

Executive Summary

Forecast Health is a global health technology company that builds models and software. We contribute to non-communicable disease investment cases, focusing on return on investment and cost-effectiveness analyses. We build the models, provide analysis, and build web tools for users to interact with our analyses. We have worked with WHO, IARC, RTI, and Ministries of Health. We are working to provide digital public infrastructure, so Governments and partners can use our technology without vendor lock-in. Our work directly supports the UN's 2030 targets, including the goal to reduce premature NCD mortality by one-third.

Context

Noncommunicable diseases (NCDs) are the leading cause of premature death and disability, responsible for over 43 million deaths each year, with nearly one billion people affected by mental health conditions. The 2025 UN High-Level Declaration reaffirmed the global target of reducing premature NCD mortality by one-third by 2030, calling for cost-effective, affordable interventions delivered through strong primary healthcare and supported by digital technologies. Yet investment remains inadequate: less than 2.5% of development assistance for health targeted NCDs in 2024.

Countries need technologies that can turn evidence into costed, operational plans at speed and scale. Forecast Health positions itself as that digital public infrastructure: providing adaptable models, data, and tools that allow governments and partners to generate, update, and own investment cases that meet both global commitments and national priorities.

Our Models

We build mathematical (system dynamics) models using a technology we developed called “Botech” (back of the envelope technology), which allows us to build modular, highly-adaptable mathematical models that can be easily expanded and custom-tailored for country-specific needs. We currently have disease models for cancers, cardiovascular diseases, diabetes, chronic respiratory diseases, vision impairment, oral health, mental health conditions, and risk factors. These models are particularly useful for answering macro-level questions, such as “what to do”.

We are also building an experimental discrete event simulation engine, allowing users to build digital twins of health facilities, that simulate the flow of patients, bottlenecks, resource use and patient wait times. Coupled with Botech, this allows users not only to ask “what to do”, but to answer “how to do it”.

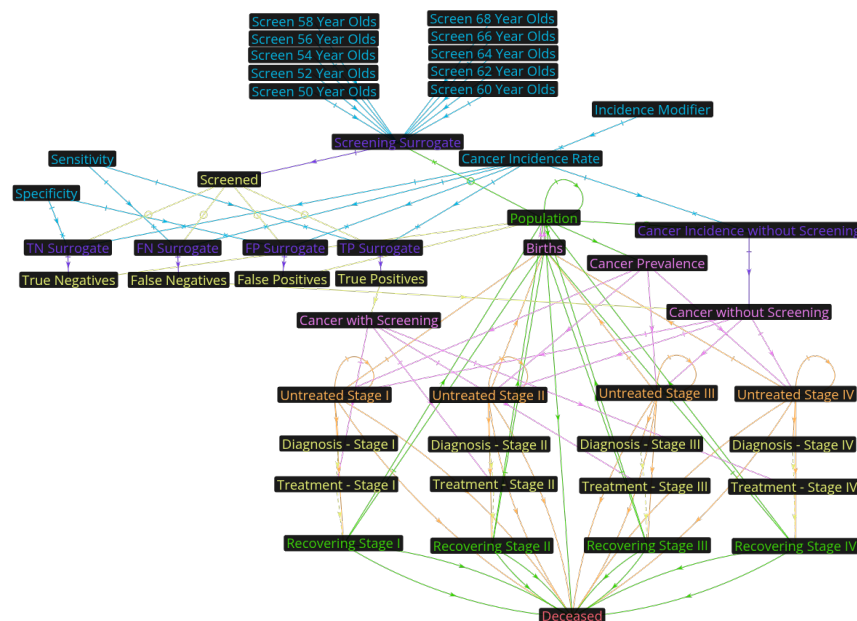


Figure 1: A Cancer Screening Model, built using Botech, in our online model editing tool

Our Work

We have contributed to a number of high level documents, and country-specific investment cases. In September 2025, we provided the modelling for the WHO-led report (partnered with Bloomberg Philanthropies) [Saving lives, spending less: the global investment case for noncommunicable diseases](#). This included modelling of the 29 WHO Best-Buys for 170 countries over a ten year time horizon. The total return on investment by 2030 was \$4 for every \$1 invested, resulting in 12 million lives saved, and \$1 Trillion returned in economic benefits. In addition to this modelling, we are releasing an interactive web-app in Q4 2025 that allows users to explore the results in more detail.

The screenshot displays the 'Eye Care Planning and Costing Tool' interface. At the top, there are logos for 'Forecast Health' and the 'World Health Organization'. The title 'Eye Care Planning and Costing Tool' is prominently displayed in the center. Below the title, there is a yellow 'About' button with a downward arrow. The main section is titled 'Select Model' in a blue header. This section contains several input fields: 'Model' (set to 'Refractive Error'), 'Select Country with Coverage Data' (set to 'Uganda (UGA)'), 'Starting Year' (set to '2025'), 'Select Final Year' (set to '2035'), 'Baseline Coverage (%)' (set to '32'), and 'Target Coverage (%)' (set to '72'). Below these fields is a green 'Edit Costs' button with a downward arrow. At the bottom center, there is a 'Generate Results' button.

Figure 2: The WHO Eyecare Planning and Costing Tool, running on a mobile device

Forecast Health also contributed to the 2022 update of the [Appendix 3 of WHO Global NCD Action Plan 2013-2030](#). We provided the modelling and analyses of 14 cancer interventions, of which 8 were deemed “Best-Buys”, including interventions for breast, cervical, colorectal, liver cancer and childhood cancers. It is anticipated that Appendix 3 will be updated in late-2026.

We have also assisted with country-specific work, partnering with WHO & RTI to build country-specific

models. These have included cost-effectiveness analyses of breast cancer and cervical cancer screening in Kenya, scaling up cancer treatments in Mozambique, and provision of increased cancer services in Palestine.

Forecast Health also builds interactive web tools. In May 2025, we launched the [WHO/IARC Cancer Costing Platform](#) at the UICC Inaugural Cancer Planners Forum in Geneva. The Cancer Costing Platform allows individual countries to project the burden of cancers, and the changes in disease dynamics if they scale up interventions, or implement new interventions (e.g. screening, vaccination). Since its release, the tool has been used by 640 unique users in 44 countries. In May 2025 we also released the [WHO Eyecare Planning and Costing Tool](#) at the 78th World Health Assembly. This tool allows users to understand the investment required to achieve WHO coverage targets for a set of vision disorders, as well as the additional numbers of persons who need to be treated. We are also currently working on a small mental health platform, and a general NCD Best Buys Platform, scheduled for release later in the year.

Digital Public Infrastructure

There is an increasing demand for investment cases at both the global, national, sub-national level. Investment cases help set priorities, inform strategy, and help countries prepare a budget to address their health needs. **Forecast Health is looking to position ourselves as the digital infrastructure provider for these investment cases.** This means developing platforms, data and tools to equip countries, partners, and other consultancies to rapidly undertake investment cases using state-of-the-art models and technology. This would increase the quality and quantity of analyses undertaken, increasing equity and resource optimisation at all levels of healthcare delivery. Forecast Health would expand the range of models available, update them in accordance with new evidence, and increase the ease-of-use for groups wishing to use these tools for their own work.

Contact

We are always looking to partner with groups to help them with modelling and investment cases. In addition, we are looking for philanthropic partners to explore catalytic funding for our transition to a sustainable digital public infrastructure provider.

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