

Pharmacogenomic Testing for Psychiatrists



Genotype-guided prescribing, built for complex cases.

A 2024 meta-analysis found PGx-guided antidepressant prescribing made patients 41–78% more likely to achieve remission · 20–49% more likely to respond compared with treatment-as-usual.¹

Referrer link: <http://pgx.tbmh.org.au>



SCAN TO REFER

PANEL COVERAGE — PSYCHIATRY-RELEVANT GENES

GENE	CLINICAL RELEVANCE	REPRESENTATIVE MEDICATIONS
CYP2D6	Metabolism of most SSRIs, TCAs, atypical antipsychotics; copy-number variation considered	Fluoxetine, paroxetine, venlafaxine, risperidone, aripiprazole, atomoxetine, codeine, tramadol
CYP2C19	Primary metaboliser for several SSRIs; UM/PM phenotypes drive dose change	Citalopram, escitalopram, sertraline, amitriptyline, clomipramine
CYP2B6	Bupropion metabolism; PMs at risk of reduced efficacy & elevated metabolite	Bupropion, methadone
CYP3A4 / 3A5	Quetiapine, methadone, oxycodone — relevant in polypharmacy	Quetiapine, methadone, oxycodone, alprazolam
HLA-B *15:02 / *57:01	SJS/TEN risk with carbamazepine, oxcarbazepine; abacavir hypersensitivity	Carbamazepine, oxcarbazepine, phenytoin, lamotrigine

Full panel includes 21 genes spanning psychiatry, neurology, pain, cardiovascular and oncology — see the accompanying Medication Quick Reference List for the complete formulary.

PATIENTS WHO MAY BENEFIT

Treatment-resistant depression	Anxiety, non-response to SSRI/SNRI	Adverse effects on standard doses	Polypharmacy review
ADHD pharmacotherapy planning	Chronic pain & opioid prescribing	Pre-emptive testing in complex patients	Family history of medication sensitivity

HOW IT WORKS

STEP 1 Refer your patient Complete the online form or send the practice software compatible template via Medical Objects. Patient will receive an email with a link to purchase their PGx kit.	STEP 2 Sample collected Once purchased, the kit is couriered to your patient with a buccal swab, consent form and return mailer to our NATA-accredited lab.	STEP 3 Clinical report An easy-to-read PGx report with medication guidance will be returned within 2–3 weeks.	STEP 4 Shared with you Results are sent to you through our secure portal or via Medical Objects with a notification to the patient to organise a consultation.
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For specialist-to-specialist queries, case discussions, or to arrange in-house testing for your patients at Brain & Mind Hub Sunshine Coast, contact our clinical team directly. Specialist referrals valid 3 months.

1. <https://www.nature.com/articles/tp201257>

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