



## CORI v3 National Endoscopic Database

The data in the National Endoscopic Database (NED) is captured as part of the documentation of endoscopic procedures. This document describes the structure and data in the CORI v3 NED, i.e. data captured by documentation using the CORI v3 Endoscopic Reporting Software. Please see associated documents for a broader view of this database (Key Points about the National Endoscopic Database, and Overview of the National Endoscopic Database)

The main procedure data table is the PROC2KA\_MERGE table.

- The PROC2KA\_MERGE table contains unique procedure identifier (PROC column) for every procedure in the warehouse. This identifier links procedure data in the PROC2KA\_MERGE table to all other data in the warehouse for a given procedure; in all other data tables, the PROC column functions as a foreign key to PROC2KA\_MERGE.
- The PROC2KA\_MERGE table also contains patient demographic information, site information, and unique physician identifier associated with each procedure. The individual columns of the PROC2KA\_MERGE table are described in more detail in the Appendix 1, the PROC2KA\_MERGE Dictionary.
- The PROC2KA\_MERGE table also identifies the procedure type (PROCTYPE column). The procedure type is critical to linking the PROC2KA\_MERGE procedure data to the correct data tables when looking for detailed procedure data. Most other procedure data tables are named with a three letter prefix indicating the procedure type.
- Each of these prefixed procedure data tables has PROC column that contains the unique procedure identifier. Some tables may have more than one row per procedure. For instance, if multiple polyps are found during a Colonoscopy, there will be multiple rows in the COL\_POLYP\_65 table for that given procedure identifier (PROC).
- In such cases there is usually a DETAIL column. This column is essentially a sequence number which can be used to construct composite key (the PROC and DETAIL columns taken together) for that table. The numeric value in the DETAIL column has no meaning with regard to the procedure data.

The procedure types in the PROCTYPE column of PROC2KA\_MERGE are:

COL – Colonoscopy

EGD – Esophagogastroduodenoscopy, EGD

BRO – Bronchoscopy  
CAP - Capsule Endoscopy  
ERC - Endoscopic retrograde cholangiopancreatography ERCP  
EUS - Endoscopic ultrasound EUS  
MOT - Motility study  
NON – Non-endoscopic procedure  
SIG – Flexible Sigmoidoscopy

As an example of the naming conventions used in the CORI v3 NED, all tables containing Colonoscopy data have names starting with COL.

COL\_INDS is a table containing the Indication data for Colonoscopies

COL\_FINDS is a table containing the Findings data for Colonoscopies

Similarly,

EGD\_INDS is table containing the Indication data for Esophagogastroduodenoscopies

EGD\_FINDS is table containing the Findings data for Esophagogastroduodenoscopies

#### Physician Demographic Data

While patient demographic data is present within the PROC2KA\_MERGE table itself, the Physician demographic data is stored in the PHYSICIAN table. The PHYSICIAN column in the PROC2KA\_MERGE table contains a unique physician identifier which is linked to the PHYSICIAN column in the PHYSICIAN table. The columns in the PHYSICIAN table are described in more detail in the accompanying PHYSICIAN Dictionary (Appendix 2).

#### Parent-Child Tables

There are many tables in the Cori v3 National Endoscopic Database that are "parent" tables to one or more "child" tables. In these cases there will be one or more columns in the parent table with name that is identical (or similar to) the child table name, except that the child table name is prefixed with the procedure type.

Example: COL\_FINDS (a parent table) has column POLYP\_65. The related child table is COL\_POLYP\_65.

There are two cases where the Child table names do not follow this pattern.

1. Table names may not exceed 24 characters in the NED, so in some cases the parent column name is truncated in creating the child table name.

Example: COL\_FINDS (Parent table) has a column MUCOSALABNORMALITYCOLITI\_1137. The related Child table is COL\_MUCOSALABNORMALITYCO.

2. In other cases, the child data represents data collected in a grid on the user interface. In these cases the columns in the Parent table will be suffixed with \_GD but this suffix will not be present in the child table name.

Example: COL\_PATHOLOGY (Parent table) has column named BIOPSYDESCRIPTION\_97\_GD. The related Child table is COL\_BIOPSYDESCRIPTION\_97.

In most of the linked parent-child tables, the column in the parent table will have either '1' or NULL value.

- '1' indicates that data is present in the child table for that procedure. The child table will have one or more rows of data for each procedure that has a '1' in the Parent table.
- NULL value in the column in the Parent table indicates that there is no associated data present in the Child table.

Rows in the child table contain the procedure id (PROC) that relates them to the correct procedure. In addition, child tables also have DETAIL field. The DETAIL field functions as sequence number to distinguish rows for the same procedure. The combination of the values of PROC and DETAIL provide a unique identifier for each row (i.e. act as composite key).

Example: COL\_FINDS (Parent table) has a '1' in column POLYP\_65 for procedure PROC= 153000043152

- In the Child table COL\_POLYP\_65, there are 6 rows of data for this procedure number. Each row has a different value for DETAIL, and each gives data for a different polyp found during the procedure, including polyp location, size, whether the polyp was removed, retrieved, method of removal, etc.

