CSO COVID-19 DATA RESEARCH HUB

SUMMARY DATA PROTECTION IMPACT ASSESSMENT (1204)

An Phríomh-Oifig Staidrimh

Central Statistics Office

Contents

CONTEXT

The Central Statistics Office (CSO) is Ireland's National Statistical Institute and the functions of the Office are to collect, analyse and make available statistics describing Ireland's people, economy, society and environment through verifiable data and accurate information, while providing impartial insight. Our statistical products are freely accessible, and our outputs are a public good; our work complies with the highest international standards for the compilation of Official Statistics and we are legally obliged, and therefore guarantee, to only ever use data provided to us for statistical purposes. By act of law, no information provided to the CSO for statistical purposes may be shared in a personally identifiable format with any third party. This assurance underpins everything we do.

The legal basis directing the work of the CSO is set out in domestic legislation through the Statistics Act, 1993, while our activities as a National Statistical Institute under the European Statistical System (ESS) are regulated by EU Regulation 223/2009, as amended by EU Regulation 759/2015. These statutes underscore the fundamental principles of independence and data subject confidentiality, which are the bedrock of the production of Official Statistics in the European Union. The CSO produces Official Statistics for Ireland and co-ordinates the production of Official Statistics compiled by other public authorities.

At national level, CSO Official Statistics inform decision-making across a range of areas including construction, health, welfare, the environment and the economy. At European level, they provide an accurate picture of Ireland's economic and social performance and enable comparisons between Ireland and other countries.

The CSO's statistical expertise may be leveraged, consistent with data protection and other relevant law as may apply, to inform and support the Government, government agencies and offices in their response to key issues of public importance, but only consistent with the fundamental obligations of confidentiality and independence inherent in the mandate of the Office. The Director General of the CSO has sole responsibility for, and is independent in the exercise of, the functions of deciding the methodology, professional standards, content, timing and mechanisms for statistical releases and publications.

The following Summary DPIA sets out the legal basis and public policy rationale for the CSO to provide approved researchers from registered research organisations with access to specified flows of pseudonymised COVID-19 health-related personal data in support of Ireland's public health response to the COVID-19 pandemic.

The purpose for the processing of the data flows set out in this DPIA is to provide a secure, data protection compliant repository of pseudonymised public health data sets, for use by the CSO, epidemiologists and other approved health analysts involved in advising on Ireland's public health response to the COVID-19 pandemic and informing the public regarding the evolution of the pandemic health situation in Ireland. It sets out the key regulatory and governance arrangements applying to this statistical exercise, in order to protect the personal data rights of data subjects and to ensure compliance with the Statistics Act, 1993 and applicable Data Protection law. The CSO has consulted with the Office of the Data Protection Commissioner in relation to this statistical processing. The related transparency notice is available here:

https://www.cso.ie/en/methods/tn/covid-19dataresearchhub/.

PROCESSING OVERVIEW

Prior to the COVID-19 pandemic, Ireland did not have an established standard mechanism or structure to facilitate statistics-based health research, in particular where data was being used from a variety of diverse sources. It quickly became apparent from the commencement of the COVID-19 pandemic that such a secure, data protection compliant environment for controlled statistical analysis by epidemiologists and other approved researchers would be required to support the Irish public health response.

Public health data falls into a specific category of personal information that requires exacting data protection, access controls and processing security, as provided for under Article 9 of the General Data Protection Regulation (GDPR), and as further set out in the Data Protection Act 2018 and the Health Research Regulations 2018 (SI 314 of 2018). The CSO is the National Statistical Institute for Ireland. Given its legal status and the existing technical and statistical structures in place for the secure processing of large volumes of data, including special category data, the Office was identified as the appropriate organisation to lead the rapid development of such a mechanism. Furthermore, CSO Officers of Statistics are subject to personally, as well as organisationally, binding legal obligations of confidentiality, attaching to the processing of data, both personal and non-personal, for statistical purposes.

A solution was developed in agreement between each of the key stakeholders, the Health Service Executive (HSE), Department of Health and the CSO, and in consultation with the Office of the Data Protection Commissioner. This document, which should be read in conjunction with DPIA 1156 concerning the CSO COVID-19 Data Hub, sets out the rationale, the approach and the legal bases on which COVID-19 related health data is being processed via the CSO to inform the public health response to the pandemic during its emergency phase and the longer term management of COVID-19 in our society.

DPIA 1156 in respect of the CSO COVID-19 Data Hub sets out a comprehensive overview of the processing associated with the immediate public health response requirements of the pandemic. This summary DPIA 1204, in respect of the CSO COVID-19 Data Research Hub, addresses the extension of processing to include research proposals from research institutes and affiliated researchers wishing to leverage COVID-19 data to provide further and enhanced insight and understanding into the scientific dynamics of the pandemic and the management of the virus in Ireland. As such, it builds upon and should be read in conjunction with the processing set out in DPIA 1156, with the addition here of detailed illustration of the extensive additional safeguards and protections developed to ensure that this further processing can be carried out securely, subject to appropriate scientific and governance oversight, fully vindicating the data protection and privacy rights of data subjects.

In summary, defined HSE data flows (listed at Appendix 1) are transferred to the CSO using advanced secure and encrypted transmission methods. This data is received in the CSO by a dedicated business unit called the Administrative Data Centre (ADC), which is a specialist team responsible for decrypting, processing, pseudonymising and storing the records in a format accessible for statistical analysis (hereafter termed the statistical datasets). Access to the HSE raw data is confined to a limited number of ADC staff for processing purposes only. Specific detail on the technical aspects and methods used to process the data within the CSO is not outlined in this summary DPIA for operational and security reasons but has been included in the internal use operational DPIA and shared with the Office of the Data Protection Commissioner.

In the pseudonymisation process, all direct identifiers such as names and addresses are removed by CSO. Additionally, once in receipt of HSE data, the CSO converts the identifier numbers in each dataset that remain to a Protected Identifier Key (PIK). PIKs are unique and non-identifiable numbers which are internal to the CSO. Using PIKs enables the CSO and approved researchers to link and analyse data for statistical purposes, while protecting the security and confidentiality of the individual data.

All access requests for analysis purposes are with respect to pseudonymised data only. Descriptors of data flows and datasets involved are registered on the internal ADC Data Portal, though the data itself is neither viewable nor accessible from this Portal. Approved CSO statisticians may make an application for access for defined statistical purposes, as may approved epidemiologists/researchers who have been appointed as Officers of Statistics pursuant to a Section 11 agreement governing co-operation and liaison with other public authorities and persons, under either Section 20(b) or of the Statistics Act, or under Section 20(c) of the Act, whereby persons may be authorised in writing by the Director General to perform, for a specified period, particular statistical analysis which necessitates access to data collected under the Act. In the case of Researchers applying for Officer of Statistics status under Section 20 (c) of the Statistics Act, a bespoke authorisation process necessary to establish the clinical bona fides of their research is required under the Health Research Regulations 2018, SI No.314 of 2018. No application will be approved by the CSO in the absence of this approval, which involves a three pronged process involving the Research Ethics Committee of the relevant research establishment and the recommendation and approval of the Research Data Governance Board and the Health Research Consent Declaration Committee

respectively. This process is illustrated in detail here:
https://www.hrb.ie/fileadmin/1._Non-plugin_related_files/HIE_files/2021_HIE/RDGB/Access_Covid_19_Data_for_Research_Flowchart.pdf.

In all cases, Officers of Statistics are bound by the stringent confidentiality obligations provided for under Part V of the Act at sections 32 to 34.

For Officers of Statistics who are not staff of the Central Statistics Office acting under the direction of the Director General, access to the statistical datasets, if approved, is controlled via a secure read-only CSO access mechanism, the Researcher Data Portal (RDP). The Researcher Data Portal operates under the control of the Office's Researcher Coordination Unit (RCU). Researchers access the CSO RDP via a Citrix connection, which uses two factor authentication as well as a unique username and a password, which must be reset at time of first login. The microdata at all times remains on a CSO server. Copying or removal are prohibited; Access Control Lists are used, and subject to systematic oversight and review. Only final output records are available for further use, and these outputs are subject to detailed Statistical Disclosure Control (SDC) oversight by designated CSO statisticians. The term Research Microdata File (RMF) is used to describe such pseudonymised statistical datasets. More information about the RCU and RMF mechanism are available here.

The CSO operates in compliance with Article 32 of the GDPR, regarding security of processing, and, having regard to the Office's state of the art technology, costs of implementation, and the nature, scope, context and purposes of processing, operates a stringent regime of technical and organisational measures to ensure a level of security and data protection appropriate to the sensitivity and personal nature of the records concerned. Suitably processed versions of these data, presented in pseudonymised RMF format, are collated for use by approved researchers, subject to the multi-lateral approvals processes set out in this DPIA.

ROLES AND RESPONSIBILITIES

The principal role holders for the COVID-19 Data Research Hub are the RCU, CSO Statistican(s) and approved Researchers affiliated with registered Research Organisations which have been rigorously assessed and sanctioned for access to the RMF process. Information in individual data flows received by the CSO is safely receipted by the Office. Individual personal information will never be shared; only aggregate outputs will be accessible beyond a strictly delimited cohort of authorised CSO staff, whose specific role is to prepare pseudonymised data

sets for use by approved personnel and researchers, safeguarding the security and confidentiality of administrative data gathered by the Office for statistical purposes. The underlying data, once received by the CSO, never leaves the Office and access to the pseudonymised data sets (RMFs) is possible only via a secure access-controlled portal, with full traceability.

Research projects will involve statistical and geospatial analysis of the agreed RMF datasets. No directly identifiable data relating to individuals will be made available to researchers, and no identifiable data can be made available to any stakeholders or other persons by the project team under Section 34 of the Statistics Act. RMFs are not statistical products. Unlike statistical products which relate to aggregated statistical analysis, RMFs are not published or made available to the general public.

The attached flowchart illustrates the path of an application for access to COVID-19 here. The researcher, in the centre of the five "swim lanes", is responsible for driving the process. This is illustrated in the actions where the researcher submits their application to the Research Data Governance Board (RDGB), the sponsoring Institution's Research Ethics Committee (REC) and the overarching Health Research Consent Declaration Committee (HRCDC). The RDGB will convene to assess the application against agreed criteria, before being in a position to confirm for the CSO that the application is for an eligible health research project and is in-scope as a COVID-19 project. Following a positive recommendation by the RDGB, and if the researcher provides evidence to the RDGB of approval from the REC and HRCDC, the application will be forwarded to the CSO for final approval using the RMF process. All of the necessary protocols and safeguards to ensure compliance and best practice under the Statistics Act, the Data Protection Act/Health Research Regulations are purposely integrated into this integrated, collaborative process.

