

Medication Safety Alerts affected by Missing Pathology Results

Most Medication Safety Alerts rely solely on pathology results in conjunction with diagnosis and medications.

Medication Safety Alert Name
Prescribing a bisphosphonate medication for Osteoporosis where latest eGFR < 35 ml/min
Prescribing antipsychotic medication without lab test within the last 12 months
Prescribing Azathioprine/Mercaptopurine without thiopurine methyltransferase testing (TPMT)
Prescribing biological medication without lab tests within the last 6 months
Prescribing Immunosuppressive drugs without lab tests within the last 6 months
Prescription Metformin where latest eGFR < 30ml/min
Prescription of digoxin where latest eGFR < 45 ml/min
Prescription of hypoglycaemics other than simple metformin in elderly patients (age ≥ 75) with Hba1c < 7.0 (53mmol/mol)
Prescription of hypoglycaemics other than simple metformin in patients (age < 75) with Hba1c < 6.5 (48mmol/mol)

The remaining 3 Medication Safety Alerts are not affected by missing pathology results.

Prescribing a combined hormonal contraceptive where there is a history of migraine
Prescribing an anti-platelet drug where there is a history of peptic ulcer or gastrointestinal bleed and no gastroprotection
Prescription of fentanyl patch in non-cancer pain

Reports affected by Missing Pathology Results

‘CV Risk (old HF calculator) Missing Dual Therapy’ uses pathology to calculate the risk score so is significantly affected by missing pathology results.

Other reports are affected to a smaller degree, since the pathology result constitutes only one among several calculation metrics.

Report Name	Pathology Result
Cardiovascular Disease Management	Lipid tests
Cardiovascular Disease Risk Factors	Lipid tests
Diabetes Mellitus	Hba1c, renal test
Haemochromatosis	Iron tests
Health Assessments (40-49 yr old table)	Fasting glucose
Hypertension Management	Renal tests
Patients booked in with missing PIP QI measures	Hba1c, lipid tests
PIP QI report - 10 measures	Hba1c, lipid tests
Patients missing PIP or accreditation measures	Hba1c, lipid tests
CKD management	Renal tests

Clinical Audits affected by Missing Pathology Results

Clinical Audit Name	Pathology Result
Patients with eGFR < 60 (Audit 1)	eGFR