Example: COL\_FINDS (Parent table) has a NULL value in column POLYP\_65 for procedure PROC= 155000018403

- In the Child table COL\_POLYP\_65, there are no rows of data for this procedure number, indicating that no polyps were found.

complete list of Parent-Child table relationships is in Appendix 3 (Parent Child Tables).

### CORI v3 Screenshots and Table names

Screenshots from the CORI v3 Endoscopic Reporting Software have been provided by procedure type in the following documents:

<i>Document</i>	<i>Procedure Type</i>
CORI3_BRO_Screenshots.pdf	Bronchoscopy
CORI3_CAP_Screenshots.pdf	Capsule Endoscopy
CORI3_COL_Screenshots.pdf	Colonoscopy
CORI3_EGD_Screenshots.pdf	EGD
CORI3_ERC_Screenshots.pdf	ERCP
CORI3_EUS_Screenshots.pdf	EUS
CORI3_MOT_Screenshots.pdf	Motility
CORI3_NON_Screenshots.pdf	Non-endoscopic procedures
CORI3_SIG_Screenshots.pdf	Flexible Sigmoidoscopy

The main screens for each procedure type are the tabs along the left side of any procedure screen. For example, the main screens for Colonoscopy and tables for data found on those screens are:

<i>Screenshot Tab</i>	<i>Data table</i>
Proc Info	COL_PROCINFO
Indications	COL_INDS
Exam Info	COL_EXAMINFO
Findings/Therapy	COL_FINDS
Intervent/Events	COL_COMPLICATIONS
Assess/Diag	COL_ASSESSMENT
Treatment Plan	COL_TREATMENTPLAN
Scheduling	Not available in the NED (except grid data)
Post Exam	COL_PATHOLOGY
F/up Info/Events	COL_FUPINFO

In addition to these main procedure tables, there are at least two other types of tables derived from procedure data:

- The data from each grid is stored in its own table, which is a child table, usually but not always to one of the main tables listed above

Example: The COL Proc. Info. screen shows a grid for Procedure Personnel. That grid data will be found in the COL\_Title\_95 table. The screenshot documents give the name of each main table as well as the name of the grid tables.

- Details about Findings and Therapies are found in tables, one for each Finding or Therapy. The main Findings table (e.g. COL\_Finds) will contain one column for each Finding, which are parent columns to the detail tables. For some procedure types, there is also a column in the main Findings table for each Therapy.

Example: the COL\_Finds table contains a column Polyp\_65. A value of '1' in this column indicates that there is detail data found in the table COL\_Polyp\_65.

Example: Data about the therapy Dilation, performed during a colonoscopy, will be found in the table COL\_Dilation\_241. Unlike findings, there is no parent table for therapies in COL procedure type.

### Data deletions

Text data has been "scrubbed" to remove protected health information, including patient or doctor names, full dates, and other personal identifiers. In these cases the deleted string has been replaced with an indication that data has been deleted, such as *[deleted]*, *[date deleted]*, *[redacted comment]*, or *[name deleted]*. Occasionally free-text columns (e.g. Comments fields) have been removed entirely.

### The data dictionary

A data dictionary is provided as an Excel spreadsheet. For each column in the CORI v3 NED, there is one row in the spreadsheet. Fields include:

- the dataset (table) name (DataSet)
- the variable (column) name (Variable)
- the SAS datatype (Type)
- the SAS field length (Len)
- the SQL database datatype (SQLdatatype)
- the main screen for capture of this data (Screen)
- the label on that screen, i.e. what the user saw when documenting on the screen (Label)
- the type of screen control for capturing the data -- textbox, numeric field, option group, checkbox, menu, editable menu, etc. (ControlType)
- the possible values for the variable (Format). Consider the following, however:
  - Many of the menus used in CORI v3 are editable menus, i.e. while a list of suggested values is presented to the user, the user may enter any value into the field.
  - It is not possible to know what the suggested value list was at the time of the procedure, so values listed in this field are probable but not absolute.
  - The data dictionary tries to distinguish between menus (i.e. which are not editable) and editable menus, but the distinction is not always clear. Examination of the values found in the field will be necessary in order to determine the possible values.
- The name of the screenshot document illustrating the CORI v3 screens (Screenshot)
- The page in the screenshot document illustrating the variable, when available (Page)
  - Some of the screens changed over time; alternate screenshots are shown when available, however, dates of changes in the screens are not documented
- Notes about the variable that may help during data analysis (Notes)

#### Data Missing from the CORI v3 National Endoscopic Database

The screenshots show some data controls that were used for procedure documentation but which do not have corresponding tables or columns in the National Endoscopic Database. Appendix 4 lists the types of data by procedure which are not found in the NED data.

