

Patient Information Unspecified Content (PIUC) Attachment Types

This file contains a list of Attachment types, with their respective LOINC codes and a brief description, including any known restrictions, for each attachment. This list should be used in conjunction with the HL7 specification titled:

**Additional Information Specification 0009:
Patient Information - Unspecified Content Attachment**
document number CDAR2AIS0009R010

The above is a product of the HL7 Attachments Work Group (also known as Attachments Special Interest Group, ASIG). The specification, and this list of attachment types, is available from a link on the main web page for the ASIG. See <http://www.HL7.org>

Please note that the source document (this document) is an Excel file; whereas normal distribution is via PDF (printable) copies of the Excel.

Sections in this document (section names are in page header)

Introduction - as you see here.

Assigned - current list of all attachment types, with LOINC codes, for use in the PIUC AIS.

Pending - new attachment types which do not yet have a LOINC assigned to them

Defined Attachments - quick guide to other specifications emerging from the ASIG

Instructions - internal notes for future editors/publishers of this file.

Revision History - brief publication history of this file.

Legal

- Copyright (C) 2008, Health Level Seven Inc. All Rights Reserved.

- LOINC codes and descriptions are copyrighted by the Regenstrief Institute and the LOINC Committee, to preserve the integrity of the LOINC encoding system. See <http://www.LOINC.org> for a full description of their copyright and terms-of-use policies.

--end of section--

	LOINC	Attachment Type Name	Definition and Restrictions
		Consents	
New	52027-0	Abortion Consent Attachment	This attachment provides additional information to support the billing of Abortion claims. Included is information to support state and federal requirements.
New	52028-8	Hysterectomy Consent Attachment	This attachment provides additional information to support the billing of Hysterectomy claims. Included is information to support state and federal requirements.
New	52029-6	Sterilization Consent Attachment	This attachment provides additional information to support the billing of Sterilization claims. Included is information to support state and federal requirements.
		Dental	
New	52040-3	Dental X-rays and Other Images (Not DICOM) Attachment	This attachment provides a way to convey a non-DICOM quality image of a dental x-ray or other images. This could be in various image formats such as TIFF, JPEG, etc.
		Durable Medical Equipment (DME)	
New	52041-1	Blood Glucose Monitors Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Blood Glucose Monitors.
New	52042-9	Continuous Positive Airway Pressure Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Continuous Positive Airway Pressure (CPAP).
New	52043-7	Enteral Nutrition Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Enteral Nutrition.
New	52044-5	External Infusion Pump Attachment	This attachment provides the additional information necessary to support billing or prior authorization of External Infusion Pumps.
New	52045-2	Gait Trainers Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Gait Trainers.
New	52046-0	Hospital Beds Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Hospital Beds.
New	52047-8	Immunosuppressive Drugs Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Immunosuppressive Drugs.
New	52048-6	Lymphedema Pumps Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Lymphedema Pumps.
New	52049-4	Manual Wheelchair Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Manual Wheelchairs.
New	52050-2	Motorized Wheelchair Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Motorized Wheelchairs.

	LOINC	Attachment Type Name	Definition and Restrictions
New	52051-0	Orthotics and Prosthetics Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Orthotics/Prosthetics.
New	52052-8	Osteogenesis Stimulators Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Osteogenesis Stimulators.
New	52053-6	Oxygen Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Oxygen.
New	52055-1	Power Operated Vehicles Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Power Operated Vehicles.
New	52063-5	Prescription for Durable Medical Equipment Attachment	This attachment provides an image of the DME prescription.
New	52056-9	Repair of Durable Medical Equipment Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Repair Services of DME objects.
New	52057-7	Seat Lift Mechanism Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Seat Lift Mechanisms.
New	52058-5	Seating Systems Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Seating Systems.
New	52059-3	Speech Generating Device Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Speech Generating Devices.
New	52060-1	Standers and Standing Frames Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Standers and Standing Frames.
New	52061-9	Support Surfaces Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Support Surfaces.
New	52062-7	Transcutaneous Electrical Neural Stimulation Attachment	This attachment provides the additional information necessary to support billing or prior authorization of TENS units.