STAKEHOLDER ENGAGEMENT

The CSO was invited to become involved in this project by the National Public Health Emergency Team (NPHET), the Department of Health (DoH) and the HSE. The reactive nature of the official response to the COVID-19 pandemic meant that there were no time or resources available for direct consultation with data subjects. In order to ensure the highest data protection standards, the CSO, DoH and HSE consulted with Data Protection Commissioner's Office and shared the full Data Protection Impact Assessment (DPIA).

In 2020, the Health Information and Quality Authority (HIQA), in partnership with the Department of Health and the HSE, conducted a National Public Engagement Survey on Health Information which was completed in December 2020. The survey asked 1,200 members of the public for their feedback on how their personal health information is collected, used and shared by health and social care services in Ireland and their opinions on the use of digital technologies in this area. The survey found that over 90% of the Irish public think that it is important that health information is used for research purposes.

SCOPE OF PROCESSING

The scope of processing means what datasets are concerned, what variables they contain, whose data is concerned, how is it processed and for how long it will be retained.

What Data is Being Received?

The relevant data sets currently being processed are set out at Appendix 1, while the relevant variable listing is contained at Appendix 2. The datasets contain a combination of personal and non-personal data, some of which is already anonymised on receipt by the CSO.

The selection of appropriate data sources to be processed for the present purpose was guided by recommendations from NPHET and DoH, while in line with law, the final decision resides with the Director General of the CSO.

Within the personal data received, some variables are deemed "special category" under the General Data Protection Regulation (GDPR), Article 9. Special category data is personal data, including health-related data, that attracts additional protection under GDPR because of its sensitive nature.

The primary legal basis for the processing of personal but non special category data derives from Article 6 GDPR, specifically Article 6(1)(c) and 6(1)(e) – the former addressing processing carried out in compliance with a legal obligation to which the controller is subject (production of Official Statistics) and processing being necessary for a task carried out in the public interest or in the exercise of official authority vested in the controller.

The special category health data affected by this DPIA is being processed using legal provisions permitted under the General Data Protection Regulation Article 9(2)(i) – public interest in the area of public health and Article 9(2)(j) – processing is necessary for statistical purposes in accordance with Art 89(1) GDPR. Processing of personal health data as contained in the COVID-19 Data Flows is also permitted under Sections 53 and 54(c) of the Data Protection Act 2018. Processing of personal health data as contained in the COVID-19 Data Flows is also permitted under Sections 53 and 54(c) of the Data Protection Act 2018.

Whose data is it?

Records received or to be received by the CSO include data relating to those assessed for COVID-19 testing, referred for testing; confirmed positive for COVID-19; identified as close contacts of COVID-19 confirmed cases; admitted to hospital for COVID-19 related treatment, associated ICU cases and related care tracking, plus vaccinations records.

Note: as at August 2021, no Vaccinations data has been received by the CSO and no agreement is yet in place for these transmissions to commence.

The flow of records to the CSO was disrupted by the Cyber Security Incident in May 2021 and has yet to be reinstated in full.

The data covers the population within the geographical area of the Republic of Ireland.

How is it processed?

Section A (below) covers internal use in CSO
The health data is received by the CSO's Administrative Data Centre (ADC), using secure and encrypted transmission methods. The ADC team then decrypt, process, pseudonymise and store the data in a format suitable for statistical analysis – see page 4 for a detailed description of the pseudonymisation process. The resultant pseudonymised statistical datasets are catalogued on the CSO ADC portal and made available for analysis purposes, subject to case by case validation of requests for access.

Section B (below) covers use by researchers of RMF datasets
Data is made available to approved external researchers working on COVID-related outputs by the RCU via the RDP. External researchers from approved organisations are appointed Officers of Statistics by the CSO under Section 20(c) of the Statistics Act, 1993 for the duration of their research.

All research applications are reviewed by RDGB and require REC approval and a consent declaration from the HRCDC before, if approved, being forwarded to CSO for consideration. The RGDB, HRCDC and REC applications are independent and separate processes, reviewing the research from different perspectives.

Only researchers who are employed by, or formally related to, a registered research organisation are eligible to apply for access to RMFs. Research organisation registration establishes two roles:

- Senior Representative, i.e. someone with the authority to make commitments on behalf of the organisation, e.g. managing director, president, university chancellor or similar; and

- RMF Contact, i.e. a person designated by the Senior Representative, who will be in charge of coordinating RMF project applications.

When registered, a researcher can then apply for access to an RMF. The RMF Application Form is completed by a project's lead researcher and captures information used for administrative purposes, information on the research project being applied for, information on the researcher's experience and competency in relation to the application of statistical disclosure control (SDC) as well as information on the physical security measures in place at the location from where the researcher will carry out their research. SDC refers to methods that allow the dissemination of statistical information while ensuring that an individual's personal data are protected against disclosure. Should a researcher's application be approved, the researcher would, on completion of further steps detailed in the RMF process flowchart (linked earlier in this DPIA on page 5), gain access to pseudonymised data only.

The outputs resulting from analysis of the microdata can only be exported from the RDP with CSO approval which is granted in accordance with CSO Statistical Disclosure Control (SDC) policy. The RDP is locked-down (no import or export possible without approval) and no internet access is possible within the RDP.

What is the Data Retention policy?

By agreement between the CSO, DoH and the HSE, the CSO will conduct a post-pandemic review which may make certain recommendations regarding the duration of the data storage of COVID-19 related data sources. In light of the pandemic-related exigencies of this data processing exercise, the over-riding priority will be to ensure that no data is kept for longer than is necessary for the purposes for which it was collected. This is in line with the European Data Protection Board guidance 03/2020 (section 5.3, page 10), which is that data in this category shall only be processed as long as it is both necessary and proportionate to do so.

[1]The term "Research Organisation" refers to organisations whose primary focus is on research and also to organisations which have research units but where the organisation's principal activity is not research.

CONTEXT OF PROCESSING

The context for this processing operation is heavily influenced by the emergency nature of the present public health crisis. Data for analysis and decision making is required to be processed swiftly and as efficiently as possible, whilst remaining compliant with law, including in respect of the necessity and proportionality of the processing.

In processing administrative data , the CSO acts under Article 6(e) of GDPR - task carried out in the public interest or in the exercise of official authority vested in the Controller (Statistics Act, 1993), while in respect of special category data such as applicable here, it is acting under Article 9(2)(i) – public interest in the area of public health and Article 9(2)(j) – processing is necessary for statistical purposes in accordance with Article 89(1) of GDPR. No alternative sources of this data are available and the data is available only in the current format, due to the ongoing operational emergency.

The CSO is currently engaged with all registered users of this data to compile a detailed Data Necessity and Proportionality Assessment (DNPA). This exercise will identify which specific datasets within each data flow are being actively used by each user and whether any, on balance and having regard to the rights of data subjects, may be deemed either not necessary or proportionate. At a later stage, this exercise will be repeated at a variable level. It is expected that this will be completed within a year. For completeness, we are including all COVID-19 data flows in this exercise, including those which do not contain personal data. In the interim, any direct personal identifiers received are securely pseudonymised on receipt as described previously in this DPIA and none is ever available for statistical analysis.

All CSO activities are undertaken in the context of the Statistics Act, 1993. All staff dealing with the health data are appointed as Officers of Statistics under Section 20 of this Act and operate under strict obligations of confidentiality, including signing the Declaration of Secrecy specified under Section 21 of the Statistics Act, 1993.

[2]The term "Research Organisation" refers to organisations whose primary focus is on research and also to organisations which have research units but where the organisation's principal activity is not research.

LEGAL COMPLIANCE AND DATA PROTECTION

Extensive legal protections exist to govern access to, and use of, personal data, defined at Article 4(1) GDPR, data concerning health set out under Article 4(15) GDPR, and special categories of personal data as addressed by Article 9 GDPR. Data controllers and data processors are required to comply with their legal obligations, both under the GDPR and as set out in applicable national legislation. The Office of the Data Protection Commissioner exercises oversight and regulatory authority for compliance with these data protection requirements and has been consulted in the preparation of this DPIA.

At this time, no applicable approved Codes of Conduct, as provided for under Section 5 GDPR apply, however, the European Statistics Code of Practice is a possible code of practice that may be approved in the future by the Data Protection Commission, European Data Protection Board (EDPB) and European Commission (as the code is EU wide). The CSO adheres both to the European Statistics Code of Practice (Regulation 223/2009 on European statistics)

https://ec.europa.eu/eurostat/web/quality/european-statistics-code-of-practice and the Irish Statistical System Code of Practice. https://www.isscop.ie/. The CSO also adhere to the United Nations Fundamental Principles of Official Statistics - see https://unstats.un.org/unsd/dnss/gp/fundprinciples.aspx

In addition to the foregoing, all ADC and RCU staff sign up to, and abide by, the CSO Data Management Policy as approved by the Office's Confidentiality and Data Security Committee (CDSC). Stringent confidentiality rules apply under the Statistics Act to all staff of the CSO, who are designated as Officers of Statistics under Section 20(a) of the Statistics Act, 1993. All RMF researchers are designated as Officers of Statistics as per Section 20(c) of the Statistics Act, 1993 and abide by the rules and protocols with respect to researcher access to data. All RMF researchers agree to carry out research in accordance with the RMF Policy:

https://www.cso.ie/en/aboutus/lgdp/csodatapolicies/dataforresearchers/policies/

The COVID-19 Data Transparency Notice, linked below, provides information on the nature of the collaboration between the CSO, HSE and DoH and is available on the CSO website. This Notice outlines the COVID-19 related data being processed and analysed on behalf of the HSE and DoH in response to the pandemic. The Notice also states that this data processing and analysis is taking place in accordance with the Statistics Act, 1993, with the written permission of the Minister for Health and consistent with the provisions of the GDPR and the Data Protection Act 2018.

The CSO will be the Data Controller for this COVID-19 data as long as it is stored in the CSO. The organisation that employs the researcher is the data controller of the research study for which the COVID-19 RMFs are being used. Researchers are deemed to be data processors in respect of their individual projects.

COVID-19 Data Research Hub Landing Page:

https://www.cso.ie/en/aboutus/lgdp/csodatapolicies/dataforresearchers/covid-19dataresearchhub/

COVID-19 FAQs:

https://www.cso.ie/en/aboutus/lgdp/csodatapolicies/dataforresearchers/covid-19dataresearchhub/faqs/

COVID-19 Data Transparency Notice:

https://www.cso.ie/en/methods/tn/covid-19data/

COVID-19 Data Research Hub Transparency Notice:

https://www.cso.ie/en/methods/tn/covid-19dataresearchhub/

Rights of the Data Subject
Articles 15 to 22 GDPR provide for specific Data Subject rights. Certain derogations may apply, for example where data is processed for scientific research or statistical purposes, but these derogations are subject to strict conditions. These rights and any related derogations as they apply to the present data processing are set out here:

Article 15 – Right of Access by the Data Subject
All data on the COVID-19 Data Research Hub are pseudonymised and therefore personal data cannot be identified in this location. A right of access to the COVID-19 data flows, relevant to the COVID-19 Data Research Hub and

containing personal data is possible.