Appendix 1: PROC2KA\_MERGE Dictionary

TABLE NAME	COLUMN NAME	COLUMN DESCRIPTION
PROC2KA_MERGE	PROC	Unique identifier for procedures. Foreign key in all procedure related tables
PROC2KA_MERGE	SITE	Unique identifier for sites using CORI EHR software to document GI procedures
PROC2KA_MERGE	AUTHOR	Unique identifier for clinical personnel responsible for creation of the procedure record
PROC2KA_MERGE	PROCTYPE	Type of Procedure: COL-Colonoscopy; EGD-Esophagogastroduodenoscopy; BRO-Bronchoscopy; CAP-Capsule Endoscopy; ERC-Endoscopic retrograde cholangiopancreatography; EUS-Endoscopic ultrasound; MOT-Motility study; NON-Nonendoscopic procedure; SIG-Sigmoidoscopy
PROC2KA_MERGE	DUPLICATE	Cori3 Interface quality check. Multiple procedures occurring on the same day must be confirmed as legitimate by the user. This field contains operational data and should not be used in analysis.
PROC2KA_MERGE	REGION	The general region of the country where site is located
PROC2KA_MERGE	SITETYPE	Type of clinical site where procedure was performed: University, Community, HMO, Military, VA
PROC2KA_MERGE	ID	Unique identifier for patient
PROC2KA_MERGE	RACE	Patient race: White, Black, Asian, Nat(ive) American, Pacific Is(lander), Multi-Racial, Not Given
PROC2KA_MERGE	GENDER	0=Female, 1=Male
PROC2KA_MERGE	AGE	Patient age at time of procedure
PROC2KA_MERGE	PROC_ORDER	Order of procedures for a patient within a given year. If multiple procedures occurred on the same date, the order number will be the same for those procedures.
PROC2KA_MERGE	PROCYEAR	Year in which procedure was performed
PROC2KA_MERGE	PHYSICIAN	Unique identifier for responsible endoscopist
PROC2KA_MERGE	FELLOW	Unique identifier for fellow, if procedure is performed by a fellow
PROC2KA_MERGE	INOUT	IN-Inpatient procedure; OUT-Outpatient procedure; UNK-Unknown
PROC2KA_MERGE	GROUPID	Groupid indicates associated sites that share a CORI installation/database. Sites are associated with only one groupid, but one groupid may be associated with multiple sites. Physicians may also be associated with multiple sites within a single groupid.
PROC2KA_MERGE	STATE	State where procedure was performed
PROC2KA_MERGE	ETHNICITY	Hispanic, Not Hispanic, Unknown
PROC2KA_MERGE	RACE_NIH	NIH race designation for the patient: Asian/Pacific Is, Hispanic, Native American, Non Hispanic Black, Non Hispanic White, Other, Unknown

PROC2KA_MERGE	PATH_CATEGORY	Pathology status: path requested, report only, results and report, results only
PROC2KA_MERGE	PEDS	Pediatric procedure: T=True, F=False
PROC2KA_MERGE	START_DATE	Date site began participating in Cori3 data submissions
PROC2KA_MERGE	END_DATE	Date site ceased participating in Cori3 data submissions
PROC2KA_MERGE	FACILITY_TYPE	Type of Facility where procedure was performed: Ambulatory Center, Hospital, Office

Appendix 2: PHYSICIAN Dictionary

TABLE NAME	COLUMN NAME	COLUMN DESCRIPTION
PHYSICIAN	PHYSICIAN	Unique identifier for responsible endoscopist
PHYSICIAN	DEGREE	Medical degree of responsible endoscopist
PHYSICIAN	GENDER	M=Male, F=Female
PHYSICIAN	MEDSCHOOL	Medical school attended by responsible endoscopist
PHYSICIAN	YEAR_GRADUATED	Year the physician graduated from medical school
PHYSICIAN	FELLOWSHIP_COMPLETED	0=Physician has not completed fellowship; 1=Physician completed a fellowship, NULL=unknown
PHYSICIAN	SPECIALTY	Physician specialty
PHYSICIAN	CERT_NONE	1=Physician has no certifications
PHYSICIAN	CERT_GI	1=Physician has certifications in Gastroenterology
PHYSICIAN	CERT_GI_YEAR	Year the physician received certification in Gastroenterology (if available)
PHYSICIAN	CERT_SURG	1=Physician has certifications in Surgery
PHYSICIAN	CERT_SURG_YEAR	Year the physician received certification in Surgery (if available)
PHYSICIAN	CERT_FAM_MED	1=Physician has certifications in Family Medicine
PHYSICIAN	CERT_FAM_MED_YEAR	Year the physician received certification in Family Medicine (if available)
PHYSICIAN	CERT_INT_MED	1=Physician has certifications in Internal Medicine
PHYSICIAN	CERT_INT_MED_YEAR	Year the physician received certification in Internal Medicine (if available)
PHYSICIAN	CERT_PULM	1=Physician has certifications in Pulmonary Medicine
PHYSICIAN	CERT_PULM_YEAR	Year the physician received certification in Pulmonary Medicine (if available)
PHYSICIAN	CERT_PED_GI	1=Physician has certifications in GI pediatrics
PHYSICIAN	CERT_PED_GI_YEAR	Year the physician received certification in GI Pediatrics (if available)
PHYSICIAN	CERT_COLRECSURG	1=Physician has certifications in Colorectal Surgery
PHYSICIAN	CERT_COLRECSURG_YEAR	Year the physician received certification in Colorectal Surgery (if available)
PHYSICIAN	CERT_PED	1=Physician has certifications in Pediatrics
PHYSICIAN	CERT_PED_YEAR	Year the physician received certification in Pediatrics (if available)
PHYSICIAN	CERT_OTHER1	Title of other certification held by physician
PHYSICIAN	CERT_OTHER1_YEAR	Year of other certification held by physician
PHYSICIAN	CERT_OTHER2	Title of other certification (#2) held by physician
PHYSICIAN	CERT_OTHER2_YEAR	Year of other certification (#2) held by physician
PHYSICIAN	CertificationStatus	Indicates reliability of YEAR_GRADUATED and CERT_XX_YEAR fields. Resolved = validated in 2014, Not resolved = could not be validated in 2014, Not reviewed = not reviewed for validity



