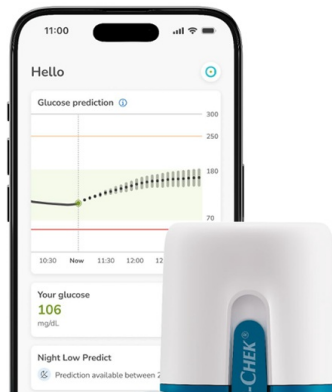


## IBM and Roche Co-Created an Innovative Solution to Support People with Diabetes in their Daily Lives with AI-Enabled Glucose Predictions

- AI-enabled continuous glucose monitoring app provides supportive predictions for people with diabetes.
- IBM watsonx helps to speed up the analysis of clinical data.
- The project will be presented and displayed at this year's Swiss Economic Forum.



*©Roche Diabetes Care GmbH, 2025. All rights reserved.*

**ZURICH, Switzerland, June 2, 2025**– IBM (NYSE: [IBM](#)) and Roche used their collective innovation power and have developed an AI-enabled solution to ease the daily diabetes management: Roche's Accu-Chek<sup>®</sup> SmartGuide Predict app. This solution underpins the importance of cross-industry collaboration and teamwork to support people with diabetes in their daily lives and the provision of healthcare. The solution, which was launched in Switzerland a few months ago, is one of the case studies that will be presented during this year's Swiss Economic Forum in Interlaken, Switzerland, on June 5-6. The project is a good example for digital innovation and successful cross-industry partnerships.

Roche's Accu-Chek SmartGuide Predict app, resulting from the combination of the extensive healthcare and digital expertise of the companies, is designed to enable people with diabetes to better manage their glycemic control with the help of an AI-enabled solution. Being paired with Roche's Accu-Chek SmartGuide continuous glucose monitoring (CGM) sensor, the Accu-Chek SmartGuide Predict app uses predictive algorithms informed by real-time glucose values and allows for insights to improve glycemic control and reduce the risk of hypoglycemia or hyperglycemia.

### AI-enabled functions to support daily diabetes management

Both companies joined forces to address the unmet needs of people with diabetes in their everyday therapy routine, such as fear of hypoglycemia or nocturnal hypoglycemia. The AI-powered features of the Accu-Chek SmartGuide Predict app are designed to support patients with actionable information, empowering them to make preventive therapy decisions, and take proactive interventions. The app utilizes Roche's real-time CGM sensor data and user-entered information to assist people with diabetes with three key predictive functionalities that all show state-of-the-art accuracy and performance<sup>1</sup>:

- **Glucose Predict:** a continuous forecast that visualizes glucose ranges over the next 2 hours, allowing for continuous anticipation of potential adverse glyceemic events;
- **Low Glucose Predict:** a continuous watchdog for hypoglycemia, warning people with diabetes up to 30 minutes before a hypoglycemic event occurs;
- **Night Low Predict:** a night guardian, estimating the risk of hypoglycemia during the 7-hour night before people with diabetes go to bed, to inform if any preventive measures, such as eating a bedtime snack, should be considered before falling asleep.

## Speeding up analysis of clinical data with the support of AI

Manual analysis of clinical study data can be time-consuming and resource intensive. To expedite this process, IBM and Roche developed a custom tool using advanced technologies like large language models on IBM's data and AI platform [IBM watsonx](#). The tool enhances the workflow and thus reduces the time required for analyzing study data, digitizing, translating, and categorizing anonymized, unstructured clinical data. By linking CGM data with participants' daily activities, the tool helps to identify notable deviations and correlations, enhancing the overall study analysis.

## Combining scientific approach and domain expertise in healthcare and technology

The Accu-Chek SmartGuide Predict app and the study analysis tool are good examples of successful collaboration between IBM and Roche. They highlight the importance of combining scientific approaches with domain expertise in healthcare and technology.

"By harnessing the power of AI-enabled predictive technology, Roche's Accu-Chek SmartGuide Predict App can help empower people with diabetes to take proactive measures to manage their disease," says **Moritz Hartmann, Head of Roche Information Solutions**. "Our long-standing partnership with IBM underscores the potential of cross-industry innovation in addressing unmet healthcare needs and bringing significant advancements to patients faster. Using cutting-edge technology such as AI and machine learning helps us to accelerate time to market and to improve therapy outcomes at the same time."

"The collaboration with Roche underlines the potential of AI when it's implemented with a clear goal - assisting patients in managing their diabetes. With our technology and consulting expertise we can offer a trusted, customized and secure technical environment that is essential to enable innovation in healthcare.", adds **Christian Keller, General Manager, IBM Switzerland**

*References: <sup>1</sup>Herrero, P, et al. Journal of Diabetes Science and Technology. 2024;18(5):1014-1026. (2024)*  
<https://doi.org/10.1177/19322968241267818>

## About IBM

IBM is a leading provider of global hybrid cloud and AI, and consulting expertise. We help clients in more than 175 countries capitalize on insights from their data, streamline business processes, reduce costs and gain the competitive edge in their industries. Thousands of governments and corporate entities in critical infrastructure areas such as financial services, telecommunications and healthcare rely on IBM's hybrid cloud platform and Red Hat OpenShift to affect their digital transformations quickly, efficiently and securely. IBM's breakthrough innovations in AI, quantum computing, industry-specific cloud solutions and consulting deliver open and flexible options to our clients. All of this is backed by IBM's long-standing commitment to trust, transparency, responsibility, inclusivity and service.

**Media Contacts:**

Stephen Funk  
IBM Communications  
[stephen.funk@ch.ibm.com](mailto:stephen.funk@ch.ibm.com)

*Accu-Chek is a trademark of Roche. All trademarks used or mentioned in this release are protected by law.*

---

<https://stage.mediaroom.com/ibmnewsroom/2025-06-02-ibm-and-roche-co-created-an-innovative-solution-to-support-people-with-diabetes-in-their-daily-lives-with-ai-enabled-glucose-predictions>