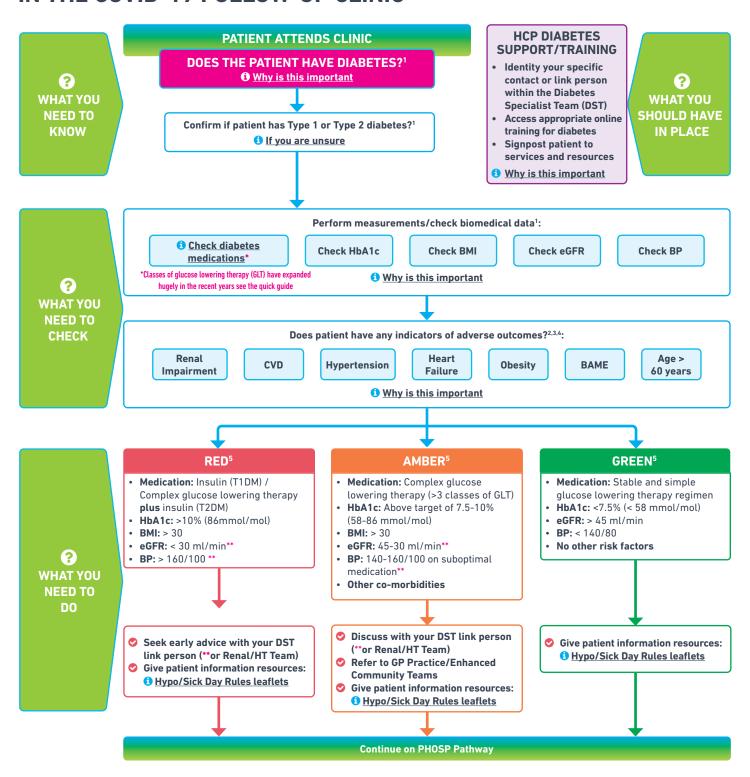
# PATHWAY FOR PERSON WITH DIABETES IN THE COVID-19 FOLLOW-UP CLINIC



## PATHWAY GUIDANCE/INFORMATION

#### **DOES THE PATIENT HAVE DIABETES?**

- 30% of patients hospitalised with COVID-19 have diabetes<sup>1</sup>
- 10 People with type 1 and type 2 diabetes have a relative increased risk of in-hospital mortality from COVID-19 (T1DM x 3, T2DM x 2)

#### PERFORM MEASUREMENTS/CHECK BIOMEDICAL DATA:

- 1 Increased COVID-19 related mortality was not just associated with cardiovascular and renal complications of diabetes but also glycaemic control and BMI<sup>1</sup>
- 1 There was a correlation for HbA1c above 7.5% in type 2 diabetes and a HbA1c of 10% or higher in type 1 diabetes and increased the COVID-19 mortality rates<sup>1</sup>

#### DOES PATIENT HAVE ANY MARKERS OF ADVERSE OUTCOMES?

- Male sex, old age, renal impairment, non-white ethnicity, social economic deprivation, a previous stroke and heart failure were also indicators of increased COVID-19 related mortality.<sup>2</sup>
- Diabetes status increases the need for medical interventions during COVID-19 and increased mortality risk patients with COVID-19. Well controlled blood glucose levels correlated with improve outcomes in infected patients<sup>3</sup>
- Association between COVID-19 related deaths and deprivation. There was substantially more deaths in the most deprived areas than in the least deprived areas, particularity individuals with type 1 and type 2 diabetes than those without diabetes<sup>4</sup>

#### **HCP DIABETES SUPPORT/TRAINING**

Short blended / digital education interventions for HCP (including non specialists) to enable safe and ongoing care for people living with diabetes (Type 1 and 2) with COVID-19.

