



phn
GOLD COAST
An Australian Government Initiative



Gold Coast Primary Health Network

Focusing on Primary Sense medication safety alerts for beginners

Medication safety alerts

- An alert is a real-time notification of a potential safety issue when the GP starts to prescribe a pre-identified medication for the patient
- The alerts were determined by a clinical reference group, who searched on existing indicators and drug warnings
- The Clinical reference group completed a review of current GP prescribing guidelines, particularly where drug related safety issues are an issue

Primary Sense™ Medication Alert

N Campbell
LANOXIN

Possible renal impairment: This alert is being generated because of the digoxin dose and current renal impairment. The risk of digoxin toxicity should be considered. Digoxin is predominantly renally cleared (about 70%). Recommended maximal doses are CrCl 10–30 mL/minute, oral 62.5–125 micrograms once daily. CrCl.

Please note results in PDFs can not be read.

Recommendations

A check of serum digoxin levels at least 6 hours post dose and a review of patient symptoms is recommended.



Medication safety alerts

- Primary Sense checks the practice every two seconds for a new medication being prescribed to see if the patient the medication is for is at risk if it's prescribed
- If an alert is triggered it appears within seconds on the GP's screen, the GP is presented with the reason for the alert and the recommendations / further information / links to information

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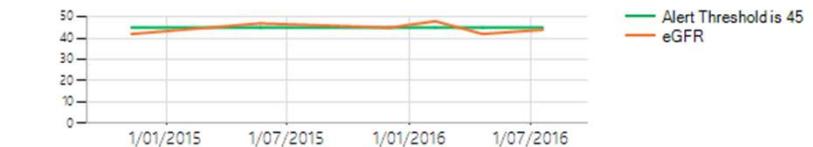
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Recommendations

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Comment (optional)

Patient results (Click chart for more details)



Medication safety alerts

- Alerts have four options for the GP to select

- Appropriate – I will take action
- Appropriate – but I want to override
- Inappropriate – wrong for this patient
- Remind me again when I repeat this prescription
- Not relevant to me

- When the GP makes a selection, anything other than remind me next time will disable that alert for that GP and that patient for 12 months
- Not relevant to me is in case a GP is logged on at more than one PC as the alert will go to both

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Recommendations

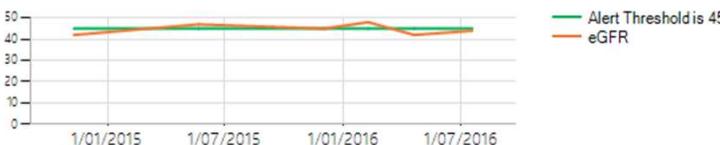
A check of serum digoxin levels at least 6 hours post dose and a review of patient symptoms is recommended.

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 Not relevant to me

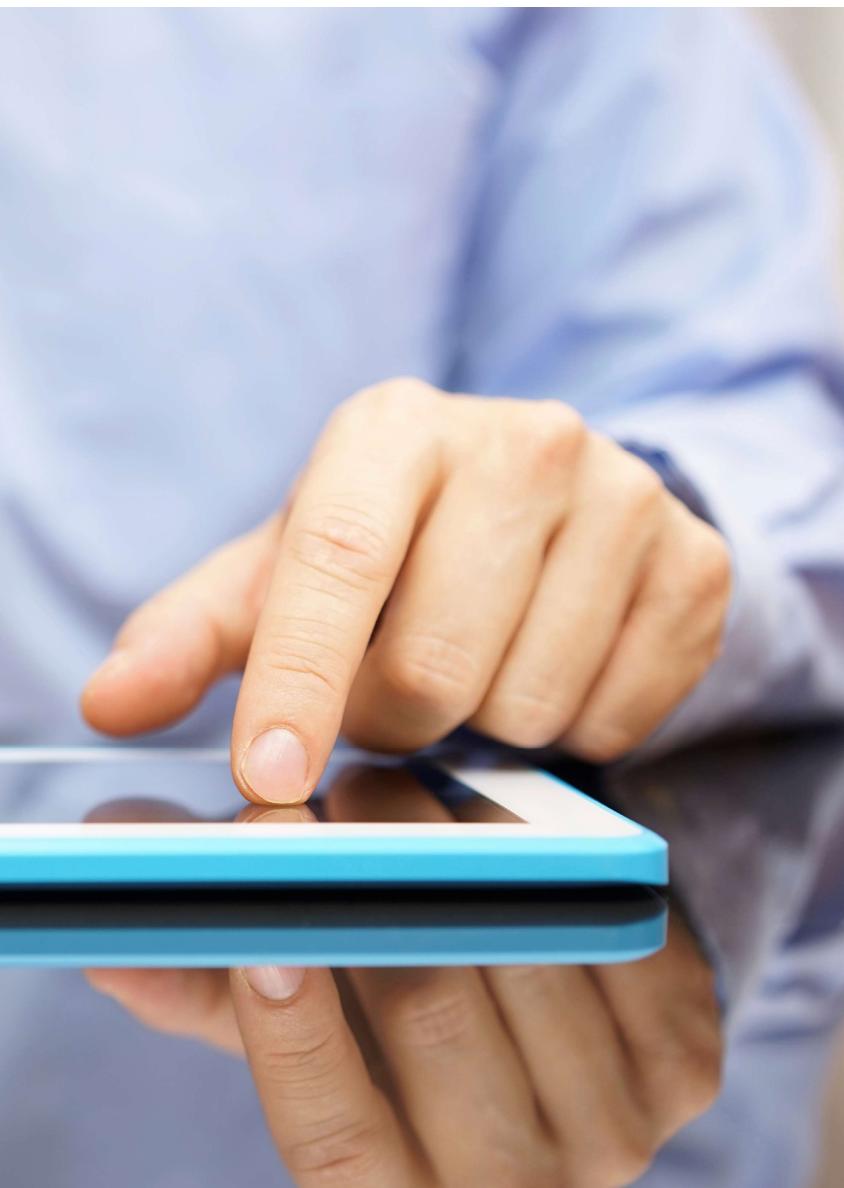
Patient results (Click chart for more details)



