

Metformin manages type 2 diabetes

helps control blood glucose by improving bodies insulin
Metformin works by reducing glucose production in the liver, increases insulin sensitivity & decreases glucose absorption. We expected reduced blood glucose levels (ADA, 2022) (McCreight, 2021)

Starting dose: 500mg
once or twice daily
max dose per day
2000 - 2500 mg
(ADA, 2022)

monitor blood glucose,
HbA1C, creatine, eGFR,
& Vitamin B12 levels
Red Flags: Lactic acidosis
(NICE, 2022) GI disturbances

Generic name
Metformin
Brands:
Glucophage, XR
Fortamet, Biomet

Metformin's administered orally

Pharmacologic class: Biguanide
Therapeutic class: Antidiabetic agent (McCreight, 2021)

Common side effects: vomiting, diarrhea,
Vitamin B12 deficient, abdominal pain, renal
impairment (NICE, 2022)

American Diabetes Association (2022).
Standards of Medical care in diabetes -
2022. Diabetes Care.

McCreight, L. J. Bailey, C. J., & Pearson, E. R., (2021)
Metformin and the Gastrointestinal.

National Institute for Health & Care Excellence
(NICE) 2022. Type 2 diabetes in adults:
Management (NICE Guideline NG28).