

Section 2: Central Agency Files

Echocardiogram data file: FORM CODE=ECH VERSION=1.0

Instructions: File contains the participant's echocardiogram results.

<i>Vers</i>		<i>Vers</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118	0100	

<i>Occurrence</i>		<i>Occurrence</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118	1	

<i>ECH1</i>		<i>ARIC patient identifier</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118	Present	Text suppressed

<i>ECH2</i>		<i>ARIC patient acoustic ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118	Present	Text suppressed

<i>ECH4</i>		<i>Parasternal long axis view: End-diastolic left ventricular diameter (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6069	Range	2.67 - 8.68 (median=4.37 mean=4.415 std=0.525)
49		Missing

<i>ECH5</i>		<i>Parasternal long axis view: End-systolic left ventricular diameter (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6076	Range	1.25 - 7.12 (median=2.59 mean=2.645 std=0.521)
42		Missing

<i>ECH6</i>		<i>Parasternal long axis view: Interventricular septum thickness (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6072	Range	0.61 - 2.35 (median=1.02 mean=1.045 std=0.167)
46		Missing

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<i>ECH7</i>		<i>Parasternal long axis view: Posterior wall thickness (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6082	Range	0.41 - 2.3 (median=0.91 mean=0.935 std=0.146)
36		Missing

<i>ECH8</i>		<i>End-diastolic volume (ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5920	Range	28.71 - 319.8 (median=78.32 mean=82.739 std=25.705)
198		Missing

<i>ECH9</i>		<i>End-systolic volume (ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5920	Range	4.37 - 234.16 (median=26.57 mean=29.653 std=14.525)
198		Missing

<i>ECH10</i>		<i>Ejection fraction (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5919	Range	22.8 - 86.3 (median=65.7 mean=65.06 std=6.86)
199		Missing

<i>ECH11</i>		<i>LV mass (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6067	Range	56.31 - 484.33 (median=141.15 mean=150.043 std=46.674)
51		Missing

<i>ECH12</i>		<i>LV mass index (g per m2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6060	Range	30.01 - 306.19 (median=76.465 mean=80.1560 std=21.1984)
58		Missing

<i>ECH13</i>		<i>LV relative wall thickness</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6069	Range	0.13 - 1.32 (median=0.42 mean=0.428 std=0.077)
49		Missing

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<i>ECH14</i>		<i>Mean LV wall thickness (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6084	Range	0.62 - 2.33 (median=0.97 mean=0.990 std=0.141)
34		Missing

<i>ECH15</i>		<i>Maximal left atrial anterior-posterior diameter (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6085	Range	1.63 - 8.1 (median=3.54 mean=3.553 std=0.535)
33		Missing

<i>ECH16</i>		<i>Left atrial volume (ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6052	Range	11.86 - 353.11 (median=46.255 mean=49.1467 std=19.4115)
66		Missing

<i>ECH17</i>		<i>LA volume index (ml per m2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6045	Range	7.33 - 195.15 (median=24.83 mean=26.283 std=9.505)
73		Missing

<i>ECH18</i>		<i>Mitral regurgitation jet area (cm2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6094	Range	0 - 10.74 (median=0 mean=0.6 std=1.1)
24		Missing

<i>ECH19</i>		<i>MR jet area-to-left atrial area ratio (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6039	Range	0 - 44.8 (median=0 mean=3.3 std=5.4)
79		Missing

<i>ECH20</i>		<i>Peak E wave velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6098	Range	23 - 189 (median=65 mean=67.6 std=19.2)
20		Missing

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<i>ECH21</i>		<i>Peak A wave velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5837	Range	23 - 205 (median=79 mean=80.4 std=19.6)
281		Missing

<i>ECH22</i>		<i>E wave deceleration time (mm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6072	Range	63 - 650 (median=200 mean=204.6 std=46.4)
46		Missing

<i>ECH23</i>		<i>Isovolumetric relaxation time (msec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118		Missing

<i>ECH24</i>		<i>Lateral early diastolic myocardial velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6090	Range	2.3 - 22.4 (median=6.8 mean=7.05 std=2.08)
28		Missing

<i>ECH25</i>		<i>Lateral late diastolic myocardial velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5824	Range	2.1 - 34.2 (median=10.3 mean=10.43 std=2.50)
294		Missing

<i>ECH26</i>		<i>Septal early diastolic myocardial velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6100	Range	1.9 - 19.6 (median=5.5 mean=5.67 std=1.49)
18		Missing

<i>ECH27</i>		<i>Septal late diastolic myocardial velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5833	Range	1.7 - 17.5 (median=9.3 mean=9.34 std=1.94)
285		Missing

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<i>ECH28</i>		<i>E-A ratio</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5829	Range	0.3 - 3.6 (median=0.8 mean=0.86 std=0.29)
289		Missing

<i>ECH29</i>		<i>E-Em lateral ratio (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6080	Range	2.3 - 50.4 (median=9.5 mean=10.28 std=4.05)
38		Missing

