

**Figure 1: STUDY DESIGN FOR SURVEY**

## STUDY DESIGN FOR SURVEY

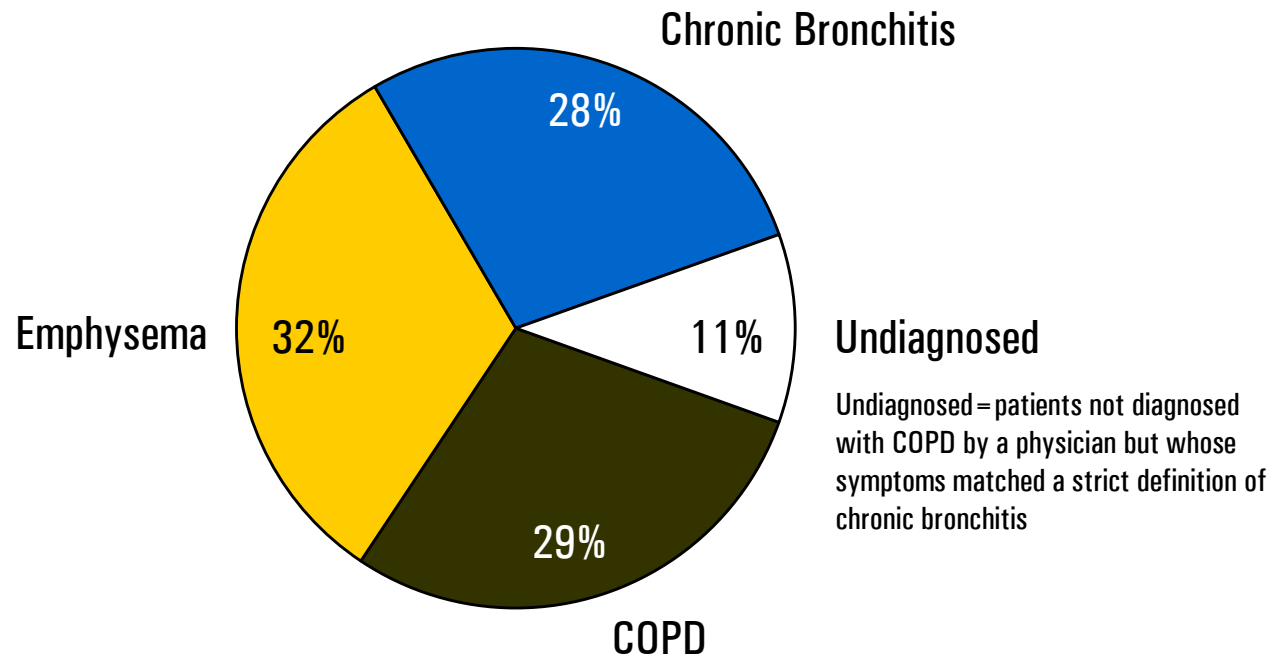
Population	Sampling Frame	Interview Length	Final Sample Size
People aged 45 and older diagnosed as having emphysema, chronic bronchitis, or chronic obstructive pulmonary disease, or meeting symptomatic definition of chronic bronchitis	National probability sample of 26,880 households screened by random digit dialing	34 minutes	573
Primary care doctors in direct patient care in outpatient setting	AMA/AOA* listings	26 minutes	100
Respiratory specialists in direct patient care in outpatient setting	AMA/AOA* listings	22 minutes	103

\*AMA=American Medical Association and AOA=American Osteopathic Association

**CHRONIC OBSTRUCTIVE PULMONARY DISEASE**

**CONFRONTING**  
**C.O.P.D.**  
IN AMERICA

**Figure 2: PRIMARY DIAGNOSIS**  
Patients



Q1-3. Have you ever been diagnosed by a physician as having: emphysema, chronic bronchitis, chronic obstructive pulmonary disease (COPD)? N = 573

Q1-2. How many months in the past 12 months have you had bronchitis or chronic coughing with phlegm/sputum from the chest? For how many years have you had ...? N = 573

## Figure 3: DEMOGRAPHIC PROFILE OF PEOPLE WITH COPD INTERVIEWED

Total number of people interviewed 573

### AGE

45-54	22%
55-64	28%
65-74	29%
75 +	21%

### GENDER

Male	40%
Female	60%

### RACE / ETHNICITY

White	87%
Black	7%
Mixed	3%
Other	3%

### WORK STATUS

Employed full-time	18%
Employed part-time	7%
Unemployed	6%
Retired	52%
Homemaker	4%
Too ill to work	13%

