



**ADULT MEDICATION GUIDELINE**

**Metformin**

<b>Scope (Staff):</b>	All WNHS Staff
<b>Scope (Area):</b>	Obstetrics and Gynaecology

This document should be read in conjunction with the [Disclaimer](#).

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**Restrictions**

[Formulary: Unrestricted](#)

**Medication Class**

Biguanide

**Presentation**

**Tablet (*Immediate Release*):** 500mg, 850mg

**Tablet (*Modified Release*):** 500mg, 1000mg

**Storage**

Store at room temperature, below 25°C

**Dose**

**Type 2 Diabetes**

**Oral:**

*Immediate Release:* Initially 500mg one to three times daily. May be increased up to 850mg two to three times daily according to response. Maximum daily dose: 3000mg.

*Extended Release:* Initially 500mg once daily with the evening meal. May be increased up to 2000mg once daily. When changing from conventional tablets (Immediate release) start with the patient's usual daily dose. If >2000mg daily is required, use conventional tablets.

**Polycystic Ovary Syndrome****Oral:**

Initially 500mg once daily, increase by 500mg increments at weekly intervals as tolerated; usual range 1.5–1.7g daily in 2 or 3 doses.

**Administration****Oral**

Take with or soon after food.

*Modified Release:* Swallow whole, do not crush or chew.

**Monitoring**

Blood glucose levels, HbA<sub>1c</sub>, vitamin B<sub>12</sub>, renal function (dose reduction may be required when CrCl <90mL/min)

**Pregnancy**

**1<sup>st</sup> Trimester:** Monitoring required

**2<sup>nd</sup> Trimester:** Monitoring required

**3<sup>rd</sup> Trimester:** Monitoring required

Consult Diabetes Physician regarding use in pregnancy

**Breastfeeding**

Considered safe to use

**Related Policies, Procedures & Guidelines****KEMH Clinical Guidelines:**

[Diabetes in Obstetrics and Gynaecology](#)

[Pregnancy Post-Bariatric Surgery – Dietary Management](#)

**KEMH Pharmaceutical & Medicines Management Guidelines:**

[Medication Administration](#)

[Pre-operative Medication Management](#)

## References

Australian Medicines Handbook. Metformin. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2023 [cited 2023 Mar 23]. Available from: <https://amhonline.amh.net.au/>

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