

Hawaii's Healthy People 2020

Tracker:

Summary Report



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Hawaii Health Data Warehouse

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Introduction

Healthy people are happy people. The Hawaii Department of Health (HDOH) strives to promote lifelong health and wellness among the citizens of our state. Good health is a broad term, encompassing a variety of areas. One important national framework that has been used to define good health is *Healthy People*.

Healthy People provides science-based, 10-year national objectives for improving the health of all Americans. Healthy People has established benchmarks and monitored progress over time in order to encourage collaborations across communities and sectors, empower individuals toward making informed health decisions, and measure the impact of prevention activities. Healthy People 2020 (HP 2020) continued in this tradition with the launch on December 2, 2010 of its ambitious, yet achievable, 10-year agenda for improving the Nation's health. HP2020 is the result of a multiyear process that reflects input from a diverse group of individuals and organizations.

HP2020 defines health using a foundation of 42 topic areas, with a renewed focus on identifying, measuring, tracking, and reducing health disparities. It represents a significant improvement over HP2010 and introduces several new topic areas including:

- Adolescent Health
- Blood Disorders and Blood Safety
- Dementias, including Alzheimer's Disease
- Early and Middle Childhood
- Genomics
- Global Health
- Healthcare-Associated Infections
- Health-Related Quality of Life and Well-Being
- Lesbian, Gay, Bisexual, and Transgender Health
- Older Adults
- Preparedness
- Sleep Health
- Social Determinants of Health.

The 42 topic areas divide into 1,202 unique objectives. While the majority of these objectives are tied to indicators that are well-defined and measurable, 245 (20.4%) HP2020 objectives are developmental, and are included with no current data definition, and/or no proposed data source.

Using HP2020 objectives to develop a state-level report is extremely useful for multiple reasons. A federal framework adapted to the state allows us to apply the fruits of an extensive, multiyear project by experts across health fields in the United States to tracking Hawaii's health, without the need to expend the resources and energy in creating a new framework from scratch. Also, building comparable state-level indicators allows us to evaluate how the State of Hawaii compares with the rest of the nation on several key objectives. However, Hawaii is a unique state with a diverse population and health priorities that do not overlap 100% with national objectives. For example, some national objectives may not translate well at the state-level. Also, the extent to which various health issues influence our local population may be different from their national impact. Therefore, making the HP2020 framework locally-relevant is important.

With the help of HP2020 Action Project funding from the US Department of Health and Human Services (DHHS) Office of Disease Prevention and Health Promotion and the Tobacco Settlement Program, the Hawaii Health Data Warehouse (HHDW) has worked closely with program partners within and outside HDOH to bring to you the state's HP2020 tracking system. The HP2020 tracking system is a product that represents the combined efforts of many programs within and outside HDOH. It is a live system that we encourage you to revisit frequently; since we plan to keep existing indicators updated with the latest data, and will continue to populate the system or framework with new indicators that reflect the programmatic priorities of HDOH aligned with HP2020 objectives.

Background

Established in 2001, HHDW functions as a repository for the state's health surveillance data, providing the people of Hawaii with data that describe health trends in the state and with a one-stop source for health outcomes evaluation. From its inception, one of the primary functions of HHDW has been to promote Healthy People (HP) 2010 objectives in the population, and allow the state to monitor its progress toward meeting HP 2010 objectives. Having a centralized warehouse of health data for the state allows for the efficient retrieval of information valuable to many stakeholders, including legislators. The HHDW houses data starting with the year 2000 from the Behavioral Risk Factor Surveillance System (BRFSS), the Youth Risk Behavior Survey (YRBS), the Youth Tobacco Survey (YTS), the Pregnancy Risk Assessment Monitoring System (PRAMS), the Hawaii Health Survey (HHS) and the state's Vital Statistics data, including births, deaths, fetal deaths, and data reported from the Induced Terminations of Pregnancy System (ITOPS). In addition, census data, census estimates, and other population demographics are maintained in the warehouse.

The partnership between HHDW and the Department of Health has created two user-friendly data reporting systems to provide the public greater access to Hawaii health statistics. The [HHDW](#) website provides high level detailed data in statistical reports. Data can also be explored by data source and data category, which displays all the reports about a single topic on one page, regardless of survey of origin. The reports are also organized by HP 2010 focus areas, sources of data, county, and ethnicity to provide visitors with a variety of ways to view data. Reports on the HHDW website are extremely detailed, and are useful to the general public and researchers interested in accessing health statistics data.