	LOINC	Attachment Type Name	Definition and Restrictions
		Eligibility	
New	53247-3	Eligibility Acknowledgement Attachment	This attachment type is a scanned or other representation of the information that the Provider may cite to prove that s/he had first checked that the patient was eligible for coverage of services to be provided, or can otherwise presume ("presumptive eligibility") that the patient is covered for such services. Sometimes such eligibility is applied retroactively after services were provided ("retroactive eligibility"). For example, a scanned image copy of the piece of paper from the County Eligibility Office for Medicaid coverage, or a form containing questions/answers to determine whether a patient is presumed eligible for pregnancy services under Medicaid or other insurance plans.
New	52037-9	Member ID Card Copy Attachment	This attachment provides a means to send an image of the Member ID card.
New	52038-7	Subscriber Information including retroactive and presumptive eligibility Attachment	This attachment provides supplemental subscriber information used to support retroactive eligibility activity and to support presumptive eligibility. Presumptive eligibility is documentation submitted with a claim and provided by the servicing provider. This documentation asserts specific statements needed to justify that the patient meets eligibility requirements and is presumed eligible.
		Explanation of Benefits	
New	52030-4	Explanation of Benefits Attachment	This attachment provides additional information about health care payments. This can only be used for purposes other than HIPAA. It may be used for subrogation. Note: Cannot be used in conjunction with the 275 Additional Information to Support a Health Care Claim or Encounter
New	52031-2	Explanation of Benefits to Subscriber Attachment	This attachment provides additional information to the subscriber about health care payments.
		Home Health	
New	52035-3	Home Health Claims Attachment	This attachment provides additional information to support the billing of a Home Health claim. It includes the Home Health Treatment Plan and other relevant information to justify the services billed for Home Health Claims.
New	52036-1	Home Health Prior Authorization Attachment	This attachment provides additional information to support the request for Prior Authorization of Home Health services. It includes the Home Health Treatment Plan and other relevant information to justify the services planned for Home Health Treatment.

	LOINC	Attachment Type Name	Definition and Restrictions
		Letters/Reports/Etc.	
New	52032-0	Appeal Denial Letter Attachment	This attachment provides additional information to support the review/appeal of claim or prior authorization denials, payments, restrictions, and/or limitations. This could just be the image of a letter. This is from the provider to the payer.
New	52033-8	General Correspondence Attachment	This attachment allows the provider to send in general letters and correspondence to payers using the 275.
New	52034-6	Payer Letter Attachment	This attachment allows a payer to send correspondence/letters to other entities. This is used in conjunction with prior authorization only.
		Skilled Nursing Facility (SNF)	
New	52039-5	Skilled Nursing Facility Record Attachment	This attachment provides details of the Skilled Nursing Facility Record such as the MDS or OASIS records.
		Other	
New	53243-2	Advanced Beneficiary Notice Attachment	This attachment type is a scanned or other image copy of the form signed by a patient or guardian, to confirm that they have been informed that Medicare, or other insurance plan for that patient, does not cover the service to be provided.
New	52065-0	Automobile Liability Attachment	This attachment provides the additional information needed to support automobile liability claims.
New	53242-4	Charge Ticket or Encounter Form Attachment	This attachment type is a scanned or other image copy of the source documents which subsequently may be used to obtain information for charging or billing purposes. For example, the paper form given by the provider to the patient during an examination, which the patient takes to the front desk of the practice so that a clerk may perform scheduling, billing, or test ordering functions. Another example is the form given to the patient by a laboratory testing facility, for tests performed in the case that the ordering physician will subsequently be billing for the tests.
New	53245-7	Driver License Image Attachment	This attachment type consists of a scanned or other image of a person's license to drive a vehicle.
New	52071-8	Employee Assistance Program Attachment	This attachment provides the additional information needed to support the Employee Assistance Program.
New	52064-3	First Report of Injury Attachment	This attachment defines the data needed for the Worker's Compensation First Report of Injury.

