

7. The method of claim 1, the method further comprising providing a web service via which a patient population database is passed through the at least one statistical health model to project disease prevalences.

8. The method of claim 1, wherein the at least one statistical health model is configured to perform at least one of the following:

- predict a health outcome based on questionnaire responses,
- assist a decision maker's choice of operational modality based on questionnaire responses,
- assess a health risk or status based on questionnaire responses.

9. The method of claim 1, the method further comprising providing structured lists of parameters and default values to a remote system.

10. The method of claim 1, the method further comprising obtaining values of coefficients for the least one statistical health model.

11. The method of claim 1, the method further comprising receiving default values of model parameters.

12. The method of claim 1, the method further comprising transmitting to a remote client a response including HTML, WML, or XML formatting, including lists of the model parameters and default values.

13. The method of claim 1, the method further comprising receiving from the remote system patient risk assessments using health query responses and health parameter data.

14. The method of claim 1, the method further comprising providing for display a user interface configured to receive information regarding the patient and the patient medical condition(s).

15. The method of claim 1, the method further comprising providing a programmatic interface to receive information regarding the patient and one or more patient medical conditions.

16. The method of claim 1, the method further comprising providing, via the computing device, an output from the at least one statistical health models for display and/or returning an output from the at least one statistical health model via a programmatic interface.

17. A tangible computer-readable medium having computer-executable instructions stored thereon that, if executed by a computing device, cause the computing device to perform a method comprising:

- storing in computer readable memory associated with a health outcome prediction and management system at least one statistical health model,

wherein the at least one statistical health model is a medical prognostic risk stratification model and/or a medical prognostic outcomes prediction model in the form of at least one of a:

- linear model,
- a generalized linear model,
- a cumulative multinomial model,
- a generalized multinomial model,
- a proportional hazard model;

providing via the health outcome prediction and management system one or more user interfaces including a plurality of fields that enable one or more users to specify for the at least one statistical health model:

- an outcome predicted by the at least one statistical health model;
- one or more outcome predictors;
- a mathematical relationship between:

- the outcome predicted by the at least one statistical health model, and

- the one or more outcome predictors;

- automatically generating data-input interfaces for collecting patient-specific predictors utilized when executing the at least one statistical health model based at least in part on the one or more outcome predictors;

- processing, via a computing device, the one or more outcome predictors and information regarding a patient received via the automatically generated data-input interfaces using the at least one statistical health models; and

- providing, via the computing device, an output from the at least one statistical health model.

18. The tangible computer-readable medium of claim 17, the method further comprising providing via the statistical health model translation system a user interface including a plurality of fields configured to:

- receive one or more predictor coefficients; and
- receive one or more predictor coefficient covariances for calculating confidence intervals.

19. The tangible computer-readable medium of claim 17, wherein the at least one statistical health model is configured to determine a statistical outcome of a medical procedure, medical treatment or intervention, and/or medical condition with respect to the patient.

20. The tangible computer-readable medium of claim 17, wherein the at least one statistical health is non-linear.

21. The tangible computer-readable medium of claim 17, wherein the at least one statistical health model includes one or more outcome predictor transforms, wherein a first of the one or more outcome predictor transforms is an identity, inverse, square root, power, polynomial, exponential, logarithm, or mapping transformation.

22. The tangible computer-readable medium of claim 17, the method further comprising converting the at least one statistical health model predictors into a predictor vector.

23. The tangible computer-readable medium of claim 17, the method further comprising providing a web service via which a patient population database is passed through the at least one statistical health model to project disease prevalences.

24. The tangible computer-readable medium of claim 17, wherein the at least one statistical health model is configured to perform at least one of the following:

- predict a health outcome based on questionnaire responses,
- assist a decision maker's choice of operational modality based on questionnaire responses,
- assess a health risk or status based on questionnaire responses.

25. The tangible computer-readable medium of claim 17, the method further comprising providing structured lists of parameters and default values to a remote system.

26. The tangible computer-readable medium of claim 17, the method further comprising obtaining values of coefficients for the at least one statistical health model.

27. The tangible computer-readable medium of claim 17, the method further comprising receiving default values of model parameters.

28. The tangible computer-readable medium of claim 17, the method further comprising transmitting to a remote client a response including HTML, WML, or XML formatting, including lists of the model parameters and default values.