





Discharge Abstract Database Open-Year Data Quality Test Specifications, 2015–2016



Our vision

Better data. Better decisions. Healthier Canadians.

Our mandate

To lead the development and maintenance of comprehensive and integrated health information that enables sound policy and effective health system management that improve health and health care.

Our values

Respect, Integrity, Collaboration, Excellence, Innovation

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Introduction

As part of the Canadian Institute for Health Information's (CIHI's) commitment to quality data, the Discharge Abstract Database (DAD) is routinely analyzed for data quality issues during the submission year and after database closure. Suspect findings are communicated back to the submitting facilities for investigation and correction while the database is still open for submission.

Purpose

This document was created to

- Accompany the Open-Year Data Quality (OYDQ) reports that will be sent at a later date to facilities to communicate suspect data quality issues for investigation and/or correction as applicable; and
- Help DAD clients create their own data quality audits to identify abstracts with suspected data quality issues.

This document lists the OYDQ tests performed on the DAD, along with their rule, selection criteria, the data elements used in the analysis and, for some tests, one correct example to demonstrate a correct case and the references. It is important to note that the correct example does not cover all possible correct examples.

CIHI client service representatives, ministry of health or regional representatives will send facilities the OYDQ reports containing the abstracts submitted to the DAD that are flagged for a specific data quality issue. Facilities are asked to review the charts of the abstracts with errors and to resubmit the correct abstracts, where applicable. Each OYDQ report sent to facilities will reference the OYDQ test number and title along with the abstract identification data elements, such as Chart Number, Fiscal Year, Fiscal Period, Batch Number, Abstract Number and Discharge Date. The abstract identification information will help facilities link the incorrect abstracts to the matching abstracts in their systems.

Note: The same abstract may be identified as having more than one data quality issue. For example, an abstract may be identified in the OYDQ test *Incorrect infant status of singleton within multiparous delivery episode (D1002-32)* and again in OYDQ test *Potential Extra Abstracts (D0103-18)*.

Updates

The DAD Open-Year Data Quality Test Specifications document is updated every fiscal year with new or deleted OYDQ tests. An OYDQ test may be deleted if new edits are created or if the data quality issue is no longer relevant. An OYDQ test may also be modified to reflect enhancements to the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Canada (ICD-10-CA), the Canadian Classification of Health Interventions (CCI) and/or to align with the most recent version of the Canadian Coding Standards for ICD-10-CA and CCI.

Open-Year Data Quality Tests: Summary and Rationale

The following table provides a brief summary of the DAD OYDQ tests for 2015-2016. In the rationale column, the table also highlights a number of key impacts of correcting these DQ issues.

OYDQ Test Number	OYDQ Test Title	Short Description	Rationale
D0103-18	Potential Extra Abstracts	One abstract recorded multiple times with the same values in several key fields used to match abstracts.	Recording one discharge multiple times impacts both the Resource Intensity Weight assignment and the rate of over-coverage.
D0112-23	Incomplete Linkage of Mothers and Babies by Chart Number and Maternal/Newborn Chart Number	Incorrect Chart Number or Maternal/ Newborn Chart Number recorded in mothers' or babies' abstracts.	Linking maternal and newborn abstracts are critical in the measurement of maternal/ newborn health outcomes.
			The Maternal/Newborn Chart Number is the only data element used to link mothers and their babies.
D0301-117	Mother's Health Care Number Recorded as Health Care Number on Out-of-Province Newborn's Abstracts	When available, the provincial/ territorial health care number (HCN) assigned to the newborn should be recorded.	High percentages of newborn abstracts with the mother's HCN recorded as HCN diminish the ability to link records of the newborn discharge and any subsequent discharges.
D0301-118	Mother's Health Care Number Recorded as Health Care Number on In-Province Newborn's Abstracts	When available, the provincial/ territorial health care number (HCN) assigned to the newborn should be recorded.	High percentages of newborn abstracts with the mother's HCN recorded as HCN diminish the ability to link records of the newborn discharge and any subsequent discharges.
D1002-27	Z51.5 Palliative Care Assigned Diagnosis Type 2 (Post-Admit Comorbidity) or 3 (Secondary Diagnosis)	Incorrect Diagnosis Typing for Palliative Care coding.	Impacts comorbidity factor in some MCCs if Palliative Care incorrectly captured as Diagnosis Type 2.
			Palliative care research is increasing, and this information is accordingly being increasingly used.
D1002-32	Incorrect Infant Status of Singleton Within a Multiparous Delivery Episode	The Diagnosis Code of Z38.— on a newborn's abstract indicates the plurality of birth (singleton, twin, triplet, etc), the same number of newborn abstracts should be linked to the mother's abstract.	Research on multiple birth outcomes is adversely affected by incorrect data.
D1113-35	Three or More Out of Hospital (OOH) Intervention Episodes in One Day	Recording the Intervention Episode Start Date multiple times for OOH interventions may result in erroneously increasing the number of OOH intervention episodes performed.	Impacts intervention event factor. Intervention count is used in Resource Intensity Weight assignment.

OYDQ Test	OVDO Took Tiklo	Short December	Patianala
Number D1102-44	OYDQ Test Title Diagnosis Code O75.701 (Vaginal Delivery Following Cesarean Section) With Cesarean Section Delivery Intervention Code 5.MD.60.^^ for Single Delivery	Short Description Mismatch of Diagnosis Code and Intervention Code.	Impacts CMG assignment, and birthing outcomes are frequently used in analysis.
D1102-116 MODIFIED	Mismatch between status attribute for 5.MD.60.^^ Cesarean Section and Diagnosis Codes O34.201 (Uterine scar due to previous caesarean section) and O66.401 (Failed trial of labour following caesarean section)	Intervention status attribute PA, PB or PC for 5.MD.60.^^ represents a primary caesarean section delivery is mismatched with a diagnoses indicating previous caesarean section	Impacts CMG assignment, and birthing outcomes are frequently used in analysis.
D1002-76 MODIFIED	Missing Repeat Cesarean Section Diagnosis Codes When 5.MD.60.^^ Recorded with Status Attribute (RA, RB or RC) Identifying Repeat Cesarean Section	When a cesarean section Intervention Code from rubric 5.MD.60.^^ is recorded with a Status Attribute (RA, RB, RC) that identifies a repeat c-section, a Diagnosis Code for repeat c-section (O34.201 or O66.401) should be recorded and the Diagnosis Type should be M or 1 (Pre-Admit Comorbidity).	Impacts CMG assignment. Accurate delivery codes are required for maternal/newborn outcome measures.
D1801-120 NEW	Mismatch Between Diagnosis Code or Caesarean Section Status Attribute Indicating a Previous Delivery and Number of Previous Deliveries Indicating No Previous delivery	Mismatch between no previous deliveries occurred and Diagnosis Code or Intervention Status Attribute Indicating Previous Cesarean Section.	Impacts important obstetrical indicators.
D1102-119	Repair Laceration of the Cervix, without a Corresponding Diagnosis Code for Cervical Laceration	Surgical repair of cervical laceration without a corresponding diagnosis code.	Impacts important patient safety indicator.
D1102-111	Repair High Vaginal Laceration without a Corresponding Diagnosis Code for High Vaginal Laceration	Surgical repair of high vaginal laceration without a corresponding diagnosis code.	Impacts important patient safety indicator.
D0703-50	Unknown Weight 0001 Recorded for Newborns and Neonates Less Than 29 Days	Weight is recorded as unknown for newborns & neonates less than 29 days.	Weight impacts the CMG assignment. A high percentage of abstracts with 0001 (Unknown) weight may indicate facility documentation issues.
D1002-52 MODIFIED	Post-Procedure Disorder Codes (see Appendix A) Recorded Without an External Cause Code	All post-procedural disorder codes require an external cause code (Y60–Y84 or V01–X59).	Volumes of this data quality issue are high. Post-procedural codes are used in reports which are provided to external clients.
D0402-64	Unknown Admission Time	Admission Time is unknown.	This field is important for episode building.
D0502-65	Unknown Discharge Time	Discharge Time is unknown.	This field is important for episode building.