	LOINC	Attachment Type Name	Definition and Restrictions
New	52072-6	Non-Emergency Transportation Attachment	This attachment provides the additional information needed to support the billing and prior authorization of non-emergency transportation services. Non-emergency transportation services can include, but is not limited to, taxis, vans, shuttles, etc.
New	53246-5	Non-Medical Services Attachment	This attachment type provides supplemental information needed to support claims for non-traditional non-medical services such as home repairs, electrical repairs, maid services, etc.
New	52066-8	Notice of Discharge Medicare Appeal Rights Form Attachment	This attachment provides the details from the NODMAR form.
New	53244-0	Notice of Privacy Practices Receipt Attachment	This attachment type is the "written acknowledgement of receipt" that a patient or guardian signs, indicating they have seen, or have had access to, the document describing an entity's information privacy practices. See, for example, the HIPAA Privacy rule at § 164.520(e).
New	52054-4	Parenteral Attachment	This attachment provides the additional information necessary to support billing or prior authorization of Parenteral Nutrition.
New	52067-6	Past Filing Limit Justification Attachment	This attachment provides the justification necessary to support the payment of claims past the prescribed health plan filing limit.
New	52068-4	Property and Casualty State Mandated Forms Attachment	This attachment supports the data needed on Property and Casualty State Mandated Forms.
New	52075-9	Purchase Invoice Attachment	This attachment provides the supplier's cost information for a specified item.
New	52069-2	Tax ID Number - IRS Form W9 Attachment	This attachment is used to convey IRS W9 ("Request for Taxpayer Identification Number and Certification") information. Note: Cannot be used in conjunction with the 278 Healthcare Services Review
New	52073-4	Vision Attachment	This attachment provides the additional information needed to support the billing and prior authorization of vision services.
New	52070-0	Workers Compensation Attachment	This attachment encompasses additional information needed to support worker's compensation claims.

LOINC	Attachment Type Name	Definition and Restrictions
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Status	Proposed Attachment Type Name	Definition and Restrictions	Internal Comments
	Skilled Nursing Facility (SNF)		
Hold	SNF (demand bills)	(need definition)	Hold (7/2008): Need a clear definition.
	Claim Copy Information		
Hold	Claim - Coordination of Benefits	(need definition)	Cannot be used in conjunction with the 275 Additional Information to Support a Health Care Claim or Encounter. Hold (7/2008): Inner conflict needs to be resolved: We should pull these for now and discuss again if brought again by the industry
Hold	Claim - Corrected	(need definition)	Cannot be used in conjunction with the 275 Additional Information to Support a Health Care Claim or Encounter or as a replacement claim for the 837 transaction. Hold (7/2008): Inner conflict needs to be resolved: We should pull these for now and discuss again if brought again by the industry
Hold	Claim - Information Only Copy	(need definition)	Cannot be used in conjunction with the 275 Additional Information to Support a Health Care Claim or Encounter Hold (7/2008): Inner conflict needs to be resolved: We should pull these for now and discuss again if brought again by the industry
Hold	Claim - Original (as submitted)	(need definition)	Cannot be used in conjunction with the 275 Additional Information to Support a Health Care Claim or Encounter Hold (7/2008): Inner conflict needs to be resolved: We should pull these for now and discuss again if brought again by the industry
	Other		
Hold	Beneficiary Waiver of Liability	(need definition)	Hold (7/2008): Need a clear definition.

