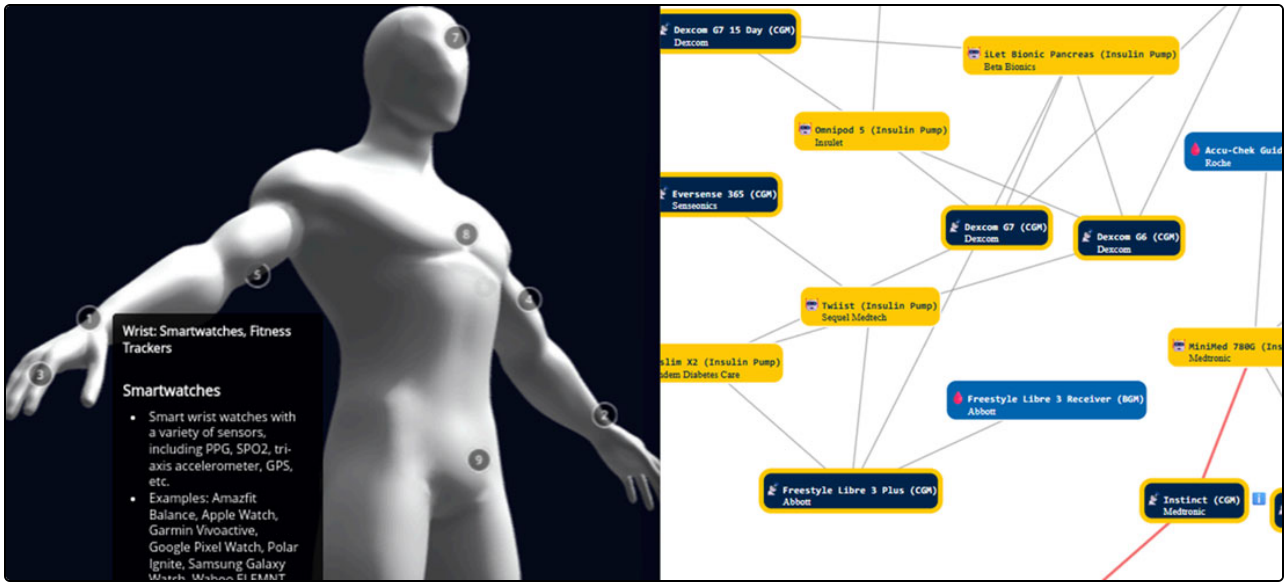
Mobile Technologies for Research: Illustrations

DOI 10.5281/zenodo.18165506

Summary

The *DepressionCenter/mobile-tech-illustrations* code repository is an open source collection of diagrams and 3D models showcasing mobile technologies devices used in research, such as wearables, nearables, intermittent wearables, and smartphone sensors. Initially created for the MeTRIC Symposium, it features interactive human body models with wearable placements, network node diagrams showing compatibility between different glucose and insulin devices, and more.



View Code on GitHub

Quick Start Guide

- Click on an illustration from the list in the main README file on GitHub
- Each illustration contains a separate README file with a preview and detailed description, a source directory with the original files, and an output directory with ready-to-view exports
- Whenever possible, we use open source or de facto industry-standard formats for interoperability

