

# Primary Sense

## Clinical decision support for general practitioners

Primary Sense is an easy to use clinical decision support, population health management and data extraction tool that helps general practitioners (GPs) deliver the right care to patients at the right time.

The software extracts de-identified data from a general practice every three to five minutes. The de-identified data is securely transferred to a central database where it is run through analytics and evidence-based algorithms, including the [Johns Hopkins University ACG System](#) that identifies high-risk groups and predicts future health needs to improve a patient's care plan.

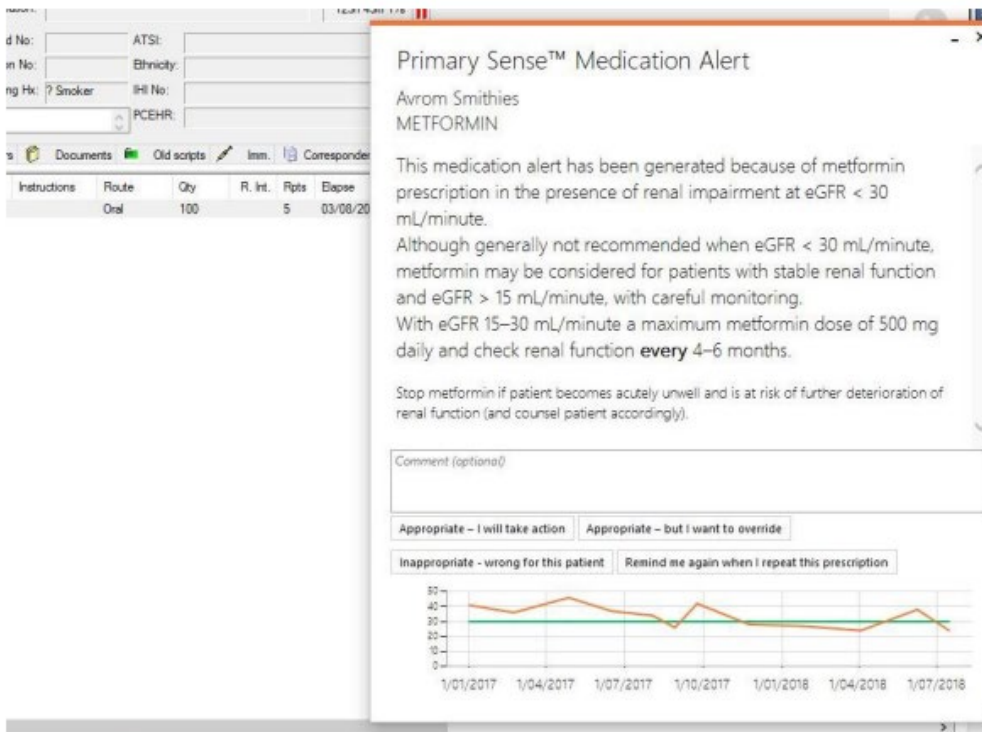
To help support clinical decisions, the processed data is presented back to GPs within the practice as real-time, on-screen medication alerts and patient-care prompts.

### Medication alerts at the point of prescribing

As an added safety net for GPs, Primary Sense provides real-time medication alerts at the point of prescribing.

For example, if a GP is about to prescribe a medication to a patient that may cause an issue, Primary Sense will display an immediate, on-screen medication alert (shown below) that includes an evidence-based rationale with links to references and graphs of the patient's relevant pathology results where possible.

#### Example of an alert. Graphs contain the patient's actual clinical results



**Primary Sense™ Medication Alert**

Avrom Smithies  
METFORMIN

This medication alert has been generated because of metformin prescription in the presence of renal impairment at eGFR < 30 mL/minute.

Although generally not recommended when eGFR < 30 mL/minute, metformin may be considered for patients with stable renal function and eGFR > 15 mL/minute, with careful monitoring.

With eGFR 15–30 mL/minute a maximum metformin dose of 500 mg daily and check renal function **every 4–6 months**.

Stop metformin if patient becomes acutely unwell and is at risk of further deterioration of renal function (and counsel patient accordingly).

Comment (optional)

Appropriate – I will take action    Appropriate – but I want to override

Inappropriate - wrong for this patient    Remind me again when I repeat this prescription

Instructions	Route	Qty	R. Int.	Rpts	Elapse
	Oral	100		5	03/08/20



Scan for a short video about medication alerts

After reviewing the medication alert, the GP can select the appropriate action and write a comment. For more information, refer to the [manual](#) or [video](#) about medication alerts.

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*Whilst all care has been taken in preparing this document, this information is a guide only and subject to change without notice. Disclaimer: While the Australian Government has contributed funding support for this resource the information contained within it does not necessarily represent the views or policies of the Australian Government and has not been endorsed by the Australian Government.*

## Patient-care prompts

Primary Sense provides GPs with on-screen prompts for at-risk patients, highlighting potential gaps in care, together with the patient's Complexity Score and Hospital Risk Score according to the [Johns Hopkins University ACG System](#). Prompts are particularly useful for at-risk patients who see different GPs.

The on-screen prompts (shown below) appear at the time of consult when the patient file is open in the clinical software. The prompt window displays a maximum of three elements, prioritised from the top down.



**Primary Sense™ Prompt**  
 K Martin, 71 y/o, U Ryan  
 Complexity Score 5/5    Chronic Conditions 4    Hospital Risk Score 87%

Please indicate your actions:

Due Influenza Vaccination - check COVID vax  
 Last not available

Due Care Plan  
 Last not available

Due Medication Review

Comment (optional)

Prompt not meant for me     Submit Comment

Give me more time     Close

**GO**  Primary Sense™ Prompt  
 For K. Martin  
 Due Influenza Vaccination - check  
 COVID vax  
 Due Care Plan



**Primary Sense™ Prompt**  
 N Walker, 45 y/o, K Ryan  
 Complexity Score 2/5    Chronic Conditions 1    Hospital Risk Score 0%

Please indicate your actions:

Missing CV Risk Medication

Due Heart Health Check Assessment

Due Microalbumin Pathology  
 Last not available

Comment (optional)

Prompt not meant for me     Submit Comment

Give me more time     Close

**GO**  Primary Sense™ Prompt  
 For N Walker  
 Missing CV Risk Medication  
 Due Heart Health Check Assessment  
 Due Microalbumin Pathology



Scan for a short video about Primary Sense and prompts

After reviewing the prompts, the GP can select the appropriate action and write a comment. The prompts can be reviewed at the end of the day if needed. For more information, refer to the [manual](#) about prompts or the [video](#) about Primary Sense and prompts.

## Further information

For further information about Primary Sense:

- Contact the Practice Assist team to book a time that suits your practice and staff. Call 1800 2 ASSIST (1800 2 277 478) or email [practiceassist@wapha.org.au](mailto:practiceassist@wapha.org.au)
- Visit the [Primary Sense webpage](#) in the Practice Assist Tool Kit.