Status	Proposed Attachment Type Name	Definition and Restrictions	Internal Comments
Hold	Care Plan Oversight (Notice of Admission, Hospice)	(need definition)	Hold (7/2008): Need a clear definition.
Hold	Children's Services Form(s)	(need definition)	Hold (7/2008): Need a clear definition.
Hold	ESRD Beneficiary Selection	(need definition)	Hold (7/2008): Need a clear definition.
Hold	Evaluation & Management Services	(need definition)	Hold (7/2008): Inner conflict needs to be resolved: This can be encompassed within the existing attachments. Off the table. Review with existing document and needs of industry.
Hold	Nutritional Orders	(need definition)	Hold (7/2008): Inner conflict needs to be resolved: This can be accommodated through clinical reports...research. This is also included in Home Health. Can this be done in Clinical ReportsAdd to clinical reports set?
Hold	OB-Gyn flow sheet	(need definition)	Hold (7/2008): Need a clear definition.
Hold	Progress /Peripheral Vascular Studies	(need definition)	Hold (7/2008): Inner conflict needs to be resolved: Is this part of clinical reports? Add to clinical reports set?
Hold	Provider Dispute Resolution Form	(need definition)	Hold (7/2008): Inner conflict needs to be resolved: Same as appeal letter above. (Ed.note: I think "above" means LOINC 52032-0 on the "Assigned" tab.)
Hold	Referrals	This attachment provides the necessary information needed when a patient is referred from one provider to another.	Hold (7/2008): Inner conflict needs to be resolved: Couldn't this information be accommodated within the existing attachment types. Shouldn't they send the appropriate medical info. Not use a general referral attachment type.
Hold	Translation of Medical Reports/Records	(need definition)	Hold (7/2008): Inner conflict needs to be resolved: Unsure if this is still needed; if yes, Need a clear definition.
Hold	Trauma Team Report	(need definition)	Hold (7/2008): Need a clear definition.

Status	Proposed Attachment Type Name	Definition and Restrictions	Internal Comments
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Status Legend:

- **Hold** - means we do not have enough information, or have some inner conflict to address, before this can be submitted to Regenstrief for LOINC assignment.
- **Pending** - means we have submitted a request to Regenstrief and are waiting for the LOINC assignment (which may be completed but we have not yet updated this document); interested parties should check with the HL7 ASIG co-chairs.

--end of section--

Defined Attachments

Since 1997, the HL7 Attachments Work Group (ASIG) has coordinated industry input and otherwise facilitated the negotiations regarding specific data content in a variety of attachments which satisfy multiple business "use cases". The current list of these attachment specifications follows.

Additional Information Specification (AIS) 0000 **Implementation Guide** (for use with all of the following)

AIS 0999 - **LOINC Modifier Codes** (for use with all AIS specifications)

AIS 0001 - **Ambulance Service**

AIS 0002 - **Emergency Department** (withdrawn as archaic; potential for future re-work)

AIS 0003 - **Rehabilitation Services**, which includes the following types of rehabilitation service:

- Alcohol-Substance Abuse
- Cardiac
- Medical Social Services
- Occupational Therapy
- Physical Therapy
- Psychiatric Therapy
- Respiratory Therapy
- Pulmonary Therapy
- Skilled Nursing
- Speech Therapy

AIS 0004 - **Clinical Reports**, includes (but is not limited to) the following types of clinical reports; see the full list in the RELMA utility, in the HIPAA\Clinical Reports pathway. RELMA is available from the Regenstrief Institute at www.LOINC.org

- Clinical notes and chart sections, care provider notes, etc.
- Non-Lab diagnostic studies, e.g., Cardiology, gastroenterology, Neuromuscular Electrophysiology,

Obstetrical, Pathology, Pulmonary, etc. Some of these are fairly general; however, the AIS 0004 has greater details for encoding the following:

- Cardiac Echo Study
- EKG Study
- OB Ultrasound Study
- Physician Hospital Discharge Summary
- Operative Note
- Provider History and Physical Note
- X-Ray Cervical Spine Study
- CT Head Study
- CT Extremity Study
- MRI Head Study
- Mammogram Screening Study
- Nuclear Medicine Bone Scan Study
- CT Guidance for Aspiration of Site Study
- Ultrasound Neck Study

AIS 0005 - **Laboratory Results**, includes the following test groupings; however, like the above, the implementer should refer to the RELMA utility to determine the full set of Laboratory results.

