which time the Licensee shall be liable to pay the accumulated Licence Fees.

7.4 The Licensee shall provide the Licensor with such information as the Licensor may reasonably request for the purpose of verifying any statement of account submitted to the Licensor under **clause 7.3**.

7.5 The Licensor shall, following receipt of a statement of account from the Licensee under **clause 7.3**, submit an invoice to the Licensee setting out the Licence Fees and other amounts payable by the Licensee in respect of the period to which the statement of account relates. The Licensee shall pay to the Licensor all amounts set out on each invoice submitted under this **clause 7.5** within thirty (30) days of receipt of that invoice. The Licensee shall make payment under this **clause 7.5** by wire transfer or by such other means as the Licensor may make available to the Licensee for time to time.

7.6 Interest shall accrue on any outstanding Licence Fees and other amounts at the rate of the lesser of (a) 500 basis points above the European Inter-Bank Offer Rate (EURIBOR), calculated daily from the date on which payment was due and compounding at the end of each calendar month or (b) the maximum amount allowed under applicable law.

8. PROTECTION OF THE LICENSOR'S INTELLECTUAL PROPERTY

8.1 Nothing in this Licence Agreement transfers to the Licensee any right, title or interest in or to the Intellectual Property Rights in the International Release or any part of it, except as expressly set out in **clause 2**.

8.2 The Licensee shall not:

- 8.2.1 use any trademark or service mark (or any registrations thereof) other than the Licensor's trademarks, in any name that includes the word "SNOMED" or that is confusingly similar to SNOMED CT or any other similar trademark;
- 8.2.2 apply for any trade mark or service mark (or any registrations thereof) in any name that includes the word "SNOMED", or that is confusingly similar to SNOMED, SNOMED CT or any other similar trade mark;
- 8.2.3 abbreviate the marks SNOMED or SNOMED CT; or
- 8.2.4 do anything with respect to the foregoing trade marks that damages or could reasonably be deemed to reflect adversely on the Licensor or such trade marks.

8.3 The Licensee shall:

8.3.1 include the following notice on all media on which the Licensee Products are distributed and on the documentary form of each sub-licence granted by the Licensee under **clause 2.1.5**:

"This material includes SNOMED Clinical Terms® (SNOMED CT®) which is used by permission of the International Health Terminology Standards Development Organisation (IHTSDO). All rights reserved. SNOMED CT®, was originally created by The College of American Pathologists. "SNOMED" and "SNOMED CT" are registered trademarks of the IHTSDO."

8.3.2 specify in all media on which the Licensee Products are distributed the version and date of the International Release contained in the Licensee Product.

8.4 The Licensee shall be entitled to use the "SNOMED" and "SNOMED CT" trade marks only on the Licensee Products distributed and modified in accordance with this Licence Agreement and any services relating thereto but not otherwise and subject to the trade mark utilisation regulation developed by the Licensor and published by the Licensor from time to time. All use by the Licensee of the "SNOMED" and "SNOMED CT" trade marks, and all goodwill resulting from that use, shall inure to the Licensor's benefit.

8.5 The Licensee shall maintain quality standards with respect to modifying, supplementing, marketing and distributing the Licensee Products, and any services relating thereto, that are in accordance with applicable law and are at least as stringent as the Regulations developed by the Licensor and published by the Licensor from time to time.

8.6 Upon reasonable written notice from the Licensor, the Licensee shall provide the Licensor with representative samples of materials, software products, advertising, agreements for use of the Licensee Products (other than the terms of those agreements that are unrelated to the Licensor's rights and obligations under this License Agreement) and/or other written materials relating to the Licensee's use of the International Release and the Licensor's trade marks to enable the Licensor reasonably to ascertain the Licensee's compliance with its obligations under this Licence Agreement. In the absence of circumstances giving the Licensor reasonable grounds to suspect a breach of this Licence Agreement, the Licensor may not give notice under this **clause 8.6** more frequently than once per year.

