

# MedXcellence ASE Survey

## Demographics

- 1. Please provide your contact information so that we may contact you in the event of any questions regarding the data you report.**

First Name\*: \_\_\_\_\_

Last Name\*: \_\_\_\_\_

Hospital/Institution/Practice Name\*: \_\_\_\_\_

Title/Role of Person Completing Survey\*: \_\_\_\_\_

Address Line 1\*: \_\_\_\_\_

Address Line 2: \_\_\_\_\_

City/Town\*: \_\_\_\_\_

State\*: \_\_\_\_\_

Zip\*: \_\_\_\_\_

Email Address\*: \_\_\_\_\_

Phone Number\*: \_\_\_\_\_

Group ID: \_\_\_\_\_

## 2. Ownership Model

- Privately Owned
- Employed: Academic/Teaching Hospital
- Employed: Foundation or Practice Plan
- Employed: Hospital/Health System/Non-academic
- Professional Services Agreement (PSA)
- Integrated

**3. Number of CV Physician FTEs (Full Time Equivalents) in the practice/organization?**

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**4. Total number of employed and PRN sonographers FTEs (Full Time Equivalents), needed to support your Cardiac Imaging (ECHO) Department?**

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**5. Total number of echo machines in use throughout your Cardiac Imaging (ECHO) Department?**

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## Organizational - Governance

**6. Is your Cardiac Imaging (ECHO) Department - (Hospital or Ambulatory) accredited through Intersocietal Accreditation Commission - ECHO?\***

- Yes
- No

**7. Is your Cardiac Imaging (ECHO) Department - (Hospital or Ambulatory) accredited through Intersocietal Accreditation Commission - Vascular?**

- Yes
- No

**8. Does your Cardiac Imaging (ECHO) Department have a Medical Director?**

- Yes
- No

**9. Does your Cardiac Imaging (ECHO) Department have a Technical Director?**

- Yes
- No

**10. Under which Hospital-Based Department does your Cardiac Imaging (ECHO) Department report:**

- Cardiology
- Radiology
- Other, please list: \_\_\_\_\_
- N/A

**11. Number of ambulatory outpatient sites where echo services are performed**

\_\_\_\_\_

**12. Do your ambulatory outpatient sites provide echo services under:**

- Physician Fee Schedule
- Hospital Outpatient Fee Schedule
- Both

## Organizational - Performance Management

**13. Does your Cardiac Imaging (ECHO) Department survey patients about their satisfaction through the use of a standard Hospital or Ambulatory Outpatient Center Satisfaction Tool?**

- Yes
- No
- Don't know

**14. Does your Cardiac Imaging (ECHO) Department SEPARATELY survey patients about their satisfaction, outside of the health system inpatient/outpatient survey tool?**

- Yes
- No

**15. Are Satisfaction Survey results shared with the physicians?**

- Yes
- No
- Don't know

**16. What are the standard time slots for non-stress transthoracic echoes on your Cardiac Imaging (ECHO) Department schedule?**

- 45 minutes
- 60 minutes
- 75 minutes
- 90 minutes
- No standard time slots
- Other, please list: \_\_\_\_\_

**17. What are the standard time slots for stress echoes for your Cardiac Imaging (ECHO) Department?**

- 60 minutes
  - 75 minutes
  - 90 minutes
  - No standard time slots
  - Other, please list:
- 

**18. Does your Cardiac Imaging (ECHO) Department report on the following: (CHECK ALL THAT APPLY)**

- Lead time in days for the next available open test slot
- Capacity/Fill rates
- On-time test starts
- Incomplete studies
- Unbilled studies

**19. Does your Cardiac Imaging (ECHO) Department track repeat studies?**

- Yes
- No

**20. Is there a policy in your Cardiac Imaging (ECHO) Department regarding the performance repeat studies?**

- Yes
- No

**21. Which of the following is your repeat study policy related to:**

- Length of time since previous echo
- Ability to bill for repeat study
- Type of echo performed for repeat study (i.e. limited vs. comprehensive)
- Other, please list: \_\_\_\_\_

**22. Does your Cardiac Imaging (ECHO) Department have a mechanism to track and report referring physician satisfaction?**

- Yes
- No

**23. Does your Cardiac Imaging (ECHO) Department (Inpatient, Ambulatory Outpatient or Hospital Outpatient) track Appropriate Use Criteria (AUC) documentation at the ordering physician level?**

- Yes
- No
- Don't know

**24. Have increased market demands prompted you to change your internal performance standards for interpreting physicians by implementing any of the following? (CHECK ALL THAT APPLY)**

- Same day interpretations with results available to ordering provider
- Time to final report 24 hours
- Performing live consults on patients with abnormal studies
- Contacting referring provider with any abnormal studies
- Assigned daily interpreter to field live calls from potential referring physicians on test selection
- None of the above

