

<u>Variable</u>	<u>Normal weight (n = 101)</u>	<u>Obese (n=114)</u>	<u>Type II Diabetic (n=116)</u>	<u>p-value</u>
LA EDV (mL)	17.5 (13.6, 20.8)	21.6 (16.4, 28.7)	17.6 (13.1, 22.8)	0.001
LA ESV (mL)	44.4 (39.1, 56.1)	57.1 (46.2, 69.4)	50.7 (38.8, 60.5)	0.001
LA EF (%)	63.3 (55.7, 67.7)	63.1 (54.6, 68)	64.1 (58.6, 70.2)	0.3
LA Volume (mL/m ²)	17.4 (14.4, 19.9)	15.8 (13.1, 19.6)	13.9 (11.9, 16.9)	<0.0001
Septal e' (cm/s)	13.2 (11.7, 14.6)	11.6 (10.5, 13)	10.6 (9.7, 11.9)	0.0001
Septal a' (cm/s)	6.8 (5.7, 7.6)	6.8 (5.8, 8.1)	7.4 (6.3, 8.7)	0.005
Lateral e' (cm/s)	17.4 (15.8, 19.2)	16.1 (13.9, 17.7)	14.3 (11.7, 16.5)	0.0001
Lateral a' (cm/s)	6.1 (5.2, 7.3)	7 (5.8, 8.6)	7.3 (6.1, 9.1)	0.0001
Mitral Valve E Wave (cm/s)	91.6 (81.8, 100.7)	90.2 (78.8, 104.9)	92.9 (81.7, 105.9)	0.5
Mitral Valve A Wave (cm/s)	41.3 (34.8, 53.2)	48.4 (38.1, 58.4)	57.2 (44.2, 69.6)	0.0001
E/A (lower is worse)	2.0 (1.7, 2.5)	2.0 (1.5, 2.3)	1.6 (1.3, 2.0)	0.0001
Septal E/e'	6.8 (6.1, 7.7)	7.7 (6.6, 9.3)	8.8 (7.6, 9.8)	0.0001
Lateral E/e'	5.1 (4.6, 6.1)	5.7 (5.1, 6.5)	6.5 (5.3, 7.8)	0.0001
Average E/e' (higher is worse)	5.9 (5.2, 6.7)	6.6 (5.8, 7.5)	7.4 (6.2, 8.7)	0.0001
Average Heart Rate (bpm)	63 (55, 69)	65 (58, 71)	73 (64, 80)	<0.0001
Shortening Fraction (%)	35.6 (31.4, 39.5)	36.1 (32.3, 41.3)	36.1 (32.3, 42)	0.19
LV Mass (grams)	117.6 (95.4, 159)	151.5 (119.3, 188.3)	149.8 (123, 178.7)	<0.0001
Booster Function	16.6 (12.4, 20)	12.3 (9.6, 16)	13.1 (9.6, 18.4)	0.0009
Reservoir Function	52.2 (44.8, 58.2)	45.1 (37.9, 53.4)	46.6 (39.7, 55.1)	0.0001
Conduit Function	36.8 (30.8, 41.4)	32.8 (27.3, 37.1)	33.1 (28.7, 41.3)	0.007
Reservoir Strain Rate	2.0 (1.6, 2.4)	1.8 (1.3, 2.2)	1.8 (1.4, 2.2)	0.01
Conduit Strain Rate	-2.6 (-3.3, -1.6)	-2.2 (-2.8, -1.4)	-2.1 (-2.5, -1.4)	0.002
Booster Strain Rate	-0.2 (-0.6, -0.05)	-0.4 (-0.7, -0.06)	-0.4 (-0.8, -0.1)	0.1

Values are given as either means of the group \pm standard deviation with p-values obtained using ANOVA-or medians with interquartile range (25th-75th percentile) with p-values obtained using Kruskal-Wallis. LA (left atrium)-EDV (end diastolic volume)-ESV (end systolic volume)-EF (ejection fraction)-FAC (fractional area change).