8.7 If any use of the International Release (including without limitation use through a Licensee Product) is reasonably determined by the Licensor to be below the standards of quality required under this Licence Agreement, the Licensor shall notify the Licensee of such deficiency in writing. Upon receipt of such notice, the Licensee shall take all necessary steps to correct such deficiency (including such steps as the Licensor may reasonably specify).

8.8 The Licensee shall maintain a complete, accurate and up-to-date register of all sub-licences granted by the Licensee under **clause 2.1.5**, and shall make that register available for inspection during normal business hours by the Licensor and its representatives upon the Licensor giving not less than fourteen (14) days' prior written notice. The register maintained by the Licensee under this **clause 8.8** shall at a minimum contain the following information in respect of each sub-licence: the name and registered office of the sub-licensee; the Licensee Product subject to the sub-licence; and the version of the International Release included in that Licensee Product. In the absence of circumstances giving the Licensor reasonable grounds to suspect a breach of this Licence Agreement, the Licensor may not give notice under this **clause 8.8** more frequently than once per year.

9. COMPLIANCE WITH LOCAL REQUIREMENTS IN MEMBER TERRITORIES

9.1 The Licensee may only exercise its rights under this Licence Agreement in a Member Territory in accordance with such conditions as the Member for that territory may prescribe from time to time.

9.2 Conditions prescribed by a Member under **clause 9.1** may:

9.2.1 include, without limitation, a requirement that the Licensee notify the Member before exercising its rights under this Licence Agreement in that Member's territory and a requirement that the Licensee enter into a licence agreement with the Member in respect of that Member's National Release; and

9.2.2 relate to the International Release, the Member's National Release or any part of either of them.

10. AFFILIATE STATUS

10.1 During the term of this Licence Agreement the Licensee shall be an Affiliate.

10.2 As an Affiliate, the Licensee shall be entitled to participate in the Licensor's Affiliates Forum, which is a forum in which the Licensee and other Affiliates may communicate with the Licensor and with each other. The Licensor may make regulations from time to time governing the Licensee's participation in the Affiliates Forum. New regulations that the Licensor shall make from time to time governing participation in the Affiliates Forum shall not remove the Licensee's right to participate in that forum.

11. REPRESENTATIONS AND WARRANTIES

11.1 To the extent permitted by law, the Licensor excludes all representations, warranties and conditions that would otherwise be implied by law in this Licence Agreement (including, without limitation, all implied warranties of merchantability or fitness for a particular purpose).

11.2 Without limiting **clause 11.1**, the Licensor does not represent or warrant that the International Release or any part of it will satisfy any of the Licensee's requirements, operate in combinations selected by the Licensee or be free from defects or errors.

12. LIMITATION OF LIABILITY

12.1 The Licensor shall not be liable to the Licensee or to any other person, whether in contract, tort (including negligence), misrepresentation, breach of statutory duty or otherwise, for any of the following arising under or in connection with this Licence Agreement (including, without limitation, in respect of the Licensee's use of or inability to use the International Release or any part of it):

12.1.1 indirect or consequential loss;

- 12.1.2 special or punitive damages;
- 12.1.3 loss of profits, loss of savings and loss of revenue;
- 12.1.4 loss of business, loss of reputation and loss of goodwill; and
- 12.1.5 loss of data.

12.2 Neither the Licensor nor any Member shall be liable to the Licensee or any other person for any failure by the Licensor or the Member (as the case may be) to maintain or distribute any Extension (or part thereof) or Derivative transferred to the Licensor or the Member (as the case may be) in accordance with **clauses 3.4 or 3.5**.

12.3 The liability of the Licensor arising in any year under or in connection with this Licence Agreement, whether in contract, tort (including negligence), misrepresentation, breach of statutory duty or otherwise, shall not in any event exceed the Licence Fees paid by the Licensee in respect of that year.

