Data Flow Diagram

SSNAP

KING'S College LONDON

The SSNAP team do not have access to patient identifiable information at any point in the patient pathway. You can see who has access to what data in our data flow diagram on the next page.

Key definitions:	
Pseudonymised	When identifying details are replaced by a reference number (SSNAP ID number).
Fully Anonymised	When all identifying details are removed.
Aggregate outputs	Reports and results produced by SSNAP where the data reported is combined from several individual patient's data. Individual patient's data are not reported. For example, an aggregate result will report one summary statistic for all the patients that were seen by one team, or for all the patients across England, Wales & Northern Ireland.
NHS Trust	NHS organisations that provide hospital and community services and/or other aspects of patient care, such as patient transport facilities. The equivalent in Wales are called Health Boards
SSNAP intelligence manager	The member of the SSNAP team who leads the SSNAP data analysis team.
HES	Hospital Episode Statistics is a database with hospital coding information for England. This tells us the total number of stroke patients in England.
PEDW	Patient Episode Database for Wales collect hospital coding information for Wales. This tells us the total number of stroke patients in Wales.
ONS	Office of National Statistics reports mortality data (which patients have died and what caused their death).

Column Headers

Public | **Other organisations/ dependencies** | **NHS Trusts** | **Netsolving (data processor)** | **SSNAP (data processor)** | **NHS Digital (data controller in common for date of death and cause of death fields)** | **NHS Wales Informatics Service (NWIS)** | **Researchers (as agreed by the data controller's (HQIP) data access review group's permission)**

Key

Key

Fully anonymised

Pseudonymised

Identifiable

Diagram Content

NHS trusts send identifiable stroke audit data up to 6m after stroke to secure webtool based on s251 exemption

NHS trusts send identifiable stroke audit data after 6 months after stroke to secure webtool based on patient consent and s251 exemption

Registered individuals at Trusts can access date and cause of death information as well as their own data

Identifiable SSNAP database including linked date and cause of death

Pseudonymised SSNAP database including date and cause of death

SSNAP intelligence manager downloads identifiable data to a secure area including NHS number, name and SSNAP ID – this is NOT opened by the SSNAP intelligence manager

SSNAP intelligence manager downloads ONS files from NHS Digital and re-uploads to the webtool

SSNAP intelligence manager uploads this identifiable file to NHS Digital for linkage with HES and ONS

NHS Digital link data and provide SSNAP with HES non-sensitive data + SSNAP ID, and ONS date and cause of death + SSNAP ID

SSNAP intelligence manager uploads this identifiable file to NWIS for linkage with PEDW

NWIS link data and provide SSNAP with PEDW non-sensitive data + SSNAP ID

Identifiable data only where patient consent is demonstrated

SSNAP analysts receive HES and PEDW data and conduct analyses including admission rates for case ascertainment and associations with other conditions

SSNAP aggregate anonymised outputs available publically on webtool

SSNAP analysts download pseudonymised patient data

Pseudonymised data at patient level

SSNAP analysts create aggregate national and team level data outputs

Aggregate data/ anonymised

SSNAP aggregate outputs available only for logged in users on webtool

SSNAP analysts create patient level tools

Registered individuals at Trusts can access team level and patient level outputs

SSNAP pseudonymised patient level tools available only for logged in users on webtool

SSNAP analysts undertake analyses for research purposes

Aggregate outputs available for use by other organisations, e.g. CQC, myNHS, PHE, CCG OIS, Atlas of Variation

Aggregate outputs available to the public