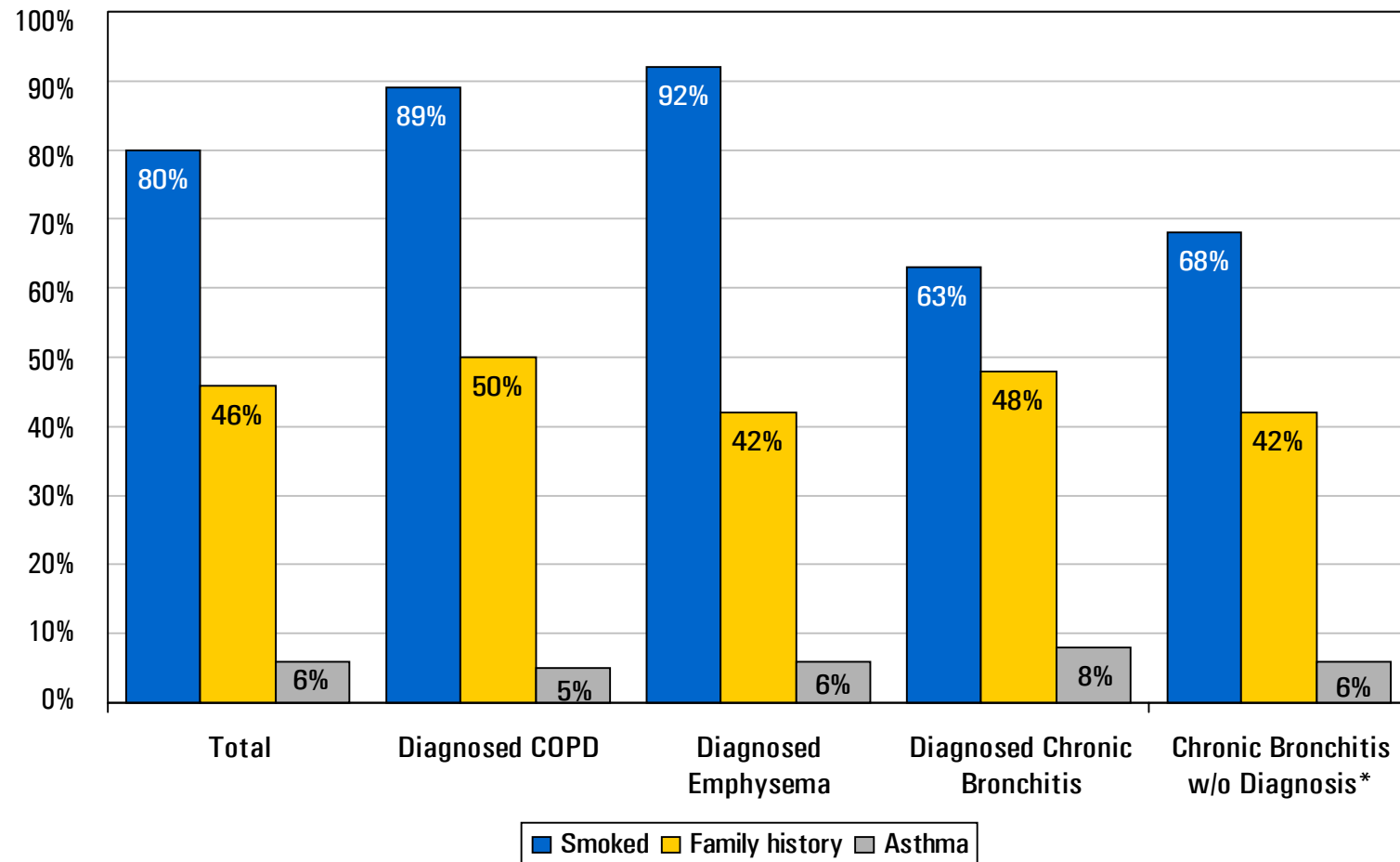
### EVER SMOKED

Yes	80%
No	18%

CHRONIC OBSTRUCTIVE PULMONARY DISEASE

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IN AMERICA

**Figure 4: SMOKING, FAMILY HISTORY, AND ASTHMA  
By Diagnosis**

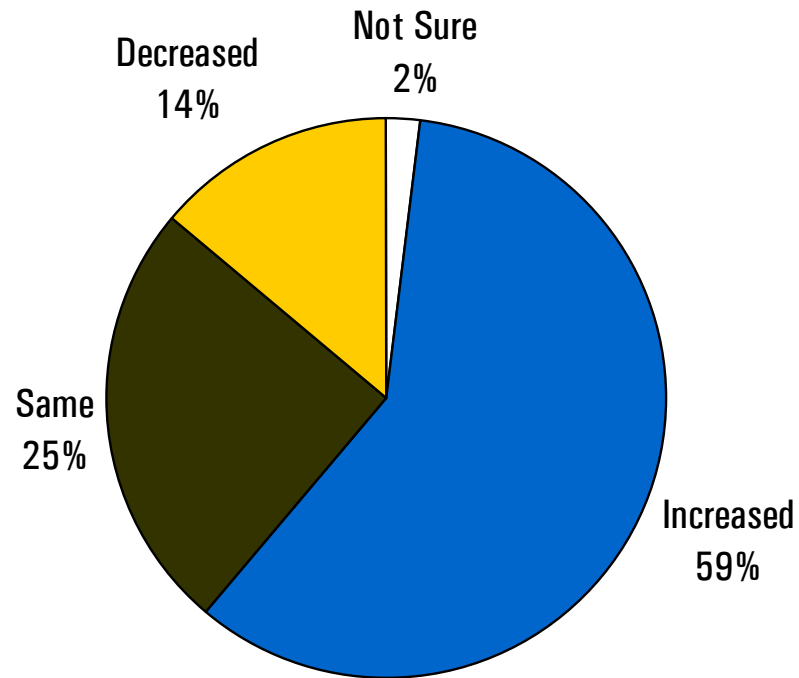


\*Respondents in this category had to report that, for at least two years, they had suffered from persistent (at least three months/year) bronchitis or coughing with phlegm/sputum from the chest.

**CHRONIC OBSTRUCTIVE PULMONARY DISEASE**

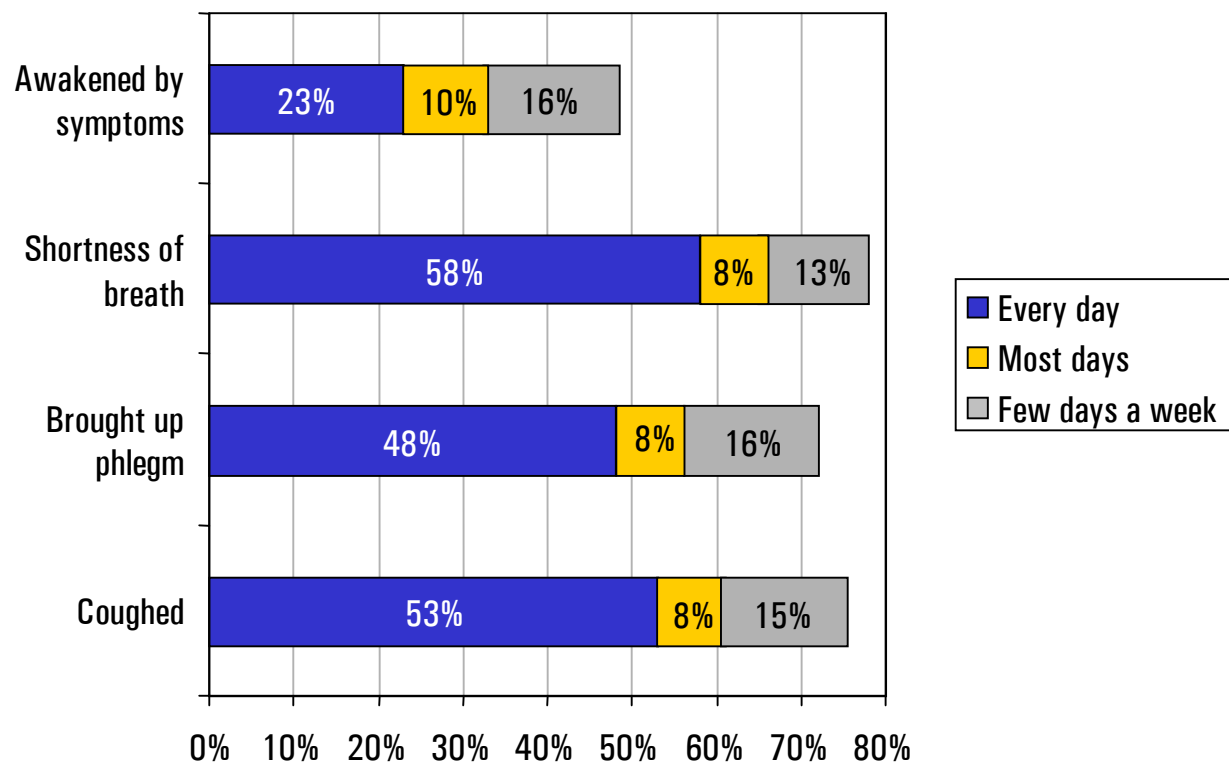
**CONFRONTING**  
**C.O.P.D.**  
IN AMERICA

**Figure 5: PREVALENCE OF COPD IN PAST 10 YEARS**  
Doctors' Perceptions



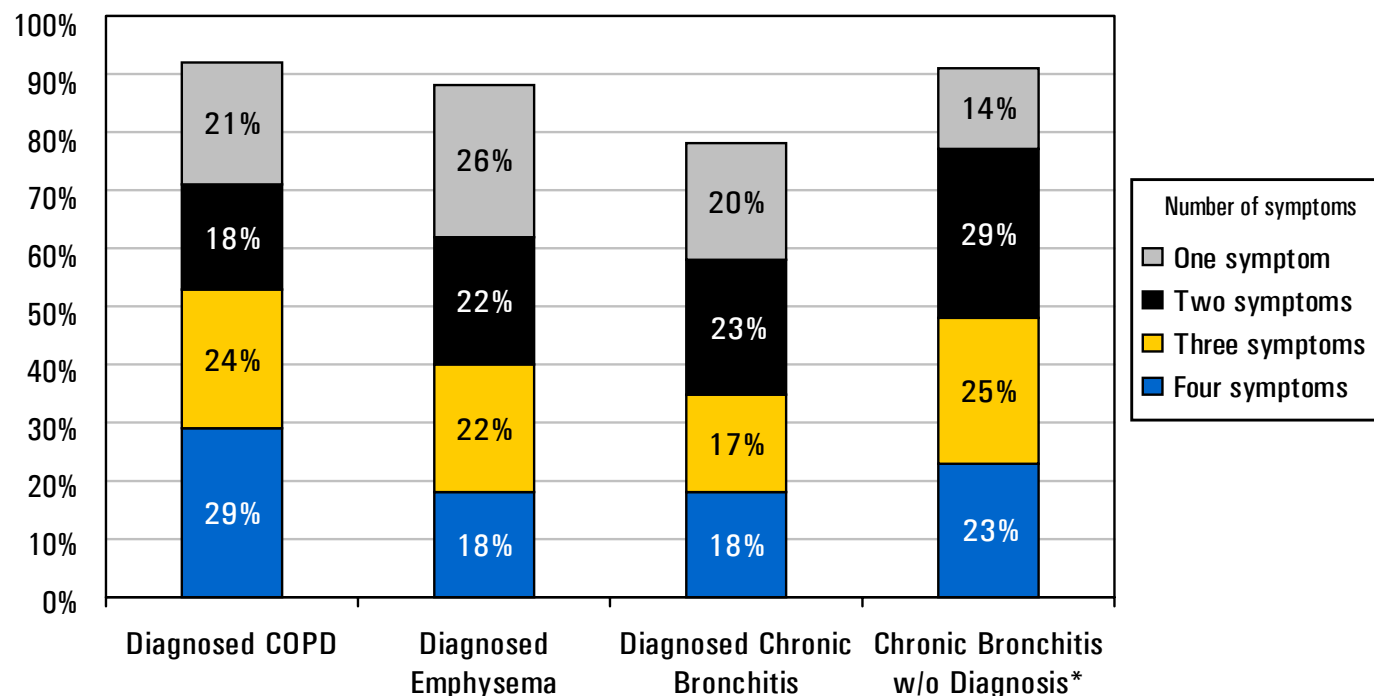
D9. Based on what you know or have heard, would you say that the prevalence of COPD in the USA has increased, decreased, or remained about the same over the past 10 years? N=203