PHYSICIAN	DuplicateStatus	one record per physician; previously more than one record per physician, resolved to 1 row in this data set; 3 = unable to resolve duplicate rows for this physician; 5 = unable to validate duplicate status
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Appendix 3: Parent-Child Tables

Parent Table	Parent Column	Child Table
BRO_COMPLICATIONS	MEDICATION_1061	BRO_MEDICATION_1061
BRO_EXAMINFO	INSTRUMENT_902	BRO_INSTRUMENT_902
BRO_EXAMINFO	MEDICATION_888	BRO_MEDICATION_888
BRO_FINDS	AIRWAYINSPECTION_4848	BRO_AIRWAYINSPECTION_484
BRO_FINDS	ANATOMICALVARIANT_5047	BRO_ANATOMICALVARIANT_50
BRO_FINDS	BLOOD_953	BRO_BLOOD_953
BRO_FINDS	COLLAPSE_931	BRO_COLLAPSE_931
BRO_FINDS	DIAGNOSTICTEST_964	BRO_DIAGNOSTICTEST_964
BRO_FINDS	ENDOBONCHIALMASS_1001	BRO_ENDOBONCHIALMASS_10
BRO_FINDS	ENDOBONCHIALSTENOSISSTR_928	BRO_ENDOBONCHIALSTENOSI
BRO_FINDS	EROSION_987	BRO_EROSION_987
BRO_FINDS	ERYTHEMA_933	BRO_ERYTHEMA_933
BRO_FINDS	FOREIGNBODYRETAINEDFOOD_910	BRO_FOREIGNBODYRETAINEDF
BRO_FINDS	IMAGETAKEN_992	BRO_IMAGETAKEN_992
BRO_FINDS	MUCOUSPLUG_996	BRO_MUCOUSPLUG_996
BRO_FINDS	NARROWING_4847	BRO_NARROWING_4847
BRO_FINDS	NORMALEXAM_1585	BRO_NORMALEXAM_1585
BRO_FINDS	NOTSEENONEXAM_66	BRO_NOTSEENONEXAM_66
BRO_FINDS	OTHERFINDING_1006	BRO_OTHERFINDING_1006
BRO_FINDS	PIT_952	BRO_PIT_952
BRO_FINDS	POLYP_906	BRO_POLYP_906
BRO_FINDS	PRIORSURGERY_993	BRO_PRIORSURGERY_993
BRO_FINDS	SUBMUCOSALEDEMA_951	BRO_SUBMUCOSALEDEMA_951
BRO_FINDS	TEARPERFORATION_930	BRO_TEARPERFORATION_930
BRO_FINDS	THERAPEUTICPROCEDURE_954	BRO_THERAPEUTICPROCEDURE
BRO_FINDS	TRACHEOMALACIA_955	BRO_TRACHEOMALACIA_955
BRO_PROCINFO	TITLE_666	BRO_TITLE_666
CAP_ASSESSMENT	CATEGORY_4296_GD	CAP_CATEGORY_4296
CAP_EXAMINFO	LOCATION_5023	CAP_LOCATION_5023
CAP_INDS	DESCRIPTION_4173	CAP_DESCRIPTION_4173
CAP_INDS	DESCRIPTION_4174	CAP_DESCRIPTION_4174
CAP_INDS	STUDY_4172	CAP_STUDY_4172
CAP_PATHOLOGY	ACTION_4417_GD	CAP_ACTION_4417
CAP_PATHOLOGY	BIOPSYDESCRIPTION_4382_GD	CAP_BIOPSYDESCRIPTION_43
CAP_PROCINFO	TITLE_4164	CAP_TITLE_4164
CAP_TREATMENT	MEDTYPE_4314_GD	CAP_MEDTYPE_4314
COL_ASSESSMENT	CATEGORY_3941_GD	COL_CATEGORY_3941
COL_COMPLICATIONS	MEDICATION_3955	COL_MEDICATION_3955
COL_EXAMINFO	INSTRUMENT_38	COL_INSTRUMENT_38
COL_EXAMINFO	MEDICATION_44	COL_MEDICATION_44
COL_FINDS	ANATOMICALDEFORMITY_1144	COL_ANATOMICALDEFORMITY_