The second website maintained by HHDW, [Hawaii Health Matters](#) (HHM) was launched in October 2009. The primary goal of HHM is to provide the public with a high-level view of health data with more contextual information and resources. The website was designed to be more user-friendly to the public, such that users in search of general health information or contextualized data would benefit from HHM. Those in search of more detailed prevalence rates by a variety of demographic factors could use HHDW. HHM offers HHDW the flexibility to create reports using data sources that do not reside within the warehouse.

The Process

The Healthy People 2020 Action Project provided some funding to HHDW, and a timeline to execute the process of transitioning from HP2010 to HP2020. The process of building the HP2020 tracking system began on June 1, 2011 to coincide with the funding period for the HP2020 Action Project. This report describes the project activities completed through the end of the grant year period on May 31, 2012. Work on the project is expected to continue in subsequent years. The purpose of the project is to build a user-friendly tracking system that tracks HP2020 health objectives that are both measurable and important to the State of Hawaii. The steps taken are presented below:

Kickoff Meeting: On August 12, 2011, HHDW held a Healthy People 2020 Action Project kick-off meeting to which program partners throughout HDOH were invited. The goals and timeline of the project were presented to the partners. The advisory group was given an opportunity to ask clarifying questions on the purpose and their involvement in the project.

A First Look (the comprehensive internal review): To begin, epidemiologists from the HHDW and HDOH researched each health objective of HP2020 to determine how it was measured. The first review process involved data gathering. For each objective, the following questions were answered: What is the national data source for this objective? How is the objective defined? What is the national target? What is the best state-level data source to track this indicator? How comparable is it to the national data source? If the state-level data source is different, how should the state-level indicator be defined so it matches the national indicator definition? Are there any other data limitations? This preliminary internal review was completed on all 1,202 HP2020 objectives.

Engaging Program Partners: For each topic area, partners within HDOH whose programmatic priorities most closely overlapped with the objectives within the topic area were approached. For the majority of topic areas, this process was simple, as state-level programs that were primarily responsible for objectives within a topic area were easily identifiable. For the subset of cross-cutting topic areas, the objectives were sub-divided by program, and the review was limited to just those objectives that were relevant to the program's functions. By customizing the review process to the programs we met with, HHDW strived to achieve an efficient review process wherein programs reviewed objectives relevant to their functions across one or more topic areas in one sitting.

A Second Look (programmatic review): Programs within HDOH, and some outside HDOH for selected topic areas not represented within the department, met with HHDW to review the extract of HP2020 objectives that pertained to their operations. During the review process, the following information was sought from our partners: How important is this objective to the program's functions? Is this an area where the program's efforts are concentrated, and where would the program like to measure its progress? Is the state data source and definition close enough to the national data source and definition? Does the program recommend any modifications to the indicator definition to enhance its effectiveness in measuring the state's health? When reviewing developmental objectives, programs were advised to hold off on

making recommendations until the objective was defined at the national level, unless the objective was of high priority to the program, and was routinely tracked using reliable state-level data sources. Through this review process, HHDW learned what objectives were important to programs, and how to prioritize its efforts to create the most relevant and useful HP2020 tracking system for the state. Altogether, between August 2011 and March 2012, a total of 30 meetings were conducted with internal partners.

Second Review Outcomes: In addition to obtaining answers on key questions on the priority and indicator definitions for HP2020 objectives, HHDW learned much more through its meetings. For example, programs sought input on objectives that were high priority for which a current data source is unavailable; these objectives were further parsed out into important objectives with state-level data that is not easily accessible to the state, and important objectives without any state-level data. HHDW also gathered information from programs about objectives for which data collection is currently planned, and objectives for which data is collected but only reviewed internally because it isn't sufficiently robust. HHDW also discussed priority areas that are not well-represented within the HP2020 framework with its program partners.

A Third Look: Using the feedback from the programs, HHDW looked at existing data sources and created a plan of action for the HP2020 tracking system. First, links and pages were created for all objectives for which HHDW reports currently exist. Second, objectives in need of follow-up were flagged, and all medium and low priority objectives were placed on hold. Third, among high priority objectives, those that needed further consultation for immediate follow up were flagged. Finally, the remaining high priority objectives with a data source to build indicators were selected. Using existing timelines for when various data sources are updated in HHDW, a timeline was created that would allow HHDW to populate its HP2020 tracking system with all the existing and high priority objectives by 2013. In addition, HHDW plans to simultaneously continue following up on all objectives that need further consultation, continually prioritizing the ones that the programs rated as important, and flagging these for indicator creation as data sources and definitions are determined.

