

## Background

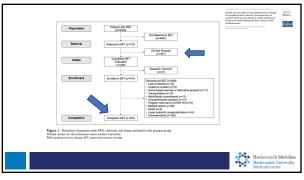
- Guidelines recommend the use of SET to improve functional status and QOL in people with symptomatic PAD
   CMS has reimbursed the cost of SET since 2017
- CWS has reimbursed the cost of SET since 2017
   Despite a Class IA recommendation, reports indicate low utilization and completion of SET
- Retrospective chart review of patients referred to SET from 2017-2022
- 5320 total patients with PAD analyzed

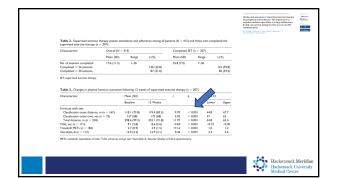


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Uptake and outcomes of supervised exercise therapy for peripheral artery disease: The imperators of usersfar modeline specialize at a large midwatemen health care system during the first 5 years of CMS reimbursement









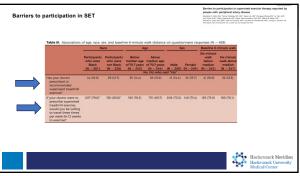
SET participation rates – demographics and geographic variation	Crandina California Santa Mariji Natavas Bandara Mandara Santa Mandara Mandara Santa
	Expensioned Exercise Therapy for Symptomatic Peripheral Artery Disease Among Medicare Beneficiaries Between 2017 and 2010: Participation Rates and Outcomes
	beging therapes, WP 🖨 , Amit a Cannel, MP 🗟 , Hyper-Dines, MS, Changas Shee, HHJ, Mass P, Sonaca, MS, MP R 🍙 , and Gricis A. December, MS, MD R
National Study	
Among 129,699 patients with a diagnosis of intermi (1.3%) were enrolled in SET during a study period f	
Median number of sessions attended was 16.	
Only 89 patients completed the program of 36 sess	ions
Compared with those who did not enroll, SET patient likely to be White these Discletered energy likely to be	

- likely to be White than Black, and more likely to be male.
- A majority of patients enrolled in SET were from the Midwest and Northeast regions of the United States.

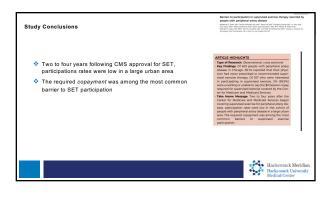
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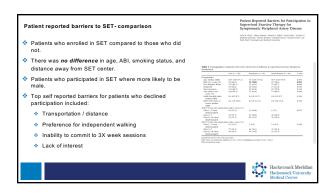
Characteristics	SET (n=1735)	Non-SET (n=127 964)	P	SET (n=1735)	Non-SET matched cohort	P
Age, y, mean (SD)	73.6±8.0	73.1±9.1	0.02	73.6±8.0	73.7±8.5	0.84
Dual Medicaid-Medicare enrollment, n (%)	221(12.7%)	28 642 (22.4%)	<0.001	221(12.7%)	672 (12.9%)	0.85
Female, n(%)	677 (39.0%)	54 438 (42.5%)	0.003	677 (39.0%)	2041 (39.2%)	0.89
Race, n (%)			0.002			0.86
White	1512 (87.2%)	10 7436 (84.0%)		1512 (87.2%)	4560 (87.6%)	
Black	153 (8.8%)	13 970 (10.9%)		153 (8.8%)	453 (8.7%)	
Other	13 (0.7%)	1348 (1.1%)		13 (0.7%)	42 (0.8%)	
Asian	5 (0.3%)	1037 (0.8%)		5 (0.3%)	13 (0.2%)	
Hispanic	17(1%)	1982 (1.5%)		17 (1%)	58 (1.1%)	
Chronic kidney disease	795 (45.8%)	62 322 (48.7%)	0.02	795 (45.8%)	2359 (45.3%)	0.72
Congestive heart failure	550 (31.7%)	41 322 (32.3%)	0.6	550 (31.7%)	1597 (30.7%)	0.43
Diabetes	821 (47.3%)	63 023 (49.3%)	0.11	821 (47.3%)	2495 (47.9%)	0.66
Ischemic heart disease	1211(69.8%)	88 757 (69.4%)	0.7	1211 (69.8%)	3618 (69.5%)	0.82
Stroke/transient ischemic attack	116 (6.7%)	9938 (7.8%)	0.1	116 (6.7%)	333 (6.4%)	0.67
Hyperlipidemia	1366 (78.7%)	101 318 (79.2%)	0.65	1366 (78.7%)	4114 (79.0%)	0.79
Hypertension	1494 (86.1%)	113 489 (88.7%)	<0.001	1494 (85.1%)	4469 (85.9%)	0.8
Tobacco use	965 (55.6%)	74 339 (58.1%)	0.04	965 (55.6%)	2827 (54.3%)	0.34
Total comorbidities, mean	6.6±3.1	7.1±3.0	<0.001	6.6±3.1	6.4±2.9	0.15