12.4 Nothing in this Licence Agreement excludes or limits the liability of either party for:

- 12.4.1 fraud (including fraudulent misrepresentation);
- 12.4.2 death or personal injury caused by the negligence of that party;
- 12.4.3 any breach of its obligations implied by section 12 of the Sale of Goods Act 1979; or
- 12.4.4 any other liability that by law cannot validly be excluded or limited (but only to the extent that the liability cannot validly be excluded or limited).

13. ASSIGNMENT

13.1 The Licensee may not assign, novate or otherwise transfer any of its rights or obligations under this Licence Agreement to any person without the prior written consent of the Licensor not to be unreasonably withheld.

13.2 The Licensor may transfer all of its rights and obligations under this Licence Agreement to any person to whom the Licensor transfers the Intellectual Property Rights in respect of which the licences under this Licence Agreement are granted.

14. GENERAL PROVISIONS

14.1 This Licence Agreement contains the entire agreement between the parties relating to the subject matter of this Licence Agreement, supersedes all previous agreements between the Parties relating to that subject matter and sets out the entirety of the Licensee's rights in respect of the International Release.

14.2 Each party acknowledges that, in entering into this Licence Agreement, it has not relied on any representation, warranty, collateral contract or other assurance made by or on behalf of the other party before the date of this Licence Agreement.

14.3 Except as provided in **clause 6.3**, this Licence Agreement may not be varied except in writing signed by both parties and expressed to vary this Licence Agreement.

14.4 Nothing in this Licence Agreement shall give either party the ability to act or incur obligations or liability on behalf of the other party or constitutes a joint venture, agency, partnership or employment relationship between the parties.

14.5 If any term of this Licence Agreement is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the legality, validity or enforceability in that jurisdiction of any other term of this Licence Agreement, or the legality, validity or enforceability in any other jurisdiction of that or any other term of this Licence Agreement.

15. GOVERNING LAW AND JURISDICTION

15.1 This Licence Agreement shall be governed by, and construed in accordance with, English law.

15.2 The English courts shall have exclusive jurisdiction to settle any dispute arising out of or in connection with this Licence Agreement (including a dispute regarding its existence, validity or termination).

15.3 **Clause 15.2** is for the benefit of the Licensor only. As a result, the Licensor shall not be prevented from taking proceedings relating to any dispute in any other courts with jurisdiction. To the extent permitted by law, the Licensor may take concurrent proceedings in any number of jurisdictions.

Appendix A

Defined Terms

In this Licence Agreement, the following defined terms have the following meanings:

Term	Associated Definition in the Affiliate License agreement
Affiliate	an affiliate of the Licensor in accordance with the Articles;
Articles	the Licensor's Articles of Association (vedtægter);