Article 15 of the GDPR provides a right of access by the data subject. Article 89 (2) GDPR provides that where personal data are processed for scientific or historical research purposes or for statistical purposes, this right of access may be derogated from in so far as such a right is likely to render impossible or seriously impair the achievement of the specific purposes for processing, where the derogation is necessary for the fulfilment of this purpose.

This COVID-19 data is being processed and analysed to assist in the development of the official Government response to the pandemic and to provide timely public insight into the evolution of the pandemic. Significant ADC staff resources are required to process this data within a short timeframe and to make it available for statistical analysis. Acceding to access requests could result in a delay in processing and impact on the effectiveness of the Government's response to the pandemic. Applications for access will be assessed on a case-by-case basis, however it is the intention of the Office to vindicate this right wherever possible.

Article 16 - Right to Rectification

The data analysis in response to this pandemic requires records of the affected population as documented at HSE level to be included, to achieve the best quality analysis. Using the best available evidence and data to guide public health and health systems decisions is integral to an effective and efficient response in public health emergencies. Due to the statistical and research purposes of the COVID-19 data being processed, and the risk that the exercise of this right could render impossible or seriously impair the achievement of the specific purposes, the CSO proposes to invoke the permissible derogation to Article 16 provided for under Article 89(2) GDPR.

Article 17 – Right to Erasure

The data analysis in response to this pandemic requires all records of the affected population to be included to achieve the best quality analysis. Using the best available evidence and data to guide public health and health systems decisions is integral to an effective and efficient response in public health emergencies. Due to the statistical and research purposes of the COVID-19 data being processed and the risk that the right to erasure could render impossible or seriously impair the achievement of the specific purposes, the CSO proposes to invoke the permissible derogation to this right under Article 17(3)(d) of GDPR.

Article 18 - Right to Restriction of Processing

The data analysis in response to this pandemic requires all records of the affected population to be included to achieve the best quality analysis. Using the best available evidence and data to guide public health and health systems decisions is integral to an effective and efficient response in public health emergencies. Due to the statistical and research purposes of the COVID-19 data being processed and the risk that the exercise of this right could render impossible or seriously impair the achievement of the specific purposes, the CSO proposes to invoke the Article 89(2) derogations to this right. The right of restriction of processing is further invoked under Section 61(2) of the Data Protection Act, 2018.

Article 19 – Notification obligation regarding rectification or erasure of personal data or restriction of processing

In light of the CSO's proposal to invoke derogations permissible where processing is for statistical or scientific research purposes in relation to Article 16, 17(1) and 18 rights, this Article does not apply.

Article 20 – Right to Data Portability

The right to portability does not apply to processing necessary for the performance of a task carried out in the public interest or in the exercise of official authority vested in the controller, as is the case here, per Articles 17(3)(c) and 20(3) GDPR.

Article 21 – Right to Object

The data analysis in response to this pandemic requires all records of the affected population to be included to achieve the best quality analysis. Using the best available evidence and data to guide public health and health systems decisions is integral to an effective and efficient response in public health emergencies. Due to the statistical and research purposes of the COVID-19 data being processed and the risk that the right to object could render impossible or seriously impair the achievement of the specific purposes, the CSO proposes to invoke the derogation to this right provided for under Article 21 (6).

Article 22 – Automated individual decision making, including profiling

As the operation of the Statistics Act, 1993 provides that the present data may be processed for statistical purposes only, no automated individual decision making or profiling is permissible, by law.

SAFEGUARDS AND RISK ASSESSMENT

Legislative Safeguards

Data access is restricted to approved researchers who are appointed as Officers of Statistics under Section 20(c) of the Statistics Act, 1993. This appointment is granted for a specific period only and researchers must request a renewal of their access should they require same beyond the initial period granted.

Officers of Statistics are bound by Sections 33 and 7 of the Statistics Act, 1993

- Section 33 prohibits the disclosure of information obtained under the Act which can be related to an identifiable person or undertaking
- Section 7 provides that all information provided to the CSO before the commencement of the Statistics Act, 1993 either voluntarily or in compliance with orders made under the previous legislation are subject to the same protection and provisions as if such information was collected under the Statistics Act, 1993

Governance Safeguards
Governance safeguards apply to all CSO staff both permanent and temporary.

Specific safeguards re COVID-19 Health Data

1. All COVID-19-related data containing personal identifiers or Special Category data must be received and registered via the CSO Administrative Data Centre (ADC)

2. Identity variables are separated at the earliest possible stage in the data processing following receipt in the CSO

3. If all steps in the relevant internal approvals processes are complied with, then access to the identified datasets only will be granted for a maximum of one year

4. Every 6 months, registered users are required to certify that they still require access to the data and are compliant with CSO Data Management Policy

5. ADC is informed by Human Resources of all staff changes, with access by staff who leave the CSO or whose roles have changed removed promptly

6. All registered users of each ADC dataset are identified on the ADC Portal

7. Access lists are regularly reviewed to ensure that access is restricted to the fewest possible number of staff

8. As specified in the CSO Data Management Policy, A1 (personally identifiable) data must not be shared between any business areas of the CSO

RESEARCH DATA GOVERNANCE BOARD (RDGB)

The RDGB has been established as an additional safeguard in the process to act as a central point for application receipt, screening, review and prioritisation of all requests to access data in the COVID-19 Data Research Hub. It is an independent body established jointly by the Health Research Board (HRB) and the CSO in close collaboration with the Department of Health (DOH) in Ireland. Members of the RDGB are appointed jointly by the HRB and the CSO based on their complimentary skills, expertise and experience deemed most relevant for making robust decisions and considering gender balance as well as the geographical spread.

The RDGB oversees a transparent process to facilitate secure and controlled access to the data for the purposes of conducting statistical analysis to facilitate research. Only applications that have been approved by the RDGB and where evidence of Research Ethics Committee (REC) approval and Health Research Consent Declaration Committee (HRCDC; www.hrcdc.ie) approval is received by the RDGB will be recommended to the CSO. The CSO will issue final approval for access to relevant COVID-19 health data. The data available to researchers will be limited to datasets provided to CSO in the context of the written approval by the Minister for Health.

HEALTH RESEARCH CONSENT DECLARATION COMMITTEE

Researchers are required to have a declaration from the HRCDC when personal data is processed but where obtaining the explicit consent of the data subject is neither possible nor practicable. The HRCDC was established as part of the Health Research Regulations made under the Data Protection Act, 2018 and allows for use of personal data for health research that is of high public importance, and where obtaining consent from the research participant is not possible. A consent declaration shall only be made by the HRCDC for a research study when it is

satisfied that all the data protection safeguards and technical and organisational measures have been met, and the public interest in carrying out the health research significantly outweighs the public interest in requiring the explicit consent of the individual who owns the personal data. For more information, please visit www.hrcdc.ie.

RMF Researchers

Governance safeguards apply to all RMF researchers. Applications for RMF access are accepted only from eligible researchers from registered research organisations.

Access to RMFs will only be given when:

a) The RMF Standard Agreement has been signed on behalf of the research organisation;

b) Each researcher specified in the Agreement has signed their acceptance of the Terms and Conditions of this Agreement;

c) Each researcher has signed the Declaration of Secrecy under Section 21 of the Statistics Act, 1993; and

d) Each researcher has been appointed an Officer of Statistics by the Director General of the CSO under Section 20(c) of the Statistics Act, 1993.

All RMF researchers must complete an RMF training course provided by CSO, a reinforcement of the terms and conditions of the RMF Standard Agreement to which researchers agree to abide. Failure to comply with the protocols, terms and conditions specified in the standard agreement may have implications for the individual and the organisation/institute for whom they work. These sanctions may include but are not limited to:

a) Termination of the individual's appointment as an Officer of Statistics;

b) Requirement to return and/or cease using all information provided by the CSO;

c) Corresponding sanctions in relation to the organisation/institute and other RMF researchers in that organisation/ institute; and

d) Denial of future requests for RMF research access.

The CSO reserves the right to apply other sanctions, up to and including prosecution under the Statistics Act, 1993, where appropriate.

All researcher outputs are checked by the data custodian in the CSO and must be compliant with CSO's Statistical Disclosure Control policy.

Physical and IT Related Safeguards

Access to RMFs will only be given when:

a) The RMF Standard Agreement has been signed on behalf of the research organisation;

b) Each researcher specified in the Agreement has signed their acceptance of the Terms and Conditions of this Agreement;

c) Each researcher has signed the Declaration of Secrecy under Section 21 of the Statistics Act, 1993; and

d) Each researcher has been appointed an Officer of Statistics by the Director General of the CSO under Section 20(c) of the Statistics Act, 1993.

All RMF researchers must complete an RMF training course provided by CSO, a reinforcement of the terms and conditions of the RMF Standard Agreement to which researchers agree to abide. Failure to comply with the protocols, terms and conditions specified in the standard agreement may have implications for the individual and the organisation/institute for whom they work. These sanctions may include but are not limited to:

a) Termination of the individual's appointment as an Officer of Statistics;

b) Requirement to return and/or cease using all information provided by the CSO;

c) Corresponding sanctions in relation to the organisation/institute and other RMF researchers in that organisation/ institute; and

d) Denial of future requests for RMF research access.

The CSO reserves the right to apply other sanctions, up to and including prosecution under the Statistics Act, 1993, where appropriate.

All researcher outputs are checked by the data custodian in the CSO and must be compliant with CSO's Statistical Disclosure Control policy.

IT Related

In 2019, the CSO was audited against and passed the European Statistical System IT Security Framework.

CSO technology, in facilitating secure access to microdata, is in keeping with best practice internationally. CSO has a secure remote access system in place for access to RMFs as well as an application process which involves researcher and research organisation registration before an application for access to RMF data will be considered. The secure remote access Researcher Data Portal (RDP)) is a locked-down Citrix system from which no data can be extracted without the approval of CSO. The RDP was developed under the headings of the Five Safes:

- Safe Projects (RMF approval process);
- Safe People (Researcher and Research Organisation registration process);
- Safe Settings (RDP security);
- Safe Data (RMF construction in compliance with CSO Statistical Disclosure Control policy); and
- Safe Outputs (Outputs checked in accordance with CSO Statistical Disclosure Control policy by Data Custodian).

The datasets at all times remains on a CSO server. Secure access to microdata is through the CSO RDP. The RDP is a locked-down Citrix environment from which it is not possible for the researcher to export or import data. There is no email facility or internet access from the RDP.

