SUPPLEMENTAL MATERIAL

Table S1. Patient Characteristics by Race and Ethnicity, and Obstructive versus Nonobstructive Phenotype

	Obstructive HCM				Nonobstructive HCM			
	White	**Black**	**Hispanic**	**p**	**White**	**Black**	**Hispanic**	**p**
Total (N)	18494 (77.0%)	4106 (17.1%)	1410 (5.80%)		20331 (69.8%)	6763 (23.2%)	2013 (6.90%)	
Female	11216 (60.6%)	2737 (66.7%)	854 (60.6%)	<0.001	11203 (55.1%)	3561 (52.7%)	1063 (52.8%)	<0.001
Age				<0.001				<0.001
18-34	530 (2.90%)	260 (6.30%)	102 (7.20%)		672 (3.30%)	460 (6.80%)	154 (7.70%)	
35-54	2974 (16.1%)	1073 (26.1%)	394 (27.9%)		3432 (16.9%)	2058 (30.4%)	687 (34.1%)	
55-64	3488 (18.9%)	977 (23.8%)	278 (19.7%)		3513 (17.3%)	1543 (22.8%)	337 (16.7%)	
65-74	4647 (25.1%)	896 (21.8%)	279 (19.8%)		4776 (23.5%)	1330 (19.7%)	356 (17.7%)	
75+	6855 (37.1%)	900 (21.9%)	357 (25.3%)		7938 (39.0%)	1372 (20.3%)	479 (23.8%)	
Insurance				<0.001				<0.001
Medicare	12286 (66.4%)	2290 (55.8%)	713 (50.6%)		13667 (67.2%)	3626 (53.6%)	945 (46.9%)	
Medicaid	1258 (6.8%)	820 (20.0%)	308 (21.8%)		1507 (7.40%)	1454 (21.5%)	569 (28.3%)	
Private insurance	4622 (25.0%)	813 (19.8%)	318 (22.6%)		4777 (23.5%)	1348 (19.9%)	396 (19.7%)	
Uninsured	328 (1.80%)	183 (4.50%)	71 (5.00%)		380 (1.90%)	335 (5.00%)	103 (5.10%)	
Median ZIP income				<0.001				<0.001
Q1: $0-$47,999	3927 (21.2%)	2093 (51.0%)	474 (33.6%)		5625 (27.7%)	792 (11.7%)	357 (17.7%)	
Q2: $48,000-$60,999	4744 (25.7%)	891 (21.7%)	351 (24.9%)		5423 (26.7%)	1169 (17.3%)	425 (21.1%)	
Q3: $61,000-$81,999	4791 (25.9%)	662 (16.1%)	351 (24.9%)		5140 (25.3%)	1472 (21.8%)	499 (24.8%)	
Q4: $82,000+	5032 (27.2%)	460 (11.2%)	234 (16.6%)		4143 (20.4%)	3330 (49.2%)	732 (36.4%)	
Rurality				<0.001				<0.001
Urban	9407 (50.9%)	2927 (71.3%)	1074 (76.2%)		10213 (50.2%)	4579 (67.7%)	1355 (67.3%)	
Town	5815 (31.4%)	920 (22.4%)	268 (19.0%)		6534 (32.1%)	1710 (25.3%)	530 (26.3%)	
Rural	3272 (17.7%)	259 (6.30%)	68 (4.80%)		3584 (17.6%)	474 (7.00%)	128 (6.40%)	
Comorbidities								
Hypertension, complicated	5340 (28.9%)	1832 (44.6%)	433 (30.7%)	<0.001	6556 (32.2%)	3489 (51.6%)	669 (33.2%)	<0.001
Cardiac arrhythmia	11507 (62.2%)	2097 (51.1%)	807 (57.2%)	<0.001	12496 (61.5%)	3098 (45.8%)	988 (49.1%)	<0.001
Congestive heart failure	7805 (42.2%)	1913 (46.6%)	567 (40.2%)	<0.001	9099 (44.8%)	3406 (50.4%)	837 (41.6%)	<0.001
Obesity	3479 (18.8%)	1008 (24.5%)	302 (21.4%)		3514 (17.3%)	1528 (22.6%)	394 (19.6%)	<0.001

Diabetes	1728 (9.30%)	683 (16.6%)	176 (12.5%)		2166 (10.7%)	1267 (18.7%)	328 (16.3%)	<0.001
Presence of ICD	2321 (12.6%)	630 (15.3%)	209 (14.8%)	<0.001	2657 (13.1%)	755 (11.2%)	202 (10.0%)	<0.001

 HCM, hypertrophic cardiomyopathy; ICD, implantable cardioverter-defibrillator. Comparisons were conducted using chi-square tests of independence.

Table S2. Hospital-Year Characteristics

	Hospital-Years
Total (N)	13020
Size	
Small	3429 (26.3%)
Medium	4081 (31.3%)
Large	5510 (42.3%)
Ownership	
Government, nonfederal (public)	1290 (9.9%)
Private, not-for-profit (voluntary)	9726 (74.7%)
Private, investor owned (proprietary)	2004 (15.4%)
Teaching status	
Rural	1734 (13.3%)
Urban - Non-teaching hospital	4498 (34.5%)
Urban - Teaching hospital	6788 (52.1%)
Region	
Northeast	2562 (19.7%)
Midwest	3137 (24.1%)
South	4715 (36.2%)
West	2606 (20.0%)

Because hospitals cannot be tracked year to year, data are presented as hospital-years. To estimate annual n, divide by 7.

Table S3. In-hospital Mortality Rate by Hypertrophic Cardiomyopathy Procedure

	Mortality Rate
Overall (n=53117)	3.23%
Septal myectomy (n=1654)	3.33%
Alcohol septal ablation (n=772)	1.55%
ICD procedure (n=1598)	0.56%
Any HCM procedure (n=3871)	1.91%

Figure S1. Participant Flow Diagram

Enrollment

HCM hospitalizations in NIS 2012-2018 (n=65,476)

Allocation

Excluded due to Missing (n=9,629)*
- Death (n=38)
- Transfer in status (n=310)
- Transfer out status (n=38)
- Age <18 years old or missing (n=9)
- Missing sex (n=11)
- Race other than Black, White, or Hispanic or missing (n=6,869)
- Insurance other than Private, Medicare, Medicaid, or Self-Pay or missing (n=1,637)
- ZIP income (n=1,227
- Rurality (n=234)

*Numbers do not sum since records could be missing more than one element

Excluded for other reasons (n=2,730)
- Transferred to another acute care hospital (n=1,634)
- AIDS or metastatic cancer (n=1,096))

HCM patients (n=53,117)

Obstructive HCM patients (n=24,010)

Non-obstructive HCM patients (n=29,107)