OYDQ Test Number	OYDQ Test Title	Short Description	Rationale
D1002-69	Poisoning T Code (T36-T50) Without a Poisoning External Cause Code	When a poisoning T Diagnosis Code of (T36-T50) is assigned, the expected external cause code should represent a 'poisoning'.	Accurate data are required for analysis of poisoning data.
D1102-71	Incorrect Extent Attribute 0 (Not Applicable) with Invasive Ventilation CCI code	When an invasive ventilation CCI code is assigned the Extent Attributes should be either: CN (Continuous but less than 96 hours of invasive ventilation) or EX (Extended continuous of 96 hours (or more) of invasive ventilation).	Impacts Flagged Intervention factor used to adjust RIW/ELOS.
D1104-82	Incorrect Location Attribute 0 (Not Applicable) With Coronary Angiogram	The Intervention Code 3.IP.10.VX Xray, heart with coronary arteries of left heart structures using percutaneous transluminal arterial (retrograde) approach always has an arterial approach. The Location Attribute 0 (Not applicable) must not be recorded for coronary angiogram.	The Location Attribute is a new mandatory field for v2012 of CCI.
D1103-83	Status Attribute not Equal to DX (Diagnostic) With Coronary Angiogram	The Intervention Code 3.IP.10.VX Xray, heart with coronary arteries of left heart structures using percutaneous transluminal arterial (retrograde) approach should have a Status Attribute DX (Diagnostic) when the only intervention performed during the intervention episode is coronary angiogram 3.IP.10.VX and there is only one intervention episode.	The Status Attribute is a new mandatory field for v2012 of CCI. It is important to distinguish diagnostic coronary angiogram from other coronary angiograms.
D1103-85	Status Attribute UN (Unknown) With Hip Replacement	The Status Attribute UN (Unknown) should be rarely used for the implantation of hip or pelvis prosthesis as documentation should support whether the replacement is a primary replacement or revision.	Impacts CMG assignment. This information is used by CIHI to report on hip replacements.
D1105-86	Extent Attribute UN (Unknown) With Hip Replacement	The Extent Attribute UN (Unknown) should be used rarely for the implantation of hip prosthesis as the documentation will identify the components implanted.	Attributes are used by CIHI to report on hip replacements
D1103-88	Status Attribute UN (Unknown) With Knee Replacement	The Status Attribute UN (Unknown) should be used rarely for the implantation of knee as documentation should support whether it is a primary knee replacement or a revision.	Impacts CMG assignment. Status Attribute is used by CIHI to report on knee replacements.

OYDQ Test Number	OYDQ Test Title	Short Description	Rationale
D1002-96	Missing Asterisk Code With Diabetes Mellitus Code	The dagger/asterisk code convention is mandatory to follow.	May affect CMG assignment if Asterisk Code is significant type 6 and not captured. Diabetes is an area of national research.
D1101-97	Same Intervention Episode Start Date and Intervention Episode Start Time Recorded for Each Intervention Code	For episodes performed in Intervention Location 01 (Main operation room) or 08 (Cardiac catheter room) the Intervention Episode Start Date and Intervention Episode Start Time are mandatory and should be recorded only on the first Intervention Code performed in one episode.	Impacts intervention event factor, which influences RIW.
D1112-98	Anaesthetic Technique not Equal to 8 When Intervention Pre-Admit Flag Equal to Y	The Anaesthetic Technique should be recorded as 8 (No anaesthetic or pre-admission intervention) when the intervention is initiated prior to the current inpatient admission in the reporting institution (Intervention Pre-Admit Flag = Y) or when no anaesthetic was administered.	Results not included in OYDQ reports due to a new edit for 2015-2016.
D1618-99	Stroke Diagnosis Code Without Project 340 Field Recorded	When a stroke Diagnosis Code is recorded, the Project Number 340 should also be recorded.	Stroke is a high priority health initiative.
D1618-121 NEW	Missing, Invalid or Unknown Value for Fields 04 to 11 (Date and Time of Acute Thrombolysis Administration) When Project 340 Recorded and Field 03 (Administration of Acute Thrombolysis) is Y (Yes) or P (Yes, Prior)	When Project 340 is recorded, it is mandatory to complete Fields 04 to 11 (Date and Time of Acute Thrombolysis Administration). This field captures the specific date and time that a patient with acute ischaemic stroke received acute thrombolysis, for those who were administered this medication.	Stroke is a high priority health initiative.
D1618-103 MODIFIED	Not applicable, Unknown or Invalid Value for Field 12 (Prescription for Antithrombotic Medication at Discharge) When Project 340 Recorded for Ischaemic Stroke Diagnosis	When Project 340 is recorded, it is mandatory to complete Field 12 (Prescription for antithrombotic medication at discharge). This field captures whether patients with a diagnosis of ischaemic stroke received a prescription for antithrombotic medication at discharge.	Stroke is a high priority health initiative.
D1618-123 NEW	Invalid or Unknown Value for Fields 13 to 24 (Stroke Symptom Onset Date and Time) When Project 340 Recorded	When Project 340 is recorded, it is mandatory to complete Fields 13 to 24 (<i>Stroke Symptom Onset Date and Time</i>). This field captures the date and time that the patient first started to experience stroke symptoms, regardless of the location of the patient at the time of symptom onset.	Stroke is a high priority health initiative.

OYDQ Test Number	OYDQ Test Title	Short Description	Rationale
D1618-124 NEW	Stroke Symptom Onset Date and Time after Admission Date and Time When Project 340 Recorded	When Project 340 is recorded, Fields 13 to 20 (Stroke Symptom Onset Date and Time) must be a date/time earlier than the emergency department arrival or facility admission date and time.	Stroke is a high priority health initiative.

For more information, please contact CIHI at cad@cihi.ca.

Open-Year Data Quality Tests

1. Potential Extra Abstracts (D0103-18)

Selection Criteria	Abstracts where the values recorded in the below group of data elements are the same in more than one abstract.
Data Element	Province/Territory, Institution Number, Health Care Number, Birth Date, Gender, Postal Code, Admission Date, Admission Time, Discharge Date, Discharge Time, Most Responsible Diagnosis Code, Principal Intervention Code, Weight.

2. Incomplete Linkage of Mothers and Babies by Chart Number and Maternal/Newborn Chart Number (D0112-23)

Rule

The Maternal/Newborn Chart Number on the mother's record must be the same as the Chart Number recorded on her newborn's record. The Maternal/Newborn Chart Number on the newborn's record must be the same as the Chart Number recorded on his or her mother's record.

Selection Criteria	Diagnosis Code on mother's record is		
	Z37.0-, Z37.2-, Z37.3-, Z37.5-, Z37.6- or Z37.9- (delivery)		
	and		
	Most Responsible Diagnosis Code is not O02.– to O05.– (Pregnancy with abortive outcome)		
	and		
	One of the Interv	ention Codes is 5.M	D.50.^^ to 5.MD.60.^^ (delivery)
	Entry Code on ne	ewborn's record is N	(born within the reporting facility)
	and		
	Most Responsible and newborn.	e Diagnosis Code is	not P96.4 Termination of pregnancy, affecting fetus
	Mothers' abstracts where the Maternal/Newborn Chart Number is not the same as the Chart Number in the newborns' abstracts.		
	Newborns' abstracts where the Maternal/Newborn Chart Number is not the same as the Chart Number in the mother's abstracts.		
Data Elements	Maternal/Newborn Chart Number, Chart Number, Entry Code, Diagnosis Code, Diagnosis Type Code, Intervention Code		
Correct Case Example		Chart Number	Maternal/Newborn Chart Number
	Mother M00001 N00001		
	Newborn N00001 M00001		
	The Maternal/Newborn Chart Number on the mother's record is correctly recorded with newborn's Chart Number, and the Maternal/Newborn Chart Number on the newborn's record is correctly recorded with mother's Chart Number.		
Reference	DAD Abstracting Manual: Group 01—Submission Control Data Elements, Field 12—Maternal/ Newborn Chart Number.		