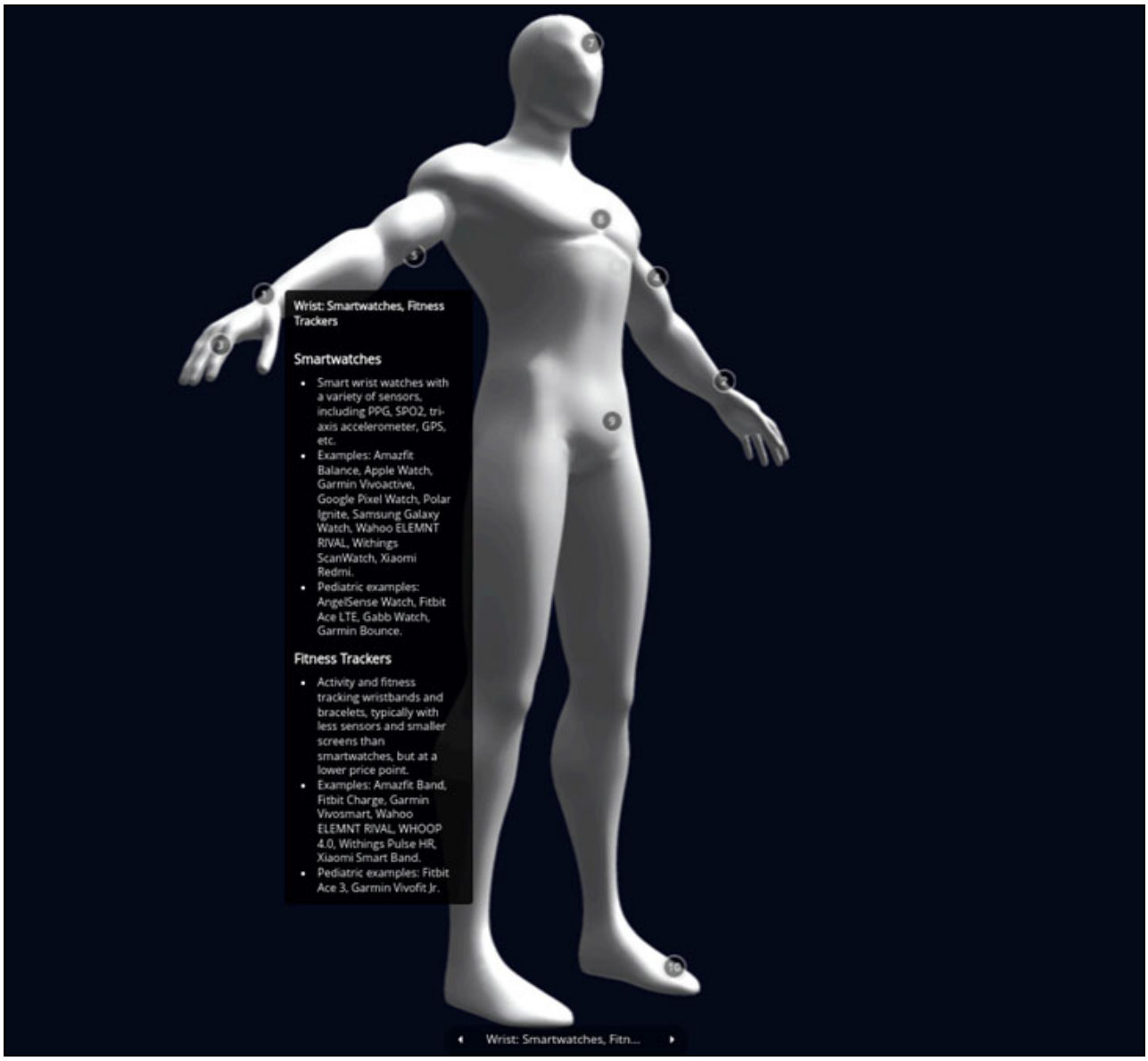
List of Illustrations

The following illustrations are available in this project. Please note that the list may not be complete. See the README file on GitHub for a complete list.

3D Models

Wearable Device Types by Body Part

A human body annotated with common types of consumer-grade wearables used in research. This 3D model has clickable areas on different body parts that display the device types that can be worn on that area.