## Operational - Access Focused

**25. Does your Cardiac Imaging (ECHO) Department have a requirement that all inpatient tests must be interpreted within 24 hours and with results available for the ordering provider?**

- Yes
- No
- N/A

**26. Does your Cardiac Imaging (ECHO) Department have a requirement that all outpatient tests must be interpreted within 48 hours with results available for the ordering provider?**

- Yes
- No

**27. In your Cardiac Imaging (ECHO) Department is the typical first available time for a resting TTE study less than 3 days?**

- Yes
- No
- Don't know

**28. In your Cardiac Imaging (ECHO) Department is the typical first available time for an outpatient Stress TTE study less than 3 days?**

- Yes
- No
- Don't know

**29. In your Cardiac Imaging (ECHO) Department is the typical first available time for an outpatient non-operative TEE less than 5 days?**

- Yes
- No
- Don't know
- N/A - Do not perform TEEs

**30. Does your ambulatory Cardiac Imaging (ECHO) Department offer flexible hours outside of the typical daily operations? (CHECK ALL THAT APPLY)**

- Evening hours
- Early weekday morning hours
- Saturday hours
- No hours outside of typical daily operations

**31. Does your Cardiac Imaging (ECHO) Department have a requirement to offer same-day add-on studies as directed by your providers?**

- Yes
- No

**32. Does your inpatient Cardiac Imaging (ECHO) Department have 24/7 cardiovascular sonographer coverage?**

- Yes
- No
- N/A



**33. Does your inpatient Cardiac Imaging (ECHO) Department provide 24/7 physician interpretation services?**

- Yes
- No
- N/A

## Operational - HR Talent Management

**34. Within your Cardiac Imaging (ECHO) Department approximately what percentage of your sonographers are certified?**

- 0-25%
- 26-50%
- 51-75%
- 76-99%
- 100%

**35. Within your Cardiac Imaging (ECHO) Department, which credentials do you currently permit for echo sonographers and vascular technicians: (CHECK ALL THAT APPLY)**

- RDMS
- RDMS
- RCS
- CRCS
- RCCS
- RVT
- RVS
- RT(VS)
- Other, please specify: \_\_\_\_\_

**36. Does your Cardiac Imaging (ECHO) Department provide financial assistance for sonographer education needed to achieve and maintain certification?**

- Yes
- No

**37. Does your Cardiac Imaging (ECHO) Department exclusively use National Board of Echocardiography certified echocardiographers to perform interpretation services?**

- Yes
- No

**38. What board certifications are acceptable to perform interpretation services within your Cardiac Imaging (ECHO) Department? (CHECK ALL THAT APPLY)**

- National Board of Echocardiography
- American Board of Internal Medicine CV Diseases
- Unboarded
- Other, please specify: \_\_\_\_\_

**39. Does your Cardiac Imaging (ECHO) Department have stated CME requirements and tracking in place for your named echocardiography Medical Director?**

- Yes
- No
- N/A

**40. Does your Cardiac Imaging (ECHO) Department have stated CME requirements and tracking in place for your named echocardiography Technical Director?**

- Yes
- No
- N/A

**41. Does your Cardiac Imaging (ECHO) Department have stated CME requirements and tracking in place for all authorized interpreting echocardiographers?**

- Yes
- No

**42. Does your Cardiac Imaging (ECHO) Department require continued technical training for all cardiac ultrasound sonographers?**

- Yes
- No

**43. Does your Cardiac Imaging (ECHO) Department perform routine ergonomic evaluations and training for cardiac ultrasound sonographers?**

- Yes
- No

## Operational - Physician Resource Management

**44. Does your organization have the technology and infrastructure to offer remote reading capability for Cardiac Imaging (ECHO) interpreting providers, throughout your healthcare network?**

- Yes
- No

**45. Does your Cardiac Imaging (ECHO) Department have a consolidated reading service so that assigned readers from the interpretation pool have regular reading assignments? (versus each provider reading his/her own studies?)**

- Yes
- No

**46. Does your Cardiac Imaging (ECHO) Department track and monitor Medical Staff Productivity?**

- Yes
- No

**47. Does your Cardiac Imaging (ECHO) Department track and monitor Echo Equipment Utilization?**

- Yes
- No

## Operational - Process Management

**48. Does your Cardiac Imaging (ECHO) Department have an equipment replacement and refresh policy/protocol to ensure technical appropriateness of testing equipment?**

- Yes
- No

**49. Does your Cardiac Imaging (ECHO) Department have a written imaging protocol for sonographers performing resting TTE echoes to ensure efficacious and timely studies?**

- Yes
- No

**50. Does your Cardiac Imaging (ECHO) Department have a written imaging protocol for sonographers, nurses, exercise physiologists and/or Advanced Practice Providers to perform stress echo studies to ensure efficacious and timely studies?**