3. Mother's Health Care Number Recorded as Health Care Number on Out-of-Province Newborn's Abstracts (D0301-117)

Rule

When available, record the provincial/territorial health care number (HCN) assigned to the newborn.

New Brunswick, Alberta, Northwest Territories and Yukon:

- When the newborn's HCN is not available, record the mother's HCN.
- When the mother's HCN is not available, record 0 (HCN not available) for provincial/territorial residents or record 1 (not applicable) for out-of-province newborns.

Newfoundland and Labrador, PEI, Ontario, British Columbia, and Nunavut:

- The mother's health care number cannot be recorded as the health care number on the newborn's abstracts.
- When the newborn's HCN is not available, record 0 (HCN not available) for provincial/territorial residents or record 1 (not applicable) for out-of-province newborns.

Nova Scotia, Manitoba and Saskatchewan:

- The newborn's HCN must always be recorded for provincial/territorial residents.
- When the HCN for an out-of-province newborn is not available, record 1 (not applicable).

This test will be completed for all out-of-province newborns' abstracts with a valid HCN. A high percent of out-of-province newborn abstracts with the mother's HCN recorded as HCN may indicate a need to investigate practices around the capturing of out-of-province HCNs for newborns.

Please note that this test will only be included in the summary reports and only the results for facilities with greater than 0% of newborn abstracts with the mother's HCN recorded as HCN will be reported. Abstract identification information will not be provided for this test.

Selection Criteria	Inclusions:
	The abstracts of newborns where:
	Entry Code is equal N (born within the reporting facility), and
	Province/Territory Issuing HCN is not the same as the province/territory of the reporting facility, and
	HCN has a valid format, and
	Province/Territory Issuing HCN and HCN are equal to the Province/Territory Issuing HCN and HCN on a mother's abstract from the same reporting facility.
	The abstracts of mothers are used to identify newborns' abstracts with the mother's HCN recorded as HCN. The selection criteria for mothers' abstracts are:
	• One of the Diagnosis Codes is Z37.0–, Z37.2–, Z37.3–, Z37.5–, Z37.6– or Z37.9– (delivery), and
	Most Responsible Diagnosis Code is not O02.– to O05.– (abortive outcome), and
	One of the Intervention Codes is 5.MD.50.^^ to 5.MD.60.^^ (delivery).
	Exclusions:
	Newborn abstracts where Province/Territory Issuing Health Care Number is 99 (not applicable) or CA (Canada).
	2. Newborn abstracts where Entry Code is equal S (Stillborn).
	3. Newborn abstracts where Admission Category is equal R (Cadaveric Donor).
	4. Newborn abstracts where 0 or 1 is recorded as HCN or HCN has invalid format.
Data Elements	Province/Territory, HCN, Province/Territory Issuing HCN, Entry Code, Admission Category, Diagnosis Code, Intervention Code
Correct Case Example	When available, the provincial/territorial HCN assigned to the newborn is recorded. When the newborn's HCN is not available, record 1 (not applicable) for out-of-province newborn if the province/territory of the reporting facility is Newfoundland and Labrador, PEI, Nova Scotia, Ontario, Manitoba, Saskatchewan, British Columbia, and Nunavut.
Reference	DAD Abstracting Manual: Group 03—Patient/Client Demographics, Field 01—Health Care Number.

4. Mother's Health Care Number Recorded as Health Care Number on In-Province Newborn's Abstracts (D0301-118)

Rule

When available, record the provincial/territorial health care number (HCN) assigned to the newborn.

New Brunswick, Alberta, Northwest Territories and Yukon:

- When the newborn's HCN is not available, record the mother's HCN.
- When the mother's HCN is not available, record 0 (HCN not available) for provincial/territorial residents or record 1 (not applicable) for out-of-province newborns.

Newfoundland and Labrador, PEI, Ontario, British Columbia, and Nunavut:

- The mother's health care number cannot be recorded as the health care number on the newborn's abstracts.
- When the newborn's HCN is not available, record 0 (HCN not available) for provincial/territorial residents or record 1 (not applicable) for out-of-province newborns.

Nova Scotia, Manitoba and Saskatchewan:

- The newborn's HCN must always be recorded for provincial/territorial residents.
- When the HCN for an out-of-province newborn is not available, record 1 (not applicable).

This test will be completed for all in-province newborns' abstracts with a valid HCN. A high percent of in-province newborn abstracts with the mother's HCN recorded as HCN may indicate a need to investigate practices around the capturing of HCNs for newborns.

Please note that this test will only be included in the summary reports and only the results for facilities with greater than 0% of newborn abstracts with the mother's HCN recorded as HCN will be reported. Abstract identification information will not be provided for this test.

Selection Criteria	Inclusions:
	The abstracts of newborns where:
	Entry Code is equal N (born within the reporting facility), and
	Province/Territory Issuing HCN is the same as the province/territory of the reporting facility, and
	HCN has a valid format, and
	Province/Territory Issuing HCN and HCN are equal to the Province/Territory Issuing HCN and HCN on a mother's abstracts from the same reporting facility.
	The abstracts of mothers are used to identify newborns' abstracts with the mother's HCN recorded as HCN. The selection criteria for mothers' abstracts are:
	• One of the Diagnosis Codes is Z37.0–, Z37.2–, Z37.3–, Z37.5–, Z37.6– or Z37.9– (delivery), and
	Most Responsible Diagnosis Code is not O02.– to O05.– (abortive outcome), and
	One of the Intervention Codes is 5.MD.50.^^ to 5.MD.60.^^ (delivery).
	Exclusions:
	1. Newborn abstracts where Province/Territory Issuing Health Care Number is 99 (not applicable) or CA (Canada).
	2. Newborn abstracts where Entry Code is equal S (Stillborn).
	3. Newborn abstracts where Admission Category is equal R (Cadaveric Donor).4. Newborn abstracts where 0 or 1 is recorded as HCN or HCN has invalid format.
Data Elements	Province/Territory, HCN, Province/Territory Issuing HCN, Entry Code, Admission Category, Diagnosis Code, Intervention Code
Correct Case Example	When available, the provincial/territorial HCN assigned to the newborn is recorded. When the newborn's HCN is not available, record 0 (HCN not available) for in-province newborn if the province/territory of the reporting facility is Newfoundland and Labrador, PEI, Ontario, British Columbia, and Nunavut.
Reference	DAD Abstracting Manual: Group 03—Patient/Client Demographics, Field 01—Health Care Number.

5. Z51.5 Palliative Care Assigned Diagnosis Type 2 (Post-Admit Comorbidity) or 3 (Secondary Diagnosis) (D1002-27)

Rule

The Palliative Care coding standard states that Z51.5 *Palliative care* must not be assigned a Diagnosis Type 2 (*Post-admit comorbidity*) or 3 (*Secondary diagnosis*). Depending on the circumstances of the case, Z51.5 may be assigned Diagnosis Type M, 1, W, X or Y. For those facilities that do not capture service transfers (Diagnosis Types W, X and Y), the equivalent of a Service Transfer Diagnosis Type is Diagnosis Type 1.

