

Section 2: Reading Center Data

ECHO Reading Center Data Files: FORM CODE=ECH VERSION=0200

Instructions: This contains the updated ECHO results from the reading center that were updated in 2021.

<i>ECH2</i>		<i>ACROSTIC_ID - ARIC patient acrostic ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3065		Missing

<i>ECH3</i>		<i>OCCURRED_ON - Date of echo</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3065	Range	04/10/1939 - 02/11/2020

<i>ECH4</i>		<i>LVEDD - Parasternal long axis view: End-diastolic left ventricular diameter (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2998	Range	2.3 - 7.06 (median=4.26 mean=4.323 std=0.520)
67		Missing

<i>ECH5</i>		<i>LVESD - Parasternal long axis view: End-systolic left ventricular diameter (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2795	Range	1.24 - 6.15 (median=2.43 mean=2.511 std=0.617)
270		Missing

<i>ECH6</i>		<i>IVS - Parasternal long axis view: Interventricular septum thickness (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3018	Range	0.57 - 2.11 (median=1.06 mean=1.088 std=0.180)
47		Missing

<i>ECH7</i>		<i>PW - Parasternal long axis view: Posterior wall thickness (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3014	Range	0.5 - 1.95 (median=0.96 mean=0.971 std=0.166)
51		Missing

<i>ECH8</i>		<i>LVEDV - End-diastolic volume (ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2893	Range	37.58 - 294.4 (median=81.72 mean=85.983 std=25.287)
172		Missing

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<i>ECH9</i>		<i>LVESV - End-systolic volume (ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2893	Range	7.39 - 200.97 (median=29.02 mean=32.634 std=15.758)
172		Missing

<i>ECH10</i>		<i>LVEF - Ejection fraction (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2893	Range	14 - 81.3 (median=64.3 mean=63.16 std=7.37)
172		Missing

<i>ECH11</i>		<i>LVM - LV mass (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2986	Range	37.94 - 445.03 (median=146.485 mean=152.9690 std=46.5757)
79		Missing

<i>ECH12</i>		<i>LVMI- LV mass index (g/m2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2820	Range	21.39 - 227.7 (median=78.765 mean=81.6571 std=20.7272)
245		Missing

<i>ECH13</i>		<i>LVWT - LV relative wall thickness</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2991	Range	0.22 - 1.1 (median=0.45 mean=0.455 std=0.091)
74		Missing

<i>ECH14</i>		<i>LVWTM - Mean LV wall thickness (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3028	Range	0.61 - 2.03 (median=1.02 mean=1.030 std=0.152)
37		Missing

<i>ECH15</i>		<i>LAWIDTH - Maximal left atrial anterior-posterior diameter (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3000	Range	1.45 - 5.74 (median=3.44 mean=3.457 std=0.599)
65		Missing

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<i>ECH16</i>		<i>LAV - Left atrial volume (ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2961	Range	10.73 - 219.88 (median=48.69 mean=51.988 std=19.029)
104		Missing

<i>ECH17</i>		<i>LAVI - LA volume index (ml/m2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2790	Range	6.76 - 124.93 (median=26.21 mean=27.911 std=9.505)
275		Missing

<i>ECH18</i>		<i>MRJA - Mitral regurgitation jet area (cm2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3007	Range	0 - 13.68 (median=0 mean=1.1 std=1.7)
58		Missing

<i>ECH19</i>		<i>MRJALAA - MR jet area-to-left atrial area ratio (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2929	Range	0 - 67.4 (median=0 mean=5.5 std=7.8)
136		Missing

<i>ECH20</i>		<i>EWAVE - Peak E wave velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3041	Range	25 - 215 (median=73 mean=75.7 std=21.7)
24		Missing

<i>ECH21</i>		<i>AWAVE - Peak A wave velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2845	Range	26 - 204 (median=88 mean=88.9 std=21.7)
220		Missing

<i>ECH22</i>		<i>DT - E wave deceleration time (m/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2749	Range	83 - 386 (median=202 mean=204.4 std=41.8)
316		Missing