Risk Assessment

A detailed Risk Assessment was completed in the preparation of this DPIA. It is not being included as part of the summary as it contains detail on operational and security measures and controls.

Risk descriptions included:

- illegitimate access;
- undesired modification;
- data breach;
- disappearance or loss of data;
- unintended consequences of access; and
- public perception.

Specific use cases were considered, assigned risk owners and scored. Controls in place to mitigate the risk were outlined for each. The scores were re-assessed based on these mitigating controls and re-scored. In addition, each use case outlined action(s) to mitigate the risk if it occurred.

DPO ADVICE

The present RMF process has been developed to underpin statistical analysis in support of the national health and public interest response to the COVID 19 pandemic. The corresponding research and analysis are subject to and may be undertaken only in compliance with relevant statistical and health research related Regulations. CSO's processing of data in this case is undertaken in the perspective of preparing Research Microdata Files (RMFs), pseudonymised files of statistical data, designed to support further scientific analysis in the important sphere of public health protection associated with COVID-19. In the instant case, this analysis is being undertaken in the public interest, by pre-approved Researchers who are subject to statistical, ethical and health research governance scrutiny. The processes outlined here incorporate all the data subject protections set out in DPIA 1156 and all dimensions of the DPO advice set out therein should apply in this case, also. Subject to the safeguards set out in this document, the proposed processing would appear consistent with applicable law and is designed to afford high levels of protection to the rights and freedoms of individual data subjects. CSO should have particular regard to the retention periods applied to this data, ensuring that they are consistent with the purpose of the initial RMF application and with applicable approvals under the Health Research Regulations. Periodic auditing of access via the RCU portal is recommended, in line with standard CSO procedures as is systematic review of RMF approvals in line with Office policy. It is of particular importance that any incidents of non-compliance with RMF Policy in respect of this data are immediately flagged both through RCU and Data Office. The duty of the CSO regarding the protection of data subject confidentiality is the bedrock of our work and Researcher compliance in this important sphere of medical research is fundamental, therefore ongoing supervision and output checking are essential.

APPENDIX 1 - ADMINISTRATIVE DATA FILE NAMES

1 a2I - HSE Coronavirus Assessments, Test Referrals and Facilities data

2 C19HospitalCases - Recorded Hospital Cases as a result of COVID-19

3 CIDR - HSE Computerised Infectious Disease Reporting System

4 HIPE - Hospital Inpatient Discharge Data

5 NOCA - National Office of Clinical Audit Intensive Care Unit Data

6 SBAR - Situation, Background, Assessment, Recommendation. Shift handover data.

7 CCT - COVID Care Tracker data

8 Vaccination Information Data - Record of vaccinations administered for COVID-19.
   Note: as at August 2021, no Vaccinations data has been received by the CSO and no agreement is yet in place for these transmissions to commence, but it is included here for reasons of completeness and transparency. Note too that the flow of data to the CSO was disrupted due to the Cyber Security Incident in May 2021 and has yet to be reinstated in full.

NOTE:

• C19HospitalCases data is no longer being processed

• HIPE is already pseudonymised before it is sent to CSO

• SBAR and NOCA do not contain personal data

• SBAR Is no longer being processed

• With regard to the prospective data flow 'Vaccination Information Data - Record of vaccinations administered for COVID-19', the CSO are currently developing the data transfer timeline with the HSE. For completeness and transparency, the CSO are including this prospective data flow in both the DPIA and transparency notice.

APPENDIX 2 - ADMINISTRATIVE DATA FILE NAMES AND VARIABLES

Note: This information is correct as of August 2021 and is subject to change.

ADFlowID	ADFlow Name	Latest Instance
A2I	Access to Information (A2I) COVID-19 assessment facilities data	May 2021
C19_HospitalCases	Covid Cases in Hospitals for the previous 24 hours	Dec 2020
CCT	C19 Covid Care Tracker Application Data Source Tier	Feb-May 2021
CIDR	HSE Computerised Infectious Disease Reporting System	May 2021
HIPE	Hospital Inpatient Discharge Data	May 2021
NOCA	National Office of Clinical Audit ICU data	Aug 2021
SBAR	Situation, Background, Assessment, Recommendation. Shift handover data.	Nov 2020

A21 – Access to Information (A21) COVID-19 assessment facilities data

A2I is the HSE system for managing referrals for COVID-19 tests or assessments and covers all the persons that have been referred by a GP or public health clinician or occupational health clinician.

C19_HospitalCases – Covid Cases in Hospitals for the previous 24 hours

C19_HospitalCases variables cover the number of new COVID-19 inpatient cases and admissions by hospital and it does not contain any personal data. C19 HospitalCases data is no longer being processed.

CCT C19 Covid Care Tracker Application Data Source Tier

CCT is effectively the underlying C19 patient management system developed by the HSE system to manage the pandemic emergency.

The cohort relates to persons who:

- are awaiting a C19 laboratory test appointment through SwiftQueue system following an eReferral, or
- have a Laboratory test result uploaded to CCT without a SwiftQueue appointment
- are symptomatic, or who feel they may have C19, and:
- Have had an Assessment Hub appointment and Ambulatory Assessment following an eReferral, or
- Have had an admission for C19 to an acute hospital or isolation facility [or in the future an intermediate care facility], or
- Have had a congregated residential setting C19 episode

CIDR HSE Computerised Infectious Disease Reporting System

CIDR contains the register of confirmed positive cases notified to Health Protection Surveillance Centre (HPSC). It covers information on Covid related patient assessments, ICU admissions and outbreaks.

HIPE – Hospital Inpatient Discharge Data

HIPE is already pseudonymised before it is sent to CSO. Contains detailed information with respect to admissions and discharges from the HIPE system.

NOCA – National Office of Clinical Audit ICU Data

NOCA contains information on numbers of occupied/vacant beds per hospital. This dataset does not contain personal data.

SBAR - SBAR - Situation, Background, Assessment, Recommendation. Shift handover data.

This dataset does not contain personal data.

ADFlowID	ADFlow Name	Variable name
	A2I_SRC- Access to Information (A2I) COVID-19 assessment facilities data	
A2I_SRC	HSE coronavirus assessments	Address_1
A2I_SRC	HSE coronavirus assessments	Address_2
A2I_SRC	HSE coronavirus assessments	Address_3
A2I_SRC	HSE coronavirus assessments	Address_4
A2I_SRC	HSE coronavirus assessments	Address_5
A2I_SRC	HSE coronavirus assessments	COVID19_ID
A2I_SRC	HSE coronavirus assessments	Date_of_Birth
A2I_SRC	HSE coronavirus assessments	Gender
A2I_SRC	HSE coronavirus assessments	IHI
A2I_SRC	HSE coronavirus assessments	MCN
A2I_SRC	HSE coronavirus assessments	appointment_facility_description
A2I_SRC	HSE coronavirus assessments	appointment_facility_id
A2I_SRC	HSE coronavirus assessments	appointment_modified_date
A2I_SRC	HSE coronavirus assessments	appointment_reason_description
A2I_SRC	HSE coronavirus assessments	appointment_status
A2I_SRC	HSE coronavirus assessments	appointment_user_id
A2I_SRC	HSE coronavirus assessments	category_id
A2I_SRC	HSE coronavirus assessments	clinic
A2I_SRC	HSE coronavirus assessments	country
A2I_SRC	HSE coronavirus assessments	date
A2I_SRC	HSE coronavirus assessments	date_referred
A2I_SRC	HSE coronavirus assessments	firstname
A2I_SRC	HSE coronavirus assessments	gp_address_1
A2I_SRC	HSE coronavirus assessments	gp_address_2
A2I_SRC	HSE coronavirus assessments	gp_address_3
A2I_SRC	HSE coronavirus assessments	gp_address_4
A2I_SRC	HSE coronavirus assessments	gp_address_5
A2I_SRC	HSE coronavirus assessments	gp_details_id
A2I_SRC	HSE coronavirus assessments	gp_firstname
A2I_SRC	HSE coronavirus assessments	gp_id
A2I_SRC	HSE coronavirus assessments	gp_surname
A2I_SRC	HSE coronavirus assessments	home_phone
A2I_SRC	HSE coronavirus assessments	is_attended
A2I_SRC	HSE coronavirus assessments	medical_council_number
A2I_SRC	HSE coronavirus assessments	mobile
A2I_SRC	HSE coronavirus assessments	mrn
A2I_SRC	HSE coronavirus assessments	outbreak_code
A2I_SRC	HSE coronavirus assessments	patient_aka_firstname
A2I_SRC	HSE coronavirus assessments	patient_aka_surname
A2I_SRC	HSE coronavirus assessments	patient_eircode
A2I_SRC	HSE coronavirus assessments	patient_result_consent
A2I_SRC	HSE coronavirus assessments	phone
A2I_SRC	HSE coronavirus assessments	practice_number
A2I_SRC	HSE coronavirus assessments	reason_id
A2I_SRC	HSE coronavirus assessments	referral_created_date
A2I_SRC	HSE coronavirus assessments	referral_facility_description
A2I_SRC	HSE coronavirus assessments	referral_facility_id
A2I_SRC	HSE coronavirus assessments	referral_id
A2I_SRC	HSE coronavirus assessments	referral_modified_date
A2I_SRC	HSE coronavirus assessments	referral_priority_description
A2I_SRC	HSE coronavirus assessments	referral_source_description
A2I_SRC	HSE coronavirus assessments	referral_source_id
A2I_SRC	HSE coronavirus assessments	referral_source_name
A2I_SRC	HSE coronavirus assessments	referral_status
A2I_SRC	HSE coronavirus assessments	referral_type
A2I_SRC	HSE coronavirus assessments	referral_user_id
A2I_SRC	HSE coronavirus assessments	reservation_date
A2I_SRC	HSE coronavirus assessments	reservation_id
A2I_SRC	HSE coronavirus assessments	reservation_time
A2I_SRC	HSE coronavirus assessments	residential_id
A2I_SRC	HSE coronavirus assessments	speciality
A2I_SRC	HSE coronavirus assessments	speciality_id
A2I_SRC	HSE coronavirus assessments	surname
A2I_SRC	HSE coronavirus assessments	Address_1