After multiple meetings with programs and organizations within and outside HDOH, HHDW is pleased to report that it has completed an internal review of 1,202 (100%) of the HP2020 objectives, and had an opportunity to review and prioritize 884 (73.5%) of these with the project advisory group. While the review process is ongoing and expected to continue, the work on building the state's HP2020 tracking system has simultaneously progressed.

Table 1 contains the result of all three review steps, parsed out by topic area. It enumerates the number of objectives reviewed by topic area. In addition, it presents the objectives' rating as low, medium, or high priority by programs, and those that remain to be prioritized. Some topic areas have not yet been reviewed by our programmatic partners (either partially or completely). For these topic areas, the review will be completed in the upcoming year.

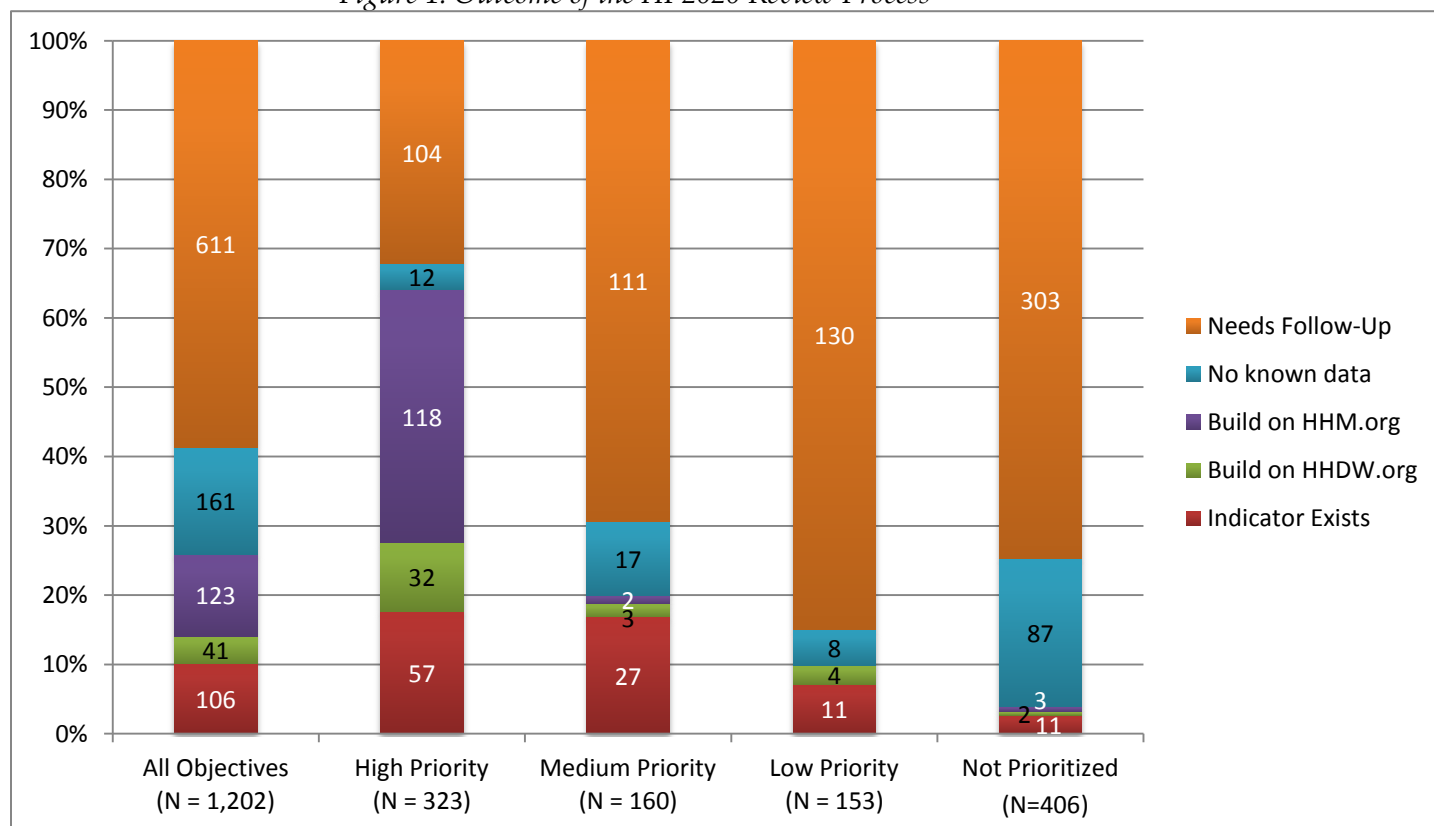
Table 1: HP2020 Objectives by Topic Area