Cross-Map	a work consisting of (i) SNOMED CT Content and (ii) content of another nomenclature, classification or knowledge structure, together with a set of relationships between (i) and (ii);
Data Analysis System	a computer system that is used to analyse records or other data that is encoded using SNOMED CT, but not if that system is also a Data Creation System;
Data Creation System	a computer system that is used to create records or other data that is encoded using SNOMED CT;
Derivative	a work consisting of (a) SNOMED CT Content, from the SNOMED CT CORE or an Extension; together with (b) either (i) additional properties and/or information about such SNOMED CT content; and/or (ii) any set of relationships between that SNOMED CT Content and Content of other nomenclature, classification or knowledge structure, and includes a Cross-Map and a Sub-Set;
End User	a third party user of a Licensee Product;
Extension	A work consisting of SNOMED CT Content alone that is supplementary to the SNOMED CT Core and that depends on the SNOMED CT Core;
Intellectual Property Rights	patents, trade marks, service marks, copyright (including rights in computer software), moral rights, database rights, rights in designs, trade secrets, know-how and other intellectual property rights, in each case whether registered or unregistered and including applications for registration, and all rights or forms of protection having equivalent or similar effect in any jurisdiction;
Hospital	a health care facility consisting of multiple Practices and providing in-patient care;
International Release	the release produced and distributed by or on behalf of the Licensor, consisting of the SNOMED CT Core, the Specifications and the Licensor's Derivatives and other documents and software;
Licence Fees	the licence fees set out in Appendix B (Licence Fees in Non-Member Territories);
Licensee Products	products distributed or licensed by the Licensee that include the International Release (or any part of it) and/or any Extensions or Derivatives created by the Licensee under this Licence Agreement;
Member	a member of the Licensor;
Member Territory	a territory that is represented by a Member (as published by the Licensor from time to time);
Namespace Identifier	a code or that part of a code that identifies the organisation responsible for creating and maintaining a Standards-Based Extension or a Standards-Based Derivative and is used as an element of SNOMED CT Identifiers;
National Release	in respect of each Member, the release produced and distributed by the Member, consisting of the International Release, the Member's Extensions, the Member's Derivatives and other documents and software;
Non-Member Territory	a territory that is not a Member Territory;
Practice	a single department of a Hospital, or any health care facility that provides principally out-patient care, including without limitation a pharmacy, an optician's facility, a physiotherapy centre, a general medical practice or a family medical practice;
Qualifying Research Project	a discrete research project that meets all of the following criteria: (a) it is supported by a formal proposal that has been peer reviewed; (b) it has been ethically approved in accordance with the prevailing legislation, regulations and guidelines in effect in the relevant territory; (c) it is conducted within a definite timeframe; and (d) the results of the research are offered for publication in peer-reviewed public journals and are provided to the Licensor free of charge;
Regulations	regulations of the Licensor made in accordance with the Articles;
Relationship	a relationship, of a kind defined by the Licensor in Specifications, between concepts (which may be, without limitation, a hierarchical or an associative relationship) or between a concept and a description;
SNOMED CT	the concept-based work of clinical nomenclature and classification with multiple hierarchies and semantic definitions known as SNOMED Clinical Terms (SNOMED CT);
SNOMED CT	terminological content, consisting of concepts, descriptions and Relationships, each of which is identified using a SNOMED

Content	CT Identifier;
SNOMED CT Core	the SNOMED CT Content that is controlled, maintained and distributed by the Licensor from time to time;
SNOMED CT Identifier	a code, of a kind defined by the Licensor in Specifications, for identifying concepts, descriptions and Relationships;
Specification	specifications promulgated by the Licensor for products and processing relating to SNOMED CT, including specifications of the internal logic of SNOMED CT, editorial policies, guidelines and characteristics;
Sponsored Territory	a Non-Member Territory that has been recognised and designated by the Licensor as a sponsored territory (as published on the Licensor's web site);
Standard	a Specification that is formally adopted by the Licensor; and
Standards-Based	in respect of an Extension or a Derivative, an Extension or Derivative the creation of which is the subject of one or more Standards;
Sub-Set	a sub-set of SNOMED CT Content that is grouped together for one or more purposes.

Appendix B

Licence Fees in Non-Member Territories

1. Introduction

1.1 This Appendix B sets out the licence fees payable by the Licensee in respect of its activities in Non-Member Territories.

1.2 The licence fees set out in this Appendix B do not apply in respect of the Licensee's activities in any Non-Member Territory if that Non-Member Territory is a Sponsored Territory or was a Sponsored Territory at the time when the Licensee's activities in that Non-Member Territory were carried out.

1.3 The Licensor may, in its sole discretion, waive the Licensee's obligation to pay any or all of the licence fees set out in this Appendix B if the Licensor considers that the Licensee's activities in any Non-Member Territory are in support of charitable or humanitarian causes in that Non-Member Territory. Any waiver by the Licensor under this paragraph 1.3 may be revoked by the Licensor at any time, shall be without prejudice to any of the Licensor's other rights and remedies under this Licence Agreement and shall not relieve the Licensee of any of its other obligations under this Licence Agreement.

