

# Data Input Specification

Version 118.0

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## Table: admission

**Full table name:** admission

**Primary Key:** admission\_id

**Description:** All admissions both past and current of patients into hospital. The minimum scope of admissions should be those that relate to current or past inpatient spells requiring discharge: [https://www.datadictionary.nhs.uk/nhs\\_business\\_definitions/hospital\\_provider\\_spell.html](https://www.datadictionary.nhs.uk/nhs_business_definitions/hospital_provider_spell.html)

column	type	notes	description
admission_id	string	<b>Primary Key:</b> admission_id	A unique key for the admission
admission_method	string		Descriptive column for how the patient was admitted to hospital <a href="https://www.datadictionary.nhs.uk/attributes/admission_source.html">https://www.datadictionary.nhs.uk/attributes/admission_source.html</a>
admission_source_hospital_provider_spell	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [19, 29, 37, 40, 42, 49, 51, 52, 53, 55, 56, 66, 79, 87, 88, 98, 99, null] <b>Severity:</b> WARN	<a href="https://www.datadictionary.nhs.uk/data_elements/admission_source_hospital_provider_spell_.html">https://www.datadictionary.nhs.uk/data_elements/admission_source_hospital_provider_spell_.html</a>
admission_status	string	<b>Values:</b> [Discharged, Admitted, null] <b>Severity:</b> FAIL	Latest status of the admission
admission_timestamp	timestamp		Timestamp of admission
admission_title	string	<b>Optional:</b> Derivable by CDM	Title, Patient Name: Date of Birth
admission_type	string	<b>Values:</b> [Inpatient, Outpatient, Daycase, null] <b>Severity:</b> WARN	Admission type, e.g. inpatient, daycase, outpatient
bed_location	string	<b>Optional:</b> Derivable by CDM	The latest bed number to which patient was admitted
date_of_birth	string	<b>Optional:</b> Derivable by CDM	Date of Birth of the patient
destination_of_discharge_hospital_provider_spell	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [19, 29, 30, 37, 40, 42, 48, 49, 50, 51, 52, 53, 55, 56, 66, 79, 84, 87, 88, 89, 98, 99, null] <b>Severity:</b> WARN	<a href="https://www.datadictionary.nhs.uk/data_elements/destination_of_discharge_hospital_provider_spell_.html">https://www.datadictionary.nhs.uk/data_elements/destination_of_discharge_hospital_provider_spell_.html</a>
discharge_destination_type	string		Type of discharge destination <a href="https://www.datadictionary.nhs.uk/data_elements/planned_destination_of_discharge_hospital_provider_spell_.html">https://www.datadictionary.nhs.uk/data_elements/planned_destination_of_discharge_hospital_provider_spell_.html</a>

column	type	notes	description
discharge_pathway	string	<b>Nullable:</b> False <b>Values:</b> [Pathway 0, Pathway 1, Pathway 2, Pathway 3, Unstated] <b>Severity:</b> WARN	Discharge pathway: <a href="https://www.nhs.uk/nhsengland/keogh-review/documents/quick-guides/quick-guide-discharge-to-access.pdf">https://www.nhs.uk/nhsengland/keogh-review/documents/quick-guides/quick-guide-discharge-to-access.pdf</a>
discharge_ready_date_hospital_provider_spell	timestamp	<b>Optional:</b> Derivable by CDM	<a href="https://www.datadictionary.nhs.uk/data_elements/discharge_ready_date_hospital_provider_spell_.html">https://www.datadictionary.nhs.uk/data_elements/discharge_ready_date_hospital_provider_spell_.html</a>
discharge_timestamp	timestamp		Timetamp of patient discharge from hospital
early_discharge_notification_timestamp	timestamp	<b>Optional:</b> Derivable by CDM	Timestamp of submission of a patient's early discharge notification (EDN)
encounter_id	string	<b>Foreign Key:</b> ccs-encounters-v2.encounter_id	Encounter
estimated_discharge_date	timestamp		Estimated timestamp of discharge
intended_management_code	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [1, 2, 3, 4, 5, 8, 9, null] <b>Severity:</b> WARN	<a href="https://www.datadictionary.nhs.uk/data_elements/intended_management_code.html">https://www.datadictionary.nhs.uk/data_elements/intended_management_code.html</a>
is_discharge_time_confirmed	boolean		Patient has confirmed discharge time
length_of_stay_days	int	<b>Optional:</b> Derivable by CDM	Time spent admitted
local_authority	string		The local authority responsible for the patient
master_delay_reason	string	<b>Optional:</b> Derivable by CDM	Primary Reason for a delay to a patients discharge
method_of_admission_hospital_provider_spell	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [11, 12, 13, 21, 22, 23, 24, 25, 2A, 2B, 2C, 2D, 31, 32, 81, 82, 83, 98, 99, null] <b>Severity:</b> WARN	<a href="https://www.datadictionary.nhs.uk/data_elements/method_of_admission_hospital_provider_spell_.html">https://www.datadictionary.nhs.uk/data_elements/method_of_admission_hospital_provider_spell_.html</a>
method_of_discharge_hospital_provider_spell	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [1, 3, 4, 5, 6, 7, 8, 9, null] <b>Severity:</b> WARN	<a href="https://www.datadictionary.nhs.uk/data_elements/method_of_discharge_hospital_provider_spell_.html">https://www.datadictionary.nhs.uk/data_elements/method_of_discharge_hospital_provider_spell_.html</a>
mrn	string	<b>Optional:</b> Derivable by CDM	Patient MRN
ncepod_urgency_code	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [01, 02, 03, 04, null] <b>Severity:</b> WARN	<a href="https://www.ncepod.org.uk/">https://www.ncepod.org.uk/</a> 01 Immediate, 02 Urgent, 03 Expedited, 04 Elective
needs_based_assessment_timestamp	timestamp	<b>Optional:</b> Derivable by CDM	Timestamp of submission of a patient's needs based assessment (NBA)