HP2020 Topic Area	Total Objectives (% Reviewed)	High Priority Objectives	Medium Priority Objectives	Low Priority Objectives	Objectives Not Prioritized
Access to Health Services*	26 (100%)	13 (50%)	4 (15%)	0 (0%)	9 (35%)
Adolescent Health*	24 (100%)	7 (29%)	13 (54%)	2 (8%)	2 (8%)
Arthritis, Osteoporosis, and Chronic Back Conditions*	18 (33%)	0 (0%)	2 (11%)	0 (0%)	16 (89%)
Blood Disorders and Blood Safety	25 (40%)	3 (12%)	0 (0%)	0 (0%)	22 (88%)
Cancer*	27 (100%)	11 (41%)	0 (0%)	11 (41%)	5 (19%)
Chronic Kidney Disease*	24 (100%)	10 (42%)	9 (38%)	3 (13%)	2 (8%)
Dementias, Including Alzheimer's Disease	2 (100%)	0 (0%)	0 (0%)	0 (0%)	2 (100%)
Diabetes*	20 (100%)	12 (60%)	4 (20%)	3 (15%)	1 (5%)
Disability and Health*	28 (100%)	9 (32%)	10 (36%)	5 (18%)	4 (14%)
Early and Middle Childhood*	17 (100%)	2 (12%)	2 (12%)	10 (59%)	3 (18%)
Educational and Community-Based Programs*	95 (36%)	23 (24%)	0 (0%)	11 (12%)	61 (64%)
Environmental Health*	68 (15%)	5 (7%)	0 (0%)	7 (10%)	56 (82%)
Family Planning*	41 (100%)	4 (10%)	9 (22%)	5 (12%)	23 (56%)
Food Safety*	24 (100%)	1 (4%)	0 (0%)	23 (96%)	0 (0%)
Genomics	2 (100%)	1 (50%)	1 (50%)	0 (0%)	0 (0%)
Global Health*	5 (40%)	1 (20%)	0 (0%)	1 (20%)	3 (60%)
Health Communication and Health Information Technology	24 (0%)	0 (0%)	0 (0%)	0 (0%)	24 (100%)
Health Related Quality of Life	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Healthcare-Associated Infections	2 (100%)	2 (100%)	0 (0%)	0 (0%)	0 (0%)
Hearing and Other Sensory or Communication Disorders	36 (100%)	1 (3%)	5 (14%)	21 (58%)	9 (25%)
Heart Disease and Stroke*	49 (100%)	9 (18%)	14 (29%)	16 (33%)	10 (20%)
HIV*	23 (100%)	3 (13%)	5 (22%)	2 (9%)	13 (57%)
Immunization and Infectious Diseases*	77 (44%)	14 (18%)	1 (1%)	6 (8%)	56 (73%)
Injury and Violence Prevention*	66 (100%)	31 (47%)	14 (21%)	10 (15%)	11 (17%)
Lesbian, Gay, Bisexual, and Transgender Health	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Maternal, Infant, and Child Health*	72 (100%)	21 (29%)	22 (31%)	13 (18%)	16 (22%)
Medical Product Safety	11 (100%)	0 (0%)	0 (0%)	0 (0%)	11 (100%)
Mental Health and Mental Disorders*	15 (100%)	13 (87%)	1 (7%)	1 (7%)	0 (0%)
Nutrition and Weight Status*	41 (100%)	18 (44%)	9 (22%)	2 (5%)	12 (29%)
Occupational Safety and Health	16 (0%)	0 (0%)	0 (0%)	0 (0%)	16 (100%)
Older Adults*	19 (100%)	6 (32%)	0 (0%)	9 (47%)	4 (21%)
Oral Health*	35 (9%)	0 (0%)	0 (0%)	0 (0%)	35 (100%)
Physical Activity*	40 (100%)	19 (48%)	13 (33%)	5 (13%)	3 (8%)
Preparedness*	6 (50%)	1 (17%)	0 (0%)	1 (17%)	4 (67%)
Public Health Infrastructure	44 (27%)	0 (0%)	0 (0%)	0 (0%)	44 (100%)
Respiratory Diseases*	27 (100%)	16 (59%)	9 (33%)	0 (0%)	2 (7%)
Sexually Transmitted Diseases*	18 (100%)	13 (72%)	0 (0%)	0 (0%)	5 (28%)
Sleep Health*	4 (0%)	0 (0%)	0 (0%)	0 (0%)	4 (100%)
Social Determinants of Health	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Substance Abuse*	44 (100%)	15 (34%)	6 (14%)	2 (5%)	21 (48%)
Tobacco Use*	72 (100%)	46 (64%)	13 (18%)	5 (7%)	8 (11%)
Vision*	15 (100%)	0 (0%)	14 (93%)	6 (40%)	9 (60%)

