

2024 DHMW Finalized Survey Instrument

	Number of proposed questions	Number modified from 2023	Number new
Infrastructure	8	3	1
Security	14	6	1
Administrative and Supply Chain	8	3	4
Analytics and Data Management	14	6	0
Interoperability and Population Health	10	4	2
Patient Engagement	13	4	1
Clinical Quality and Safety	17	10	2
Innovation	12	0	8
TOTAL	96	36	19

Artificial Intelligence/Advanced Analytics related questions:

NEW-021

PDF-023

NEW-024 item C

NEW-025

NEW-030 item B

PDF-034 item F

PDF-039

PDF-040

PDF-044 item F

PDF-054 section B item B

NEW-066

PDF-093 item A

NEW-094 item B

NEW-086 item B

NEW-087 item B

NEW-088 item B

NEW-089 item B

NEW-090 item B

NEW-091 item B

Governance related questions:

PDF-010

PDF-011

PDF-019 section C item B

PDF-041

PDF-042

PDF-043

PDF-044

NEW-086

NEW-087

NEW-088

NEW-089

NEW-090

NEW-091

Infrastructure

Label	Question	Changed	
		Yes	No
Infrastructure Monitoring Practices			
PDF-001	How would you characterize the adoption of the following tools/methods in your organization to monitor your IT systems?	1	
NEW-002	Which of the following functions are automated in your IT asset management (ITAM) program?		
Infrastructure Capabilities Supported			
PDF-003	Which of the following wireless applications and/or technologies does your organization(s) support		x
PDF-004	How would you characterize the adoption of the following technologies used to improve caregiver workflow in your organization?	1	
PDF-005	How would you characterize your clinical staff's authorized use of the following types of <u>employee-owned</u> devices in the care of your patients	3	
PDF-006	Which of the following communication equipment and services could your staff potentially use in the event of an emergency?		x
Infrastructure Governance			
PDF-007	Which of the following elements are included in your organization's bring-your-own-device (BYOD) policy?		x
Infrastructure Performance			
PDF-008	How quickly can your organization restore mission critical operations should a disaster cause the complete loss of your organization's primary data center?		x

Changed "Yes"

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Number of proposed questions = 8
 Number modified = 3
 Number new = 1

Security

Label	Question	Changed	
		Yes	No
Security Leadership			
PDF-009	Whom on your executive team is primarily responsible for leading information security in your organization?		x
Security Governance			
PDF-010	How often does your organization's formally chartered cybersecurity governance, risk and/or compliance committee meet?		x
PDF-011	Which of the following groups receive a formal report regarding your organization's information security efforts and/or performance at least every quarter?	5	
Security Practices – Leveraging External Resources			
PDF-012	Which of the following information security frameworks does your organization use to guide your information security program?		x
PDF-013	How would you characterize your organization's use of the following information sharing and analysis organizations used to identify cybersecurity threats and vulnerabilities?	3	
PDF-014	Does your organization use the services of a 3rd party to conduct the following assessments?		x
Security Practices –Internal Processes			
PDF-015	How often are the following components of your risk management program reviewed and/or updated?		x
PDF-016	How often does your organization conduct each of the following?		x
PDF-017	How would you characterize the adoption of the following types of security authentication measures used by your organization to authenticate/manage authorized users?	1	
PDF-018	How would you characterize the adoption of the following security measures used by your organization to authenticate/manage devices accessing your network?	1	
PDF-019	How would you characterize the adoption of the following capabilities your organization uses as part of your organization's security processes?	1	
PDF-020	How would you characterize the adoption of the following security processes your organization currently uses to safeguard information?	1	
NEW-021	How would you characterize the deployment of Artificial Intelligence based solutions to support your cybersecurity efforts in each of the following areas?		
Security Insurance			
PDF-022	Which of the following cybersecurity related insurance coverages does your organization currently carry?		x

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Number of proposed questions = 14
 Number modified = 6
 Number new = 1

Administrative and Supply Chain

Label	Question	Changed	
		Yes	No
Inventory Management			
PDF-023	How would you characterize the deployment of Artificial Intelligence (AI) powered technology in your organization designed to support the following healthcare supply chain processes.	4	
NEW-024	How would you characterize the adoption of the following technologies in your organization designed to support specific healthcare supply management activities.		
Financial Management			
PDF-025	How would you characterize the deployment of the following Artificial Intelligence (AI) powered revenue-cycle and contracts-management functionalities in your organization?	4	
PDF-026	What percentage of the following payer-related activities are accomplished using electronic routines and/or software?		x
PDF-027	How would you characterize the adoption of the following bed/exam room tracking or patient-flow software system settings in your organization (Note: bed tracking/patient-logistics management may be functionality included within your electronic health record)	1	
Personnel Management			
NEW-028	How would you characterize the adoption of the following <u>manager</u> self-service tools in your organization? The capabilities should be available both via an online portal and via mobile devices.		
NEW-029	How would you characterize the adoption of the following <u>employee</u> self-service tools in your organization? The capabilities should be available both via an online portal and via mobile devices.		
NEW-030	Which of the following technologies does your organization use to support your organization's employee retention efforts?		