Selection Criteria	Abstracts where Diagnosis Code Z51.5 is assigned Diagnosis Type 2 or 3.
Data Elements Diagnosis Code, Diagnosis Type	
Correct Case Example	Z51.5 (M) Palliative care;
	C18.9 (3) Malignant neoplasm colon, unspecified
Reference	Canadian Coding Standards: Palliative Care.

6. Incorrect Infant Status of Singleton Within a Multiparous Delivery Episode (D1002-32)

Rule

According to the Canadian Coding Standards, every newborn record must include a code from Z38.— *Liveborn infants according to place of birth* to indicate the plurality of birth:

- A live-born singleton is assigned a code from Z38.0– to Z38.2–.
- Live-born twins, triplets or other multiple births are assigned a code from Z38.3– to Z38.8–.

A multiple birth newborn record must not have a code from Z38.0– to Z38.2– (singleton) recorded.

Most multiple births are delivered on the same date; however, some multiple births can occur on different dates. The codes Z38.3– to Z38.8– describe the plurality of the pregnancy and apply even when the births occur on different days or at different locations and/or when one or more of the babies are stillborn.

This analysis focuses on multiple births delivered on the same date. Clients may also perform analyses on different delivery dates, different delivery locations and where one or more newborns are stillborn.

Selection Criteria	Newborn abstracts with Diagnosis Code Z38.0– to Z38.2– (exclude P96.4 <i>Termination of pregnancy</i> as Most Responsible Diagnosis) and more than one Maternal/Newborn Chart Number recorded with the same admission date.
Data Elements	Entry Code, Chart Number, Maternal/Newborn Chart Number, Admission Date, Diagnosis Code
Correct Case Example	Mother Chart Number: 8866766 Baby A: Admission Date: 2013/11/01 Entry Code: N Chart Number: 123455 Maternal/Newborn Chart Number: 8866766 Z38.300 Twin, born in hospital, delivered vaginally, product of both spontaneous (NOS) ovulation and conception. Baby B:
	Admission Date: 2013/11/01 Entry Code: N Chart Number: 123456 Maternal/Newborn Chart Number: 8866766 Z38.310 Twin, born in hospital, delivered by cesarean, product of both spontaneous (NOS) ovulation and conception
Reference	Canadian Coding Standards: Diagnosis Typing Definitions for DAD.

7. Three or More OOH Intervention Episodes in One Day (D1113-35)

Rule

According to the guideline provided in the *DAD Abstracting Manual*, an intervention episode represents a patient's visit to a physical location where one or more interventions may take place. When more than one CCI code is required to capture the interventions performed in a single intervention episode, the Intervention Episode Start Date will be recorded once on the first line of the abstract. Every time an Intervention Episode Start Date is recorded on the abstract, a new Intervention Episode is derived.

The Out-of-Hospital (OOH) Indicator field indicates that an intervention episode was performed in the ambulatory care area of another facility during the current inpatient stay in the reporting facility.

This data quality test identifies abstracts with potential errors of over-recording Intervention Episode Start Date for multiple OOH interventions in a single episode.

Selection Criteria	Abstracts where the OOH Indicator is Y, the same Intervention Episode Start Date is recorded and there are three or more Intervention Episode derived in the abstract.
Data Elements	OOH Indicator, Intervention Episode Start Date, Intervention Episode
Correct Case Example	Only one Intervention Episode Start Date is recorded for OOH interventions performed in a single intervention episode.
Reference	DAD Abstracting Manual: Group 11—Interventions.

8. Diagnosis Code O75.701 (*Vaginal Delivery Following Caesarean Section*) With Caesarean Section Delivery Intervention Code 5.MD.60.^^ for Single Delivery (D1102-44)

Rule

For a single delivery case, the Diagnosis Code O75.701 (Vaginal delivery following previous caesarean section, delivered, with or without mention of antepartum condition) must not be recorded with a caesarean section delivery Intervention Code from 5.MD.60.^^ because the Diagnosis Code and Intervention Code contradict one another. That is, O75.701 represents a vaginal delivery following a previous cesarean section (VBAC), so the expected intervention is a code from 5.MD.50.^^ to 5.MD.56.^^ (vaginal delivery) UNLESS the error is with incorrect selection of the Diagnosis Code.

Selection Criteria	Single delivery record (Z37.0– Single live birth or Z37.1– Single stillbirth) where Diagnosis Code O75.701 is recorded with an Intervention Code from rubric 5.MD.60.^^ Cesarean section delivery.
Data Elements	Diagnosis Code, Intervention Code
Correct Case Example	O75.701 (M) Vaginal delivery following previous caesarean section. delivered, with or without mention of antepartum condition
	Z37.000 (3) Single live birth, pregnancy resulting from both spontaneous ovulation and conception
	5.MD.50.AA Manually assisted vaginal delivery (vertex), without episiotomy
Reference	Canadian Coding Standards: Delivery With History of Previous Cesarean Section.

9. Mismatch Between Status Attribute Assigned for 5.MD.60.^^ (Cesarean Section) and Diagnosis Codes O34.201 (Uterine scar due to previous caesarean section) and O66.401 (Failed trial of labour following caesarean section) (D1102-116)

Rule

For a primary caesarean section delivery case, the Intervention Code from 5.MD.60.^^ (Cesarean section delivery) with a Status Attribute of PA (Primary, Indicated, Planned), PB (Primary, Indicated, Emergent) or PC (Primary, Not Indicated, Planned) must not be recorded with a Diagnosis Code of O34.201 (Uterine scar due to previous Caesarean section, delivered, with or without mention of antepartum condition) or O66.401 (Failed trial of labour following previous caesarean, delivered, with or without mention of antepartum condition) because the Diagnosis Code and Status Attribute selected contradict one another. Intervention Status Attribute PA, PB and PC represent a primary caesarean section delivery (i.e. mom has not had a previous caesarean section); therefore, either the Diagnosis Code or the Intervention Status Attribute is incorrect.

Selection Criteria	Abstracts where an Intervention Code 5.MD.60.^^ is recorded with a Status Attribute of PA, PB or PC and the Diagnosis Code O34.201 or O66.401 .
Data Elements	Intervention Code, Status Attribute, Diagnosis Code
Correct Case Example	5.MD.60.AA Cesarean section delivery, lower segment transverse incision, without instrumentation
	Status Attribute: PC (Primary, Not Indicated, Planned)
	AND
	O65.401 Obstructed labour due to fetopelvic disproporation, unspecified, delivered, with or without mention of antepartum condition.
Reference	Canadian Coding Standards: Delivery With History of Previous Cesarean Section.
	Self Study Product: Obstetrical Coding – Moving Beyond the Basics, Module 8: Cesarean Section.
	CCI: Status attribute Note at rubric 5.MD.60.^^.

10. Missing Repeat Cesarean Section Diagnosis Code When 5.MD.60.^^ Recorded With Status Attribute (RA, RB or RC) Identifying Repeat Cesarean Section (D1002-76)

Rule

When Intervention Code 5.MD.60.^^ (Cesarean section delivery) is recorded with a Status Attribute RA (Repeat, Indicated, Planned) or RB (Repeat, Indicated, Emergent) or RC (Repeat, Not indicated, Planned) then, a Diagnosis Code for repeat cesarean section O34.201 (Uterine scar due to previous caesarean section, delivered, with or without mention of antepartum condition) or O66.401 (Failed trial of labour following previous caesarean, delivered, with or without mention of antepartum condition) is mandatory to assign as a Diagnosis Type of M or 1.