ADFlowID	ADFlow Name	Variable name
	A2I_SRC- Access to Information (A2I) COVID-19 assessment facilities data	
A2I_SRC	HSE coronavirus assessments	Address_2
A2I_SRC	HSE coronavirus assessments	Address_3
A2I_SRC	HSE coronavirus assessments	Address_4
A2I_SRC	HSE coronavirus assessments	Address_5
A2I_SRC	HSE coronavirus assessments	COVID19_ID
A2I_SRC	HSE coronavirus assessments	Date_of_Birth
A2I_SRC	HSE coronavirus assessments	Gender
A2I_SRC	HSE coronavirus assessments	IHI
A2I_SRC	HSE coronavirus assessments	MCN
A2I_SRC	HSE coronavirus assessments	appointment_facility_description
A2I_SRC	HSE coronavirus assessments	appointment_facility_id
A2I_SRC	HSE coronavirus assessments	appointment_modified_date
A2I_SRC	HSE coronavirus assessments	appointment_reason_description
A2I_SRC	HSE coronavirus assessments	appointment_status
A2I_SRC	HSE coronavirus assessments	appointment_user_id
A2I_SRC	HSE coronavirus assessments	category_id
A2I_SRC	HSE coronavirus assessments	clinic
A2I_SRC	HSE coronavirus assessments	country
A2I_SRC	HSE coronavirus assessments	date
A2I_SRC	HSE coronavirus assessments	date_referred
A2I_SRC	HSE coronavirus assessments	firstname
A2I_SRC	HSE coronavirus assessments	gp_address_1
A2I_SRC	HSE coronavirus assessments	gp_address_2
A2I_SRC	HSE coronavirus assessments	gp_address_3
A2I_SRC	HSE coronavirus assessments	gp_address_4
A2I_SRC	HSE coronavirus assessments	gp_address_5
A2I_SRC	HSE coronavirus assessments	gp_details_id
A2I_SRC	HSE coronavirus assessments	gp_firstname
A2I_SRC	HSE coronavirus assessments	gp_id
A2I_SRC	HSE coronavirus assessments	gp_surname
A2I_SRC	HSE coronavirus assessments	home_phone
A2I_SRC	HSE coronavirus assessments	is_attended
A2I_SRC	HSE coronavirus assessments	medical_council_number
A2I_SRC	HSE coronavirus assessments	mobile
A2I_SRC	HSE coronavirus assessments	mrn
A2I_SRC	HSE coronavirus assessments	outbreak_code
A2I_SRC	HSE coronavirus assessments	patient_aka_firstname
A2I_SRC	HSE coronavirus assessments	patient_aka_surname
A2I_SRC	HSE coronavirus assessments	patient_eircode
A2I_SRC	HSE coronavirus assessments	patient_result_consent
A2I_SRC	HSE coronavirus assessments	phone
A2I_SRC	HSE coronavirus assessments	practice_number
A2I_SRC	HSE coronavirus assessments	reason_id
A2I_SRC	HSE coronavirus assessments	referral_created_date
A2I_SRC	HSE coronavirus assessments	referral_facility_description
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A2I_SRC	HSE coronavirus assessments	referral_id
A2I_SRC	HSE coronavirus assessments	referral_modified_date
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A2I_SRC	HSE coronavirus assessments	referral_source_name
A2I_SRC	HSE coronavirus assessments	referral_status
A2I_SRC	HSE coronavirus assessments	referral_type
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A2I_SRC	HSE coronavirus assessments	reservation_id
A2I_SRC	HSE coronavirus assessments	reservation_time
A2I_SRC	HSE coronavirus assessments	residential_id
A2I_SRC	HSE coronavirus assessments	speciality
A2I_SRC	HSE coronavirus assessments	speciality_id
A2I_SRC	HSE coronavirus assessments	surname
A2I_SRC	HSE coronavirus assessments	address
A2I_SRC	HSE coronavirus assessments	id

ADFlowID	ADFlow Name	Variable name
	A2I_SRC- Access to Information (A2I) COVID-19 assessment facilities data	
A2I_SRC	HSE coronavirus assessments	name
A2I_SRC	HSE coronavirus assessments	parent_id
A2I_SRC	HSE coronavirus assessments	short_name
A2I_SRC	HSE coronavirus assessments	status
A2I_SRC	HSE coronavirus assessments	Address_1
A2I_SRC	HSE coronavirus assessments	Address_2
A2I_SRC	HSE coronavirus assessments	Address_3
A2I_SRC	HSE coronavirus assessments	Address_4
A2I_SRC	HSE coronavirus assessments	Address_5
A2I_SRC	HSE coronavirus assessments	COVID19_ID
A2I_SRC	HSE coronavirus assessments	Date_of_Birth
A2I_SRC	HSE coronavirus assessments	Gender
A2I_SRC	HSE coronavirus assessments	IHI
A2I_SRC	HSE coronavirus assessments	MCN
A2I_SRC	HSE coronavirus assessments	appointment_facility_description
A2I_SRC	HSE coronavirus assessments	appointment_facility_id
A2I_SRC	HSE coronavirus assessments	appointment_modified_date
A2I_SRC	HSE coronavirus assessments	appointment_reason_description
A2I_SRC	HSE coronavirus assessments	appointment_status
A2I_SRC	HSE coronavirus assessments	appointment_user_id
A2I_SRC	HSE coronavirus assessments	category_id
A2I_SRC	HSE coronavirus assessments	clinic
A2I_SRC	HSE coronavirus assessments	country
A2I_SRC	HSE coronavirus assessments	date
A2I_SRC	HSE coronavirus assessments	date_referred
A2I_SRC	HSE coronavirus assessments	firstname
A2I_SRC	HSE coronavirus assessments	gp_address_1
A2I_SRC	HSE coronavirus assessments	gp_address_2
A2I_SRC	HSE coronavirus assessments	gp_address_3
A2I_SRC	HSE coronavirus assessments	gp_address_4
A2I_SRC	HSE coronavirus assessments	gp_address_5
A2I_SRC	HSE coronavirus assessments	gp_details_id
A2I_SRC	HSE coronavirus assessments	gp_firstname
A2I_SRC	HSE coronavirus assessments	gp_id
A2I_SRC	HSE coronavirus assessments	gp_surname
A2I_SRC	HSE coronavirus assessments	home_phone
A2I_SRC	HSE coronavirus assessments	is_attended
A2I_SRC	HSE coronavirus assessments	medical_council_number
A2I_SRC	HSE coronavirus assessments	mobile
A2I_SRC	HSE coronavirus assessments	mrn
A2I_SRC	HSE coronavirus assessments	outbreak_code
A2I_SRC	HSE coronavirus assessments	patient_aka_firstname
A2I_SRC	HSE coronavirus assessments	patient_aka_surname
A2I_SRC	HSE coronavirus assessments	patient_eircode
A2I_SRC	HSE coronavirus assessments	patient_result_consent
A2I_SRC	HSE coronavirus assessments	phone
A2I_SRC	HSE coronavirus assessments	practice_number
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A2I_SRC	HSE coronavirus assessments	referral_modified_date
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A2I_SRC	HSE coronavirus assessments	referral_status
A2I_SRC	HSE coronavirus assessments	referral_type
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A2I_SRC	HSE coronavirus assessments	reservation_date
A2I_SRC	HSE coronavirus assessments	reservation_id
A2I_SRC	HSE coronavirus assessments	reservation_time
A2I_SRC	HSE coronavirus assessments	residential_id

ADFlowID	ADFlow Name	Variable name
A2I_SRC	HSE coronavirus assessments	speciality
A2I_SRC	HSE coronavirus assessments	speciality_id
A2I_SRC	HSE coronavirus assessments	surname
A2I_SRC	HSE coronavirus assessments	address
A2I_SRC	HSE coronavirus assessments	id
A2I_SRC	HSE coronavirus assessments	name
A2I_SRC	HSE coronavirus assessments	parent_id
A2I_SRC	HSE coronavirus assessments	short_name
A2I_SRC	HSE coronavirus assessments	status
A2I_SRC	HSE coronavirus assessments	Address_1
A2I_SRC	HSE coronavirus assessments	Address_2
A2I_SRC	HSE coronavirus assessments	Address_3
A2I_SRC	HSE coronavirus assessments	Address_4
A2I_SRC	HSE coronavirus assessments	Address_5
A2I_SRC	HSE coronavirus assessments	COVID19_ID
A2I_SRC	HSE coronavirus assessments	Date_of_Birth
A2I_SRC	HSE coronavirus assessments	Gender
A2I_SRC	HSE coronavirus assessments	IHI
A2I_SRC	HSE coronavirus assessments	MCN
A2I_SRC	HSE coronavirus assessments	appointment_facility_description
A2I_SRC	HSE coronavirus assessments	appointment_facility_id
A2I_SRC	HSE coronavirus assessments	appointment_modified_date
A2I_SRC	HSE coronavirus assessments	appointment_reason_description
A2I_SRC	HSE coronavirus assessments	appointment_status
A2I_SRC	HSE coronavirus assessments	appointment_user_id
A2I_SRC	HSE coronavirus assessments	category_id
A2I_SRC	HSE coronavirus assessments	clinic
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A2I_SRC	HSE coronavirus assessments	date
A2I_SRC	HSE coronavirus assessments	date_referred
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A2I_SRC	HSE coronavirus assessments	gp_address_1
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A2I_SRC	HSE coronavirus assessments	gp_address_4
A2I_SRC	HSE coronavirus assessments	gp_address_5
A2I_SRC	HSE coronavirus assessments	gp_details_id
A2I_SRC	HSE coronavirus assessments	gp_firstname
A2I_SRC	HSE coronavirus assessments	gp_id
A2I_SRC	HSE coronavirus assessments	gp_surname
A2I_SRC	HSE coronavirus assessments	home_phone
A2I_SRC	HSE coronavirus assessments	is_attended
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A2I_SRC	HSE coronavirus assessments	patient_aka_firstname
A2I_SRC	HSE coronavirus assessments	patient_aka_surname
A2I_SRC	HSE coronavirus assessments	patient_eircode
A2I_SRC	HSE coronavirus assessments	patient_result_consent
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A2I_SRC	HSE coronavirus assessments	reason_id
A2I_SRC	HSE coronavirus assessments	referral_created_date
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A2I_SRC	HSE coronavirus assessments	referral_facility_id
A2I_SRC	HSE coronavirus assessments	referral_id
A2I_SRC	HSE coronavirus assessments	referral_modified_date
A2I_SRC	HSE coronavirus assessments	referral_priority_description
A2I_SRC	HSE coronavirus assessments	referral_source_description
A2I_SRC	HSE coronavirus assessments	referral_source_id
A2I_SRC	HSE coronavirus assessments	referral_source_name
A2I_SRC	HSE coronavirus assessments	referral_status
A2I_SRC	HSE coronavirus assessments	referral_type