**Figure 6: SYMPTOM FREQUENCY**  
Worst 3 Months in Past Year



P11. Has there been any three-month period in the past year when you (READ ITEM) — every day, most days a week, a few days a week, a few days a month, less than that? N=573

**Figure 7: NUMBER OF SYMPTOMS ON ALL OR MOST DAYS**  
Worst 3 Months in Past Year

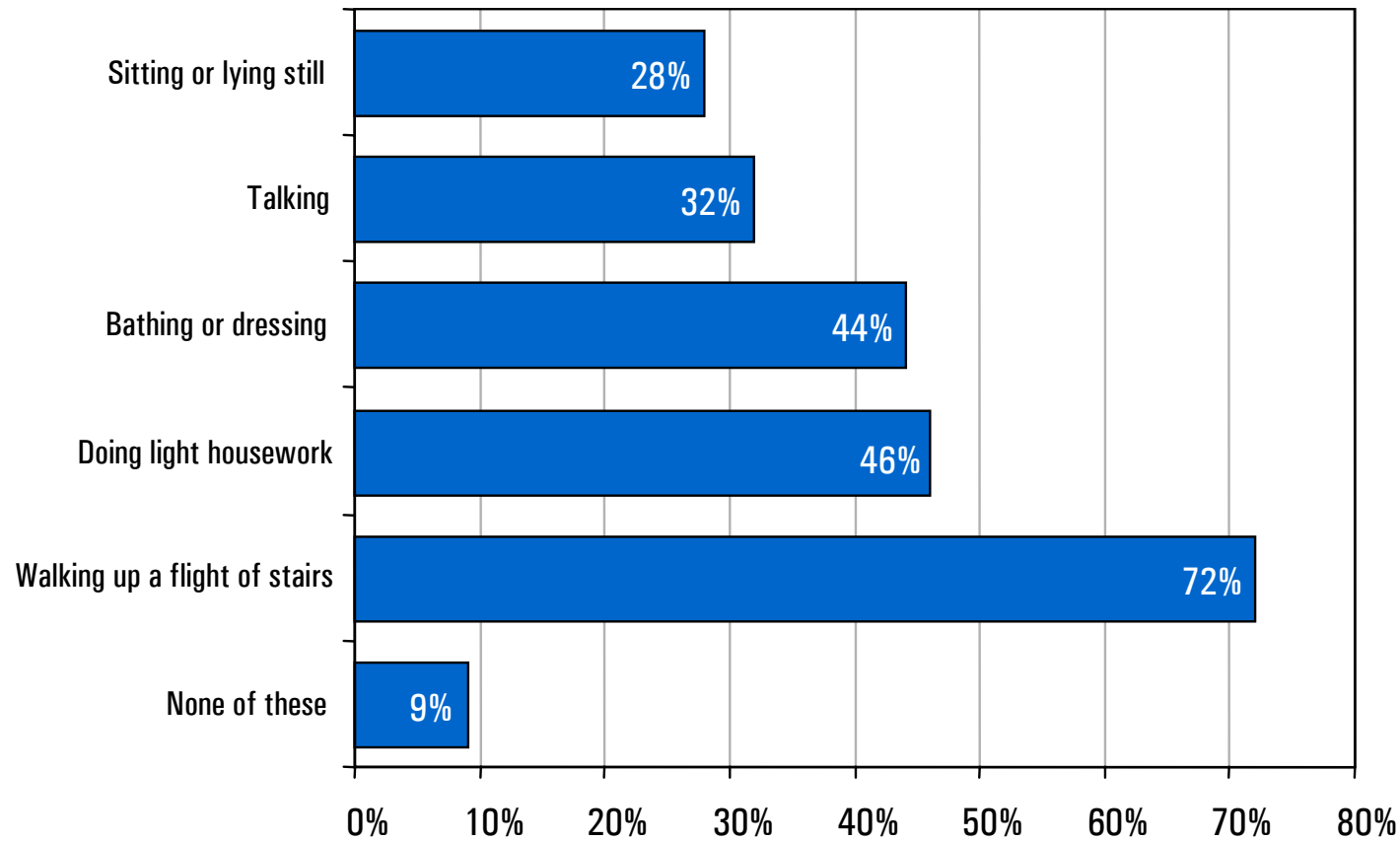


Q11. Has there been any three-month period in the past year when you (READ ITEM) — every day, most days (N = 573):

- Coughed?
- Brought up phlegm or sputum?
- Had shortness of breath?
- Were awakened at night by coughing or shortness of breath?

\*Respondents in this category had to report that, for at least two years, they had suffered from persistent (at least three months/year) bronchitis or coughing with phlegm/sputum from the chest.

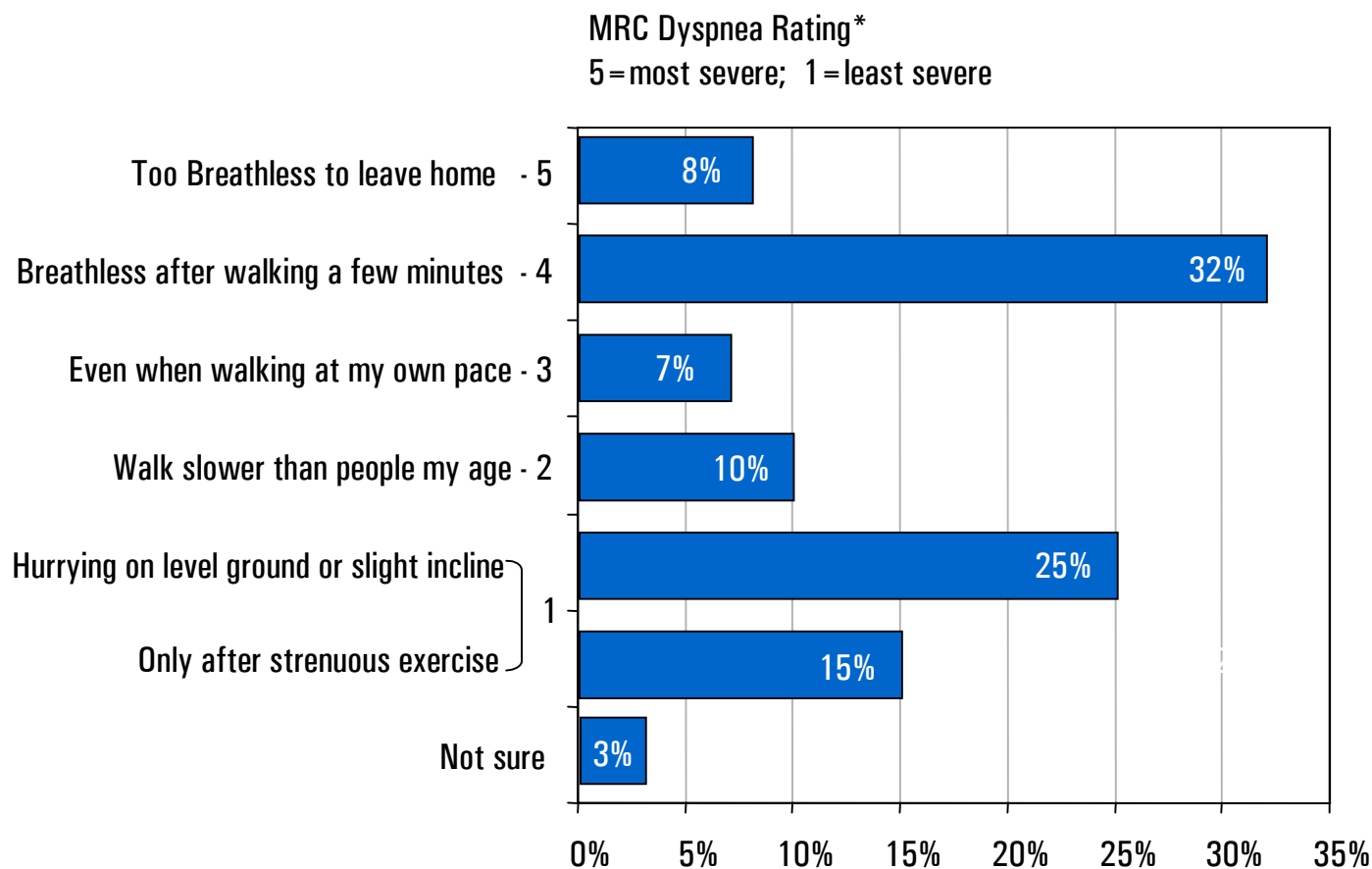
**Figure 8: DO YOU FEEL BREATHLESS WHEN...**