Areas that are included:

- CaReMe (Cardiac, Renal and Metabolic care of the person with multimorbidity)
- Metabolic control, 3Ts, BP/ Weight
- Mortality and COVID-19
- Lifestyle support
- Risk of T2DM
- Psychological Support
- Sick day rules / hypo/ hyper/ SGLT2i / ACEi / ARB / Metformin
- ABCD: <u>www.abcd.care/dtn/education</u>

Potential stages of HCP education and Patient intervention:

- Prevention
- Inpatient
- Primary Care post admission or COVID-19 with non-admission
- COVID-19 new diagnosis of diabetes following COVID-19 admission?
- Long COVID-19 will be in rehab pathway

For more information contact us on:

- · www.edendiabetes.com
- · eden@uhl-tr.nhs.uk

#### PATIENT DIABETES SUPPORT/TRAINING

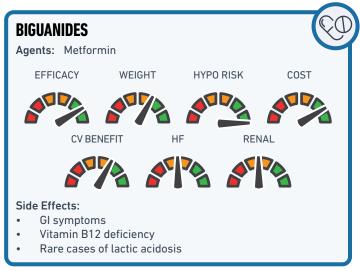
Some trusted sources of information include:

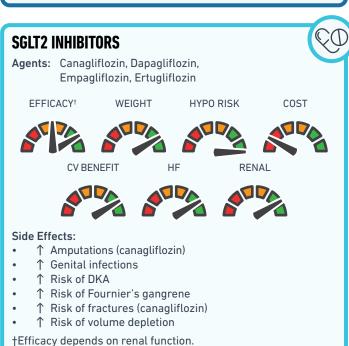
- NHS: www.nhs.uk/conditions/diabetes/
- Diabetes UK: www.diabetes.org.uk
- Leicester Diabetes Centre: <u>www.leicesterdiabetescentre.org.uk</u>
- MyDESMOND Education Programme: <u>www.mydesmond.com</u>
- ABCD: <u>www.abcd.care/dtn/education</u>
- MyType1Diabetes: www.mytype1diabetes.nhs.uk
- T1 Resources: www.t1resources.uk

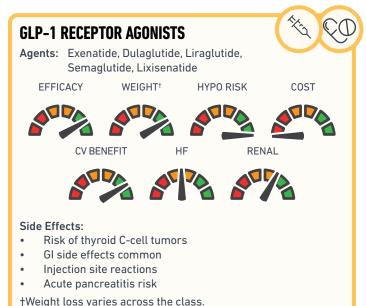
### REFERENCES

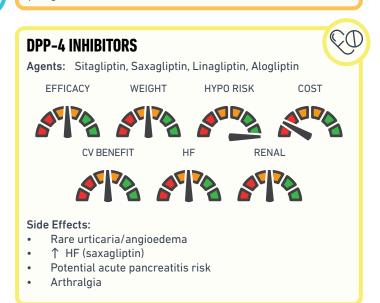
- 1. Holman et al. Lancet Diabetes Endocrinol 2020; 8: 823-33
- 2. Williamson et al. Nature 2020; 584: 430–436.
- 3. Zhu et al. Cell Metab 2020; Jun 2;31(6):1068-1077.e3.
- 4. Barron et al. Lancet Diabetes Endocrinol. 2020; 8: 813–22
- 5. ABCD. A Quick guidance to Risk Stratification and recovery of Diabetes Services In the post Covid-19 Era 2020

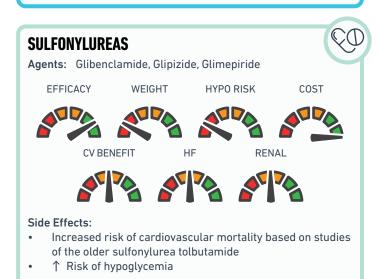
## QUICK GUIDE TO GLUCOSE LOWERING AGENTS (EXCLUDING INSULIN)

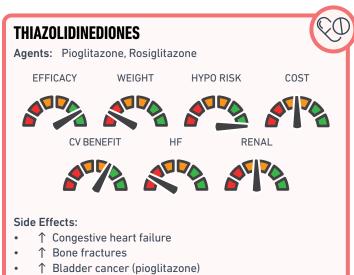












↑ Fluid retention (edema)