Current Medication safety alerts

- Prescribing Azothioprine/ Mercaptopurine without thiopurine methyltransferase (TPMT) testing
- Prescribing an immunosuppressive drug without laboratory tests within the last 6 months
- Prescribing a biological drug without laboratory tests within the last 6 months
- Prescribing an antipsychotic drug without laboratory test within the last 12 months
- Prescribing metformin where latest eGFR <30ml/min
- Prescribing digoxin where latest eGFR < 45 ml/min
- Prescribing a bisphosphonate drug for osteoporosis where latest eGFR <35ml/min



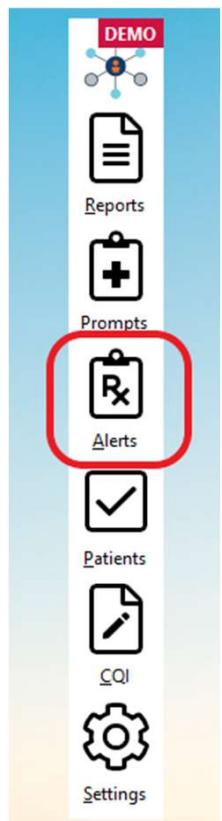


Current Medication safety alerts

- Prescribing an anti-platelet drug where there is history of peptic ulcer or gastrointestinal bleed and no gastroprotection
- Prescribing a fentanyl patch where there is non-cancer pain
- Prescribing a combined hormonal contraceptive where there is a history migraine
- Prescribing a hypoglycaemic drug (other than single preparation metformin) in patients ≤ 75 yrs where latest HbA1c $< 6.5\%$ ($<48\text{mmol}$)
- Prescribing a hypoglycaemic drug (other than single preparation metformin) in patients >75 yrs where HbA1c $< 7\%$ ($<53\text{mmols}$)

Managing medication safety alerts using Primary Sense Desktop

- To switch an alert off double, click on the title



Primary Sense™ Alerts

This screen shows how you have managed alerts so far today.

My Alerts History Settings

Double-click an alert to opt in or out.

Opted In / Out	Alert
<input checked="" type="checkbox"/> Opted In	Prescribing Azothioprine/Mercaptopurine without thiopurine methyltransferase testing (TPMT)
<input checked="" type="checkbox"/> Opted In	Prescription Metformin where latest eGFR < 30ml/min
<input checked="" type="checkbox"/> Opted In	Prescribing biological medication without lab tests within the last 6 months
<input checked="" type="checkbox"/> Opted In	Prescribing Immunosuppressive drugs without lab tests within the last 6 months
<input checked="" type="checkbox"/> Opted In	Prescribing an anti-platelet drug where there is a history of peptic ulcer or gastrointestinal bleed and no gastroprotection
<input checked="" type="checkbox"/> Opted In	Prescribing antipsychotic medication without lab test within the last 12 months
<input checked="" type="checkbox"/> Opted In	Prescribing a combined hormonal contraceptive where there is a history of migraine
<input checked="" type="checkbox"/> Opted In	Prescription of hypoglycaemics other than simple metformin in elderly patients (age>=75) with HbA1c < 7.0(53mmol/mol)
<input checked="" type="checkbox"/> Opted In	Prescription of fentanyl patch in non-cancer pain
<input checked="" type="checkbox"/> Opted In	Prescription of digoxin where latest eGFR < 45 ml/min
<input checked="" type="checkbox"/> Opted In	Prescribing a bisphosphonate medication for Osteoporosis where latest eGFR < 35 ml/min
<input checked="" type="checkbox"/> Opted In	Prescription of hypoglycaemics other than simple metformin in patients (age<75) with HbA1c < 6.5 (48mmol/mol)



An Australian Government Initiative

Building one world class health service for the Gold Coast

Level 1, 14 Edgewater Court Robina QLD 4226

www.gcphn.org.au

ABN: 47 152 953 092