Selection Criteria	Abstracts where Intervention Code from rubric 5.MD.60. ^{^^} is recorded with a Status Attribute of RA, RB, or RC and the Diagnosis Code O34.201 or O66.401 with a significant diagnosis type M or 1 is not assigned.
Data Element	Intervention Code, Status Attribute, Diagnosis Code, Diagnosis Type
Correct Case Examples	5.MD.60.AA Cesarean section delivery, lower segment transverse incision, without instrumentation
	Status Attribute: RA (Repeat, Indicated, Planned)
	AND
	O34.201 Uterine scar due to previous caesarean section, delivered with or without mention of antepartum condition
References	Canadian Coding Standards: Delivery With History of Previous Cesarean Section. Education: Moving Forward using v2015 of ICD-10-CA and CCI – Cesarean Section Status Attribute

11. Mismatch Between Diagnosis Code or Caesarean Section Status Attribute Indicating a Previous Delivery and Number of Previous Deliveries Indicating No Previous delivery (D1801-120)

Rule

When the Diagnosis Code O75.701 (Vaginal Delivery Following Caesarean Section), or O34.201 (Uterine scar due to previous caesarean section), or O66.401 (Failed trial of labour following caesarean section), or Intervention Code 5.MD.60.^^ (Caesarean section delivery) with a Status Attribute RA (Repeat, Indicated, Planned), RB (Repeat, Indicated, Emergent) or RC (Repeat, Not indicated, Planned) is assigned on an abstract, the Number of Previous Term Deliveries and Number of Previous Pre-Term Deliveries must not be 00.

Important: The limitation with this test is that it can only look at Cesarean Section deliveries. There is no way to create any logic to apply to a vaginal delivery.

Selection Criteria	Abstracts where Diagnosis Code O75.701, or O34.201 or O66.401 or Intervention Code 5.MD.60.^^ with a Status Attribute of RA, RB, or RC is assigned and the Number of Previous Term Deliveries or Number of Preterm Deliveries recorded is 00.
Data Element	Number of Previous Term Deliveries, Number of Previous Pre-Term Deliveries, Diagnosis Code, Intervention Code, Status Attribute
Correct Case	Diagnosis code that is not O75.701 or O34.201 or O66.401
Examples	AND
	Number of Previous Pre-Term Deliveries 00
	AND
	Number of Previous Term Deliveries 00
	AND
	5.MD.60.AA Cesarean section delivery, lower segment transverse incision, without instrumentation
	Status Attribute: PB (Primary, Indicated, Emergent)
References	DAD Abstracting Manual: Group 18—Reproductive Care

12. Repair Laceration of the Cervix, without a Corresponding Diagnosis Code for Cervical Laceration (D1102-119)

Rule

For obstetrics delivered or obstetric postpartum episodes of care, the Intervention Code 5.PC.80.*JJ* Surgical repair postpartum of current obstetric laceration of cervix occurring at vaginal delivery must have a corresponding Diagnosis Code of O71.301 or O71.304 recorded on the same abstract.

Note: A chart review must be completed to identify if the error is due to:

- The intervention code is assigned correctly and the diagnosis code is missing OR
- The intervention code is assigned incorrectly

Selection Criteria	Intervention Code 5.PC.80.JJ Surgical repair postpartum of current obstetric laceration of cervix occurring at vaginal delivery without Diagnosis Code O71.301 or O71.304 Obstetric laceration of cervix
	or
	Intervention Code 5.PC.80.JK Surgical repair postpartum of current obstetric laceration of cervix occurring at Cesarean section or during surgical termination of pregnancy is recorded without Diagnosis Code O71.301 or O71.304 Obstetric laceration of cervix
	Exclude abortion abstracts with a diagnosis code from O08.6–
Data Elements	Intervention Code, Diagnosis Code
Correct Case Example	5.PC.80.JJ Surgical repair, postpartum of current obstetric laceration of cervix occurring at vaginal delivery
	AND
	O71.301 OR O71.304 Obstetric laceration of cervix

13. Repair High Vaginal Laceration without a Corresponding Diagnosis Code for High Vaginal Laceration (D1102-111)

Rule

For obstetrics delivered or obstetric postpartum episodes of care, the Intervention Code 5.PC.80.JU *Surgical repair, postpartum, of current obstetric high vaginal laceration* must have a corresponding Diagnosis Code of O71.401 or O71.404 recorded on the same abstract.

Note: A chart review must be completed to identify if the error is due to:

- The intervention code is assigned correctly and the diagnosis code is missing OR
- The intervention code is assigned incorrectly

Selection Criteria	Intervention Code 5.PC.80.JU Surgical repair, postpartum, of current obstetric high vaginal laceration is recorded without Diagnosis Code O71.401 or O71.404 Obstetric high vaginal laceration
	Exclude abortion abstracts with a diagnosis code from O08.6–
Data Elements	Intervention Code, Diagnosis Code
Correct Case Example	5.PC.80.JU Surgical repair, postpartum, of current obstetric high vaginal laceration
	AND
	O71.401 Obstetric high vaginal laceration, delivered, with or without mention of antepartum condition

14. Unknown Weight 0001 Recorded for Newborns and Neonates Less Than 29 Days (D0703-50)

Rule

For newborns and neonates less than 29 days the weight must be recorded.

Selection Criteria	The abstracts of newborns and neonates where:
	Age Code = (D or B) and
	Age Unit = 0-28 and
	Weight = 0001 and
	Entry Code is not equal S (Stillbirth)
Data Element	Entry Code, Age Code, Age Unit, Weight

15. Post-Procedural Disorder Codes Recorded Without an External Cause Code (D1002-52)

Rule

All post-procedural disorder codes (see Appendix A) require an external cause code (Y60–Y84 or V01–X59).

Selection Criteria	Abstracts with a post-procedural disorder Diagnosis Code (see Appendix A) AND without an External Cause Code (Y60–Y84 or V01–X59).
Data Element	Diagnosis Code
Correct Case Example	Example 1:
	K91.42 (M) Malfunction of colostomy stoma, not elsewhere classified [Diagnosis Cluster A]
	Y83.3 (9) Surgical operation with formation of external stoma as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure [Diagnosis Cluster A]
References	Canadian Coding Standards: Post-Intervention Conditions; Self-Learning Product: Classifying Post-Intervention Conditions: ICD-10-CA Code Assignment.

16. Unknown Admission Time (D0402-64)

Selection Criteria	Abstracts where Admission Time = 9999.
Data Element	Admission Time

17. Unknown Discharge Time (D0502-65)

Selection Criteria	Abstracts where Discharge Time = 9999.
Data Element	Discharge Time

18. Poisoning T Code (T36-T50) Without a Poisoning External Cause Code (D1002-69)

Rule

When a poisoning T code of T36 - T50 is assigned, the expected external cause code should represent a "poisoning."

Selection Criteria	Abstracts with T36-T50 Diagnosis Code without a corresponding poisoning external cause code of either: X40, X41, X42, X43, X44, X60, X61, X62, X63, X64, X85, Y10, Y11, Y12, Y13, Y14.
Data Element	Diagnosis Code
Correct Case Example	T42.4 Poisoning by benzodiazepines
	X41 Accidental poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified
References	ICD-10-CA Table of Drugs.
	Tip for Coders: How to Select the External Cause Code in the table of Drugs and Chemicals.

19. Incorrect Extent Attribute 0 (*Not Applicable*) with Invasive Ventilation CCI Code (D1102-71)

Rule

Invasive ventilation is identified by codes:

- 1.GZ.31.CA-^^ Ventilation, respiratory system NEC, invasive per orifice approach by endotracheal tube
- 1.GZ.31.CR-ND Ventilation, respiratory system NEC, invasive per orifice with incision approach for intubation for intubation through tracheostomy, positive pressure (e.g. CPAP, BIPAP), or
- 1.GZ.31.GP-ND Ventilation, respiratory system NEC, invasive percutaneous transluminal approach (e.g. transtracheal jet) through needle, positive pressure (e.g. CPAP, BIPAP)

The mandatory extent attribute exists to capture the number of hours (duration) of continuous invasive ventilation during a hospitalization.

