

**29.** The tangible computer-readable medium of claim 17, the method further comprising receiving from the remote system patient risk assessments using health query responses and health parameter data.

**30.** The tangible computer-readable medium of claim 17, the method further comprising providing for display a user interface configured to receive information regarding the patient and the patient medical condition(s).

**31.** The tangible computer-readable medium of claim 17, the method further comprising providing a programmatic interface to receive information regarding the patient and one or more patient medical conditions.

**32.** The tangible computer-readable medium of claim 17, the method further comprising providing via the health outcome prediction and management system one or more user interfaces that enable one or more users to specify via a plurality of defined fields:

one or more limits and/or lists of possible input values for the one or more outcome predictors; and

one or more transforms for the one or more statistical health model predictors.

**33.** A system, comprising:  
a computing device;

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, where the information received via the automatically generated data-input interfaces includes one or more patient medical conditions using the at least one statistical health model; and

providing, via the computing device, an output from the selected one or more of the at least one statistical health model.

**34.** The system of claim 33, the method further comprising providing via the health outcome prediction and management 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.

**35.** The system of claim 33, 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.

**36.** The system of claim 33, wherein the at least one statistical health model is non-linear.

**37.** The system of claim 33, 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.

**38.** The system of claim 33, the method further comprising converting at least one statistical health model predictors into a predictor vector.

**39.** The system of claim 33, the method further comprising providing a web service via which a patient population database is passed through at the at least one statistical health model to project disease prevalences.

**40.** A machine-readable medium or media having instructions recorded thereon that when executed by a processor:

(a) input a regression model specification related to providing predictions regarding the outcome for a patient of a medical treatment;

(b) repeat (a) a plurality of times to obtain and store a plurality of the regression model specifications;

(c) output a user interface for display, the user interface including a plurality of fields to receive patient parameters corresponding to a request for input of variables; output for display a set of stored regression model specifications;

accept a selection of the displayed regression model specifications for use;

output for display a user interface that requests a user to provide input of variables for the selected regression model specifications;

accept input values for the variables requested; and

use the accepted input values to determine and provide for display results of the selected stored regression model specifications.

**41.** A machine readable medium in accordance with claim 40 wherein the instructions when executed store accepted variable values in a database with an indication of person or object to which they apply, to retrieve the stored variable values from the database when a different regression model specification is selected for use for the same person or object, and to provide, as default values, the stored variable values for the same person or object for the different regression specification that is selected.

**42.** A machine readable medium in accordance with claim 40 wherein the instructions when executed enable the printing of the results using customizable content stored in a memory or database, and wherein the results comprise a visual representation of a statistical range.

**43.** A machine readable medium in accordance with claim 40 wherein to obtain coefficients associated with the selected regression model specifications, the instructions when