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<i>ECH23</i>		<i>IVRT - Isovolumetric relaxation time (msec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3065		Missing

<i>ECH24</i>		<i>EALAT - Lateral early diastolic myocardial velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3024	Range	2.3 - 17.8 (median=6.4 mean=6.64 std=1.99)
41		Missing

<i>ECH25</i>		<i>AALAT - Lateral late diastolic myocardial velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2845	Range	1.8 - 22.3 (median=10.5 mean=10.54 std=2.71)
220		Missing

<i>ECH26</i>		<i>EASEPT - Septal early diastolic myocardial velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3018	Range	2 - 14.5 (median=5.1 mean=5.27 std=1.44)
47		Missing

<i>ECH27</i>		<i>AASEPT - Septal late diastolic myocardial velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2856	Range	1.6 - 19.4 (median=8.9 mean=9.00 std=2.07)
209		Missing

<i>ECH28</i>		<i>EARATIO - E/A ratio</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2829	Range	0.3 - 4.2 (median=0.8 mean=0.87 std=0.31)
236		Missing

<i>ECH29</i>		<i>EEPRIMELAT - E/Em lateral ratio</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3012	Range	3.5 - 53.6 (median=11.3 mean=12.25 std=4.85)
53		Missing

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<i>ECH30</i>		<i>LVOTVEL - LVOT peak velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3047	Range	34 - 213 (median=97 mean=99.3 std=20.5)
18		Missing

<i>ECH31</i>		<i>LVOTVTI - LVOT VTI (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3046	Range	4.35 - 60.13 (median=21.79 mean=22.111 std=4.904)
19		Missing

<i>ECH32</i>		<i>AOVPV - AV peak velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3039	Range	69 - 555 (median=135 mean=144.3 std=45.6)
26		Missing

<i>ECH33</i>		<i>PAOVG - Peak Aortic Valve Gradient (mmHg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3039	Range	1.9 - 123.2 (median=7.3 mean=9.15 std=7.53)
26		Missing

<i>ECH34</i>		<i>AOVVTI - AV VTI (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3039	Range	13.88 - 157.26 (median=30.01 mean=32.341 std=11.156)
26		Missing

<i>ECH35</i>		<i>MAOVG - Mean Aortic Valve Gradient (mmHg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3039	Range	1.2 - 73.5 (median=3.9 mean=5.00 std=4.34)
26		Missing

<i>ECH36</i>		<i>A4CRVEDA - Apical 4 chamber view: RV end diastolic area (cm2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2555	Range	7.9 - 44.57 (median=19.23 mean=19.969 std=5.254)
510		Missing

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<i>ECH37</i>		<i>A4CRVESA - Apical 4 chamber view: RV end systolic area (cm2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2554	Range	3.49 - 30.23 (median=9.535 mean=10.1428 std=3.2953)
511		Missing

<i>ECH38</i>		<i>RVFAC - RV fractional area change</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2554	Range	0.18 - 0.74 (median=0.5 mean=0.49 std=0.08)
511		Missing

<i>ECH39</i>		<i>TVSA - Tricuspid annular peak systolic myocardial velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2995	Range	3.6 - 24 (median=11.6 mean=11.82 std=3.00)
70		Missing

<i>ECH40</i>		<i>TRVEL - Peak tricuspid regurgitation velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2290	Range	146 - 440 (median=254 mean=258.7 std=37.3)
775		Missing

<i>ECH41</i>		<i>RVRAG - Peak RV-RA gradient (mmHg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2290	Range	8.5 - 77.6 (median=25.8 mean=27.33 std=8.21)
775		Missing

<i>ECH42</i>		<i>PVR - Pulmonary Vascular Resistance (Wood Units)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2269	Range	0.74 - 5.75 (median=1.84 mean=1.950 std=0.536)
796		Missing

<i>ECH43</i>		<i>EA - Arterial elastance (EA) (mmHg/ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2781	Range	1.03 - 23.64 (median=3.41 mean=3.600 std=1.157)
284		Missing