P13. Do you feel breathless when...? N=573



**Figure 9: BEST DESCRIBES YOUR BREATHLESSNESS**



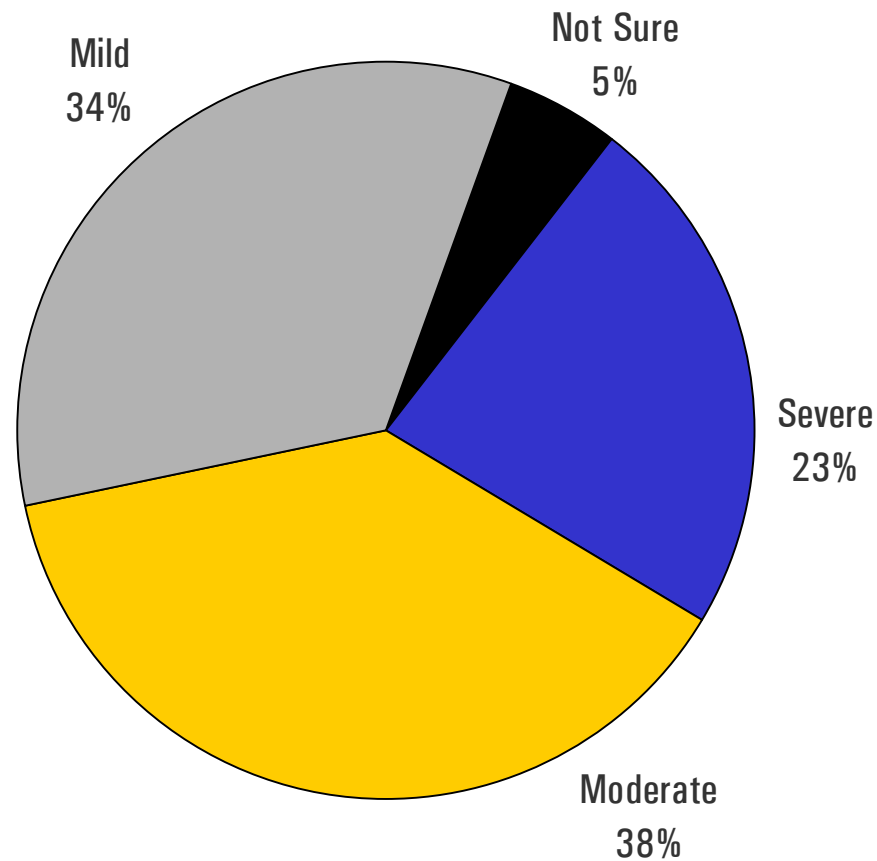
P12. Which of the following best describes how breathless you get, these days? N=573

\*Dyspnea is defined as breathlessness.

**CHRONIC OBSTRUCTIVE PULMONARY DISEASE**

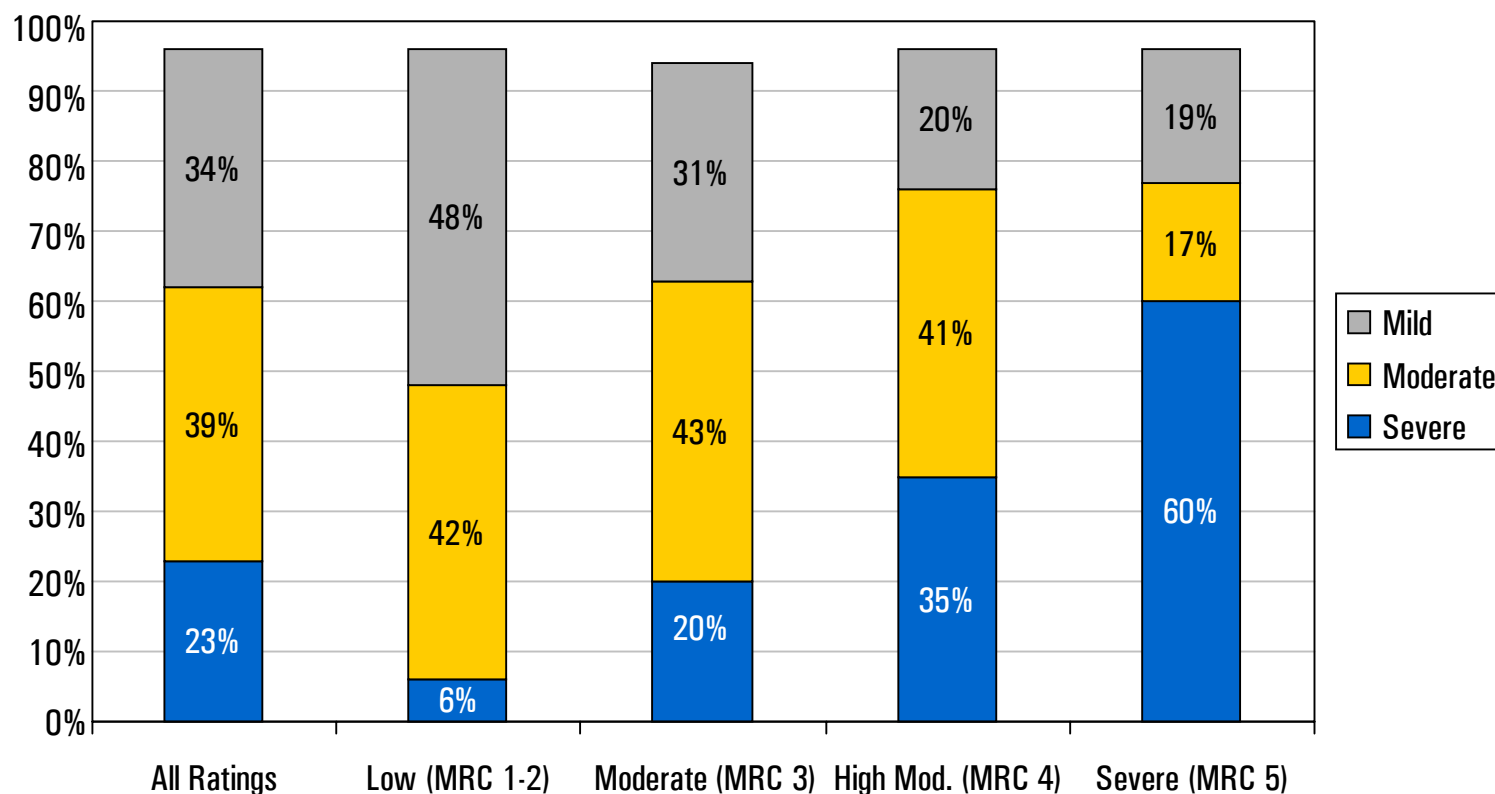
**CONFRONTING**  
**C.O.P.D.**  
IN AMERICA

**Figure 10: HOW SEVERE IS YOUR (CONDITION)?**



P4. Overall, how severe is your (condition), now? Is it severe, moderate, or mild? N=573