- Allergy Tests
- Blood Bank Tests
- Blood Gas Tests
- Cell Marker Tests
- Chemistry Tests
- Chemistry Challenge Studies
- Coagulation Tests

- Cytology Studies
- Fertility Tests
- Hematology Tests, with Cell counts
- HLA Tests
- Microbiology Tests
- Molecular Pathology Studies
- Serology Tests
- Pathology Reports, including Stains
- Toxicology and Therapeutic Drug Monitoring Tests
- Urinalysis Studies

AIS 0006 - **Medications**, which contains the following categories:

- Current Medications
- Discharge Medications
- Administered Medications

-- Note that the above, except for AIS 0002 (Emergency Department), are expected to be cited in the upcoming HIPAA Claims Attachments Final Rule; however, the attachments may be used for other (non-claims) purposes and need not wait for the regulatory process to drive implementation timelines.

AIS 0007 - **Children's Preventative Health Services** (CPHS); this was balloted in 2005, and is currently in the pipeline for upgrade to CDA R2, along with re-expression of the data content of the attachment.

AIS 0008 - **Home Health**, substantially crafted in 2001-03; needs a champion to help drive it through the ballot and publishing processes.

AIS 0009 - **Patient Information Unspecified Content** (PIUC), which by definition contains undefined content, and is intended to be used only with the Attachment Types shown in the "Assigned" section of this document.

AIS 0010 - **Drug Prior Authorization**; balloted in 2006, but "on hold" pending re-identification of industry needs for electronic prescribing attachments.

AIS 0011 - **Periodontal**; based upon ADA 1047, now in final stages of publishing

The HL7 Attachments Work Group expects to work on the following attachment types between now and 2011:

- Durable Medical Equipment (DME), at least 22 different types
- Consents, at least 3 types
- Home Health (referenced above as AIS 0008)
- Employee Assistance Plans (EAP)
- Vision
- Drug Prior Authorization (referenced above as AIS 0010)
- Workers' Compensation
- Children's Preventative Health Services (referenced above as AIS 0007)

--end of section--

Instructions

This document is updated periodically as requests for new attachment types come to the HL7 Attachments Work Group (ASIG), and when the Regenstrief Institute assigns a LOINC code for each attachment type. The "Assigned" section contains the final definition and LOINC code, while the "Pending" section contains draft definitions and other comments which may (or may not) have been submitted to Regenstrief for LOINC assignment.

This document is maintained as an Excel spreadsheet, and distributed as a PDF document showing the six sections (Introduction, Assigned, Pending, Defined Attachments, Instructions, and Revision History). See the home page of the HL7 Attachments Work Group for the most recent version of this document, here: <http://www.hl7.org/asig#publications>

As noted in the Introduction, this list of Attachment Types is supplemental to a separate implementation specification document (AIS 0009), which in turn is supplemental to an Implementation Guide (AIS 0000). Implementers of the attachment types in this spreadsheet/document should be familiar with the two base documents (AIS 0009 and 0000).

Process for Acquiring New LOINC Codes

This is not fully defined, but as of July 2008, it goes something like the following, where "facilitator" refers to the HL7 Attachments Work Group representative, i.e., the co-chair or other volunteer who is responsible for the ongoing support/maintenance of the Attachment Types list and interactions with the Regenstrief Institute/ LOINC Committee.