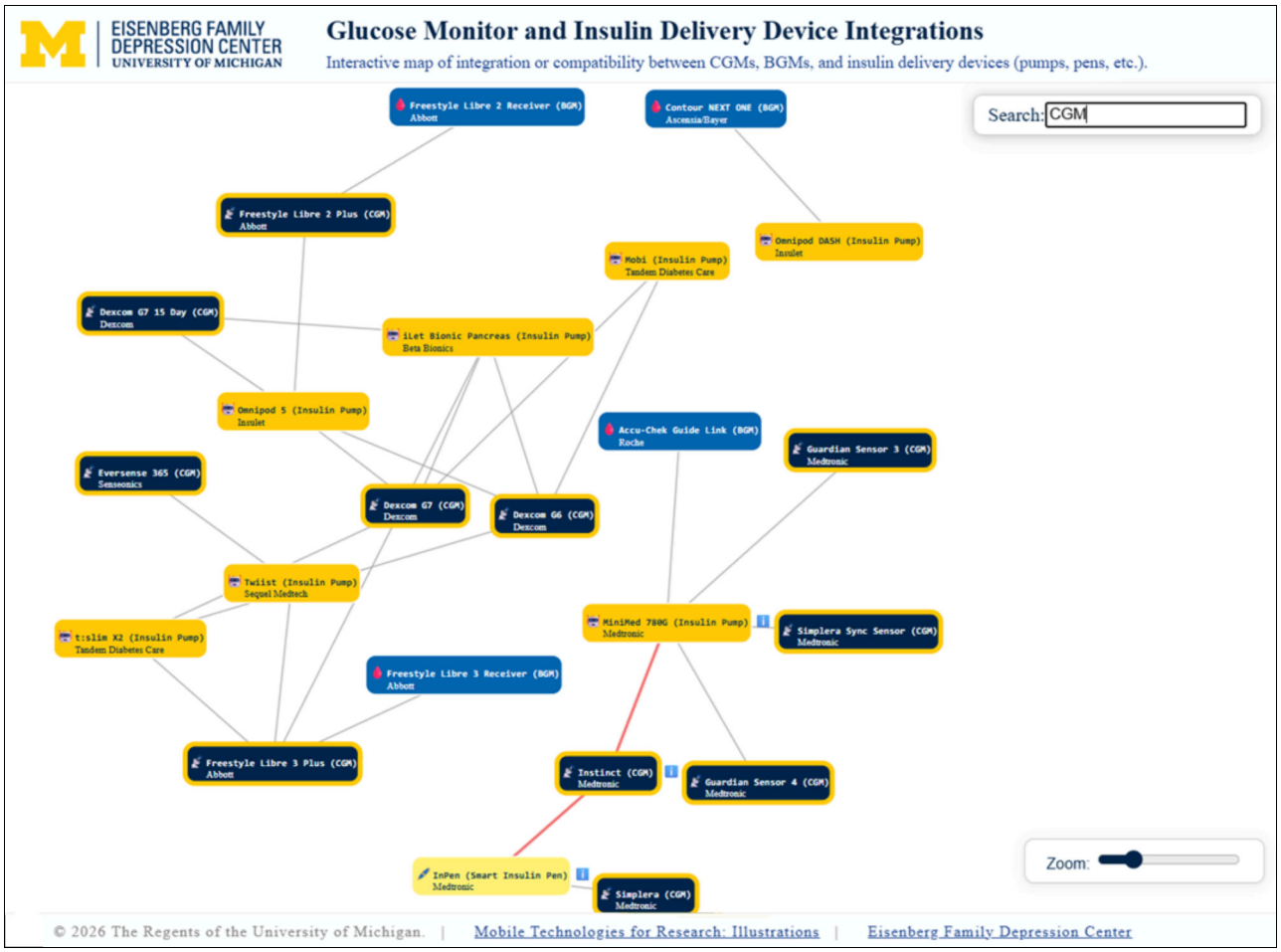
View Interactive Model | View Code on GitHub

Device Integration Diagrams

Interactive maps of integration/compatibility between wearables, nearables, and other mobile devices.

Glucose Monitor and Insulin Delivery Device Integrations

Interactive map of integration or compatibility between continuous and blood glucose monitors (CGMs / BGMs) and insulin delivery devices (insulin pumps, smart insulin pens).



View Interactive Diagram | View Code on GitHub

Notes

- DOI: 10.5281/zenodo.18165506

Resources

- **GitHub Repository: https://github.com/DepressionCenter/mobile-tech-illustrations/**
- 3D models are published on Sketchfab under the Mobile Technologies for Research Illustrations collection.

About the Author



Gabriel Mongefranco is a Mobile Data Architect at the University of Michigan's Eisenberg Family Depression Center. *Gabriel* has over a decade of experience with automation, data analytics, database architecture, dashboard design, software development, and technical writing. He supports U-M researchers with data cleaning, data pipelines, automation and enterprise architecture for wearables and other mobile technologies.

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