Supplemental Material

**Supplemental Table 1:** Results of univariable analysis for candidate predictors of referral to exercise rehabilitation

| Predictor                                | OR  | 95% CI    |
|------------------------------------------|-----|-----------|
| SES (vs high)                            |     |           |
| Middle                                   | 0.56| 0.14 — 2.3|
| Low                                      | 0.25| 0.06 — 1.02|
| Non-private insurance (vs private)       | 0.59| 0.19—1.78 |
| BMI (per 1 kg/m$^2$)                     | 1.05| 0.97—1.14 |
| Male (vs female)                         | 0.83| 0.19—3.68 |
| Age per 1 year                           | 1.01| 0.97—1.04 |
| WHO functional class (vs class 3)        |     |           |
| Class 1                                  | 0.23| 0.05—1.18 |
| Class 2                                  | 0.98| 0.30—3.16 |

OR = odds ratio; CI = confidence interval; SES = socioeconomic status; BMI = body mass index; WHO = World Health Organization.
Supplemental Table 2: Univariable analysis of barriers to exercise therapy by referral status

| 1. Distance | **0.71** | **0.49** | **1.02** |
| 2. Cost | **0.68** | **0.47** | **0.98** |
| 3. Transportation problems | **1.01** | **0.70** | **1.46** |
| 4. Family responsibilities | **0.86** | **0.58** | **1.26** |
| 5. I didn’t know about exercise therapy | **0.24*** | **0.12** | **0.51** |
| 6. I don’t need exercise therapy | **0.45** | **0.27** | **0.77** |
| 7. I already exercise at home, or in my community | **0.59** | **0.40** | **0.88** |
| 8. Severe weather | **0.92** | **0.64** | **1.40** |
| 9. I find exercise tiring or painful | **0.82** | **0.56** | **1.20** |
| 10. Travel | **0.97** | **0.68** | **1.41** |
| 11. Time constraints | **0.98** | **0.68** | **1.40** |
| 12. Work responsibilities | **1.24** | **0.84** | **1.83** |
| 13. I don’t have the energy | **0.81** | **0.56** | **1.17** |
| 14. Other health problems prevent me from going | **1.03** | **0.70** | **1.52** |
| 15. I am too old | **0.56** | **0.26** | **1.18** |
| 16. My doctor did not feel it was necessary | **0.20*** | **0.09** | **0.44** |
| 17. Many people with PH don’t go, and they are fine | **0.30** | **0.12** | **0.75** |
| 18. I can manage my pulmonary hypertension on my own | **0.24** | **0.10** | **0.56** |
| 19. I think I was referred, but the rehab program didn’t contact me | **0.49** | **0.25** | **0.99** |
| 20. It took too long to get referred and into the program | **0.72** | **0.44** | **1.19** |
| 21. I prefer to take care of my health alone, not in a group | **0.25*** | **0.12** | **0.53** |
| Perceived need and healthcare factors (5, 6, 7, 16, 17, 18, 19, 20, 21) | **0.08*** | **0.02** | **0.30** |
| Logistical factors (1, 2, 3, 4, 8) | **0.69** | **0.41** | **1.16** |
| Work/time conflicts (10, 11, 12) | **1.14** | **0.69** | **1.87** |
| Comorbidities/functional status (9, 13, 14, 15) | **0.76** | **0.43** | **1.37** |
| Mean barrier score | **0.25** | **0.09** | **0.68** |

*p<0.05, **p<0.01, ***p<0.001

PH = pulmonary hypertension.
Supplemental Figure 1: MacArthur Scale of Subjective Social Status

Think of this ladder as representing where people stand in the United States. At the top of the ladder are the people who are the best off - those who have the most money, most education, and best jobs. At the bottom are the people who are the worst off - who have the least money, least education, and the worst jobs or no jobs. The higher up you are on this ladder, the closer you are to the people at the very top and the lower you are, the closer you are to the people at the very bottom.

Where would you place yourself on this ladder?

Please place a large “X” on the rung where you think you stand at this time in your life, relative to other people in the United States.
**Supplemental Figure 2: Cardiac Rehabilitation Barriers Scale**

Please indicate how much you agree or disagree with the following statements.

|   | Strongly Disagree | Disagree | Neither Agree or Disagree | Agree | Strongly Agree |
|---|-------------------|----------|---------------------------|-------|----------------|
| 12. | ...of distance (e.g., not located in your area, too far to travel) | | | | |
| 13. | ...of cost (e.g., parking, gas) | | | | |
| 14. | ...of transportation problems (e.g., access to car, public transportation) | | | | |
| 15. | ...of family responsibilities (e.g., caregiving) | | | | |
| 16. | ...I didn’t know about exercise therapy (e.g., doctor didn’t tell me about it) | | | | |
| 17. | ...I don’t need exercise therapy (e.g., feel well, heart or lung problem treated, not serious) | | | | |
| 18. | ...I already exercise at home, or in my community | | | | |
| 19. | ...severe weather | | | | |
| 20. | ...I find exercise tiring or painful | | | | |
| 21. | ...travel (e.g., holidays, business, cottage) | | | | |
| 22. | ...of time constraints (e.g., too busy, inconvenient class time) | | | | |
| 23. | ...of work responsibilities | | | | |
| 24. | ...I don’t have the energy | | | | |
| 25. | ...other health problems prevent me from going (specify:__________) | | | | |
| 26. | ...I am too old | | | | |
| 27. | ...my doctor did not feel it was necessary | | | | |
| 28. | ...many people with heart and lung problems don’t go, and they are fine | | | | |
| 29. | ...I can manage my heart and lung problem on my own | | | | |
| 30. | ...I think I was referred, but the rehab program didn’t contact me | | | | |
| 31. | ...it took too long to get referred and into the program | | | | |
| 32. | ...I prefer to take care of my health alone, not in a group | | | | |

33. Other reason(s) for not attending an exercise therapy program (write-in below):