COL_FINDS	ANGIODYSPLASIA_63	COL_ANGIODYSPLASIA_63
COL_FINDS	COLITISRADIATION_605	COL_COLITISRADIATION_605
COL_FINDS	DIAGNOSTICTEST_698	COL_DIAGNOSTICTEST_698
COL_FINDS	DIVERTICULOSIS_696	COL_DIVERTICULOSIS_696
COL_FINDS	FISSUREFISTULA_3886	COL_FISSUREFISTULA_3886
COL_FINDS	HEMORRHOIDS_780	COL_HEMORRHOIDS_780
COL_FINDS	IMAGETAKEN_829	COL_IMAGETAKEN_829
COL_FINDS	LYMPHONODULARHYPERPLASIA_643	COL_LYMPHONODULARHYPERPL
COL_FINDS	MELANOSIS_781	COL_MELANOSIS_781
COL_FINDS	MUCOSALABNORMALITYCOLITI_1137	COL_MUCOSALABNORMALITYCO
COL_FINDS	MULTIPLEPOLYPS_3798	COL_MULTIPLEPOLYPS_3798
COL_FINDS	NORMALEXAM_3797	COL_NORMALEXAM_3797
COL_FINDS	NOTSEENONEXAM_353	COL_NOTSEENONEXAM_353
COL_FINDS	OTHERFINDING_520	COL_OTHERFINDING_520
COL_FINDS	POLYP_65	COL_POLYP_65
COL_FINDS	PRIORSURGERY_1190	COL_PRIORSURGERY_1190
COL_FINDS	SOLITARYULCER_64	COL_SOLITARYULCER_64
COL_FINDS	STRICTURESTENOSIS_1683	COL_STRICTURESTENOSIS_16
COL_FINDS	THERAPEUTICPROCEDURE_581	COL_THERAPEUTICPROCEDURE
COL_FINDS	TUMOR_62	COL_TUMOR_62
COL_FUPINFO	EVENTTYPE_1606_GD	COL_EVENTTYPE_1606
COL_HISTORY	SYSTEM_170	COL_SYSTEM_170
COL_HISTORY	TYPE_2862	COL_TYPE_2862
COL_INDS	ASINDICATIONFORTHISEXAM_401	COL_ASINDICATIONFORTHISE
COL_INDS	STUDY_400	COL_STUDY_400
COL_PATHOLOGY	ACTION_142_GD	COL_ACTION_142
COL_PATHOLOGY	BIOPSYDESCRIPTION_97_GD	COL_BIOPSYDESCRIPTION_97
COL_PELABS	TYPEOFSTUDY_412_GD	COL_TYPEOFSTUDY_412
COL_PROINFO	TITLE_95_GD	COL_TITLE_95
COL_TREATMENTPLAN	MEDTYPE_96	COL_MEDTYPE_96
EGD_ASSESSMENT	CATEGORY_4112_GD	EGD_CATEGORY_4112
EGD_COMPLICATIONS	MEDICATION_3929	EGD_MEDICATION_3929
EGD_EXAMINFO	INSTRUMENT_188	EGD_INSTRUMENT_188
EGD_EXAMINFO	MEDICATION_250	EGD_MEDICATION_250
EGD_FINDS	ANASTAMOSIS_172	EGD_ANASTAMOSIS_172
EGD_FINDS	ANATOMICALDEFORMITY_1143	EGD_ANATOMICALDEFORMITY_
EGD_FINDS	ANGIODYSPLASIA_476	EGD_ANGIODYSPLASIA_476
EGD_FINDS	BARRETTSOPHAGUS_486	EGD_BARRETTSOPHAGUS_48
EGD_FINDS	BLOODCLOT_3612	EGD_BLOODCLOT_3612
EGD_FINDS	DIAGNOSTICTEST_692	EGD_DIAGNOSTICTEST_692
EGD_FINDS	DIEULAFOYLESION_475	EGD_DIEULAFOYLESION_475
EGD_FINDS	ESOPHAGEALINFLAMMATION_484	EGD_ESOPHAGEALINFLAMMATI
EGD_FINDS	FOREIGNBODYRETAINEDFOOD_467	EGD_FOREIGNBODYRETAINEDF
EGD_FINDS	HEALEDULCER_473	EGD_HEALEDULCER_473