**Figure 11: PERCEIVED SEVERITY OF RESPIRATORY CONDITION**  
Degree of Breathlessness (MRC Scale)

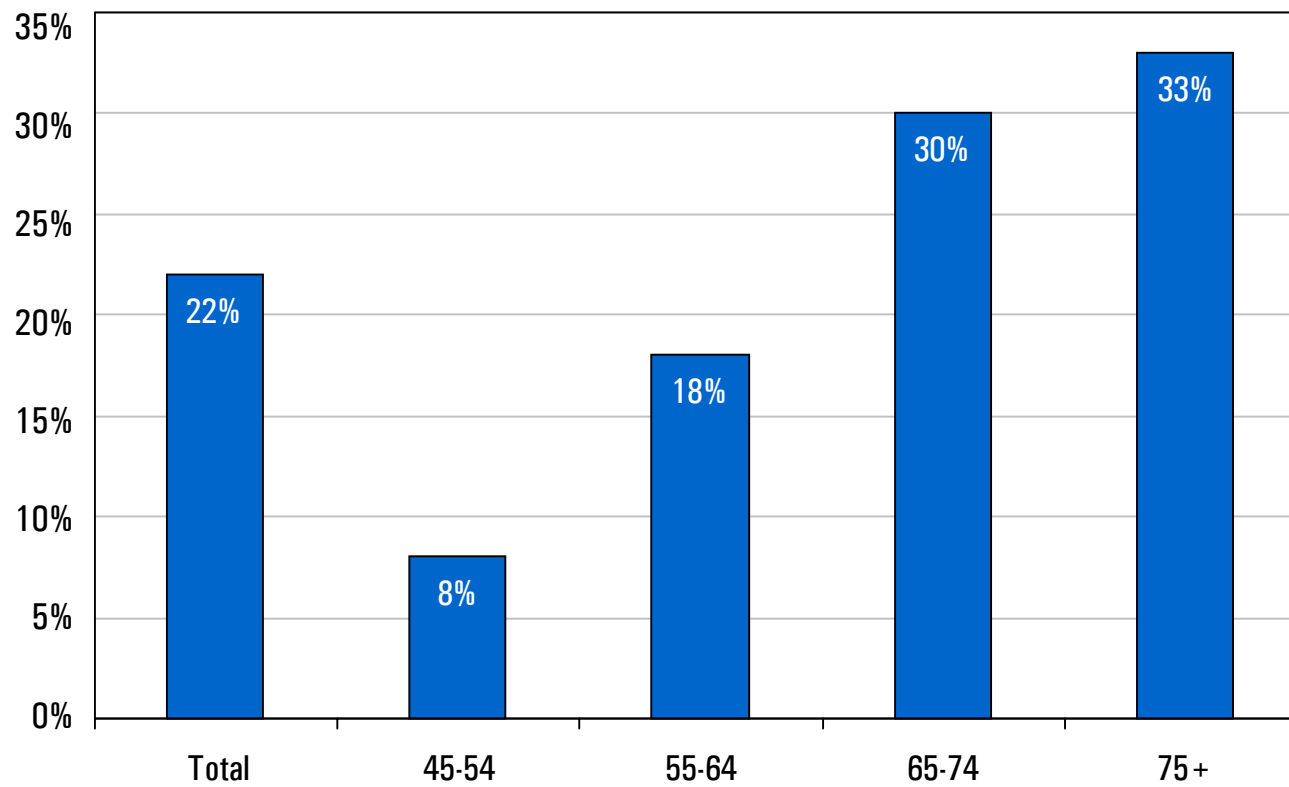


*MRC Scale Rating as Shown in Figure 9 (Degree of Breathlessness: Least — Most)*

P4. Overall, how severe is your (CONDITION), now? Is it severe, moderate or mild? N=573

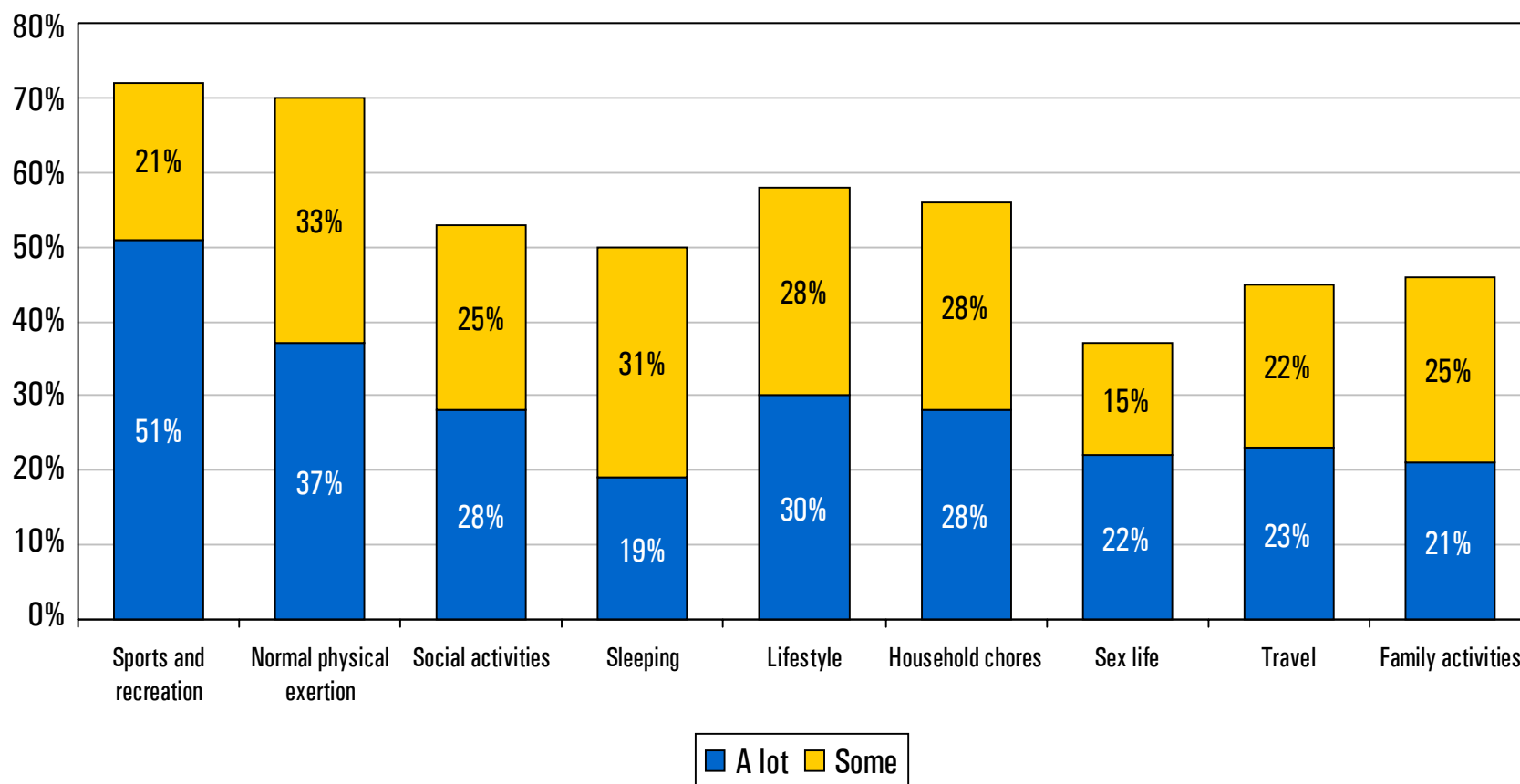
P12. Which of the following best describes how breathless you get, these days? N=573