column	type	notes	description
nhs_number	string	<b>Optional:</b> Derivable by CDM	NHS number, National-level identifier for a patient <a href="https://www.datadictionary.nhs.uk/attributes/nhs_number.html">https://www.datadictionary.nhs.uk/attributes/nhs_number.html</a>
patient_classification_code	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [1, 2, 3, 4, 5, 8, null] <b>Severity:</b> WARN	<a href="https://www.datadictionary.nhs.uk/data_elements/patient_classification_code.html">https://www.datadictionary.nhs.uk/data_elements/patient_classification_code.html</a>
patient_id	string	<b>Foreign Key:</b> ccs-patient-v2.person_id	Patient
patient_name	string	<b>Optional:</b> Derivable by CDM	Name of patient
site_id	string	<b>Optional:</b> Derivable by CDM	The latest hospital site id to which patient was admitted
site_name	string	<b>Optional:</b> Derivable by CDM	The latest hospital site to which patient was admitted
specialty_id	string	<b>Foreign Key:</b> ccs-specialty.specialty_id	Specialty
specialty_name	string	<b>Optional:</b> Derivable by CDM	Specialty name
to_take_away_status	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [Draft, Review, Written, Problem, Screened, Ready, Issued, null] <b>Severity:</b> WARN	Status of a patient's To Take Away medications prescription.
to_take_away_status_timestamp	timestamp	<b>Optional:</b> Derivable by CDM	Timestamp of the most recent To Take Away update
waiting_area	string	<b>Optional:</b> Derivable by CDM	Binary y/n, if the patient is waiting to come in to wards
ward	string		The latest ward to which patient was admitted
ward_intended_clinical_care_intensity	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [51, 52, 53, 61, 62, 63, 41, 43, 42, 33, 32, 31, 21, 22, 81, 11, 12, 13, null] <b>Severity:</b> WARN	<a href="https://www.datadictionary.nhs.uk/data_elements/ward_intended_clinical_care_intensity.html">https://www.datadictionary.nhs.uk/data_elements/ward_intended_clinical_care_intensity.html</a>

## Table: patient

**Full table name:** ccs-patient-v2

**Primary Key:** person\_id

**Description:** A person with a specific disease or condition who received treatment from the trust, or any registrable birth:

<https://www.datadictionary.nhs.uk/classes/patient.html>. The patient table at minimum should contain details on patients who are on the trust Elective Admission List or Outpatient Waiting List, as well as patients who were previously on the Elective Admission List or Outpatient Waiting List but have now been removed. This information is required to support users in identifying patients on waiting lists as well as booking them into theatre sessions.

column	type	notes	description
address_line_1	string		Patient address line 1
address_line_2	string		Patient address line 2
age	bigint	<b>Optional:</b> Derivable by CDM	Patient age (years)
date_of_birth	date		Date of birth
date_of_death	date		Date of death (null if the patient is not deceased)
deceased	boolean	<b>Optional:</b> Derivable by CDM	true if the patient is deceased
first_name	string		First name
full_name	string	<b>Optional:</b> Derivable by CDM	Last Name, First Name
gender_identity	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [Male, Female, Non-binary, Not stated, Unknown, Other, null] <b>Severity:</b> WARN	The individual's perception of their own gender. In some cases, this may not be the same as the patient's registered birth gender, or their current administrative gender.
mrn	string		Medical record number/hospital number
next_of_kin_name	string	<b>Optional:</b> Derivable by CDM	Next of kin name
next_of_kin_number	string	<b>Optional:</b> Derivable by CDM	Next of kin contact number
nhs_number	string		NHS number, National-level identifier for a patient <a href="https://www.datadictionary.nhs.uk/attributes/nhs_number.html">https://www.datadictionary.nhs.uk/attributes/nhs_number.html</a>
person_id	string	<b>Primary Key:</b> person_id	ID, a unique identifier for each patient
phone_number	string		Patient primary phone number
postcode	string		Patient postcode
registered_gp	string		GP Practice address where the patient is registered

column	type	notes	description
sex	string		Patient Sex (Male/Female/Indeterminate)
surname	string		Surname
title	string		Mode of address for this patient (e.g. (Mr, Mrs, Ms, Dr)