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Number of proposed questions = 8

Number modified = 3

Number new = 4

Analytics and Data Management

Label	Question	Changed	
		Yes	No
Analytics Leadership / Structure			
PDF-031	Whom on your executive team is primarily responsible for leading your organization's analytics and data management efforts?		x
PDF-032	Which of the following best describe the management of data analytics and staffing in your organization?		x
Data Management			
PDF-033	Which of the following data storage/analytics applications models does your organization use?		x
PDF-034	Which of the following data sources send data to your organization's Enterprise Data Warehouse and/or Operational Data Store?		x
PDF-035	How would you characterize the adoption of technology designed to automatically review patient data in your EHR and alert caregivers when their patients are out of compliance with key quality indicators, in the following areas of your organization (e.g. CMS' Core Quality Measures)?	1	
PDF-036	How would you characterize the adoption of <u>automated real-time dashboards</u> designed to deliver the following data to your organization's clinical and operational personnel (leaders and individual clinicians)?	1,5	
PDF-037	How would you characterize the adoption of <u>personal data visualization tools</u> designed to deliver the following data to your organization's clinical and operational personnel (leaders and individual clinicians)?	1,5	
Analytical Capabilities			
PDF-038	How would you characterize the utilization of data analytics to support the following business functions in your organization?		x
PDF-039	How would you characterize the adoption of Predictive Analytics in each of the following business functions in your organization?		x
PDF-040	How would you characterize the deployment of Artificial Intelligence in each of the following business functions in your organization?	4	
Data Governance			
PDF-041	Which of the following best describes the scope of your organization's data governance program?		x
PDF-042	How often does your organization's Data Governance committee meet?		x
PDF-043	Which of the following groups engage in your organization's data governance efforts at least every quarter?	4	
PDF-044	How would you characterize the adoption of the following as part of your organization's data governance effort?	1	

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Number of proposed questions = 14
 Number modified = 6
 Number new = 0

Interoperability and Population Health

Label	Question	Changed	
		Yes	No
Interoperability			
PDF-045	Which of the following types of healthcare entities external to your organization can your organization’s EHR successfully send discrete patient data electronically to (and for the receiving entity to claim they can incorporate the data into their patient record system)?		x
PDF-046	Which of the following types of healthcare entities external to your organization can your organization’s EHR successfully receive discrete electronic patient data from (and incorporate their data into your organization’s patient record system)?		x
NEW-047	How would you characterize your adoption of Trusted Exchange Framework and Common Agreement (TEFCA) standards?		
NEW-048	How would you characterize your approach to joining a Qualified Health Information Network (QHIN)		
Population Health – Disease Registries			
PDF-049	How would you describe your organization’s use of the following data sources in contributing data electronically to disease registries?		x
Population Health – Chronic Care			
PDF-050	How would you characterize the adoption of technology in your organization to track the management of your chronic-care patients?		x
Population Health – Interventions			
PDF-051	How would you characterize your organization’s adoption of <u>internet enabled remote monitoring devices which submit self-test results</u> from patients “outside the walls” of your facility and integrate the data into your organization’s EHR , for each of the following chronic care conditions?	1,5	
PDF-052	How would you characterize your organization’s adoption of <u>real-time care management</u> technologies for patients “outside the walls” of your facility, for each of the following chronic care conditions?	1,5	
PDF-053	How would you characterize your organization’s adoption of technologies which allow for the <u>integration of care management data into the EHR</u> from patients “outside the walls” of your facility, for each of the following chronic care conditions?	1,5	
PDF-054	How would you characterize the adoption of technologies in your organization used to address the following population health activities?	1	

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Number of proposed questions = 10
 Number modified = 4
 Number new = 2

Patient Engagement

Label	Question	Changed	
		Yes	No
Leadership/Structure			
PDF-055	Whom on your executive team is primarily responsible for leading your organization's patient engagement/experience efforts?		x
PDF-056	Whom on your executive team is primarily responsible for leading your organization's telehealth efforts?		x
PDF-057	Which of the following reflect how telehealth services are provided at your organization?		x
Patient Engagement - Tools			
PDF-058	How would you characterize the adoption of technologies used to support the following capabilities available to patients through your organization's web site or patient portal?	1,5	
PDF-059	How would you characterize the adoption of technologies used to support the following services designed to empower patients and their families <u>outside</u> your facility?	1,5	
PDF-060	How would you characterize the adoption of technologies used to support the following services designed to empower patients and their families <u>inside</u> your facility?	1	
PDF-061	Which of the following functionalities are included in mobile apps your organization provides to your patients? (These should be apps created for a mobile handheld device and should NOT include responsive designed websites)		x
PDF-062	How would you characterize the adoption of technologies used to support the following patient interactive capabilities your organization provides your staff members to help to promote patient and family engagement in your facility? (Acute)	1	
Patient Engagement - Utilization			
PDF-063	Please indicate the percentage of your organization's...		x
PDF-064	Of the following diagnostic and therapeutic appointments between patients and providers in your organization this past year, which of the following best reflect the percentage volume of appointments conducted via telehealth (verses in-person appointments)? Example: Of 1,000 Behavioral Health appointments, what percent were conducted via telehealth?		x
PDF-065	Please indicate the percentage of unique patients your organization serviced during the last 12 months who have accessed your organization's patient portal at least once this last year?		x
NEW-066	How would you characterize the utilization of data analytics to monitor/assess the following Patient Engagement related functions in your organization?		
Patient Engagement - Promotion			
PDF-067	Which of the following tactics does your organization use to promote your organization's digital health tools to patients (patient portal, mobile app and telehealth services)?		x