- Yes
- No

**51. Does your Cardiac Imaging (ECHO) Department have a written protocol for sonographers and/or providers to perform TEE studies to ensure efficacious and timely studies?**

- Yes
- No
- N/A

**52. Does your Cardiac Imaging (ECHO) Department require a standardized final report template for resting TTE echo studies?**

- Yes
- No

**53. Does your Cardiac Imaging (ECHO) Department require a standardized final report template for stress TTE echo studies?**

- Yes
- No

**54. Does your Cardiac Imaging (ECHO) Department require a standardized final report template for TEE echo studies?**

- Yes
- No
- N/A

**55. Does your Cardiac Imaging (ECHO) Department have a formal tracking method to ensure all final reports are in the appropriate standardized format?**

- Yes
- No

## Operational - Superior IT

**56. Does your Cardiac Imaging (ECHO) Department have a dedicated Cardiac PACS system?**

- Yes
- No
- We have shared Radiology/Cardiovascular PACS

**57. Does your Cardiac Imaging (ECHO) Department provide a clinical decision support ordering tool that is embedded in your ambulatory EMR?**

- Yes
- No

**58. Is the functionality of the Echo clinical decision support tool available to all referring physicians throughout your shared ambulatory EMR network to include PCPs?**

- Yes
- No
- Don't know

## Clinical - Clinical Standardization

**59. Does your Cardiac Imaging (ECHO) Department administer IV contrast agents (non-saline)?**

- Yes
- No

**60. Does your Cardiac Imaging (ECHO) Department have a standard written clinical protocol for how to administer IV contrast agents (non-saline)?**

- Yes
- No

**61. Within your Cardiac Imaging (ECHO) Department which clinical support professionals are permitted to administer contrast agents (non-saline)? (CHECK ALL THAT APPLY)**

- RNs
- Sonographers
- APPs
- Other, please list

**62. Does your Cardiac Imaging (ECHO) Department have an organization-wide standard written protocol that defines indications for when to use contrast?**

- Yes
- No



**63. If your Cardiac Imaging (ECHO) Department has more than one ambulatory location, do they all follow the same standardized clinical operating protocols?**

- Yes
- No
- Don't know
- N/A

## Clinical - Quality Management

**64. Is your Cardiac Imaging (ECHO) Department currently accredited by Intersocietal Accreditation Commission (IAC) for these Adult Echo services? (CHECK ALL THAT APPLY)**

- Adult TTE
- Adult TEE
- Adult Stress

**65. Is your Cardiac Imaging (ECHO) Department currently accredited by IAC for these Pediatric Echo Services? (CHECK ALL THAT APPLY)**

- Pediatric TTE
- Pediatric TEE
- Fetal

**66. Does your Cardiac Imaging (ECHO) Department have minimal standards for reporting and quality assurance for reader interpretations?**

- Yes
- No

**67. Does your Cardiac Imaging (ECHO) Department have a formalized quality assurance process with a specific number of studies that need to be reviewed per interpreting provider?**

- Yes
- No

**68. Does your Cardiac Imaging (ECHO) Department have a formalized quality assurance process for managing those interpretations that fall below the standards and follow-up with the interpreting provider?**

- Yes
- No

**69. Does your Cardiac Imaging (ECHO) Department have minimal standards for reporting and quality assurance for sonographers on their image capture?**

- Yes
- No

**70. Does your Cardiac Imaging (ECHO) Department have a formalized quality assurance process with a specific number of studies that need to be reviewed per sonographer?**

- Yes
- No

**71. Does your Cardiac Imaging (ECHO) Department have a formalized quality assurance process for managing those images that fall below your standards and follow-up with the performing sonographer?**

- Yes
- No

**72. Does your Cardiac Imaging (ECHO) Department have formalized Quality Assurance meetings for both your physicians and staff a minimum of two times per year?**

- Yes
- No

**73. Does your Cardiac Imaging (ECHO) Department have formalized staff training and competency review requirements on an annual basis?**

- Yes
- No

**74. Does your Cardiac Imaging (ECHO) Department have a critical results policy that outlines action required by both the testing staff and physicians?**

- Yes
- No

**75. Are the interpreting physicians in your Cardiac Imaging (ECHO) Department required to access past abnormal echo images for comparison purposes?**

- Yes
- No

**76. Do the interpreting physicians in your Cardiac Imaging (ECHO) Department have access to other imaging modalities, outside of Echo studies, for comparison purposes and correlations?**

- Yes
- No

**77. Does your Cardiac Imaging (ECHO) Department have a training protocol/standard that defines appropriate clinical staff for performance and supervision of a stress TTE?**

- Yes
- No

**78. Does your Cardiac Imaging (ECHO) Department have a standard requiring Advanced Cardiac Life Support (ACLS) certification for at least one clinical staff member to be on site during a stress test?**