A2I_SRC- Access to Information (A2I) COVID-19 assessment facilities data

A2I_SRC- Access to Information (A2I) COVID-19 assessment facilities data		
ADFlowID	ADFlow Name	Variable name
A2I_SRC	HSE coronavirus assessments	referral_user_id
A2I_SRC	HSE coronavirus assessments	reservation_date
A2I_SRC	HSE coronavirus assessments	reservation_id
A2I_SRC	HSE coronavirus assessments	reservation_time
A2I_SRC	HSE coronavirus assessments	residential_id
A2I_SRC	HSE coronavirus assessments	speciality
A2I_SRC	HSE coronavirus assessments	speciality_id
A2I_SRC	HSE coronavirus assessments	surname

C19_HospitalCases_src - Covid Cases in Hospitals for the previous 24 hours		
ADFlowID	**ADFlow Name**	**Variable name**
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Hospital
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Date
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Confirmed_cases_admitted_onsite
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	New_cases_confirmed_past_24hrs
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Query_cases_a_w_results_onsite
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Confirmed_cases_admitted_onsite2
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	New_cases_confirmed_past_24hrs2
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Query_cases_a_w_results_onsite2
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Confirmed_cases_admitted_onsite3
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	New_cases_confirmed_past_24hrs3
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Query_cases_a_w_results_onsite3
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Vacant_beds_8am
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Hospital_Number
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	New_Admissions_prev_24hrs
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Discharges_prev_24hrs
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Deceased_prev_24hrs
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	New_Admissions_prev_24hrs2
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Discharges_prev_24hrs2
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Deceased_prev_24hrs2
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	New_Admissions_prev_24hrs3
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Discharges_prev_24hrs3
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	Deceased_prev_24hrs3
C19_HospitalCases_src	Covid Cases in Hospitals for the previous 24 hours	FileReceived_Datetime

CIDR_SRC - HSE Computerised Infectious Disease Reporting System		
ADFlowID	**ADFlow Name**	**Variable name**
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Address_Line_1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Address_Line_2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Age__Years__at_time_of_event
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	CCA_Name
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	CHO_Area
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	COVID19_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Case_Classification
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Cause_of_Death_Name
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Country
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Country_of_Birth
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Country_of_Infection
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	County
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_Birth
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_Death
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_Diagnosis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_first_admission
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Disease_Description
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Ethnicity
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Event_Creation_Date
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Event_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Gender_Name
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Health_Board_Name
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hospital_Group
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hospital_No_
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hospital_of_Admission__current_
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Interpreted_Overall_Lab_Result
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Lab
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Lab_Authorisation_Date
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Lab_Reported_Date
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Lab_Specimen_Collected_Date
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Lab_Specimen_Received_Date
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Occupation
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Onset_Date
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Organism_Name
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_Identifier
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outcome
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_Age_at_time_of_event
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_Alias
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_Firstname
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_Former_Surname
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_Middlename
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_Surname
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_Type
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Postcode
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Reference_Lab
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Suburb
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Telephone_Number
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Town
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	PPSN
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Event_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Patient_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	BMI___40
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Cancer_malignancy
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Chronic_heart_disease
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Chronic_kidney_disease
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Chronic_liver_disease
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Chronic_neurological_disease
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Chronic_respiratory_disease
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Country_1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Country_2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Country_3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_case_placed_in_isolation
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_admission_to_ICU_1

ADFlowID	ADFlow Name	Variable name
	CIDR_SRC - HSE Computerised Infectious Disease Reporting System	
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Diabetes
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Event_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hypertension
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	If_Yes__HCW_Role
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	If_other_HCW__please_specify
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	If_other_co_morbidity__please_sp
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	If_recovered__date_of_recovery
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Is_the_case_currently_employed_a
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Is_the_case_pregnant_
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Most_likely_transmission_source
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Other_co_morbidity
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Smoking_status
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Symptomatic
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Type_of_diabetes
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Underlying_clinical_conditions
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Was_the_case_admitted_to_ICU
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	CHO
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	CSO_ED
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	CSO_ED_Name
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Event_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	LEA_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	LEA_Name
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	PCT
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Alcohol_related_disease
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Arterial_PaO2___kPa
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Arterial_PaO2___mmHg
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Asplenia___Splenic_dysfunction
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	BPAP___NIV_ventilation_in_ICU
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	BPAP___NIV_ventilation_in_ICU_1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Blood_gas_in_first_hour
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Bronchiectasis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	CPAP_ventilation_in_ICU
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Cardiovascular_condition___treat
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	CaseNotLongerThan6wksPostpartum
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Cerebral_palsy
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Chronic_obstructive_pulmonary_di
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Congenital_renal_disease
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Conventional_mechanical_ventilat
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Country_ECMO
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Cystic_fibrosis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	DTCriticCareCommencICUAdmiss2U1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	DTCriticCareCommencICUAdmiss3U2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	DTCriticCareCommencICUAdmiss4U3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_critical_care_commenced_ICU
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_ICU_admission_1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_ICU_admission_2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_ICU_admission_3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_ICU_admission_4
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_discharge_from_ICU_1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_discharge_from_ICU_2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_discharge_from_ICU_3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Date_of_discharge_from_ICU_4
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_develop_ARDS
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_develop_multiorgan
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_have_ARDS_on_admiss
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_have_acute_kidney_i
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_receive_CRRT___IHD
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_receive_ECMO_abroad
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_receive_continuous
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_receive_invasive_me
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Did_the_case_receive_non_invasiv
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	DurationOfBPAPNIV_VentilInICU_1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Duration_of_BPAP___NIV_ventilati
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Duration_of_CPAP_ventilation_in

	CIDR_SRC - HSE Computerised Infectious Disease Reporting System	
ADFlowID	**ADFlow Name**	**Variable name**
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Duration_of_ECMO__days__in_ICU
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Duration_of_HFOV_ventilation_in
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Duration_of_Oxygen__days_
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Duration_of_conventional_MV_in_I
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Duration_of_ventilation_days__ou
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	ECMO_in_ICU
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Encephalitis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Event_ID
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	FiO2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	HFOV_ventilation_in_ICU
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Haemofiltration___Plasmapheresis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Haemoglobinopathy
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Headbox
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Home_on_oxygen
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hospit_CurrentICUAdmiss_2n_ICU1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hospit_CurrentICUAdmiss_3n_ICU2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hospit_CurrentICUAdmiss_4n_ICU3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hospital___current_ICU_admission
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Hypothyroidism
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	If_pregnant__what_is_the_current
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	If_transferred_to_other_ICU_plea
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	If_yes_please_state_location__ou
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Interstitial_lung_fibrosis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Intubation
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Length_of_stay_in_ICU__days__1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Length_of_stay_in_ICU__days__2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Length_of_stay_in_ICU__days__3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Length_of_stay_in_ICU__days__4
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Long_term_aspirin_therapy
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Meningitis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Myocarditis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Myotonic_and_muscular_dystrophy
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Nephrotic_syndrome
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	OtherHospitalOfAdmiss_NonICU1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	OtherHospitalOfAdmiss_NonICU2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	OtherHospitalOfAdmiss_NonICU3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	OtherHospitalOfAdmiss_NonICU4
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	OtherHospitalOfAdmission_ICU1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	OtherHospitalOfAdmission_ICU2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	OtherHospitalOfAdmission_ICU3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	OtherHospitalOfAdmission_ICU4
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	PIM2_score
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	PIM_score
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Pressor_dependence_at_any_time_d
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Primary_viral_pneumonia
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Pupil_reaction
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Reason_for_PICU___NICU_admission
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	SOFA_score_on_admission_to_ICU_T
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Secondary_bacterial_pneumonia
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Seizure_disorder
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Sepsis
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Source_of_ICU_admission_1
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Source_of_ICU_admission_2
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Source_of_ICU_admission_3
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Source_of_ICU_admission_4
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Spina_bifida
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Systolic_blood_pressure___mmHg
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Tracheostomy
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Transferred_from_ICU_to_
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Was_the_case_admitted_to_ICU
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Was_the_infection_determined_to
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Was_the_patient_mechanically_ven
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	First_reported_date
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_CCA

CIDR_SRC - HSE Computerised Infectious Disease Reporting System		
ADFlowID	ADFlow Name	Variable name
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_CHO
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_Health_Board
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_Identifier
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_county
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_created_date
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_extent
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_location
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Outbreak_status
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Total_Dead
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Total_Hospitalised
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Total_Ill
CIDR_SRC	HSE Computerised Infectious Disease Reporting System	Total_Lab_Investigated

CCT_SRC - Covid Care Tracker Application Data Source Tier		
ADFlowID	**ADFlow Name**	**Variable name**
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AdmissionEpisodeStartDate
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AdmissionEpisodeType
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedBy
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Discharge
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DischargeDestination
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DischargeEpisodeEndDateT
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	GenderPatient
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Hospital
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	IntermediaryCareFacility
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	IsolationFacility
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	IsolationFacilityCohortOnAdm
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	MedicalRecordNumber
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedBy
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedByDelegate
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Patient_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientDateOfBirth
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientDateOfDeath
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientFirstName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientLastName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PostDischargeFollowUpRequire
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Status
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	StatusReason
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SwiftQueue_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AbdominalExaminationNormal
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AbdominalPain
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AcvpuCnsResponse
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Additional_Amb_Assess_PlanInfo
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressCityTown
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressCountry

CCT_SRC - Covid Care Tracker Application Data Source Tier		
ADFlowID	**ADFlow Name**	**Variable name**
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressCounty
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine1
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine2
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine3
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AllergiesInformation
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AllergiesStatus
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Ambul_Assessment_OutcomePlan
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AreThereSignificantRiskFacto
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AssessmentType
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	BMI - BMI
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChestPain
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Cough
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Covid19TestUndertaken
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedByDelegate_SwiftQ_App
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn_SwiftQ_Appointment
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Diarrhoea
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DiastolicBloodPressureMmhg
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Dizziness
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Eircode
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ExaminationAdditionalInformati
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	FacilityID_SwiftQ_Appointment
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Fatigue
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Fever
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	FractionalInspiredOxygen
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	GenderPatient
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	GeneralExamination
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	GeneralPractitioner
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Haemoptysis
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Headache
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HeartExaminationNormal

CCT_SRC - Covid Care Tracker Application Data Source Tier		
ADFlowID	**ADFlow Name**	**Variable name**
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HeartRateBeatsPerMinute
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HeightM
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HistoryOfSymptoms
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HomeOxygen
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Inews021
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	LossOfAppetite
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Myalgia
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	NauseaVomiting
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	NumberOfRegularMedications
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OxygenSaturation
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Patient_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientDateOfBirth
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientFirstName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientIsACarer
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientIsSociallyVulnerable
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientLastName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientPhoneNumberMobile
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ReservationDate_SwiftQ_Appoint
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	RespiratoryExamination
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	RespiratoryRateBreathsPerMi
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Rhinorrhea
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SafetyNetDiscussedSymptomsO
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SafetyNetSignpostedToPatien
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ShortnessOfBreath
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SignificantClinicalFactors
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SignificantRiskFactor
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SignificantSocialFactors
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SoreThroat
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SputumProduction
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SwiftQueue_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SymptomAssessmentScore029
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SystolicBloodPressureMmhg

