



The ABCD Nationwide Dexcom Audit – Objectives

ABCD is setting up a nationwide audit of Dexcom CGM devices in real-world clinical use in the UK. The aim will be to ascertain whether the experience in the real-world matches the data from clinical trials. Clinicians caring for individuals using Dexcom CGM will be invited to submit the data that they routinely collect during clinical encounters as they monitor the progress of their patients to the nationwide audit.

An secure online tool has been developed on the NHS computer network, to make this process as easy and user friendly as possible; whilst also secure and anonymised and compliant with information governance requirements. As well as adding to the national dataset, this tool will provide data for download by clinicians for their local area to help support further roll-outs, business cases and assess performance.

ABCD hopes to gain insight into efficacy of Dexcom CGM with the hopes that the nationwide audit will inform future practice and guidelines. From the data submitted in the audit ABCD hopes it might be able to quantify and analyse in detail:

- What are the indications for using Dexcom CGM?
- Who is using Dexcom CGM? Is there evidence of appropriate uptake in more deprived communities, older individuals and across ethnicities?
- What proportion of patients using Dexcom devices have Type 1 diabetes as opposed to other forms of diabetes
- Is Dexcom CGM associated with reductions in HbA1c and improvements in sensor glucometrics?
- What are the reasons for stopping Dexcom monitoring; are there any common adverse events?
- What is the impact of prior structured education on outcomes with Dexcom use?
- What are the effect on NHS resources of usage of Dexcom, including hospital admissions and ambulance callouts for hypoglycaemia?
- What are the impacts of Dexcom usage on hypoglycaemia awareness and severe hypoglycaemia?
- What is the impact Dexcom on diabetes distress?
- Do outcomes differ between Dexcom One, G6 and G7 in the real-world?

- How satisfied are patients with the use of Dexcom and do they prefer it to their previous method of blood glucose monitoring?

Please note: individuals using Dexcom CGM as part of a closed-loop system are asked to submit the data to the Closed-Loop audit instead.