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Number of proposed questions = 13

Number modified = 4

Number new = 1

Clinical Quality and Safety

Label	Question	Changed	
		Yes	No
Availability of Clinical Tools			
PDF-068	How would you characterize the adoption of technologies designed to electronically enable the following nurse activities, in your organization?	1	
PDF-069	How would you characterize the adoption of technologies designed to deliver/support the following capabilities to your care team members at the point of care, via a wireless network handheld device?	1	
PDF-070	How would you characterize the adoption of technologies designed to monitor the following on your <u>Med/Surg/OB/Gyn</u> patients, where the patient data is automatically loaded into the EHR? (<i>Acute</i>)	1,5	
PDF-071	How would you characterize the adoption of technologies designed to monitor the following on your <u>Critical Care</u> patients, where the patient data is automatically loaded into the EHR? (<i>Acute</i>)	1,5	
PDF-072	How would you characterize the adoption of technologies designed to monitor the following on your <u>Step-Down</u> patients, where the patient data is automatically loaded into the EHR? (<i>Acute</i>)	1,5	
PDF-073	How would you characterize the adoption of technology designed to electronically track the following healthcare-associated infection (HAIs) bundles within the EHR?	1	
PDF-074	How would you characterize the adoption of the following solutions as part of your enterprise imaging system?	1	
PDF-075	How would you characterize the adoption of your enterprise imaging system allowing providers associated with your organization to access the following diagnostic images throughout your organization?	1	
PDF-076	How would you characterize the adoption of the following resource functions providers associated with your organization access remotely?	1	
PDF-077	How would you characterize the adoption of the following e-prescribing functions you provide for independent providers associated with your organization?	1	
PDF-078	How would you characterize the adoption of your decision support system to identify the following possible prescribing anomalies?		x
PDF-079	How would you characterize the adoption of technology designed to support the following opioid use reduction mechanisms in your organization?		x
Utilization of Clinical Tools			
PDF-080	What percent of your clinicians are using the following real-time quality reporting resources? If none, put 0%.		x
PDF-081	Please estimate the percentage of discharge/check-out medication orders (for new or changed prescriptions) transmitted as an electronic prescription.		x
PDF-082	What percentage of controlled substances (schedule 2-4) are electronically prescribed to patients in the following areas of your organization?		x
Structure			
NEW-083	When thinking about your organization's opioid use reduction efforts, which of the following are true of your opioid stewardship activities?		
NEW-084	Which of the following activities does your organization's Healthcare Operations Command Center as defined above, provide?		

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Number of proposed questions = 17
Number modified = 10
Number new = 2

Innovation

Label	Question	Changed	
		Yes	No
Leadership/Structure			
PDF-085	Whom on your executive team is primarily responsible for leading tactical technological innovation efforts in your organization?		x
PDF-086	Is your organization formally associated with an Innovation Center involved in healthcare technological innovations?		x
Governance			
NEW-087	Has your organization developed a written IT strategic plan aligned to your organization's business plan to include the following?		
NEW-088	Does your organization have an IT Steering Committee for the following areas?		
NEW-089	Are all IT investment proposals for the following areas reviewed and approved by an IT Steering Committee?		
NEW-090	Do all IT capital proposals for the following areas include a documented business case?		
NEW-091	Do IT investment proposals in the following areas involve an executive sponsor from the impacted business area, responsible for overseeing the business case for IT investments in their area?		
NEW-092	Does your organization have an IT Steering Committee overseeing and tracking the progress of each approved IT implementation project, for the following areas?		
Focus Areas			
PDF-093	Which of the following types of digital health tools have your technological innovation assessment efforts addressed within the past three-years?		x
NEW-094	When thinking about your organization's digital health technological innovation assessment efforts during the past three-years, would you be able to provide evidence demonstrating your organization's use of the following "techquity" tactics?		
PDF-095	Of the following types of innovations, which do you currently use in your organization?		x
NEW-096	How would you characterize the deployment of Generative Artificial Intelligence in your organization to support the following activities?		

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Number of proposed questions = 12
 Number modified = 0
 Number new = 8