- Yes
- No

**79. Does your Cardiac Imaging (ECHO) Department have a crash cart with a defibrillator and standardized supply placement for stress echo support?**

- Yes
- No
- N/A

**80. Does your Cardiac Imaging (ECHO) Department have an identified Code Team for stress echo support?**

- Yes
- No
- N/A

**81. Does your Cardiac Imaging (ECHO) Department hold regular drills to ensure readiness and competency in responding to Stress Testing emergency codes?**

- Yes
- No

**82. Does your Cardiac Imaging (ECHO) Department have interpretation volume standards to maintain provider privileges for echo, stress echo and TEE?**

- Yes
- No

**83. Does your Cardiac Imaging (ECHO) Department have standards for review of appropriate use in conjunction with ordering of the imaging study?**

- Yes
- No

## Transformational - Innovative Care Delivery

**84. Does your Cardiac Imaging (ECHO) Department provide organization-owned resources for mobile outreach services?**

- Yes
- No

**85. Does your Cardiac Imaging (ECHO) Department providers offer remote interpretation services for "telemedicine" outreach sites?**

- Yes
- No

**86. Does your Cardiac Imaging (ECHO) Department currently support hospital-based procedures requiring intraoperative echo services in the OR/Cath Lab /Hybrid Suites?**

- Yes
- No
- N/A

**87. Which professionals are permitted to physically manipulate the probe during hospital-based intraoperative procedures? (CHECK ALL THAT APPLY)**

- Cardiologists
- CV Fellows
- Anesthesiologists
- Sonographers
- Other, please list: \_\_\_\_\_

**88. Does your institution provide multidisciplinary clinics for disease management that utilize an echocardiographic imaging specialist (provider)?**

- Yes
- No

**89. If yes, which multidisciplinary clinics does your institution provides? (CHECK ALL THAT APPLY)**

- Structural Heart Program
- Diabetes Management
- Cardio-Oncology
- Other, please list: \_\_\_\_\_

**90. If providing Cardio-oncology services, what support does the Cardiac Imaging (ECHO) Department provide:**

- Imaging protocols only
- Cardiology consultation in partnership with Oncology only
- Both imaging protocols and cardiology consultation in partnership with Oncology

## Transformational - At Risk Payment Models (Alt Payment Models)

**91. Is your Cardiac Imaging (ECHO) Department the preferred echo lab contractor for any regional payer contracts?**

- Yes
- No
- Do not know

**92. Does your institution have any contracts with payers to provide delegated authorization to possibly eliminate pre-authorization for Cardiac Imaging (ECHO) services?**

- Yes
- No
- Do not know

**93. Is your overall Health Care organization part of an Accountable Care Organization (ACO)?**

- Yes
- No

## Transformational – Sub-Specialization

**94. Does your Cardiac Imaging (ECHO) Department offer any of the following advanced echo imaging technology: (CHECK ALL THAT APPLY)**

- 3D/4D TTE
- 3D/4D TEE
- Deformation imaging (“strain”)
- 3D/4D analysis tools
- Intracardiac Echo (ICE)
- Intravascular Ultrasound (IVUS)

**95. Has your Cardiac Imaging (ECHO) Department and providers developed any disease specific echo imaging protocols?**

- Yes
- No

**96. If your Cardiac Imaging (ECHO) Department and providers have developed disease specific imaging protocols, please check all that apply.**

- Hypertrophic Cardiomyopathy imaging protocols
- Cardio-Oncology imaging protocols
- Population - Risk stratification imaging protocols
- Ventricular Assist Device protocols
- Pericardial disease protocols
- Other, please list: \_\_\_\_\_



## Volumes and Equipment

**97. Please enter the echocardiogram volume numbers for the completed 12-month period of January through December, 2015 (excluding research echo studies) exclusively from your echo lab.**

	VOLUMES
<b>Resting Transthoracic (TTE)</b> 93303, 93304, 93306, 93307, 93308	
<b>Stress Transthoracic (TTE)</b> 93350, 93351	
<b>Transesophageal (TEE) echocardiograms</b> 93312, 93315, 93318	
<b>Fetal echocardiograms</b> 76825, 76826, 76827, 76828	
<b>Peripheral Vascular Testing</b> <ul style="list-style-type: none"> <li>· <b>Heads:</b> 93880, 93882, 93886, 93888</li> <li>· <b>Extremity:</b> 93922, 93923, 93924, 93925, 93926, 93930, 93931, 93970, 93971, 93965</li> <li>· <b>Renals:</b> 93975, 93976, 93978, 93979</li> </ul>	
<b>Total Volume (sum of all above)</b>	

**98. The majority of our cardiac ultrasound equipment is manufactured by:**

- Philips
- Siemens
- GE
- Toshiba
- Hitachi Aloka
- Other