EGD_FINDS	HIATALHERNIA_457	EGD_HIATALHERNIA_457
EGD_FINDS	IMAGETAKEN_828	EGD_IMAGETAKEN_828
EGD_FINDS	LYMPHONODULARHYPERPLASIA_626	EGD_LYMPHONODULARHYPERPL
EGD_FINDS	MALLORY_WEISSTEAR_466	EGD_MALLORY_WEISSTEAR_46
EGD_FINDS	MUCOSALABNORMALITY_482	EGD_MUCOSALABNORMALITY_4
EGD_FINDS	NODULE_472	EGD_NODULE_472
EGD_FINDS	NORMALEXAM_877	EGD_NORMALEXAM_877
EGD_FINDS	NOTSEENONEXAM_140	EGD_NOTSEENONEXAM_140
EGD_FINDS	OTHERFINDING_468	EGD_OTHERFINDING_468
EGD_FINDS	POLYP_471	EGD_POLYP_471
EGD_FINDS	PRIORSURGERY_1189	EGD_PRIORSURGERY_1189
EGD_FINDS	SPRUE_779	EGD_SPRUE_779
EGD_FINDS	STRICTURESTENOSIS_474	EGD_STRICTURESTENOSIS_47
EGD_FINDS	THERAPEUTICPROCEDURE_1210	EGD_THERAPEUTICPROCEDURE
EGD_FINDS	TUMOR_458	EGD_TUMOR_458
EGD_FINDS	ULCER_481	EGD_ULCER_481
EGD_FINDS	VARICES_465	EGD_VARICES_465
EGD_FUPINFO	EVENTTYPE_107_GD	EGD_EVENTTYPE_107
EGD_HISTORY	SYSTEM_138_GD	EGD_SYSTEM_138
EGD_HISTORY	TYPE_2861_GD	EGD_TYPE_2861
EGD_INDS	ASINDICATIONFORTHISEXAM_1014	EGD_ASINDICATIONFORTHISE
EGD_INDS	STUDY_373	EGD_STUDY_373
EGD_PATHOLOGY	ACTION_332_GD	EGD_ACTION_332
EGD_PATHOLOGY	BIOPSYDESCRIPTION_331_GD	EGD_BIOPSYDESCRIPTION_33
EGD_PELABS	TYPEOFSTUDY_380_GD	EGD_TYPEOFSTUDY_380
EGD_POSTEVENTS	EVENTTYPE_107_GD	EGD_EVENTTYPE_107
EGD_PROCINFO	TITLE_145	EGD_TITLE_145
EGD_THERAPY	APC_1	EGD_APC_1
EGD_TREATMENT	MEDTYPE_321_GD	EGD_MEDTYPE_321
ERC_ASSESSMENT	CATEGORY_4113_GD	ERC_CATEGORY_4113
ERC_COMPLICATIONS	MEDICATION_3988	ERC_MEDICATION_3988
ERC_EXAMINFO	INSTRUMENT_266_GD	ERC_INSTRUMENT_266
ERC_EXAMINFO	MEDICATION_2324_GD	ERC_MEDICATION_2324
ERC_EXAMINFO	MEDICATION_251_GD	ERC_MEDICATION_251
ERC_INDS	ASINDICATIONFORTHISEXAM_1021	ERC_ASINDICATIONFORTHISE
ERC_INDS	LOCATION_396	ERC_LOCATION_396
ERC_INDS	STUDY_383	ERC_STUDY_383
ERC_PATHOLOGY	ACTION_335_GD	ERC_ACTION_335
ERC_PATHOLOGY	BIOPSYDESCRIPTION_334_GD	ERC_BIOPSYDESCRIPTION_33
ERC_PELABS	TYPEOFSTUDY_414_GD	ERC_TYPEOFSTUDY_414
ERC_POSTEVENTS	EVENTTYPE_112_GD	ERC_EVENTTYPE_112
ERC_PROCINFO	TITLE_528	ERC_TITLE_528
ERC_TREATMENT	MEDTYPE_324_GD	ERC_MEDTYPE_324
ERC_VISUALIZATION	DUCT_1198_GD	ERC_DUCT_1198

EUS_ASSESSMENT	CATEGORY_1603_GD	EUS_CATEGORY_1603
EUS_ASSESSMENT	DIAGNOSIS_3823_GD	EUS_DIAGNOSIS_3823
EUS_ASSESSMENT	DIAGNOSIS_3824_GD	EUS_DIAGNOSIS_3824
EUS_ASSESSMENT	DIAGNOSIS_3825_GD	EUS_DIAGNOSIS_3825
EUS_COMPLICATIONS	MEDICATION_4043	EUS_MEDICATION_4043
EUS_EXAMINFO	EUS_1672_GD	EUS_EUS_1672
EUS_EXAMINFO	INSTRUMENT_2868_GD	EUS_INSTRUMENT_2868
EUS_EXAMINFO	MEDICATION_1668	EUS_MEDICATION_1668
EUS_EXAMINFO	MEDICATION_1670_GD	EUS_MEDICATION_1670
EUS_INDS	DIAGNOSISQUALIFIER_3698	EUS_DIAGNOSISQUALIFIER_3
EUS_PATHOLOGY	ACTION_1821_GD	EUS_ACTION_1821
EUS_PATHOLOGY	BIOPSYDESCRIPTION_1820_GD	EUS_BIOPSYDESCRIPTION_18
EUS_PELABS	TYPEOFSTUDY_416_GD	EUS_TYPEOFSTUDY_416
EUS_PROCINFO	TITLE_1592	EUS_TITLE_1592
EUS_STAGING	PRIMARYSITE_1673_GD	EUS_PRIMARYSITE_1673
EUS_STAGING	PRIMARYSITE_1740_GD	EUS_PRIMARYSITE_1740
EUS_TREATMENT	MEDTYPE_1798_GD	EUS_MEDTYPE_1798
MOT_EXAMINFO	INSTRUMENT__1993_GD	MOT_INSTRUMENT__1993
MOT_PROCINFO	TITLE__1904_GD	MOT_TITLE__1904
NON_ASSESSMENT	CATEGORY_4031_GD	NON_CATEGORY_4031
NON_COMPLICATIONS	MEDICATION_4009	NON_MEDICATION_4009
NON_EXAMINFO	INSTRUMENT_2535_GD	NON_INSTRUMENT_2535
NON_EXAMINFO	MEDICATION_2544_GD	NON_MEDICATION_2544
NON_PATHOLOGY	ACTION_2664_GD	NON_ACTION_2664
NON_PATHOLOGY	BIOPSYDESCRIPTION_2663_GD	NON_BIOPSYDESCRIPTION_26
NON_PROCINFO	TITLE_2478	NON_TITLE_2478
NON_RESULTS	DILATOR_127_GD	NON_DILATOR_127
NON_TREATMENT	MEDTYPE_2605_GD	NON_MEDTYPE_2605
SIG_ASSESSMENT	CATEGORY_3958_GD	SIG_CATEGORY_3958
SIG_COMPLICATIONS	MEDICATION_3959	SIG_MEDICATION_3959
SIG_EXAMINFO	INSTRUMENT_1429_GD	SIG_INSTRUMENT_1429
SIG_EXAMINFO	MEDICATION_1428_GD	SIG_MEDICATION_1428
SIG_FINDS	ANATOMICALDEFORMITY_1448	SIG_ANATOMICALDEFORMITY_
SIG_FINDS	ANGIODYSPLASIA_1431	SIG_ANGIODYSPLASIA_1431
SIG_FINDS	COLITISMICROSCOPIC_1441	SIG_COLITISMICROSCOPIC_1
SIG_FINDS	DIAGNOSTICTEST_1443	SIG_DIAGNOSTICTEST_1443
SIG_FINDS	DIVERTICULOSIS_1442	SIG_DIVERTICULOSIS_1442
SIG_FINDS	FISSUREFISTULA_3887	SIG_FISSUREFISTULA_3887
SIG_FINDS	HEMORRHOIDS_1444	SIG_HEMORRHOIDS_1444
SIG_FINDS	IMAGETAKEN_1447	SIG_IMAGETAKEN_1447
SIG_FINDS	LYMPHONODULARHYPERPLASIA_644	SIG_LYMPHONODULARHYPERPL
SIG_FINDS	MELANOSIS_1445	SIG_MELANOSIS_1445
SIG_FINDS	MUCOSALABNORMALITYCOLITI_1446	SIG_MUCOSALABNORMALITYCO
SIG_FINDS	MULTIPLEPOLYPS_3800	SIG_MULTIPLEPOLYPS_3800