**Figure 12: OXYGEN USE FOR COPD BY AGE**



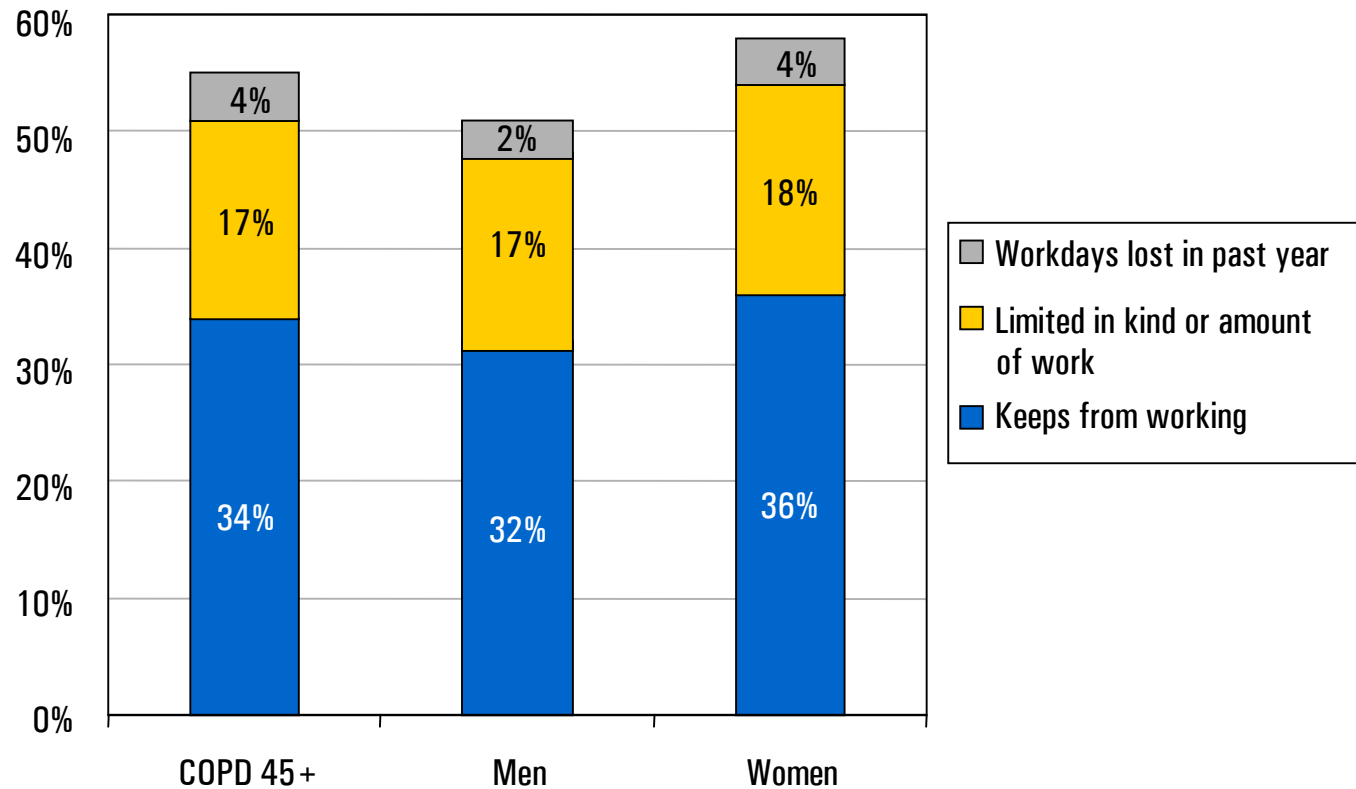
P27a. Have you used home oxygen therapy for your (CONDITION) in the past 12 months? N=573

**Figure 13: RESPIRATORY CONDITION LIMITS WHAT YOU CAN DO IN...**



P17. How much do you feel your respiratory condition limits what you can do in each of the following areas? N=573

**Figure 14: WORK LIMITATIONS DUE TO CONDITION**  
By Gender

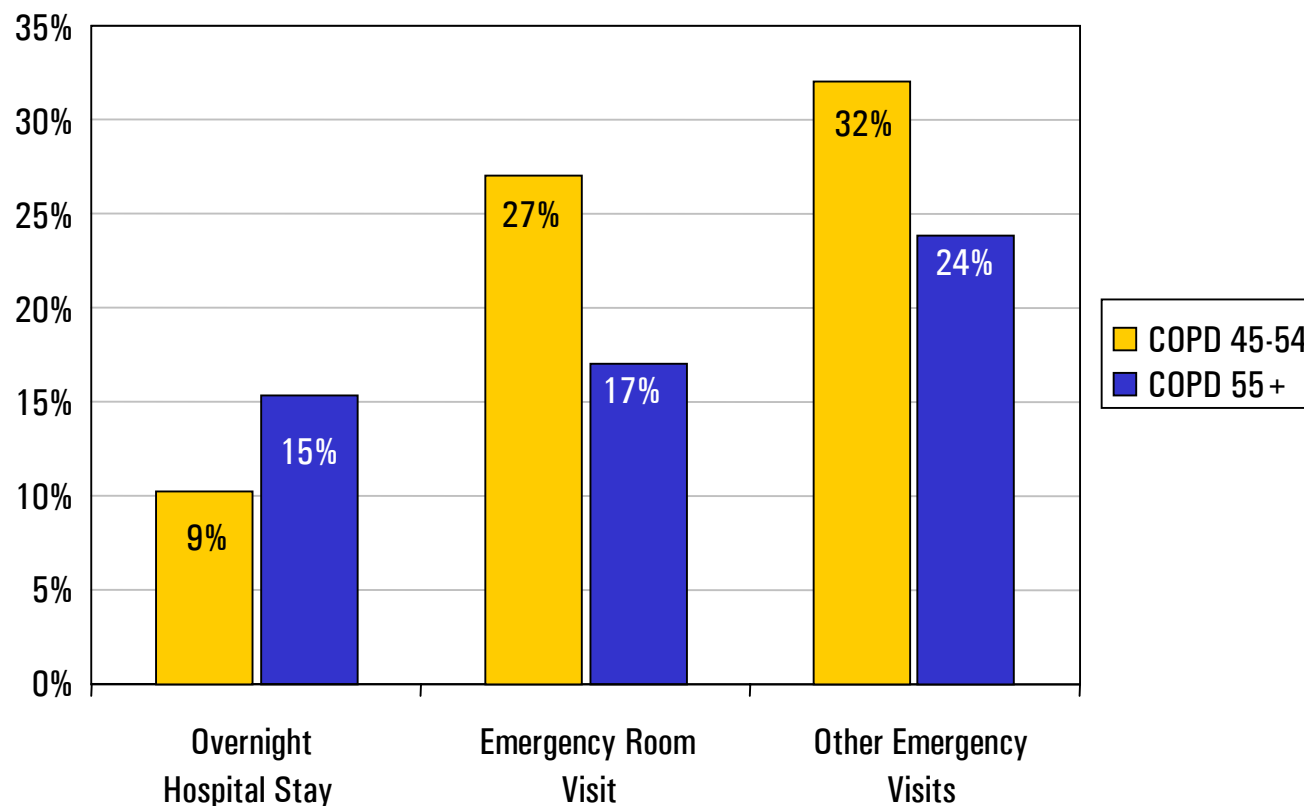


P8a. Does your (CONDITION) keep you from working? N=573

P8b. Are you limited in the kind or amount of work you can do because of your (CONDITION)? N=573

P9a. Have you missed work in the past 12 months due to your (CONDITION)? N=573

**Figure 15: PAST YEAR HEALTHCARE UTILIZATION FOR CONDITION**

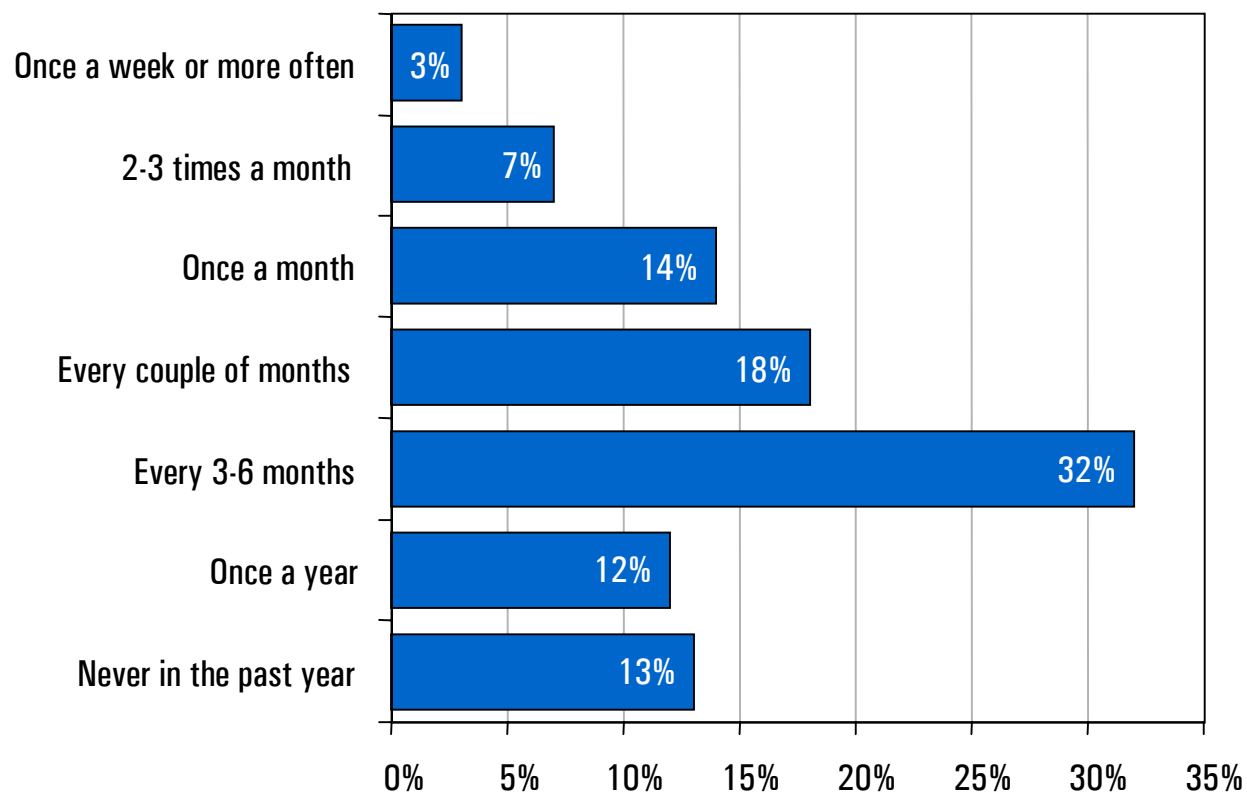


P5b. Have you been hospitalized overnight in the past 12 months or longer as a direct result of your (CONDITION)? N=573