Once the programmatic review was complete, 30 HP2020 topic areas with existing data to populate one or more objectives were prioritized for the initial launch of the tracking system. Included topic areas are indicated with an asterisk in Table 1. HHDW will continue to work on including the remaining topic areas as it identifies and builds indicators that will be of interest to the public. For the complete list of HP2020 topic areas and objectives, please click [here](#).

Figure 1 summarizes the results of three reviews of HP2020. It combines the data in Table 1 with the number of objectives currently containing indicators, those scheduled to be built in the upcoming year, and those on hold for further follow up. It also selects out indicators for which, based upon HHDW's initial review, there are no known data sources. The chart combines the information on whether an indicator already existed or could be built, with information on the prioritization process completed by our partners. The chart represents the 1,042 objectives from the 30 topic areas that are included in our initial launch. Of these, HHDW currently has indicators for 106 (10%) objectives, and has planned to build an additional 164 (16%) indicators during the 2012-13 year. HHDW will continue building and adding indicators as the project continues, but will target objectives according to how they were prioritized. Accordingly, of the 323 high priority objectives, HHDW either has or plans to have built indicators for 207 (64%) objectives by 2013. HHDW has also prioritized our follow up process for the upcoming year; although the majority (59%) of the 1,042 HP2020 objectives require further follow up, the 104 highest priority objectives requiring follow up will be addressed first.

Figure 1: Outcome of the HP2020 Review Process



Note: The first column represents all 1,202 HP2020 objectives, while the remaining four columns include only the 1,042 objectives in the 30 topic areas to be included in the initial launch.

The Websites: Alongside the review process, HHDW also initiated the process of creating the new webpages for the HP2020 tracking system in December 2011. The new [View by HP 2020](#) section on the HHDW website allows the public to review background information and all objectives included for each of the 30 topic areas. Topic area pages provide convenient links to the national HP2020 website. Clicking on any objective opens a pop-up window that contains the indicator definition for the objective, state baseline, national HP2020 target, state and national data sources, and links to the HHDW or HHM data reports. A link is also provided to the national data, housed in the DHHS Health Indicators Warehouse.

On the HHM website, an [HP2020 Tracker](#) button has been added to the left-hand navigation panel. The tracker combines all of the available HP2020 objectives together, allowing the public to quickly assess how the State of Hawaii compares to the national targets. The landing page provides a summary of current values, targets, and whether or not the target has been met. Clicking on any one of the objectives brings the user to a page with additional detail about the indicator definition, including differences between the state and national definitions and data sources. As is the hallmark of HHM, information explaining the importance of the objective is given, as well as links to additional in-depth data. Where available, data at both the state and county level is shown.

A Second Project Meeting: On May 2, 2012, HHDW re-convened its advisory group, and invited external partners, to recap the year's activities for its partners. It provided information to partners on the review process and its findings. At this meeting, the new website was debuted and partners had an opportunity to provide feedback and request modifications. Partners were also apprised of the next steps for the project, which included timelines for building the new indicators, and continued follow-up on objectives.

Creating a HP2020 tracking system that is truly representative of all of the state's health functions takes time. Although HHDW has made substantial progress in the past year, it expects to continue working on the tracking system until it captures all HP2020 objectives that are measurable and important to the State of Hawaii. We encourage you to visit this website often, and view our updates to this section.

We hope you enjoy the HP2020 tracking system for the State of Hawaii. Please visit often to look at new indicators, and review updated data for existing indicators. If you have comments, or would like to discuss any aspect of the tracker with us any further, please contact us at profiles@hhdw.org.