ADFlowID	ADFlow Name	Variable name
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Temperaturec
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Urinalysis
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	WeightKg
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AbdominalPain
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AbdominalPainScore
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AdviceGiven
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AllergiesInformation
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AllergiesStatus
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AreThereSignificantRiskFacto
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AssessmentFollowUpDeadline
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AssessmentOutcome
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AssessmentType
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CallHandlerAssessmentOutcome
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Cancer
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChestPain
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChestPainScore
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicHeartDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicKidneyDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicLiverDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicNeurologicalDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicRespiratoryDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Confusion
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Consciousness
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Cough
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Covid19VirologyResultDate
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Covid19VirologyResultFinding
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CurrentMedications
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CurrentSymptomsDetails
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CurrentlyPregnant
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfDeath

The heading row above the table reads:

CCT_SRC - Covid Care Tracker Application Data Source Tier

	CCT_SRC - Covid Care Tracker Application Data Source Tier	
ADFlowID	**ADFlow Name**	**Variable name**
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfFirstSymptoms
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfHospitalAdmission
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfIcuAdmission
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfRecovery
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateStartingIsolation
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DetailsOfSocialVulnerability
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Diabetes
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Diarrhoea
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DiastolicBloodPressureMmhg
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Dizziness
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	EscalatedToNationalAmbulance
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Fatigue
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Fever
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	FollowUpAssessmentScore
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Gender
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	GenderPatient
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Haemoptysis
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Headache
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthCareWorker
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthCareWorkerRole
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HeartRateBeatsPerMinute
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HighBloodPressure
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HistoryOfSymptoms
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HomeOxygen
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Immunodeficiency
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	LossOfAppetite
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedBy
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Myalgia
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	NauseaVomiting
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherMedicalConditions
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OxygenSaturation

CCT_SRC - Covid Care Tracker Application Data Source Tier		
ADFlowID	**ADFlow Name**	**Variable name**
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Patient_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientAdmittedToHospital
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientAdmittedToIcu
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientDateOfBirth
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientFirstName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientHasUnderlyingCondition
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientIsACarer
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientLastName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientSCarerResponsibilities
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PositiveAssessmentOutcome
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ProgressSinceLastAssessment
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ReasonForCallIfClosingCase
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ReferralsMade
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	RespiratoryRateBreathsPerMi
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Rhinorrhea
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ShortnessOfBreath
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SignificantClinicalFactors
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SignificantRiskFactor
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SignificantSocialFactors
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SoreThroat
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SputumProduction
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Status
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	StatusReason
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SwiftQueue_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SymptomAssessmentScore029
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SystolicBloodPressureMmhg
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TelephoneAssessmentFollowUpT
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TelephoneAssessmentScore
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Temperaturec
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TreatmentGiven
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TreatmentGivenDetails
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TriageOutcome

ADFlowID	ADFlow Name	Variable name
	CCT_SRC - Covid Care Tracker Application Data Source Tier	
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TriageScore011
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	WhichHospital
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CaseNumber
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CaseTitle
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactTracingMethod
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactTracingResolutionDate
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactTracingResolutionUser
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactType
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Covid19Positive
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Gender
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HaveYouCompletedContactTraci
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	InformedDate
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	InformingPerson
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	LastActivityDate
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedBy
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Outcome
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientDateOfBirth
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientFirstName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientLastName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientPreviouslyInformedO
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Patient_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Priority
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Status
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	StatusReason
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SwiftQueue_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	UserNameContactTracingResol
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	UserNameInformingPersonUser
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AssociatedContacts
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Circumstances

	CCT_SRC - Covid Care Tracker Application Data Source Tier	
ADFlowID	**ADFlow Name**	**Variable name**
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CircumstancesOfContact
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CongregatedResidentialSetting
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactAddressLine1
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactAddressLine2
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactAddressLine3
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactAddressLine4
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactCityTown
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactDateOfBirth
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactEircode
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactFirstName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactGender
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactLastName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactOutcomeDate
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactOutcomeUser
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactPhoneNumberAlternate
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactPhoneNumberMobile
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactType
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CountryIfNotIreland
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	County
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfBirthEstimated
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfLastContactOccurred
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Environment
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	GeneralPractitioner
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	IdentifiedAsContactByApp
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	IdentifiedAsContactByPatient
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	InterpreterLanguageRequired
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	InterpreterRequired
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	MaskWearingByCase
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OriginalPatient
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Outcome

	CCT_SRC - Covid Care Tracker Application Data Source Tier	
ADFlowID	**ADFlow Name**	**Variable name**
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Patient_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ReasonForBeingComplex
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ReasonForBeingExceptional
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	RecordCreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	RecordId
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Status
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	StatusReason
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SwiftQueue_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Symptomatic
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	UserNameContactOutcomeUser
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19Positive_ObjectCase
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CaseNumber_ObjectCase
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfTest
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	EnteredQueue
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Queue
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Type
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ActivityStatus
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn_RegardingLabResult
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateCreated
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateReported_RegardingLabResult
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateofTest
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ModifiedOn_RegardingLabResult
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Patient_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientDateOfBirth
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientFirstName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientLastName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientPhoneNumberAlternative
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientPhoneNumberMobile
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SentToTwilio

ADFlowID	ADFlow Name	Variable name
	CCT_SRC - Covid Care Tracker Application Data Source Tier	
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SmsDeliveredRegardingLabResult
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Subject
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SwiftQueue_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TwilioStatus
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressCountry
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressCounty
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine1
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine2
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine3
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CityTown
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactType
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Covid19Result
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOnSourceContactContact
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateofTest
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Eircode
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Gender
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	GeneralPractioner
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthCareWorker
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	InterpreterRequired
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	LanguageRequired
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Nationality
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherPatientInformation
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherRegistrationInformation
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Patient_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientDateOfBirth
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientFirstName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientLastName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientPhoneNumberAlternative
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientPhoneNumberMobile
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientStatus

CCT_SRC - Covid Care Tracker Application Data Source Tier		
ADFlowID	**ADFlow Name**	**Variable name**
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PPSN
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	RecordIdSourceContact
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SourceContact
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Status
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	StatusReason
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SwiftQueue_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AchesAndPains
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AchesAndPainsPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Address_Incomplete
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressCityTown
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressCounty
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine1
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine2
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AddressLine3
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AerosolGeneratingProcedurePp
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AerosolProcedure1Ffp2Ffp3
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AerosolProcedure2Ffp2Ffp3
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AerosolProcedure3Ffp2Ffp3
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AppropriateUseOfEyeProtectio
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AppropriateUseOfFfp2Ffp3Mas
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AppropriateUseOfGlovesPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AppropriateUseOfGownPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	AppropriateUseOfSurgicalMask
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Cancer
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicHeartDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicKidneyDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicLiverDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicNeurologicalDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ChronicRespiratoryDisease
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CongregatedResidentialSetting
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CongregatedResidentialSetting1
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CongregatedResidentialSetting2

CCT_SRC - Covid Care Tracker Application Data Source Tier		
ADFlowID	ADFlow Name	Variable name
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ContactTracingMethodPatient
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Cough
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CoughPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CountryOfBirthLookup
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	COVID19_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Covid19Result
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedBy
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CreatedOn
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CurrentlyPregnant
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CurrentOccupationSectorOther
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	CurrentSymptomsDetails
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfDeath
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfFirstSymptoms
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfHospitalAdmission
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateOfICUAdmission
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DateStartingIsolation
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Diabetes
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Diarrhoea
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DiarrhoeaPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	DidPatientHaveSymptoms
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Eircode
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	EthnicityPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Fatigue
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Fever
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	FeverPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	GenderPatient
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HcwWhoHasDirectContactPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Headache
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HeadachesPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthcareFacilityCrsWhere
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthcareFacilityHospWhere
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthcareFacilityLaboratoryE

CCT_SRC - Covid Care Tracker Application Data Source Tier		
ADFlowID	ADFlow Name	Variable name
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthCareWorker
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthCareWorkerRole
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HealthCareWorkerRolePpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	HighBloodPressure
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Immunodeficiency
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	InCongregatedResidentialSett1
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	InCongregatedResidentialSetti
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Lethargy
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	LossOfSmellPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	LossOfTastePpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	LossOfTasteSmell
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	MostLikelyTransmissionSource
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Myalgia
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	NameAddressOfWorkplacePpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	NasalCongestion
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	NauseaVomiting
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	NauseaVomitingPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherCurrentOccupationRole
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherEthnicityDetailsPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherHealthCareWorkerRoleDe
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherMedicalConditions
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherPlaceOfDeathDetailsPp
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherSymptomsDetailsPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherSymptomsPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	OtherTypeOfHcwPlaceOfWork
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Patient_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientAdmittedToHospital
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientAdmittedToIcu
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientDateOfBirth
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientFirstName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientHasUnderlyingCondition
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientIsACarer

ADFlowID	ADFlow Name	Variable name
	CCT_SRC - Covid Care Tracker Application Data Source Tier	
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PatientLastName
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PlaceOfDeathPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PositiveAssessmentOutcome
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	PPSNPatient
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ResidentialIdSqAppointment
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Rhinorrhea
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	RhinorrheaPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ShortnessOfBreath
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	ShortnessOfBreathPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Smoker
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SoreThroat
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SoreThroatPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	SwiftQueue_ID
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	Symptomatic
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TirednessPpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TypeOfAerosolGeneratingProc1
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TypeOfAerosolGeneratingProc2
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TypeOfAerosolGeneratingProce
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	TypeOfResidencePpa
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	UserNameCreatedByUser
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	WhatTypeOfFacilityDoYouWor
CCT_SRC	C19 Covid Care Tracker Application Data Source Tier	WhichHospital

