Supplemental Content 2

Table SC2: Operationalization of variables (Comprehensive)

Outcome variables

Digital health usage
Definition**:** Digital health use is defined as the behavior in which individuals use digital health tools for information gathering, health monitoring, or clinical actions that are accessible via their digital device.

Survey question	Value label
In the past 12 months have you used your online medical record to download your health information to your computer or mobile device, such as cell phone or tablet?	1 "Yes" 2 "No"
In the past 12 months, have you used an electronic wearable device to monitor or track your health or activity?	1 "Yes" 2 "No"
In the past 12 months, have you used a computer, smart phone or other electronic means to use email or the internet to communicate with a doctor or a doctor's office?	1 "Yes" 2 "No"
In the past 12 months have you used a computer, smart phone or other electronic means to look up medical test results	1 "Yes" 2 "No"
In the past 12 months have you used a computer, smart phone or other electronic means to make appointments with a HCP?	1 "Yes" 2 "No"

Information-sharing behaviors
Definition: We use Wang's (2020) definition of information sharing as the individual's voluntary behavior to share information. In this study, we refer to this behavior as the willingness to transfer and share health data and information to care providers and other individuals.

Measure	Survey question	Value label
Information sharing with PCP	Have you shared health information from either an electronic monitoring device or smartphone with a health professional within the last 12 months?	1 "Yes" 2 "No"
	Would you be willing to share health data from your wearable device with your HCP?	1 "Yes" 2 "No"

Information sharing to social media	In the last 12 months, have you used the internet to share health information on social networking sites, such as Facebook or Twitter?	1 "Yes" 2 "No"
	In the last 12 months, have you used the internet to participate in an online forum or support group for people with a similar health or medical issue?	1 "Yes" 2 "No"
Information sharing with family or friends	Would you be willing to share health data from your wearable device with your family	1 "Yes" 2 "No"
	Would you be willing to share health data from your wearable device with your friends?"	1 "Yes" 2 "No"

Covariates

Sociodemographic factors

Survey question	Value label or level of measurement
What is your age	Continuous
What is your marital status?	1 "Married" 2 "Living as married or living with a romantic paper" 3 "Divorced" 4 "Widowed" 5 "Separated" 6 "Single, never been married"
What is the highest grade or level of schooling completed	1 "Less than 8 years" 2 "8 through 11 years" 3 "12 years or completed high school" 4 "Post high school training other than college (Vocational or Technical") 5 "Some college" 6 "College graduate" 7 "Postgraduate"
What is your race	1 "Hispanic" 2 "NH White" 3 "NH Black or African American" 4 "NH American Indian or Alaska Native" 5 "NH Asian" 6 "NH Native Hawaiian or other Pacific Islander" 7 "NH Multiple Races Mentioned"

Gender	1 "Male"
	2 "Female"
Thinking about members of your family living in this household, what is your combined annual income	1 "$0 to $9,999"
	2 "$10,0000 to $14,999"
	3 "$15,000 to $19,999"
	4 "$20,000 to $34,999"
	5 "$35,000 to "$49,999"
	6 "$50,000 to "$74,999"
	7 "$75,000 to "$99,999"
	8 "$100,000 to "$199,999"
	9 "$200,000 or more"
USDA Rural/Urban Designation	1 Metro - Counties in metro areas of 1 million population or more
	2 Metro - Counties in metro areas of 250,000 to 1 million population
	3 Metro - Counties in metro areas of fewer than 250,000 population
	4 Nonmetro - Urban population of 20,000 or more, adjacent to a metro area
	5 Nonmetro - Urban population of 20,000 or more, not adjacent to a metro area
	6 Nonmetro - Urban population of 2,500 to 19,999, adjacent to a metro area
	7 Nonmetro - Urban population of 2,500 to 19,999, not adjacent to a metro area
	8 Nonmetro - Completely rural or less than 2,500 urban population

Health-related factors

Survey question	Value label
Has a doctor or other health professional ever told you that you had diabetes or high blood sugar?	1 "Yes"
	2 "No"
Has a doctor or other health professional ever told you that you had high blood pressure or hypertension?	1 "Yes"
	2 "No"
Has a doctor or other health professional ever told you that you had heart condition such as heart attack, angina or congestive heart failure?	1 "Yes"
	2 "No"
Has a doctor or other health professional ever told you that you had chronic lung disease, asthma, emphysema, or chronic bronchitis?	1 "Yes"
	2 "No"
Has a doctor or other health professional ever told you that you had depression or anxiety disorder?	1 "Yes"
	2 "No"
Derived var to categorize the health care coverage variables (do you have health insurance coverage)	1 "Yes"
	2 "No"

Technology-related factors

Survey question	Variable name in HINTS
Do you ever go on-line to access the internet or www, or to send and receive email?	1 "Yes" 2 "No"
Derived variable to categorize responses given in B6 (electronic devices): tablet computer, smartphone only, basic cell phone only, none, multiple devices selected	1 "Tablet computer only" 2 "Smartphone only" 3 "Basic cell phone only" 4 "None" 5 "Multiple devices selected"
Have you ever been offered online access to your medical records by your HCP?	1 "Yes" 2 "No" 3 "Don't know"

Digital health performance expectancy
Definition: The degree to which an individual experiences or perceives the use of a digital health tool help track health goals or communicate with HCP

Survey question	Value label
Has your tablet or smartphone helped you track progress on a health-related goal, such as quitting smoking, losing weight, or increasing physical activity (100)	1 "Yes" 2 "No"
Has your tablet helped you make a decision about how to treat an illness or condition?	1 "Yes" 2 "No"
Has your tablet or smartphone helped you in discussion with your health care provider?	1 "Yes" 2 "No"