

Supplemental table 1. Reference values for regional strain in the healthy population

	n	Mean	SD	Limits of Normal	
Longitudinal (four-chamber)					
Basal Lateral	494	-15.6	± 5.3	[-26.2	-5.1]
Mid Lateral	473	-15.1	± 4.8	[-24.7	-5.5]
Apical Lateral	419	-11.6	± 4.2	[-20.0	-3.2]
Basal Septal	492	-12.3	± 2.9	[-18.1	-6.6]
Mid Septal	509	-19.4	± 3.1	[-25.6	-13.3]
Apical Septal	503	-20.3	± 4.9	[-30.1	-10.6]
Longitudinal (two-chamber)					
Basal Anterior	378	-16.6	± 4.7	[-25.9	-7.2]
Mid Anterior	349	-15.6	± 4.8	[-25.2	-5.9]
Apical Anterior	260	-10.3	± 4.1	[-18.4	-2.1]
Basal Inferior	388	-16.0	± 4.3	[-24.7	-7.3]
Mid Inferior	390	-19.0	± 3.7	[-26.4	-11.6]
Apical Inferior	376	-20.0	± 5.2	[-30.4	-9.6]
Circumferential					
Anterior	477	-13.7	± 4.6	[-22.9	-4.5]
Lateral	475	-13.4	± 4.7	[-22.8	-4.1]
Posterior	496	-15.4	± 5.8	[-26.9	-3.9]
Inferior	504	-15.6	± 4.6	[-24.8	-6.4]
Anteroseptal	519	-18.9	± 4.7	[-28.4	-9.5]
Inferoseptal	518	-16.9	± 4.0	[-25.0	-8.8]
Radial					
Anterior	475	34.7	± 18.5	[-2.3	71.7]
Lateral	472	34.0	± 19.2	[-4.4	72.5]
Posterior	497	47.7	± 21.8	[4.2	91.3]
Inferior	503	39.6	± 18.8	[1.9	77.2]
Anteroseptal	518	30.2	± 12.3	[5.5	54.8]
Inferoseptal	518	34.6	± 16.1	[2.5	66.7]

Limits of normal are based on prediction intervals. Longitudinal strain was measured at apical four-chamber and two-chamber views. Circumferential and radial strains were measured at parasternal short-axis view at mid-ventricular level. n = number of exams analyzed. SD = standard deviation.