SIG_FINDS	NORMALEXAM_3799	SIG_NORMALEXAM_3799
SIG_FINDS	NOTSEENONEXAM_354	SIG_NOTSEENONEXAM_354
SIG_FINDS	OTHERFINDING_1435	SIG_OTHERFINDING_1435
SIG_FINDS	POLYP_1430	SIG_POLYP_1430
SIG_FINDS	PRIORSURGERY_1449	SIG_PRIORSURGERY_1449
SIG_FINDS	SOLITARYULCER_1436	SIG_SOLITARYULCER_1436
SIG_FINDS	STRICTURESTENOSIS_3641	SIG_STRICTURESTENOSIS_36
SIG_FINDS	THERAPEUTICPROCEDURE_582	SIG_THERAPEUTICPROCEDURE
SIG_FINDS	TUMOR_1433	SIG_TUMOR_1433
SIG_INDS	ASINDICATIONFORTHISEXAM_406	SIG_ASINDICATIONFORTHISE
SIG_INDS	STUDY_405	SIG_STUDY_405
SIG_POSTEVENTS	EVENTTYPE_109_GD	SIG_EVENTTYPE_109
SIG_PROCINFO	TITLE_1360	SIG_TITLE_1360
SIG_TREATMENT	MEDTYPE_1502_GD	SIG_MEDTYPE_1502

## Appendix 4: Missing Data

The following screens from the CORI v3 Endoscopic Reporting Software collect data which is NOT available in the National Endoscopic Database.

### **CAP**

History screen data is missing EXCEPT

- Current Medications grid (found in CAP\_Type\_4129 table) and
- Past Medical/Surgical History grid (found in CAP\_System\_4133 table)

Physical Examination / Labs screen data is missing EXCEPT

- Results of Prior Studies grid (found in CAP\_TypeOfStudy\_4144 table)

UGI Findings and Therapy Detail data is missing (i.e. no child tables for the columns in the CAP\_UGI\_Finds table)

Small Bowel Findings and Therapy Detail data is missing (i.e. no child tables for the columns in the CAP\_SMB\_Finds table)

Colon Findings and Therapy Detail data is missing (i.e. no child tables for the columns in the CAP\_COL\_Finds table)

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in CAP\_Activity\_4351 table)

Followup Information / Events data is missing EXCEPT

- Post Exam Events grid (found in CAP\_EventType\_4448 table)

### **BRO**

History screen data is missing EXCEPT

- Current Medications grid (found in BRO\_Type\_670 table) and
- Past Medical/Surgical History grid (found in BRO\_System\_352 table)

Physical Examination / Labs screen data is missing EXCEPT

- Results of Prior Studies grid (found in BRO\_TypeOfStudy\_426 table)

Visualization screen data is missing

Stent grid data is missing from the screen Therapy: Stent (found in BRO\_Stent\_1083 table)

Staging screen data is missing EXCEPT

- N-Staging grid (found in BRO\_PrimarySite\_1024 table) and
- T-Staging grid (found in BRO\_Structure\_1020 table)

Assessment /Diagnosis screen data is missing EXCEPT

- Diagnoses grid (found in BRO\_Category\_1125 table )

Treatment Plan screen data is missing EXCEPT

- Medication Plan grid (found in BRO\_MedType\_1165 table)

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in BRO\_Activity\_1182 table)

Post Examination screen data is missing EXCEPT

- Follow-up Results grid (found in BRO\_Action\_1199 table) and

- Pathology grid (found in BRO\_BiopsyDescription\_11 table)