- (1)** An implementer has a need for a new attachment type, and contacts the HL7 Attachments work group (or the facilitator) with **at least** this information: **(a)** proposed name for the attachment type, **(b)** a clear description of what it is, with potential "use cases" where it is used in the real world, **(c)** submitter contact information; i.e., the person who can clarify any questions that come up during the LOINC assignment process.
- (2)** The facilitator takes the information from 1a/b/c (above) and updates the "Pending" worksheet tab in this file, making it as presentable as possible for the Regenstrief folks - and - does preliminary research to ensure that an attachment for the requested type has not already been defined.
- (3)** Depending upon priority of the request, the potential for more requests in the very near future, and the availability of the Regenstrief folks... The facilitator works with the Regenstrief person to get LOINC codes for all of the "Pending" requests which have enough information to have a LOINC code assigned.
- (4)** As LOINC codes are assigned, the facilitator notifies the original requestor (in 1c) with the assigned LOINC code and formal name/description of the attachment type - i.e., the same information which the facilitator will copy from the "Pending" to the "Assigned" worksheet page. Note that during the assignment process, the name or description may change slightly.

Instructions for Publishing or Distributing This File (internal, for HL7 facilitator)

Editor notes about the "Pending" Tab:

- Only request of the Regenstrief Institute, those items which have a clear description. Otherwise, the request is returned to us and there is some confusion all around.

Editor notes about the "Assigned" Tab:

- In column "A", the word "New" should be removed for all the line items which were previously published; i.e., "New" should appear only on those rows which are new for the current publishing cycle.

- There is a hidden column "C" between the LOINC code and the Attachment Type Name. During editing, you should "unhide" this column and populate it with the appropriate category when you add a new row containing a new attachment type name.

- For publishing, first sort the worksheet as: (a) contains header row, (b) the hidden "category" column, (c) the Attachment Type Name column

- Note, in the shaded rows containing category names, that the name begins with a single space character so that it sorts to the top line within each category.

Page header/footers: for this file, the Excel page header/footer information is identical for every tab:

- Header, center column only: &[File] -- &[Tab]

- Footer, center column only: &[Date] Page &[Page] of &[Pages]

Setup: Print output should be setup for standard "Letter" sized paper (8.5 x 11), in Portrait layout. Margins are set to 0.75 left/right, 1.00 top/bottom, with 0.5 header/footer.

Printing: To print the entire Excel file (e.g., to a PDF or directly to printer), first select all the worksheet tabs (i.e., select "Introduction" then, with the Shift key down, click on "RevisionHistory"). All the worksheet tabs should now be highlighted; click on the printer or print preview icon.

Caution: While editing any of the information in this file, ensure that multiple worksheet tabs are not selected; otherwise, e.g., a change to row 10 on the "Assigned" worksheet will create a similar change on all of the other selected worksheets.

File name: The name of this file, and of the equivalent PDF file, begins with "AIS0009-PIUC-Attachment-Types", and has a suffix which includes the publication date, e.g., "-2008-07-01". It is strongly suggested (by mike cassidy) to continue this pattern when future file distributions are made, to reduce confusion among all who may stumble across the file(s) in the future.

--end of section--

Revision History for this spreadsheet

Date	Summary of changes
Unknown	Unsure when the original spreadsheet was first constructed; probably around the time of the first ballot of the PIUC attachment, 9/2005; however, if it existed it was not published in a "final" form at that time. -mike cassidy
Dec-2007	Massive set of spreadsheets created by Penny Sanchez to convey all LOINC requests to Regenstrief for all of the then-known needs of the HL7 ASIG. This included many requests for new Rehab and Ambulance LOINC codes, as well as the set of PIUC requests (which themselves had varying levels of completeness in their descriptions). -mike cassidy
Mar-2008	First publication in this current (PIUC only) spreadsheet, in preparation for the May 2008 ballot of the PIUC specification using CDA R2. LOINC codes were assigned but not available at the time of the ballot. -mike cassidy
Jul-2008	First publication with the LOINC codes assigned in April/May 2008, and with separate tabs for the "assigned" vs. "pending" attachment types, along with the instructions and this revision history tab. 54 LOINC codes on the "assigned" tab are shown as "new", including a few which were requested in comments by voters during the ballot review period. Those 54 were cut/pasted into the AIS document itself, as a representative example; however, in future updates of this Excel/PDF spreadsheet, the new items will not be updated into the AIS document. -mike cassidy

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