P6a. Have you gone to a hospital emergency room in the past 12 months for your (CONDITION)? N=573

P7a. Aside from any hospitalizations and emergency room visits, has your (CONDITION) caused any other unscheduled emergency visits to a doctor's office, clinic or somewhere else in the past 12 months? N=573

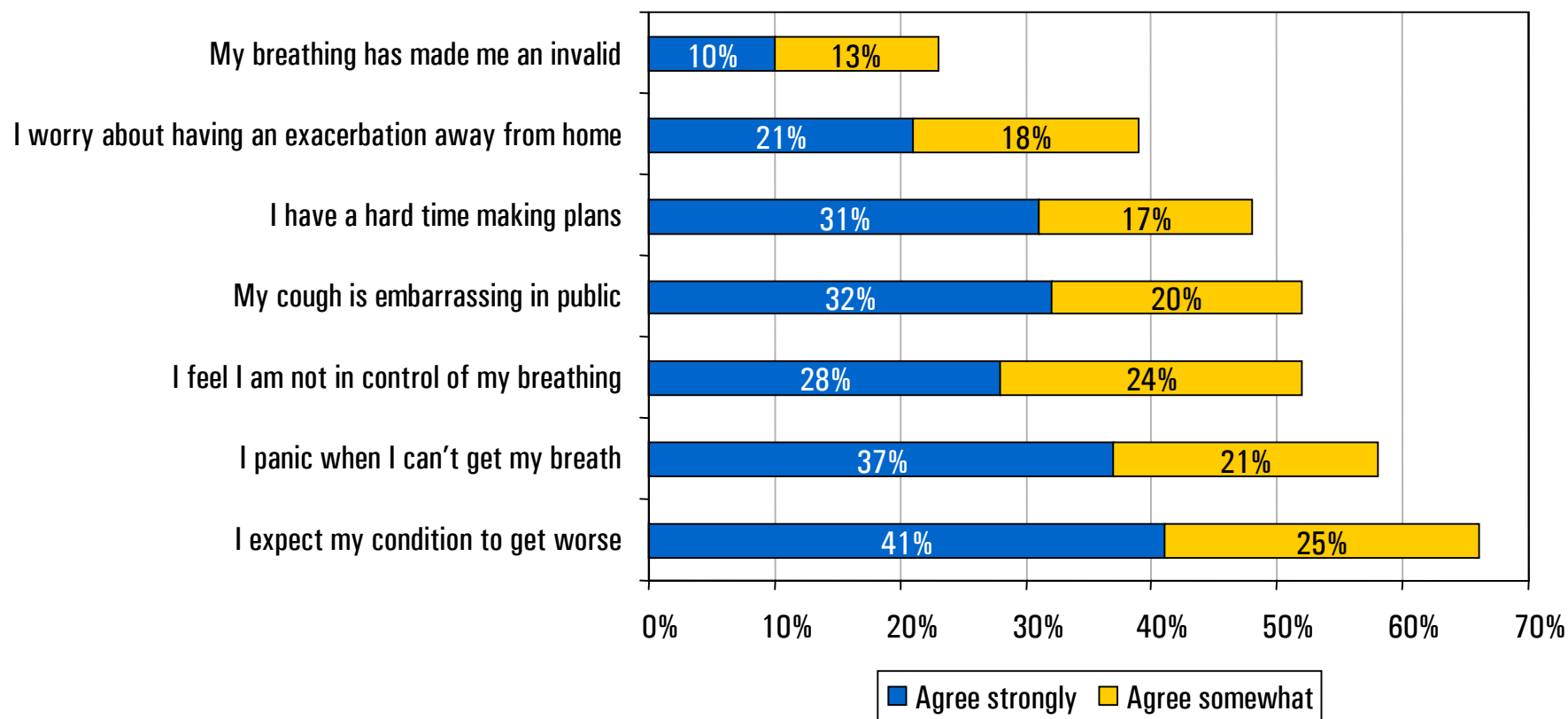
**Figure 16: FREQUENCY OF DOCTOR VISITS ABOUT CONDITION**  
In Past 12 Months



P19. How often have you seen a doctor about your (CONDITION) in the past 12 months? N=573