The Extent Attribute values of CN (Continuous but less than 96 hours of invasive ventilation) or EX (Extended continuous of 96 hours (or more) of invasive ventilation) are applicable with the "invasive" ventilation codes.

The Extent Attribute value of 0 (Not applicable-use only for non-invasive ventilation) is assigned with the non-invasive ventilation codes (1.GZ.31.CB-^^ or 1.GZ.31.JA-^^).

Selection Criteria	Abstracts where one of Intervention Codes 1.GZ.31.CA-ND, 1.GZ.31.CA-EP, 1.GZ.31.CA-PK, 1.GZ.31.CR-ND, or 1.GZ.31.GP-ND is recorded and the Extent Attribute is 0.
Data Element	Intervention Code, Extent Attribute
Correct Case Example	1.GZ.31.CA-ND Ventilation, respiratory system NEC, invasive per orifice approach by endotracheal intubation, positive pressure (e.g. CPAP, BIPAP)
	Extent: CN Continuous but less than 96 hours of invasive ventilation
References	Canadian Coding Standards: Invasive Ventilation. Tip for Coders: Extent Attribute at 1.GZ.31.^^ Ventilation, respiratory system NEC.

20. Incorrect Location Attribute 0 (*Not Applicable*) With Coronary Angiogram (D1104-82)

Rule

The Location Attribute 0 (*Not applicable*) [i.e. venous approach] must not be assigned with the code 3.IP.10.VX (*Xray, heart with coronary arteries, of left heart structures using percutaneous transluminal arterial (retrograde) approach) because coronary angiography is always performed via an arterial access and as such the Location Attribute must represent the arterial access.*

Selection Criteria	Abstracts where Intervention Code 3.IP.10.VX is recorded and the Location Attribute is 0.
Data Element	Intervention Code, Location Attribute
Correct Case Examples	3.IP.10.VX Xray, heart with coronary arteries, of left heart structures using percutaneous transluminal arterial (retrograde) approach
	Location Attribute: FY (Femoral artery (left) (right))
References	Education: Staying on Track with Cardiac Interventions

21. Status Attribute Not Equal to DX (*Diagnostic*) With Coronary Angiogram (D1103-83)

Rule

The code 3.IP.10.VX *Xray, heart with coronary arteries of left heart structures using percutaneous transluminal arterial (retrograde) approach* must have a Status Attribute of DX (*Diagnostic*) when the only intervention performed during the intervention episode is coronary angiogram 3.IP.10.VX and there is only one intervention recorded in the intervention episode.

Selection Criteria	Abstracts where there is only one Intervention Code recorded in the intervention episode, the Intervention Code is 3.IP.10.VX and the Status Attribute is not equal to DX.
Data Element	Intervention Code, Intervention Episode, Status Attribute
Correct Case Examples	3.IP.10.VX Xray, heart with coronary arteries, of left heart structures using percutaneous transluminal arterial (retrograde) approach
	Status Attribute: DX (Diagnostic)
References	Education: Staying on Track with Cardiac Interventions

22. Status Attribute UN (Unknown) With Hip Replacement (D1103-85)

Rule

The Status Attribute UN (*Unknown*) should be rarely used for the rubric 1.VA.53.^^ *Implantation of internal device, hip joint* or 1.SQ.53.^^ *Implantation of internal device, pelvis* as the documentation should state whether the implantation was a primary implantation (P) or revision (R).

A primary insertion is the first insertion of prosthesis component(s) within the joint, whereas, a revision is replacement of previous prosthesis component(s) within the joint.

Selection Criteria	Abstracts where the Intervention Code from rubric 1.VA.53.^^ or 1.SQ.53.^^ is recorded with the Status Attribute of UN.
Data Element	Intervention Code, Status Attribute
•	1.VA.53.LA-PN-N Implantation of internal device, hip joint, dual component prosthetic device [femoral with acetabular] using synthetic material (e.g. bone paste, cement, Dynagraft, Osteoset)
	Status Attribute: P (Primary (first insertion of prosthesis component(s) within the joint))

23. Extent Attribute UN (Unknown) With Hip Replacement (D1105-86)

Rule

The Extent Attribute UN (*Unknown*) should be used rarely as the documentation will identify the component used with a hip replacement procedure 1.VA.53.^{^^} *Implantation of internal device, hip joint*.

Selection Criteria	Abstracts where the Intervention Code from rubric 1.VA.53.^^ is recorded with the Extent Attribute UN.
Data Element	Intervention Code, Extent Attribute
Correct Case Examples	1.VA.53.LA-PN-N Implantation of internal device, hip joint, dual component prosthetic device [femoral with acetabular] using synthetic material (e.g. bone paste, cement, Dynagraft, Osteoset)
	Extent Attribute: FH (Modular (two or more interlocking pieces) stem with exchangeable ball, or stem with modular neck and exchangeable ball (Includes: Femoral component NOS))

24. Status Attribute UN *(Unknown)* With Knee Replacements (D1103-88)

Rule

The Status Attribute UN (*Unknown*) should be used rarely for the rubric 1.VG.53.^{^^} *Implantation of internal device, knee joint*, as the documentation should state whether the implantation was a primary implantation (P) or revision (R).

A primary insertion is the first insertion of prosthesis component(s) within the joint, whereas, a revision is replacement of previous prosthesis component(s) within the joint.

Selection Criteria	Abstracts where the Intervention Code from rubric 1.VG.53.^^ is recorded with the Status Attribute UN.
Data Element	Intervention Code, Status Attribute
Correct Case Examples	1.VG.53.LA-PN-A Implantation of internal device, knee joint, dual component prosthetic device, with bone autograft
	Status Attribute: P (Primary (first insertion of prosthesis component(s) within the joint))
References	Education: Knee Joint Replacement e-learning.

25. Missing Asterisk Code With Diabetes Mellitus Code (D1002-96)

Rule

The dagger/asterisk coding convention is a World Health Organization (WHO) convention and is mandatory to assign both the dagger and asterisk codes, as applicable. When the following associated complications of diabetes mellitus codes are assigned, it is mandatory to assign the corresponding asterisk code:

- Nephropathy—E1-.20† or E1-.23† mandatory to assign asterisk code N08.3–*
- Ophthalmic—E1-.30†, E1-.31†, E1-.32†, E1-.33† mandatory to assign asterisk code H36.0*
- Mononeuropathy—E1-.40† mandatory to assign either asterisk code G73.0* or G59.0*, as applicable
- Polyneuropathy—E1-.41† mandatory to assign asterisk code G63.2*
- Autonomic neuropathy—E1-.42† mandatory to assign asterisk code G99.0*
- Circulatory complications—E1-.50† and E1-.51† mandatory to assign asterisk code I79.2*

Selection Criteria	Diabetes mellitus nephropathy: Identify cases that have E120 or E123. The incorrect cases will be missing N08.3–
	Diabetes mellitus ophthalmic complications: Identify cases that have E130, E131, E132 or E133. The incorrect cases will be missing H36.0
	Diabetes mellitus mononeuropathy: Identify cases with E140. Incorrect cases will be missing either G73.0 OR G59.0
	Diabetes mellitus polyneuropathy: Identify cases with E141. Incorrect cases will be missing G63.2
	Diabetes mellitus autonomic neuropathy: Identify cases with E142. Incorrect cases will be missing G99.0
	Diabetes mellitus circulatory complications: Identify cases that have E150 or E151. Incorrect cases will be missing I79.2
Data Element	Diagnosis Code
Correct Case Examples	E11.23 Type 2 diabetes mellitus with established or advanced kidney disease N08.35 Glomerular disorder in diabetes mellitus, chronic kidney disease, stage 5
References	Canadian Coding Standards: Dagger/Asterisk Convention.