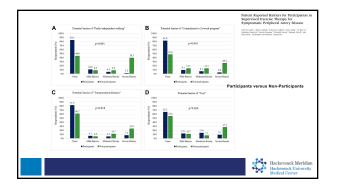








0	Patients who declined participation in SET had similar disease status	Onle M. Chary, "Allow Adapting "Allow M. C. Gall," Serve High, "A like K. C. Tayhout Developed," Passis Revenue, "Balands Tainet," Honols Farett," and Berlt Mell, "Ferematers and Institut, Generator." In Claudification.				
	and access to care than participating counterparts.	Please rate the following reasons as potential barriers to completion in a supervised exercise program	Total (r = 150)	Participants (r = 66)	Nerparticipants (r = 84)	Palse
		Inability to walk safely	28 (18.7)	11 (16.7)	17 (20.2)	0.577
		on the treadmill Pain with walking on	65 (43.3)	37 (56.1)	28 (33.3)	0.005
	However, top reported barriers included transportation / distance,	the treadmill Active medical condition besides PAD	46 (30.7)	22 (33.3)	24 (28.6)	0.530
	and cost, which highlight areas of	Cost	61 (40.7)	23 (34.8)	38 (45.2)	0.198
		Family commitment	27 (18.0)	10 (15.2)	17 (20.2)	0.421
	focus to increase equitable	COVID-19 risk Transportation/distance	25 (16.7) 45 (10.0)	12 (18.2) 12 (18.2)	13 (15.5) 33 (39.3)	0.659
	access to these services.	Prefer independent walking	45 (30.0) 58 (38.7)	11 (16.7)	47 (56.0)	< 0.001
		Commitment to 3×/ work program	56 (37.3)	12 (18.2)	44 (52.4)	< 0.001
	,	Job commitments	21 (14.0)	6 (9.1)	15 (17.9)	0.125
		Lack of symptoms on treadmill	12 (8.0)	6 (9.1)	6 (7.1)	0.662
		Lack of interest	20 (13.3)	3 (4.5)	17 (20.2)	0.005
		Total number of perceived barriers (median, IQR)	3 (2-4)	2 (1-4)	3 (2-5)	0.001





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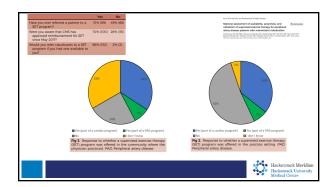
## Incentives and Individualized Coaching

- Prospective quality improvement protocol.
   Three pronged approach was utilized to improve completion of SET Program
  - Financial incentives up to \$180
  - Scheduled coaching with advanced practitioner staff
  - Informational materials on the importance of SET and lifestyle modification
- 73 patients enrolled/56 patients completed SET Program, increasing SET completion rate to 76.7% over a two year study period.
- Patients who completed program noticed improved symptoms, and total walking distance and duration both subjectively and objectively.



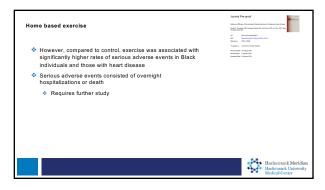
## Increase physician awareness Questionnaire sent to 900 vascular surgeons, cardiologists and vascular medicine physicians 135 responses to the survey. Majority of responders (54%) stated that there was no SET Program at their facility Of those who had a SET program, 81% were associated with cardiac rehabilitation Only 19% had a PAD specific program 49% of physicians had never referred a patient for SET 26% were not aware that CMS covered SET session Even of the physicians who were aware of CMS reinbursement, 36% had never

 Even of the physicians who were aware of CMS reimbursement, 36% had never referred a patient to SET









## Conclusions

- SET works and is guideline-based treatment for claudication
- There is a lack of awareness of among treating physicians
- $\boldsymbol{\diamondsuit}$  There are a lack of appropriate available programs
- There are multiple barriers from the patient perspective including lack of program availability as well as time, travel and cost considerations
- Potential ways to increase participation:
  - Increase physician awareness
  - Increase program availability
  - Decrease barriers
  - Coaching and incentives
  - Consider home based exercise programs



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