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<i>ECH44</i>		<i>EES - LV end-systolic elastance (EES) (mmHg/ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2635	Range	0.74 - 15.32 (median=3.86 mean=4.388 std=1.998)
430		Missing

<i>ECH45</i>		<i>EAEESRATIO - EA/EES</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2635	Range	0.33 - 7.71 (median=0.93 mean=0.937 std=0.415)
430		Missing

<i>ECH46</i>		<i>RVOTVTI - RVOT VTI (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3027	Range	4.57 - 40.76 (median=15.02 mean=15.285 std=3.615)
38		Missing

<i>ECH47</i>		<i>AVEPLS - Average peak longitudinal strain (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2918	Range	-24.1 - -4.1 (median=-17.8 mean=-17.52 std=2.76)
147		Missing

<i>ECH48</i>		<i>SDPLS - Standard deviation in time to peak longitudinal strain (msec) - Placeholder</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3065		Missing

<i>ECH49</i>		<i>AVEPTS Average peak transverse strain (%) - Placeholder</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3065		Missing

<i>ECH50</i>		<i>SDPTS - Standard deviation in time to peak transverse strain (msec) - Placeholder</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3065		Missing

<i>ECH51</i>		<i>AVEPRSPAP - Average peak radial strain, midpapillary level (%) - Placeholder</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3065		Missing

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ECH52		SDPRSPAP - Standard deviation in time to peak radial strain, midpapillary level (msec) - Placeholder
N	Value	Description
3065		Missing

ECH53		AVEPCSPAP - Average peak circumferential strain, midpapillary level (%)
N	Value	Description
2200	Range	-33.9 - -5.9 (median=-27.8 mean=-27.23 std=3.77)
865		Missing

ECH54		SDPCSPAP - Standard deviation in time to peak circumferential strain, midpapillary level (msec) - Placeholder
N	Value	Description
3065		Missing

ECH55		LVTORS - Left ventricular torsion (Degrees) - Placeholder
N	Value	Description
3065		Missing

ECH56		AI - Moderate or greater aortic insufficiency (Y or N)
N	Value	Description
3027	N	
38	Y	

ECH57		MS - Moderate or greater mitral stenosis (Y or N)
N	Value	Description
3065	N	

ECH58		PHTN - Moderate or greater pulmonary hypertension (Y or N)
N	Value	Description
3003	N	
62	Y	

ECH59		RVE - Severe right ventricular enlargement (Y or N)
N	Value	Description
3064	N	
1	Y	

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<i>ECH60</i>		<i>Other_cmt - Other comments</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
558	Present	Text suppressed
2507		Missing

<i>ECH61</i>		<i>PWES - Posterior wall thickness at end-systole (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2763	Range	0.62 - 2.58 (median=1.55 mean=1.567 std=0.253)
302		Missing

<i>ECH62</i>		<i>SASEPT - Septal myocardial velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3052	Range	2.3 - 15.2 (median=6.2 mean=6.32 std=1.39)
13		Missing

<i>ECH63</i>		<i>SALAT - Lateral myocardial velocity (cm/sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3043	Range	2.8 - 21 (median=7.4 mean=7.67 std=1.96)
22		Missing

<i>ECH64</i>		<i>EEPRIMESEPT - E/Em septal ratio</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3007	Range	3.7 - 48.4 (median=14.1 mean=15.17 std=5.55)
58		Missing

<i>ECH65</i>		<i>SOVD - Sinus of Valsalva diameter (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2990	Range	1.87 - 4.87 (median=3.06 mean=3.107 std=0.414)
75		Missing

<i>ECH66</i>		<i>LVEFQUAL - Qualitative LVEF, where quantitative LVEF not possible (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
97	Range	47.5 - 75 (median=65 mean=64.6 std=5.9)
2968		Missing

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<i>ECH67</i>		<i>COMMENTS</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
558	Present	Text suppressed
2507		Missing

<i>ECH68</i>		<i>Comparison to visit 5 echo comments present</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2723	No	
341	Yes	
1		Missing

<i>ECH69</i>		<i>Comparison to visit 5 echo comments</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
337	Present	Text suppressed
2728		Missing