26. Same Intervention Episode Start Date and Intervention Episode Start Time Recorded for Each Intervention Code (D1101-97)

Rule

For episodes performed in Intervention Location 01 (*Main operation room*) or 08 (*Cardiac catheter room*) the Intervention Episode Start Date and Intervention Episode Start Time are mandatory and should be recorded only for the first Intervention Code performed in the episode. Every time when an Intervention Episode Start Date and Intervention Episode Start Time is recorded in the abstract, a new Intervention Episode is derived.

Selection Criteria	Abstracts where Intervention Location is 01 or 08, the same Intervention Episode Start Date and Intervention Episode Start Time is recorded and there is more than one Intervention Episode derived in the abstract.
Data Element	Intervention Location, Intervention Episode Start Date, Intervention Episode Start Time, Intervention Episode
References	DAD Abstracting Manual: Group 11—Interventions.

27. Anaesthetic Technique not Equal to 8 When Intervention Pre-Admit Flag Equal to Y (D1112-98)

Rule

The Anaesthetic Technique should be recorded as 8 (*No anaesthetic or pre-admission intervention*) when the intervention is initiated prior to the current inpatient admission in the reporting institution (Intervention Pre-Admit Flag equal Y) or when no anaesthetic was administered.

Selection Criteria	Abstracts where Intervention Pre-Admit Flag equal to Y and the Anaesthetic Technique not equal to 8 or blank.
Data Element	Intervention Pre-Admit Flag, Anaesthetic Technique
References	DAD Abstracting Manual: Group 11 – Interventions.

28. Stroke Diagnosis Code Without Project 340 Field Recorded (D1618-99)

Rule

Project Number 340 is mandatory in Manitoba, Newfoundland & Labrador, Nova Scotia and Ontario. This test will only be completed for these jurisdictions.

Project 340 is expected to be completed for all new acute ischemic stroke, hemorrhagic stroke and transient ischemic attack cases. This encompasses cases with at least one of the following Diagnosis Codes assigned as a Diagnosis Type M, 1, W, X or Y. This special Project should be completed for all confirmed cases of stroke and cases with a diagnosis of "query" stroke.

- 160.- Subarachnoid haemorrhage (excluding 160.8- Other subarachnoid haemorrhage);
- 161.- Intracerebral haemorrhage;
- 163.- Cerebral infarction (**excluding** 163.6 Cerebral infarction due to cerebral venous thrombosis, nonpyogenic);
- 164 Stroke, not specified as haemorrhage or infarction;
- 167.6 Nonpyogenic thrombosis of intracranial venous system;
- H34.0 Transient retinal artery occlusion;
- H34.1 Central retinal artery occlusion;
- G45.- Transient cerebral ischaemic attacks and related syndromes; (excluding G45.4 *Transient global amnesia*).

Includes cases where the stroke is secondary to a complication of pregnancy (O99.4, O88.-).

Note: There may be cases flagged with this test that do not require completion of project 340. Refer to the DAD manual for complete data collection instructions.

Selection Criteria	Abstracts from MB, NL, NS or ON where Project Number 340 is not completed when a Diagnosis Code for ischemic stroke, hemorrhagic stroke or transient ischemic attack (see code list above) is recorded as Diagnosis Type M, 1, W, X, or Y.
	Excluded from this test:
	1. Abstracts where a Diagnosis Code for ischemic stroke, hemorrhagic stroke or transient ischemic attack is assigned Diagnosis Type M and the same code is repeated as a Diagnosis Type 2.
	2. Abstracts where a Diagnosis Code for ischemic stroke, hemorrhagic stroke or transient ischemic attack appears on the same abstract as a Diagnosis Code indicating:
	a poisoning (T36.0 to T50.9); or
	 brain neoplasm (C71, C79.3, D33.0 - D33.2, D43.0 - D43.2)
Data Element	Diagnosis Code, Diagnosis Type , Project Number
References	DAD Abstracting Manual: Group 16—Projects.

29. Missing, Invalid or Unknown Value for Fields 04 to 11 (*Date and Time of Acute Thrombolysis Administration*) When Project 340 Recorded and Field 03 (*Administration of Acute Thrombolysis*) is Y (Yes) or P (Yes, Prior) (D1618-121)

Rule

When Project 340 is recorded, it is mandatory to complete Fields 04 to 11 (*Date and Time of Acute Thrombolysis Administration*). This field captures the specific date and time that a patient with acute ischaemic stroke (i.e. ICD-10-CA code is I63.- (excluding I63.6), I64, I67.6, H34.0, H34.1 or G45.- (Excluding G45.4) received acute thrombolysis, for those who were administered this medication. The start time for administration of the medication should be the time recorded in these fields.

This test will be completed for all abstracts where Project 340 has been completed and Field 03 (*Administration of Acute Thrombolysis*) is Y (Yes) or P (Yes, prior), regardless of whether it is mandatory in a particular jurisdiction. A high percent of abstracts with missing (blank), invalid or unknown (99) date and time for Fields 04 to 11 may indicate a need to investigate practices around the capturing of date and time of acute thrombolysis administration.

Please note that this test will only be included in the summary reports and only the results for facilities with greater than 0% of abstracts with missing, invalid or unknown date and/or time for Fields 04 to 11 when Field 03 is Y or P. Abstract identification information will not be provided for this test.

Selection Criteria	Project Number 340 is recorded,	
	And	
	Field 03 Administration of Acute Thrombolysis is Y (yes) or P (yes, prior)	
	And	
	One or more of the following fields are blank, unknown or invalid:	
	 Fields 04-05 (Month): is blank, or has unknown value (99) or is not valid two character code of 01-12 	
	 Fields 06 -07 (Day): is blank, or has an unknown value (99) or is not a valid two character code of 01-31 	
	 Fields 08-09 (Hour): is blank, or has an unknown value (99) or is not a valid two digit character of 00-23 	
	 Fields 10- 11 (Minutes): is blank, or has an unknown value of (99) or is not a valid two digit character of 00-59 	
Data Element	Project Number, Fields 03 to 11	
References	DAD Abstracting Manual: Group 16—Project 340.	

30. Not Applicable, Unknown or Invalid Value for Field 12 (Prescription for Antithrombotic Medication at Discharge) When Project 340 Recorded for Ischaemic Stroke Diagnosis (D1618-103)

Rule

When Project 340 is recorded, it is mandatory to complete Field 12 (*Prescription for Antithrombotic Medication at Discharge*). This field captures whether patients with a diagnosis of ischaemic stroke (163.– (excluding 163.6), 164, 167.6, H34.0, H34.1, G45.– (excluding G45.4)) receive a prescription for antithrombotic medication at discharge.

This test will be completed for all abstracts where Project 340 has been completed, regardless of whether it is mandatory in a particular jurisdiction. A high percent of abstracts with not applicable (8), unknown (9) or invalid value for Field 12 may indicate a need to investigate practices around the capturing of prescription for antithrombotic medication at discharge.

Please note that this test will only be included in the summary reports and only the results for facilities with greater than 0% of abstracts with not applicable, unknown or invalid value for Field 12 when Project 340 recorded for ischaemic stroke diagnosis will be reported. Abstract identification information will not be provided for this test.

Selection Criteria	Project Number 340 for ischaemic stroke diagnosis cases (I63.– (excluding I63.6), I64, I67.6, H34.0, H34.1, G45.– (excluding G45.4)) is recorded
	And
	Discharge Disposition is not 07 (Died)
	And
	Field 12 Prescription for Antithrombotic Medication at Discharge is not applicable (8), unknown (9) or invalid (is missing or has a value recorded other than Y or N).
Data Element	Project Number, Field 12
References	DAD Abstracting Manual: Group 16—Project - 340.