HIPE_SRC - Hospital Inpatient Discharge Data		
ADFlowID	**ADFlow Name**	**Variable name**
HIPE_SRC	Hospital Inpatient Discharge Data	AdmDate
HIPE_SRC	Hospital Inpatient Discharge Data	AdmSource
HIPE_SRC	Hospital Inpatient Discharge Data	AdmType
HIPE_SRC	Hospital Inpatient Discharge Data	AdmWard
HIPE_SRC	Hospital Inpatient Discharge Data	AGE
HIPE_SRC	Hospital Inpatient Discharge Data	B342_Flag
HIPE_SRC	Hospital Inpatient Discharge Data	B972_Flag
HIPE_SRC	Hospital Inpatient Discharge Data	CVS
HIPE_SRC	Hospital Inpatient Discharge Data	Date_Coded
HIPE_SRC	Hospital Inpatient Discharge Data	Date_First_Coded
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG1
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG10
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG11
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG12
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG13
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG14
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG15
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG16
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG17
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG18
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG19
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG2
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG20
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG21
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG22
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG23
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG24
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG25
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG26
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG27
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG28
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG29
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG3
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG30
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG4
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG5
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG6
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG7
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG8
HIPE_SRC	Hospital Inpatient Discharge Data	DIAG9
HIPE_SRC	Hospital Inpatient Discharge Data	DISCHARGECODE
HIPE_SRC	Hospital Inpatient Discharge Data	DisDate
HIPE_SRC	Hospital Inpatient Discharge Data	DisWard
HIPE_SRC	Hospital Inpatient Discharge Data	DOH_Hosp
HIPE_SRC	Hospital Inpatient Discharge Data	DRG
HIPE_SRC	Hospital Inpatient Discharge Data	HADx1
HIPE_SRC	Hospital Inpatient Discharge Data	HADx10
HIPE_SRC	Hospital Inpatient Discharge Data	HADx11
HIPE_SRC	Hospital Inpatient Discharge Data	HADx12
HIPE_SRC	Hospital Inpatient Discharge Data	HADx13
HIPE_SRC	Hospital Inpatient Discharge Data	HADx14
HIPE_SRC	Hospital Inpatient Discharge Data	HADx15
HIPE_SRC	Hospital Inpatient Discharge Data	HADx16
HIPE_SRC	Hospital Inpatient Discharge Data	HADx17
HIPE_SRC	Hospital Inpatient Discharge Data	HADx18
HIPE_SRC	Hospital Inpatient Discharge Data	HADx19
HIPE_SRC	Hospital Inpatient Discharge Data	HADx2
HIPE_SRC	Hospital Inpatient Discharge Data	HADx20
HIPE_SRC	Hospital Inpatient Discharge Data	HADx21
HIPE_SRC	Hospital Inpatient Discharge Data	HADx22
HIPE_SRC	Hospital Inpatient Discharge Data	HADx23
HIPE_SRC	Hospital Inpatient Discharge Data	HADx24
HIPE_SRC	Hospital Inpatient Discharge Data	HADx25
HIPE_SRC	Hospital Inpatient Discharge Data	HADx26

HIPE_SRC - Hospital Inpatient Discharge Data		
ADFlowID	**ADFlow Name**	**Variable name**
HIPE_SRC	Hospital Inpatient Discharge Data	HADx27
HIPE_SRC	Hospital Inpatient Discharge Data	HADx28
HIPE_SRC	Hospital Inpatient Discharge Data	HADx29
HIPE_SRC	Hospital Inpatient Discharge Data	HADx3
HIPE_SRC	Hospital Inpatient Discharge Data	HADx30
HIPE_SRC	Hospital Inpatient Discharge Data	HADx4
HIPE_SRC	Hospital Inpatient Discharge Data	HADx5
HIPE_SRC	Hospital Inpatient Discharge Data	HADx6
HIPE_SRC	Hospital Inpatient Discharge Data	HADx7
HIPE_SRC	Hospital Inpatient Discharge Data	HADx8
HIPE_SRC	Hospital Inpatient Discharge Data	HADx9
HIPE_SRC	Hospital Inpatient Discharge Data	Hospital
HIPE_SRC	Hospital Inpatient Discharge Data	IsDayCase
HIPE_SRC	Hospital Inpatient Discharge Data	ITUdays
HIPE_SRC	Hospital Inpatient Discharge Data	LOS
HIPE_SRC	Hospital Inpatient Discharge Data	MDC
HIPE_SRC	Hospital Inpatient Discharge Data	MRN
HIPE_SRC	Hospital Inpatient Discharge Data	MRN_ENC
HIPE_SRC	Hospital Inpatient Discharge Data	PROC1
HIPE_SRC	Hospital Inpatient Discharge Data	PROC10
HIPE_SRC	Hospital Inpatient Discharge Data	PROC11
HIPE_SRC	Hospital Inpatient Discharge Data	PROC12
HIPE_SRC	Hospital Inpatient Discharge Data	PROC13
HIPE_SRC	Hospital Inpatient Discharge Data	PROC14
HIPE_SRC	Hospital Inpatient Discharge Data	PROC15
HIPE_SRC	Hospital Inpatient Discharge Data	PROC16
HIPE_SRC	Hospital Inpatient Discharge Data	PROC17
HIPE_SRC	Hospital Inpatient Discharge Data	PROC18
HIPE_SRC	Hospital Inpatient Discharge Data	PROC19
HIPE_SRC	Hospital Inpatient Discharge Data	PROC2
HIPE_SRC	Hospital Inpatient Discharge Data	PROC20
HIPE_SRC	Hospital Inpatient Discharge Data	PROC3
HIPE_SRC	Hospital Inpatient Discharge Data	PROC4
HIPE_SRC	Hospital Inpatient Discharge Data	PROC5
HIPE_SRC	Hospital Inpatient Discharge Data	PROC6
HIPE_SRC	Hospital Inpatient Discharge Data	PROC7
HIPE_SRC	Hospital Inpatient Discharge Data	PROC8
HIPE_SRC	Hospital Inpatient Discharge Data	PROC9
HIPE_SRC	Hospital Inpatient Discharge Data	Resid
HIPE_SRC	Hospital Inpatient Discharge Data	Sex
HIPE_SRC	Hospital Inpatient Discharge Data	U07_Flag

NOCA_src - Audit ICU data		
ADFlowID	**ADFlow Name**	**Variable name**
NOCA_src	National Office of Clinical Audit ICU data	CovidExtra1
NOCA_src	National Office of Clinical Audit ICU data	DT_Extract
NOCA_src	National Office of Clinical Audit ICU data	DT_Upd
NOCA_src	National Office of Clinical Audit ICU data	HID_UNIT
NOCA_src	National Office of Clinical Audit ICU data	Hosp_GRP
NOCA_src	National Office of Clinical Audit ICU data	Hosp_short
NOCA_src	National Office of Clinical Audit ICU data	HospGrpID
NOCA_src	National Office of Clinical Audit ICU data	HospID
NOCA_src	National Office of Clinical Audit ICU data	isLIVE
NOCA_src	National Office of Clinical Audit ICU data	LOC_UNIT
NOCA_src	National Office of Clinical Audit ICU data	nActVent
NOCA_src	National Office of Clinical Audit ICU data	nAdmitCovidConf
NOCA_src	National Office of Clinical Audit ICU data	nAdmitCovidSuspect
NOCA_src	National Office of Clinical Audit ICU data	nClosed_Beds
NOCA_src	National Office of Clinical Audit ICU data	nCovidConf
NOCA_src	National Office of Clinical Audit ICU data	nCovidRIP
NOCA_src	National Office of Clinical Audit ICU data	nCovidVent
NOCA_src	National Office of Clinical Audit ICU data	nCRRT_RT
NOCA_src	National Office of Clinical Audit ICU data	nDischCovidConf
NOCA_src	National Office of Clinical Audit ICU data	nDischReady_beds
NOCA_src	National Office of Clinical Audit ICU data	nIHD_RT
NOCA_src	National Office of Clinical Audit ICU data	nOccup_beds
NOCA_src	National Office of Clinical Audit ICU data	nOpen_beds
NOCA_src	National Office of Clinical Audit ICU data	nReserved_beds
NOCA_src	National Office of Clinical Audit ICU data	nSuspectCovidCases
NOCA_src	National Office of Clinical Audit ICU data	nSuspectCovidRIP
NOCA_src	National Office of Clinical Audit ICU data	nSuspectCovidVent
NOCA_src	National Office of Clinical Audit ICU data	nTotal_beds
NOCA_src	National Office of Clinical Audit ICU data	nVacant_beds
NOCA_src	National Office of Clinical Audit ICU data	TAKEON_DT
NOCA_src	National Office of Clinical Audit ICU data	UnitType

SBAR_src - Situation, Background, Assessment, Recommendation. Shift handover data.		
ADFlowID	ADFlow Name	Variable name
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	actualcancellations
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	AdditionalCapacityOpen Morning
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Admissions Expected
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	AdmissionsExpected Yesterday
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Attendances Expected
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Attendances Yesterday
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	AttendancesExpected Yesterday
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	AvailableCriticalCare 8am
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	BedsClosed 8am
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	ClosedCriticalCare
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	ClosedCriticalCareReason
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Correspondence
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of confirmed COVID 19 cases Admitted on sit1
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of confirmed COVID 19 cases Admitted on site
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of confirmed COVID 19 cases on Admitted site
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of COVID 19 cases in ICU
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of COVID 19 cases in ICU 2
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of COVID 19 cases in ICU 3
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of new COVID 19 cases confirmed in the past
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of new COVID 19 cases confirmed in the past1
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of new COVID 19 cases confirmed in the past2
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of suspected COVID 19 cases a_w results on 1
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of suspected COVID 19 cases a_w results on 2
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	COVID_19 BT::Number of suspected COVID 19 cases a_w results on s
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Date
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	DDs Home
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	DDs LTC
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	DDs Other
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	ED Admissions Yesterday
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Elective in_Patient Admissions Yesterday
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	FCPCapacityOpen
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Greater75yrs9hrbreaches

SBAR_src - Situation, Background, Assessment, Recommendation. Shift handover data.		
ADFlowID	ADFlow Name	Variable name
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Hospital
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Hospital Group Name
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	HospitalNumber
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	novacantbeds 8am
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Other_Admissions_Yesterday
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	over24hrs2pm
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	over24hrs8am
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	over24hrs8pm
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	PDD
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	plannedcancellations
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_2pm_0_6
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_2pm_18
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_2pm_6_9
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_2pm_9_18
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_8am_0_6
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_8am_18
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_8am_6_9
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_8am_9_18
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_8pm_0_6
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_8pm_18
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_8pm_6_9
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Point_8pm_9_18
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	SBAR No in AMU Morning
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	SBAR No in DayWard Morning
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	SBAR No in Other Morning
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	SBAR No in SAU Morning
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	SBAR_Estimated_No_Additional_Admissions_Inpatient
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	SBAR_Estimated_No_Additional_Admissions_Other
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	SBAR_Level_of_Escalation
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Threshold 8am
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	TimeTotal_2pm
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	TimeTotal_8am

SBAR_src - Situation, Background, Assessment, Recommendation. Shift handover data.		
ADFlowID	**ADFlow Name**	**Variable name**
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	TimeTotal_8pm
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Total admissions yesterday
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Total discharges yesterday
SBAR_src	Situation, Background, Assessment, Recommendation. Shift handover data.	Ward Trolleys In Use 8am