



GDM-Health™

The evidence-based, patient app-to-clinician system, transforming the management of diabetes in pregnancy.

Sensyne Health aims to provide regulated digital products to the NHS at an affordable price.

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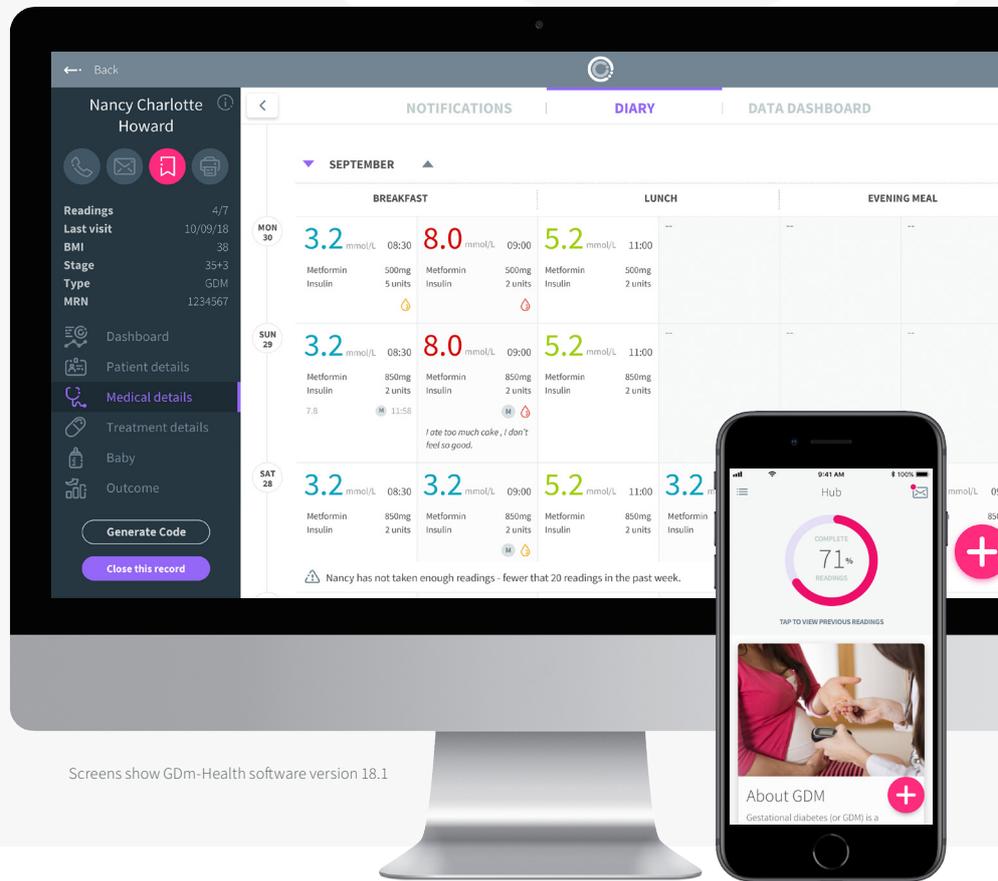
Invented in the NHS for the NHS, as a direct response to clinical need
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Can reduce the number of appointments with diabetes specialist doctors by 47%¹
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Can reduce average time to intervention by 21%¹
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Facilitates better patient engagement with 92% of women using GDM-Health through to birth²
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Listed on the NHS Digital Apps Library and ORCHA database.



Screens show GDM-Health software version 18.1

GDM-Health has been developed to support clinical services manage the increasing number of pregnant women diagnosed with diabetes.

GDM-Health is underpinned by a rich source of clinical evidence³, gathered as a result of extensive clinical evaluations.

- Electronic transfer of data
- Real-time remote transmission of BG results
- Real-time feedback and proactive outreach
- Enables prioritisation of patients
- Facilitates team-based working
- BGs and other information recorded electronically – supports meaningful audit



Digitising the GDM care pathway

A unique collaboration between the University of Oxford (OU), the Oxford University Hospitals NHS Foundation Trust (OUH) and Sensyne Health has developed a direct patient-to-clinician blood-glucose-monitoring management system to support pregnant women with diabetes, and allowing clinicians to review real-time patient-annotated BG results submitted via a smartphone app.

A 203 patient Randomised Controlled Trial (RCT)⁴ showed use of GDM-Health was associated with:

- 64% reduction in pre-term births**
- 16% reduction in women transitioning to pharmacological treatment**
- Significantly higher patient satisfaction with care (P=.049)
- Significantly better compliance with BG monitoring increased from 61% to 80% (P<.001)
- Significant reduction in caesarean sections 27% v 46% (P=.005)

A six month comparative study of GDM-Health at Royal Surrey Hospitals NHS Trust¹ demonstrated transformative results, including:

- 21% reduction in mean time to intervention
- 47% reduction in the number of appointments with diabetes specialist doctors
- 100% of women using GDM-Health declared themselves happy with the care provided by the diabetes team

The clinical and business case

NHS England has cited in its 5 Year Forward Plan⁵ a series of priorities, which includes improvement to maternity services, as well as improving efficiency through the use of innovative technologies; delivering paperless at point of care and enabling greater patient self-management. The opportunity therefore exists to meet a number of these objectives through the adoption of GDM-Health: realising significant cost-savings through reduced hospital visits and as a direct result of potentially improving outcomes for women and babies.

This proven approach will enable clinicians to deliver better, value-based care for women and babies, contributing greatly to the future health of NHS maternity and obstetric services.

“ The GDM-Health system has helped to transform the way we deliver care for women with diabetes in pregnancy. ”

Rachel Crowley, Former Diabetes Specialist Midwife, Royal Berkshire NHS Foundation Trust

CE This product is classified as a Class I medical device that complies with the essential requirements of Directive 93/42/EEC and following amendments.

- 1 'Novel Way to Deliver Care to Women with GDM through the Use of Cloud Technology' Royal Surrey County Hospital poster presentation at Diabetes in Pregnancy conference, November 2019
- 2 Hirst JE, Mackillop L, Loerup L, Kevat DA, Bartlett K, Gibson O, Kenworthy Y, Levy JC, Tarassenko L, Farmer A. Acceptability and user satisfaction of a smartphone-based, interactive blood glucose management system in women with gestational diabetes mellitus. J Diabetes Sci Technol. 2015 Jan;9(1):111-5
- 3 Refer to www.sensynehealth.com/gdm for full list of clinical evidence
- 4 Mackillop L, Hirst JE, Bartlett KJ, Birks JS, Clifton L, Farmer AJ, Gibson O, Kenworthy Y, Levy JC, Loerup L, Rivero-Arias O, Ming WK, Velardo C, Tarassenko L: 'Comparing the Efficacy of a Mobile Phone-Based Blood Glucose Management System With Standard Clinic Care in Women With Gestational Diabetes: Randomized Controlled Trial' JMIR Mhealth Uhealth 2018;6(3):e71
- 5 <https://www.england.nhs.uk/five-year-forward-view>

* Product images depicted are illustrative of software version 18.1. Earlier versions of the software are currently in use by UK NHS organisations.

**Results did not reach statistical significance

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