Followup Information / Events screen data is missing EXCEPT

- Post Exam Events grid (found in BRO\_EventType\_120 table)

## **COL**

Dilator grid data is missing from the screen Therapy: Dilation (found in COL\_Dilation\_241 table)

Procedure (Proc) grid data is missing from the screen Therapy: Stent (found in COL\_Stent\_268 table)

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in COL\_Activity\_98 table)

## **EGD**

Liver Disease: Calculate Child's-Pugh Score screen data is missing

Dilator grid data is missing from the screen Therapy: Dilation (found in EGD\_Dilation\_18 table)

Stent grid data is missing from the screen Therapy: Stent Placement/Replacement (found in EGD\_StentPlacementReplac table)

Instrument grid data is missing from the screen Therapy: Stent Removal (found in EGD\_StentRemoval table)

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in EGD\_Activity\_330 table)

## **ERCP**

History screen data is missing EXCEPT

- Current Medications grid (found in ERC\_Type\_2864 table) and
- Past Medical/Surgical History grid (found in ERC\_System\_231 table)

ERCP EGD Findings and Therapy Detail data is missing (i.e. no child tables for the columns in the ERC\_EGDFinds table)

ERCP ERCP Findings and Therapy Detail data is missing (i.e. no child tables for the columns in the ERC\_ERCPFinds table)

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in ERC\_Activity\_333 table)

Followup Information / Events screen data is missing EXCEPT

- Post Exam Events grid (found in ERC\_EventType\_112 table)

## **EUS**

History screen data is missing EXCEPT

- Current Medications grid (found in EUS\_Type\_2865 table) and
- Past Medical/Surgical History grid (found in EUS\_System\_344 table)

EUS EGD Findings and Therapy Detail screen data (i.e. no child tables for the columns in the EUS\_EGDFinds table)



EUS Biliary/Pancreatic Findings and Therapy Detail screen data (i.e. no child tables for the columns in the EUS\_ColonFinds table) (Note: the main table was named improperly and this data is found in EUS\_ColonFinds table and not in the EUS\_BilPanFinds table)

EUS Colonoscopy Findings and Therapy Detail data (i.e. no child tables for the columns in the EUS\_BilPanFinds table) (Note: the main table was named improperly and this data is found in the EUS\_BilPanFinds table, not in the EUS\_ColonFinds table)

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in EUS\_Activity\_1813 table)

Followup Information / Events screen data is missing EXCEPT

- Post Exam Events grid (found in EUS\_Event\_Type\_114 table)

## **MOT**

History screen data is missing EXCEPT

- Current Medications grid (found in MOT\_Type\_2866 table) and
- Past Medical/Surgical History grid (found in MOT\_System\_347 table)

Physical Examination / Labs screen data is missing EXCEPT

- Results of Prior Studies grid (found in MOT\_TypeOfStudy\_417 table)

Assessment / Diagnosis screen data is missing EXCEPT

- Diagnoses Grid (found in MOT\_Category\_3925 table)

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in MOT\_Activity\_2236 table)

Followup Information / Events screen data is missing EXCEPT

- Post Exam Events grid (found in MOT\_EventType\_116 table)

## **NON**

History screen data is missing EXCEPT

- CurrentMediations grid (found in NON\_Type\_2867 table) and
- Past Medical /Surgical History grid (found in NON\_System\_350 table)

Physical Examination / Labs screen data is missing EXCEPT

- Results of Prior Studies grid (found in NON\_TypeOfStudy\_425 table)

Percutaneous Liver Biopsy Detail data is missing from Procedure Information: Percutaneous Liver Biopsy Detail: with Multiple Biopsies (>10) (found in NON\_ProcInfo table, withMultipleBiopsies\_19277 column)

Anoscopy Detail data is missing from Procedure Information: Anoscopy: Anoscopy Detail: with Multiple Biopsies (>10) (found in NON\_ProcInfo table, withMultipleBiopsies\_19278 column)

Liver Disease: Calculate Child's-Pugh Score screen data is missing

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in NON\_Activity\_2620 table)

Followup Information / Events screen data is missing EXCEPT

- Post Exam Events grid (found in NON\_EventType\_118 table)

## **SIG**

History screen data is missing EXCEPT

- Current Medications grid (found in SIG\_Type\_2863 table) and
- Past Medical/Surgical History grid (found in SIG\_System\_224 table)

Physical Examination / Labs screen data is missing EXCEPT

- Results of Prior Studies grid (found in SIG\_TypeOfStudy\_413 table)

Dilator grid data is missing from the screen Therapy: Dilation (found in SIG\_Dilation\_205 table)

Procedure (Proc) grid data is missing from the screen Therapy: Stent (found in SIG\_Stent\_316 table)

Scheduling screen data is missing EXCEPT

- Scheduling and Referral grid (found in SIG\_Activity\_1516 table)

Post Examination screen data is missing EXCEPT

- Follow-up Results grid (found in SIG\_Action\_124 table) and
- Pathology grid (found in SIG\_BiopsyDescription\_15 table)

Followup Information / Events screen data is missing EXCEPT

- Post Exam Events grid (found in SIG\_EventType\_109 table)