31. Invalid or Unknown Value for Fields 13 to 24 (*Stroke Symptom Onset Date and Time*) When Project 340 Recorded (D1618-123)

Rule

When Project 340 is recorded, it is mandatory to complete Fields 13 to 24 (*Stroke Symptom Onset Date and Time*). This field captures the date and time that the patient first started to experience stroke symptoms, regardless of the location of the patient at the time of symptom onset.

This test will be completed for all abstracts where Project 340 has been completed, regardless of whether it is mandatory in a particular jurisdiction. A high percent of abstracts with invalid or unknown date and time for Fields 13 to 24 may indicate a need to investigate practices around the capturing of stroke symptom onset date and time.

Please note that this test will only be included in the summary reports and only the results for facilities with greater than 0% of abstracts with invalid or unknown date and time for Fields 13 to 24 when Project 340 recorded will be reported. Abstract identification information will not be provided for this test.

Selection Criteria	Project Number 340 is recorded, Fields 13 to 24 are invalid or unknown date and/or time
	And
	One or more of the following fields are unknown or invalid:
	Fields 13-16 (Year): has unknown value (9999) or is not a valid four character code of less than or equal to 2016
	• Fields 17-18 (Month): has an unknown value (99) or is not a valid two character code of 01-12
	Fields 19-20 (Day): has an unknown value (99) or is not a valid two character code of 01-31
	• Fields 21-22 (Hour): has an unknown value (99) or is not a valid two digit character of 00-23
	Fields 23-24 (Minutes): has an unknown value of (99) or is not a valid two digit character of 00-59
Data Element	Project Number, Fields 13 to 24
References	DAD Abstracting Manual: Group 16—Project 340.

32. Stroke Symptom Onset Date and Time after Admission Date and Time When Project 340 Recorded (D1618-124)

Rule

When Project 340 is recorded, it is mandatory to complete Fields 13 to 24 (*Stroke Symptom Onset Date and Time*). This field captures the date and time that the patient first started to experience stroke symptoms, regardless of the location of the patient at the time of symptom onset. The Stroke Symptom Onset Date and Time must be a date/time earlier than the emergency department arrival or facility admission date and time.

This test will be completed for all abstracts where Project 340 has been completed, regardless of whether it is mandatory in a particular jurisdiction.

Selection Criteria	Project Number 340 is recorded
	And
	Admission Date is a valid date
	And
	Fields 13 to 20 (Stroke Symptom Onset Date) is a valid date:
	Fields 13-16 (Year): is a valid four character code of any year
	Fields 17-18 (Month): is a valid two character code of 01-12
	Fields 19-20 (Day): is a valid two character code of 01-31
	And
	One of the following conditions is met:
	• If Admission Time and Fields 21-24 (Stroke Symptom Onset Time) are a valid four digit character of 0000-2359, values recorded in Fields 13 to 24 are after the Admission Date and Time
	• If Admission Time or Fields 21-24 (Stroke Symptom Onset Time) is not a valid four digit character of 0000-2359, values recorded in Fields 13 to 20 are after the Admission Date
Data Element	Admission Date, Admission Time, Project Number, Fields 13 to 24
References	DAD Abstracting Manual: Group 16—Project 340.

Appendix A — Post-Procedural Disorder Codes

This list identifies all post-procedural disorder codes. When a code from this list is assigned, it always requires an external cause code. When the applicable external cause is from Y60–Y84, a Diagnosis Cluster must be applied.

E89.0	Postprocedural hypothyroidism
E89.1	Postprocedural hypoinsulinaemia
E89.2	Postprocedural hypoparathyroidism
E89.3	Postprocedural hypopituitarism
E89.4	Postprocedural ovarian failure
E89.5	Postprocedural testicular hypofunction
E89.6	Postprocedural adrenocortical (-medullary) hypofunction
E89.8	Other postprocedural endocrine and metabolic disorders
E89.9	Postprocedural endocrine and metabolic disorder, unspecified
G97.0	Cerebrospinal fluid leak from spinal puncture
G97.1	Other reactions to spinal and lumbar puncture
G97.2	Intracranial hypotension following ventricular shunting
G97.8	Other postprocedural disorders of nervous system
G97.9	Postprocedural disorder of nervous system, unspecified
H59.0	Keratopathy (bullous aphakic) following cataract surgery
H59.80	Cataract (lens) fragments in eye following cataract surgery
H59.81	Cystoid macular oedema following cataract surgery
H59.88	Other postprocedural disorders of eye and adnexa
H59.9	Postprocedural disorder of eye and adnexa, unspecified
H95.0	Recurrent cholesteatoma of postmastoidectomy cavity
H95.1	Other disorders following mastoidectomy
H95.8	Other postprocedural disorders of ear and mastoid process
H95.9	Postprocedural disorder of ear and mastoid process, unspecified
197.0	Postcardiotomy syndrome
197.1	Other functional disturbances following cardiac surgery
197.2	Postmastectomy lymphoedema syndrome
197.8	Other postprocedural disorders of circulatory system, not elsewhere classified
197.9	Postprocedural disorder of circulatory system, unspecified
J95.00	Haemorrhage from tracheostomy stoma
J95.01	Infection of tracheostomy stoma

J95.02	Malfunction of tracheostomy stoma
J95.03	Tracheo-esophageal fistula following tracheostomy
J95.08	Other tracheostomy complication
J95.1	Acute pulmonary insufficiency following thoracic surgery
J95.2	Acute pulmonary insufficiency following nonthoracic surgery
J95.3	Chronic pulmonary insufficiency following surgery
J95.4	Mendelson's syndrome
J95.5	Postprocedural subglottic stenosis
J95.80	Postprocedural pneumothorax
J95.81	Transfusion related acute lung injury (TRALI)
J95.88	Other postprocedural respiratory disorders
J95.9	Postprocedural respiratory disorder, unspecified
< 91.0	Vomiting following gastrointestinal surgery
< 91.1	Postgastric surgery syndromes
< 91.2	Postsurgical malabsorption, not elsewhere classified
< 91.3	Postoperative intestinal obstruction
< 91.40	Haemorrhage from colostomy stoma
< 91.41	Infection of colostomy stoma
< 91.42	Malfunction of colostomy stoma, not elsewhere classified
< 91.43	Haemorrhage from enterostomy stoma
< 91.44	Infection of enterostomy stoma
< 91.45	Enterostomy malfunction, not elsewhere classified
< 91.5	Postcholecystectomy syndrome
< 91.60	Haemorrhage from gastrostomy stoma
< 91.61	Infection of gastrostomy stoma
< 91.62	Gastrostomy malfunction, not elsewhere classified
< 91.8	Other postprocedural disorders of digestive system, not elsewhere classified
< 91.9	Postprocedural disorder of digestive system, unspecified
M96.0	Pseudarthrosis after fusion or arthrodesis
M96.1	Postlaminectomy syndrome, not elsewhere classified
M96.2	Postradiation kyphosis
M96.3	Postlaminectomy kyphosis
M96.4	Postsurgical lordosis
M96.5	Postradiation scoliosis
M96.60	Fracture of bone following insertion of joint prosthesis

M96.68	Fracture of bone following insertion of other and unspecified orthopaedic implant
M96.8	Other postprocedural musculoskeletal disorders
M96.9	Postprocedural musculoskeletal disorder, unspecified
N99.0	Postprocedural renal failure
N99.1	Postprocedural urethral stricture
N99.2	Postoperative adhesions of vagina
N99.3	Prolapse of vaginal vault after hysterectomy
N99.4	Postprocedural pelvic peritoneal adhesions
N99.50	Haemorrhage from external stoma of urinary tract
N99.51	Infection of external stoma of urinary tract
N99.52	Other malfunction of external stoma of urinary tract, NEC
N99.8	Other postprocedural disorders of genitourinary system
N99.9	Postprocedural disorder of genitourinary system, unspecified

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