## Table: test\_results

**Full table name:** test\_results

**Primary Key:** test\_result\_id

**Description:** Tests and test results ('clinical investigations') related to the in-scope outpatient activity. This is used to allow clinical teams to use test results in their patient decision-making and alerting. For OPTICA, only Covid test results are needed for current and past admissions.

column	type	notes	description
attendance_id	string	<b>Foreign Key:</b> ccs-appointment.attendance_id <b>Optional:</b> Derivable by CDM	Attendance ID at which the test was performed
expiry_date	timestamp	<b>Optional:</b> Derivable by CDM	Date of test expiry. This can be null if the test has no expiry date.
patient_id	string	<b>Foreign Key:</b> ccs-patient-v2.person_id	patient ID for the subject of the test
test_date	timestamp		Date the test was taken
test_id	string	<b>Optional:</b> Derivable by CDM	Standardised test code. This can be either SNOMED or ICD10.
test_name	string		String name of test (e.g. Free T4 Level, blood or Platelet count, blood, Covid). Only Covid test results are needed for OPTICA, and must be called "Covid positive".
test_result_id	string	<b>Primary Key:</b> test_result_id	ID for the test result
test_value_type	string	<b>Optional:</b> Derivable by CDM <b>Values:</b> [DoubleType, StringType, null] <b>Severity:</b> WARN	Indicates the data type of the test result value
unit	string	<b>Optional:</b> Derivable by CDM	Unit of measurement for the value of the test (e.g. mL/L)
value	string		Value of test result (e.g. 102, Target not detected, positive/negative). Must be a Yes/No for OPTICA.
value_double	double	<b>Optional:</b> Derivable by CDM	Double version of value

## Table: patient\_status

Full table name: patient\_status

Primary Key: status\_id

**Description:** Observed patient statuses during an admission relating to aspects of a subjects clinical care (e.g. criteria to reside, enhanced care, frailty status). The minimum scope of this data is a history of responses to a patient's criteria to reside status for each admission. This is equivalent to a history of the discharge ready dates [https://www.datadictionary.nhs.uk/nhs\\_business\\_definitions/discharge\\_ready\\_date.html](https://www.datadictionary.nhs.uk/nhs_business_definitions/discharge_ready_date.html)

column	type	notes	description
status_id	string	<b>Primary Key:</b> status_id	A unique key for the patient status
admission_id	string	<b>Foreign Key:</b> admission.admission_id	A unique key for the admission
status	string	<b>Values:</b> [Yes, No, positive, negative, null] <b>Severity:</b> WARN	A value for the patient status. For statuses of type Meets the criteria to reside, Frailty Status, Enhanced Care, Safeguarding Concern, the status should be Yes/No. For statuses that represent test results such as MRSA, Covid19, the status should be positive/negative. More statuses can be added if considered useful for operations.
source	string		The origin of this status (PAS, OPTICA, etc)
timestamp	timestamp		Timestamp of status update
comment	string		Comment to be associated with the latest version of patient Status
type	string	<b>Values:</b> [Meets the criteria to reside, Frailty Status, Enhanced Care, Safeguarding Concern, MRSA, Covid19, null] <b>Severity:</b> WARN	The long name of the status this entry refers to. For criteria to reside statuses (mandatory for OPTICA), the type should be recorded as 'Meets the criteria to reside'. More types can be added if considered useful for operations. The other allowed values are not mandatory for OPTICA (Frailty Status, Enhanced Care, Safeguarding Concern, MRSA, Covid19).
patient_id	string	<b>Foreign Key:</b> ccs-patient-v2.person_id	Patient ID for the subject of the status



## Table: care\_package

**Full table name:** care-package

**Primary Key:** CQC\_id

**Description:** Contains information about the care home a patient is directed to when discharged. This information is directly pulled from the public API - <https://api.cqc.org.uk/public/v1>. This table is for reference only and no mapping to a source system is needed.

column	type	notes	description
CQC_address1	string		Care home postal address line 1
CQC_address2	string		Care home postal address line 1
CQC_contacts	string		Care home array of names for main contacts on site (e.g. General Manager)
CQC_county	string		Care home county
CQC_current_ratings	string		Latest care home overall rating (e.g. Good, Requires improvement)
CQC_id	string	Primary Key: CQC_id	ID, a unique identifier for each admission
CQC_local_authority	string		Care home local authority
CQC_main_phone_number	string		Care home main phone number
CQC_name	string		Care home name
CQC_postcode	string		Care home postal code
CQC_registration_date	string		Care home registration date
CQC_registration_status	string		Care home registration status
CQC_regulated_activities_name	string		Array of activities conducted in care home (e.g. Nursing care, Diagnostic and screening procedures, Maternity and midwifery services)
CQC_town_city	string		Care home city or town
CQC_website	string		Care home website