



ValidationInstitute

2023 Validation Report

Review for: US HealthCenter, Inc.

Validation Achieved: Metrics

Valid through: March 2024

Company Profile



Category:	Population Health Management
Website:	https://www.ushealthcenterinc.com/
Public or Private:	Private
Year Established:	2010
CEO:	Mr. Gavin Quinnies
Company contact:	gquinnies@ushcinc.com

Description:

US HealthCenter's proprietary Population Management system named **PredictiMed™** AI includes an AI based health risk assessment (HRA) that digests such data as DNA, biometrics, medical and pharmacy claims, demographic, wearable and lifestyle data. The HRA output predicts the likelihood of the onset of over 40 conditions within the next 3 years, and then provides customized interventions via a user interface named the Personal Health Dashboard.

The interventions apply evidence-based tactics to prevent the onset of disease, reduce complications of current disease, and promote primary prevention. The goal is for people at low-risk to remain low-risk, and for people at moderate- or high-risk to shift to lower-risk levels.



Company Profile

In 2015 The Institute had the opportunity to validate **PredictiMed's™** ability to identify and lower the pre-disease high risk level, which may precipitate a higher use of ER and hospital services, in thirteen major disease categories to a lower level where the preemptive intervention can be applied and thus reduce the incidence of ER visits and hospitalizations between 80 and 93%, depending on the disease category. This validated HRA is used to determine those adults at disease risk. The output of this risk model also calculates potential medical claims cost, or Risk Burden, of the population.





Claim Assertion for Validation

The US HealthCenter calculator uses valid estimates of the disease incidence and cost (Risk Burden) of 12 illnesses.





Method / Calculation / Examples

In a study of 8,373 participants representing 7 distinct US regions and 10 industries, the average Risk Burden was \$9,550 per participant. According to research published by the Kaiser Family Foundation (KFF) in 2019, the average cost of employer-sponsored health insurance for annual premiums was \$7,188 for single coverage and \$20,576 for family coverage. The report also found that the average annual deductible amount for single coverage was \$1,655 for covered workers. The combination of the \$7,188 single premium and \$1,655 deductible, totaling \$8,843, represents an average amount of annual expected healthcare spend for a single adult (Risk Burden). The US HealthCenter Risk Burden average of \$9550 is within 8% of the KFF average spend per US adult.

The 12 illnesses are the focus of USHC's risk reduction programs, whose goal is to improve health status and reduce health plan expenses. The calculator gives population health managers a reasonable estimate of the medical costs that the risk reduction program could impact.

Using the validated HRA to predict the quantity of those at disease risk in conjunction with the estimated cost of risk (Risk Burden), a group can identify the opportunity for preventing disease and lowering risk.

The calculator gives population health professionals a tool to not only measure current Risk Burden by condition and in total, but also to track trends.





Method / Calculation / Examples

The 12 illnesses are listed in Table 1.

For each illness, one or more sources were referenced to gather the incidence of the illness and/or the frequency of care-seeking. For example, between 12 and 14 percent of U.S. adults seek care for back pain each year. The calculator averages the data sources' estimates of risk burden incidence.

The added (or incremental) cost of each illness was gathered from one or more sources. The calculator uses the average cost estimate. A risk reduction program can have an impact on the costs directly related to the illness but cannot eliminate all of a person's medical costs.

Back Condition
Breast Cancer
Colorectal Cancer
Coronary Heart Disease
Depression/Anxiety
Diabetes II
Hypertension
Lung Cancer
Peripheral Artery Disease
Prostate Cancer
Stroke

Table 1: The HRA can predict the Incidence and Estimated Risk Burden Average Incremental Cost of Target Illnesses





Method / Calculation / Examples

The calculator tool predicts the amount of financial risk burden by using the number of adults at risk for a condition or conditions and the average cost of that condition. In this way a total risk burden of those at risk using the validated HRA and the average cost of an episode of care can be estimated.





Findings & Validation

This gives the population health manager a method of calculating the incidence rate by the employer's number of adults at disease risk to get an estimated number of people at risk for the condition with the target illness and the associated cost, or Risk Burden.





Validation and Credibility Guarantee

US HealthCenter's Calculator achieved validation for **Metrics**. Validation Institute is willing to provide up to a \$10,000 guarantee as part of their Credibility Guarantee Program. To learn more, visit <https://validationinstitute.com/credibility-guarantee/>

Savings

Can reduce health care spending per case/participant or for the plan/purchaser overall.

Outcomes

Product/solution has measurably improved an outcome (risk, hba1c, events, employee retention, etc.) of importance.

Metrics

Credible sources and valid assumptions create a reasonable estimate of a program's impact.

Contractual Integrity

Vendor is willing to put a part of their fees "at risk" as a guarantee.





Validation Expiration: March 2024

CERTIFICATE OF VALIDATION

Applicant:	US HealthCenter, Inc. 250 South Main Street Thiensville, WI 53092
Product:	US HealthCenter Calculator
Claim:	The US HealthCenter calculator gives employers a reasonable estimate of the medical costs that the risk reduction program could impact.
Validation Achieved:	Validated for Metrics
Validation Award Date:	March 2022

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About Validation Institute

Validation Institute is a professional community that advocates for organizations and approaches that deliver better health value - stronger health outcomes at lower cost. We connect, train, and certify health care purchasers, and we validate and connect providers delivering superior results. Founded in 2014, the mission of the organization has consistently been to help provide transparency to buyers of health care.

Validation Review Process

Validation Institute has a team of epidemiologists and statisticians who review each program. The team focuses on three components:

- Evidence from published literature that a similar intervention had similar results.
- The reliability and credibility of the data sources.
- The rigor of the approach to calculating results.

To achieve validation, the program has to satisfy each of these components. VI's team then summarizes the review into a report which is publicly available. Details of VI's review are available with the program's permission.