<i>ECH30</i>		<i>LVOT peak velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6103	Range	40 - 223 (median=97 mean=98.5 std=20.1)
15		Missing

<i>ECH31</i>		<i>LVOT VTI (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6103	Range	7.34 - 46.1 (median=20.76 mean=21.055 std=4.452)
15		Missing

<i>ECH32</i>		<i>AV peak velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6093	Range	64 - 585 (median=126 mean=133.0 std=39.2)
25		Missing

<i>ECH33</i>		<i>Peak Aortic Valve Gradient (mmHg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6093	Range	1.6 - 136.9 (median=6.3 mean=7.69 std=6.28)
25		Missing

<i>ECH34</i>		<i>AV VTI (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6094	Range	12.83 - 132.25 (median=27.105 mean=28.7068 std=8.8856)
24		Missing

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<i>ECH35</i>		<i>Mean Aortic Valve Gradient (mmHg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6094	Range	0.9 - 67.5 (median=3 mean=3.7 std=3.3)
24		Missing

<i>ECH36</i>		<i>Apical 4 chamber view: RV end diastolic area (cm2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5557	Range	6.09 - 60.64 (median=18.94 mean=19.662 std=5.318)
561		Missing

<i>ECH37</i>		<i>Apical 4 chamber view: RV end systolic area (cm2)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5557	Range	2.99 - 39.76 (median=8.95 mean=9.379 std=3.061)
561		Missing

<i>ECH38</i>		<i>RV fractional area change</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5557	Range	0.17 - 0.76 (median=0.52 mean=0.523 std=0.078)
561		Missing

<i>ECH39</i>		<i>Tricuspid annular peak systolic myocardial velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5997	Range	3.3 - 31.5 (median=11.4 mean=11.62 std=2.90)
121		Missing

<i>ECH40</i>		<i>Peak tricuspid regurgitation velocity (cm per sec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3573	Range	153 - 435 (median=237 mean=239.7 std=29.8)
2545		Missing

<i>ECH41</i>		<i>Peak RV-RA gradient (mmHg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3573	Range	9.3 - 75.8 (median=22.4 mean=23.33 std=6.09)
2545		Missing

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<i>ECH42</i>		<i>Pulmonary Vascular Resistance (Wood Units)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3558	Range	0.86 - 4.71 (median=1.69 mean=1.763 std=0.436)
2560		Missing

<i>ECH43</i>		<i>Arterial elastance (EA) (mmHg per ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5907	Range	1.71 - 12.19 (median=4.46 mean=4.604 std=1.168)
211		Missing

<i>ECH44</i>		<i>LV end-systolic elastance (EES) (mmHg per ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5899	Range	1.09 - 22.57 (median=8.13 mean=8.390 std=2.722)
219		Missing

<i>ECH45</i>		<i>EA-EES</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5899	Range	0.27 - 2.08 (median=0.54 mean=0.580 std=0.168)
219		Missing

<i>ECH46</i>		<i>RVOT VTI (cm)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6077	Range	5.89 - 34.71 (median=15.54 mean=15.825 std=3.734)
41		Missing

<i>ECH47</i>		<i>Average peak longitudinal strain (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5698	Range	-25.79 - -3.78 (median=-18.17 mean=-17.895 std=2.597)
420		Missing

<i>ECH48</i>		<i>Standard deviation in time to peak longitudinal strain (msec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118		Missing

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<i>ECH49</i>		<i>Average peak transverse strain (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118		Missing

<i>ECH50</i>		<i>Standard deviation in time to peak transverse strain (msec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118		Missing

<i>ECH51</i>		<i>Average peak radial strain, midpapillary level (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118		Missing

<i>ECH52</i>		<i>Standard deviation in time to peak radial strain, midpapillary level (msec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118		Missing

<i>ECH53</i>		<i>Average peak circumferential strain, midpapillary level (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4484	Range	-40.27 - -4.48 (median=-28.245 mean=-27.7363 std=3.9313)
1634		Missing

<i>ECH54</i>		<i>Standard deviation in time to peak circumferential strain, midpapillary level (msec)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118		Missing

<i>ECH55</i>		<i>Left ventricular torsion (Degrees)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118		Missing

<i>ECH56</i>		<i>Moderate or greater aortic insufficiency</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6090	N	No
28	Y	Yes

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<i>ECH57</i>		<i>Moderate or greater mitral stenosis</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118	N	No

<i>ECH58</i>		<i>Moderate or greater pulmonary hypertension</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6073	N	No
45	Y	Yes

<i>ECH59</i>		<i>Severe right ventricular enlargement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6117	N	No
1	Y	Yes

<i>ECH3T</i>		<i>Time of Date of echo (mm-dd-yyyy)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118	Range	0:00 - 0:00

<i>ECH3_FollowUpDays</i>		<i>Days of follow up from visit 1 to Date of echo (mm-dd-yyyy)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6118	Range	7848 - 9752 (median=8633.5 mean=8644.07 std=358.64)

<i>ECH3_year</i>		<i>Year of Date of echo (mm-dd-yyyy)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1853	2011	
3544	2012	
721	2013	