

Data Extraction

Primary Sense operates in line with signed Data Sharing + Software License Agreements between the Primary Health Network (PHN) supplying the software and each individual General Practice using the software. The software extracts de-identified data from the practice's Practice Management System (the Practice Data) which is transmitted to the Primary Sense system for processing and storage (the Shared Data) where it is used by the software to populate the reports, notifications and alerts provided to users within the Practice.

The Shared Data is also provided to the PHN for further analysis and use in supporting the Practice and the PHN's core business for population health, community health needs analysis and health service design and commissioning. Permitted primary and secondary uses of the data extracted from Practices are defined in the Data Sharing + Software License Agreement, which also specifies that the data extracted includes the following:

- a) de-identified list of active patients at each Identified Practice;
 - b) de-identified list of staff at each Identified Practice;
 - c) pathologies ordered for each patient – test and interventions requested, as well as results (past five years only, except for certain genetic tests);
 - d) visits for each patient for linking to MBS items only (past five years only);
 - e) allergic reactions for each patient;
 - f) clinical history of diagnoses for each patient;
 - g) consultations for each patient (past five years only, excludes any progress notes);
 - h) list of documents for each patient (e.g. discharge summaries) (past five years only);
 - i) immunisations for each patient;
 - j) MBS service items for each patient (past five years only);
 - k) prescriptions for each patient (prescribed by a Practice practitioner) (past five years only);
 - l) medications for each patients (includes those entered but not prescribed by a Practice practitioner, e.g. specialist) (past five years unless ceased data is null);
 - m) observations for each patient (past five years only);
 - n) patient lifestyle records for each patient (e.g. smoking status, alcohol, etc.);
 - o) pregnancies for each patient;
 - p) appointment dates for each patient (in advance at least two weeks);
 - q) pap smear and cervical screening tests for each patient (past five years only); and
 - r) birth records for each patient.
- s) privacy-preserving data linkage keys that enable patient records to be linked across Practices and with other data sources without needing to provide any identifiable data to any third party.

The specific source database tables the above data is extracted from are different for each Practice Management System, and are defined in the following sections.

Practice Management Systems

Primary Sense extracts de-identified data only from General Practices. No data is extracted from any field that is defined as referring to any personally identifying characteristic such as name, date of birth, residential address, or Medicare number.

Data from fields containing identifying data is accessed (read) by the locally-installed Primary Sense software only in two specific circumstances:

1. the creation of unique, non-identifying keys for each patient or practitioner record to enable extracted data to be linked, aggregated and counted correctly; and
2. including patient and practitioner details in reports, notifications or alerts displayed to Primary Sense users locally within the Practice.

Identifying data is never sent out of the Practice and is never accessible to the central Primary Sense system, to any person or system from the PHN, or to any other third-party.

Liability Clarification

1. Primary Sense utilises algorithms and functions in creating the Shared Data that may add data that is not present in the Practice Data (i.e., that was not extracted from the Practice Management System). This means that the reports, alerts, notifications produced by Primary Sense may contain information that is not present in the Practice Management System.
2. The Shared Data is not created by the Practice’s Practice Management System, and any use of data from Primary Sense by the Practice has no bearing on the Practice Management System and does not create any liability or responsibility on the part of the vendor providing that Practice Management System.

Best Practice

Data extracted from locally-installed instances of Best Practice is sourced from the following database tables:

dbo.PATIENTS	dbo.CORRESPONDENCEIN	dbo.PREGNANCIES
dbo.USERS	dbo.IMMUNISATIONS	dbo.SCRIPTITEMS
dbo.INVESTIGATIONS	dbo.SERVICES	dbo.VISITREASON
dbo.Invoices	dbo.CURRENTRX	dbo.APPOINTMENTS
dbo.REACTIONS	dbo.OBSERVATIONS	dbo.PAPSMEAR
dbo.PASTHISTORY	dbo.REPORTVALUES	dbo.Births
dbo.VISITS	dbo.CLINICAL	

Medical Director

Data extracted from locally-installed instances of Medical Director is sourced from the following database tables:

dbo.CM_Patient	dbo.MD_Document	dbo.MD_PREGNANCY
dbo.CM_Resource	dbo.MD_IMMUNISATION	dbo.MD_PRESCRIPTION
dbo.MD_PATHOLOGY	dbo.SERVICE	dbo.MD_DIAGNOSIS
dbo.Visit	dbo.MD_RX	dbo.APPT
dbo.MD_REACTION	dbo.MD_MEASURE	dbo.MD_Pap_Smear
dbo.MD_HISTORY	dbo.MD_PATHOLOGY_ATOM	dbo.MD_Pregnancy_Outcome
dbo.MD_Progress	dbo.md_patient_clinical	