2. Data Creation Systems

2.1 The Licensee shall pay the following fees in respect of each hospital or Practice in a Non-Member Territory in or to which the Licensee:

(a) deploys the International Release or any Licensee Product that contains the International Release (or any part of it) in a Data Creation System, unless that Data Creation System is used exclusively in connection with a Qualifying Research Project; or

(b) distributes or licenses a Licensee Product that is or includes a Data Creation System, unless that Licensee Product is used exclusively in connection with a Qualifying Research Project.

Non-Member Territory (fee bands)	Associated License Fee
Hospital in Band A Territory	US\$ 1,500 per annum baseline fee adjusted as per paragraph 1.4
Hospital in Band B Territory	US\$ 1,000 per annum baseline fee adjusted as per paragraph 1.4
Hospital in Band C Territory	US\$ 500 per annum baseline fee adjusted as per paragraph 1.4
Practice in Band A, B or C Territory	US\$ 500 per annum baseline fee adjusted as per paragraph 1.4
Hospital or Practice in Low Income Band	US\$ 0 per annum baseline fee adjusted as per paragraph 1.4
Hospital or Practice in other	As per paragraph 6.2.

territory	
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2.2 The total fees payable by the Licensee in respect of a number of Practices in a single hospital shall not exceed the fee applicable to the hospital itself.

3. Data Analysis Systems

3.1 The Licensee shall pay the fees set out in paragraph 3.4 if the Licensee:

- (a) deploys the International Release or any Licensee Product that contains the International Release (or any part of it) in a Data Analysis System in a Non-Member Territory,unless that Data Analysis System is used exclusively in connection with a Qualifying Research Project; or
- (b) distributes or licenses a Licensee Product that is or includes a Data Analysis System in a Non-Member Territory, unless that Licensee Product is used exclusively in connection with a Qualifying Research Project.

3.2 The fees set out in paragraph 3.4 apply in respect of each deployment, distribution or licence of a Data Analysis System, and vary according to the Non-Member Territory in which the deployment, distribution or licensing takes place.

3.3 If any Data Analysis System to which the fees in paragraph 3.4 apply consists of more than one database, the fees applicable to that Data Analysis System shall be multiplied by the number of databases in that Data Analysis System.

3.4 The fees under this paragraph 3 are as follows:

Non-Member Territory (fee bands)	Associated License Fee
Band A Territory	US\$ 1,500 per annum baseline fee adjusted as per paragraph 1.4
Band B Territory	US\$ 1,000 per annum baseline fee adjusted as per paragraph 1.4
Band C Territory	US\$ 500 per annum baseline fee adjusted as per paragraph 1.4
Hospital or Practice in Low Income Band	US\$ 0 per annum baseline fee adjusted as per paragraph 1.4
Other territory	As per paragraph 5.2.

4. Other Activities

4.1 The Licensee shall notify the Licensor in writing before deploying the International Release or distributing or licensing Licensee Products (in each case, other than exclusively in connection with Qualifying Research Projects) in any Non-Member Territory in a manner that does not fall within paragraphs 2 to 4 of this Appendix B, explaining the Licensee's proposed activities.

4.2 Upon receiving notice from the Licensee under this paragraph 5, the Licensor may request, and the Licensee shall provide, such additional information in relation to the Licensee's proposed activities as the Licensor considers reasonably necessary to determine an appropriate licence and reasonable fee in respect of the Licensee's proposed activities.

4.3 The Licensee shall be liable to pay such licence fees as the Licensor may determine in accordance with this paragraph 5.

5. Non-Member Territory Bandings

5.1 The allocation of a Non-Member Territory into Band A, Band B or Band C shall be as determined by the Licensor (based on the Non-Member Territory's relative Gross National Income (GNI) or other measure adopted by the Licensor) and published by the Licensor on its web site.

5.2 The Licensee shall notify the Licensor in writing before carrying out any activity of a kind described in paragraphs 2 or 3 of this Appendix B in a Non-Member Territory that has not been allocated by the Licensor under paragraph 5.1. Upon receiving notice from the Licensee under this paragraph 5.2, the Licensor shall allocate the Non-Member Territory as described in paragraph 5.1.