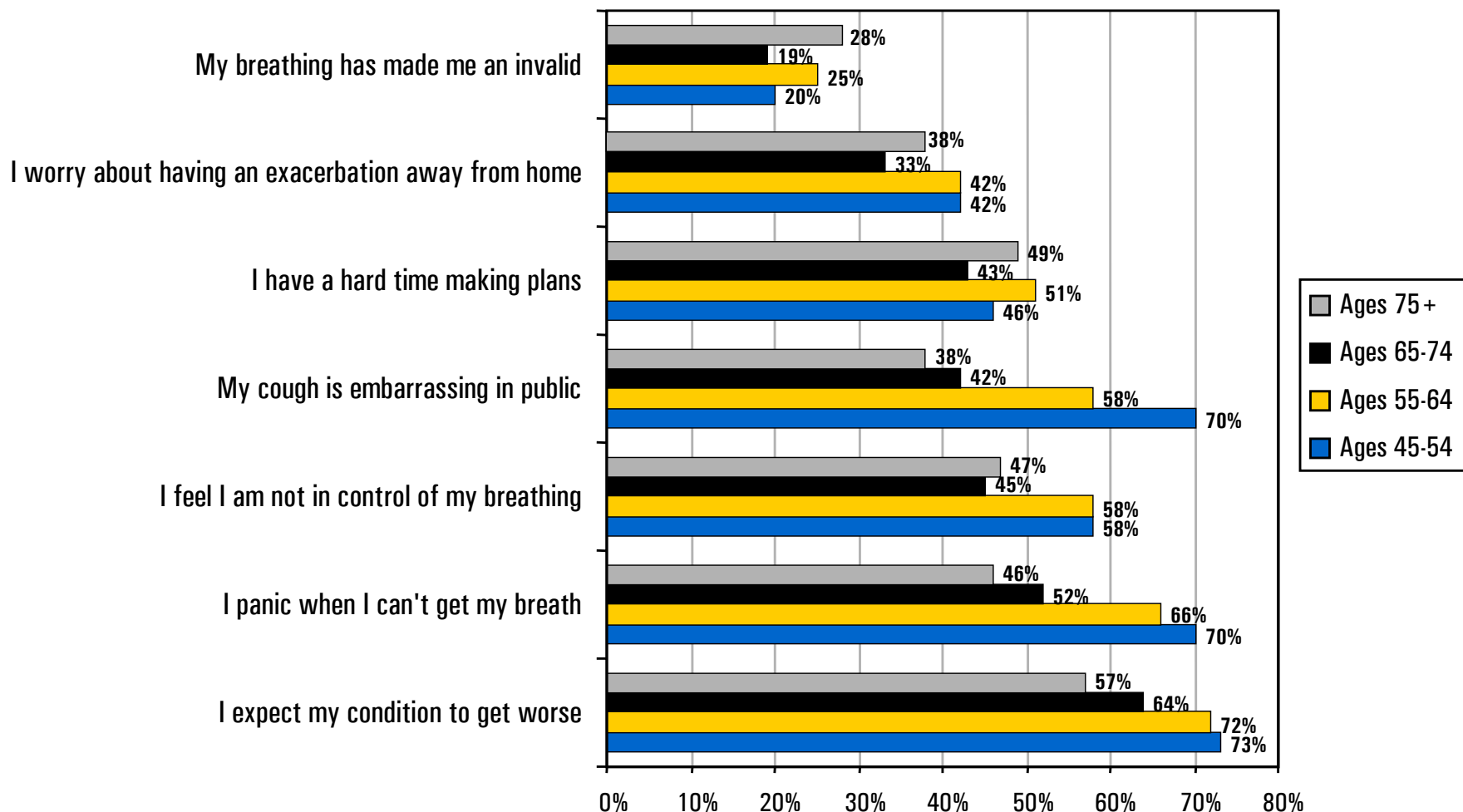


**Figure 17: IMPACT OF CONDITION ON PATIENTS**



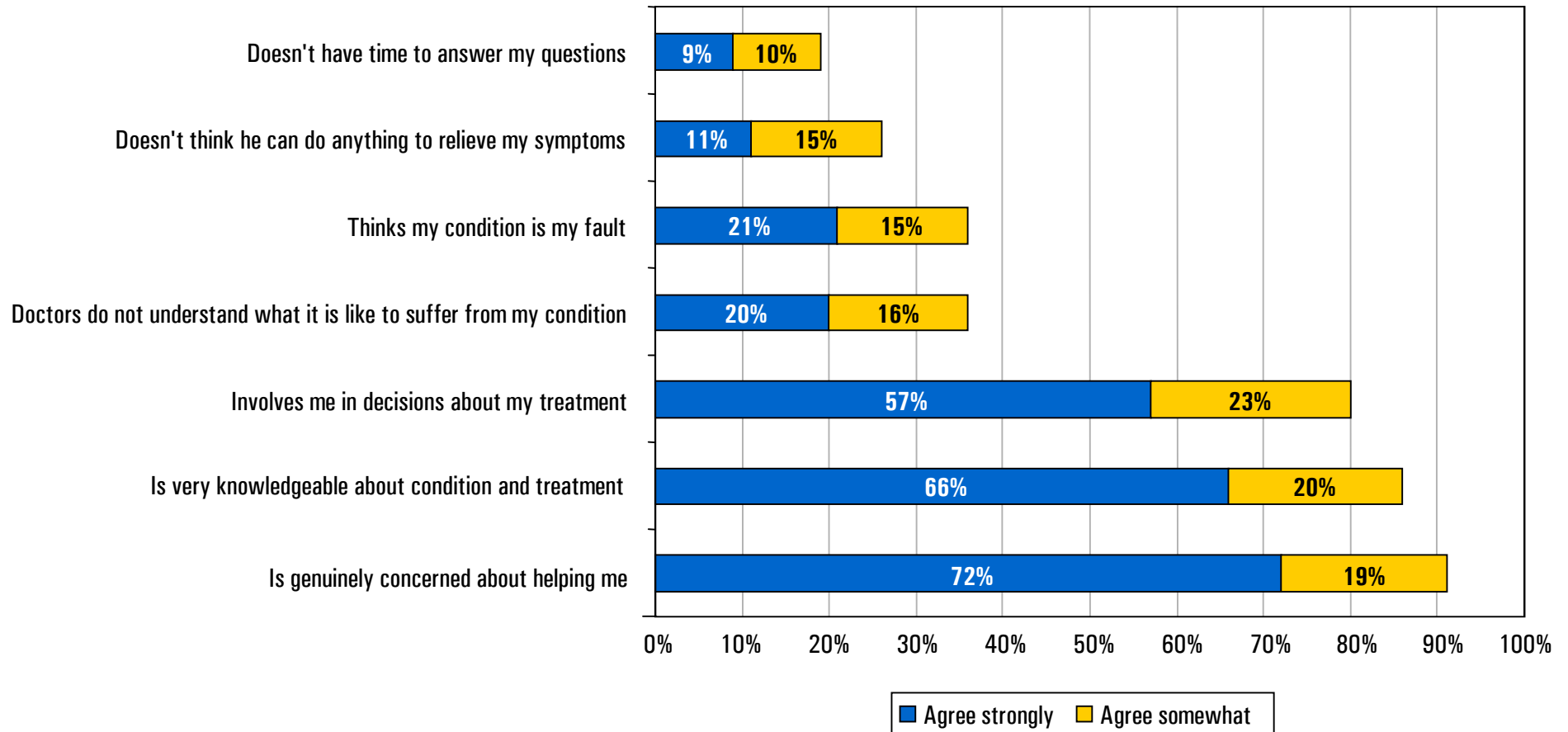
P14. Would you agree strongly, agree somewhat, disagree somewhat, or disagree strongly with each of the following statements? N = 573

**Figure 18: IMPACT OF CONDITION ON PATIENTS BY AGE**



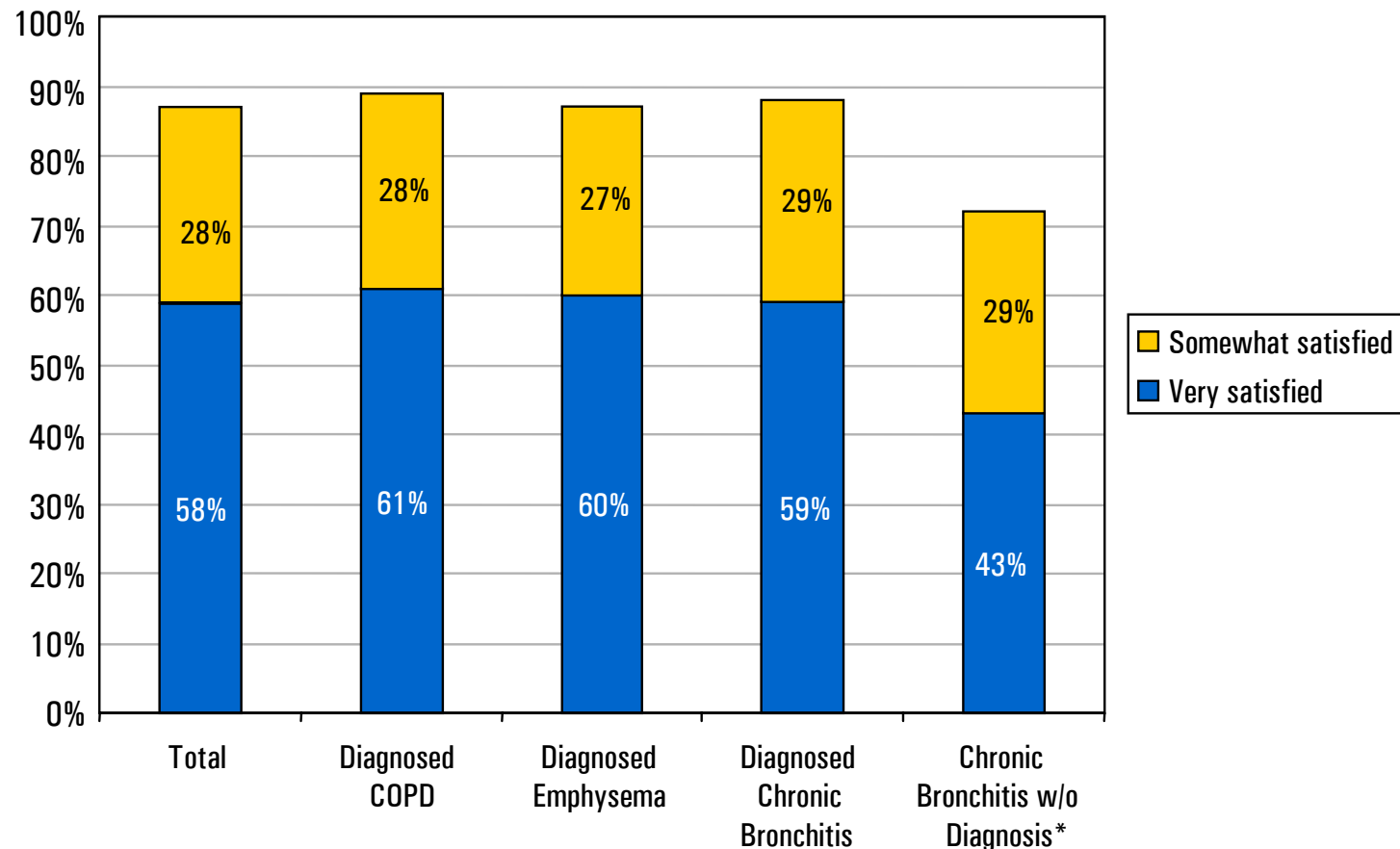
P14. Would you agree strongly, agree somewhat, disagree somewhat, or disagree strongly with each of the following statements? N=573

**Figure 19: I AGREE THAT MY DOCTOR...**



P31. Based on your experience with the doctor you see most often for your condition, would you agree or disagree with the following statements? N = 573

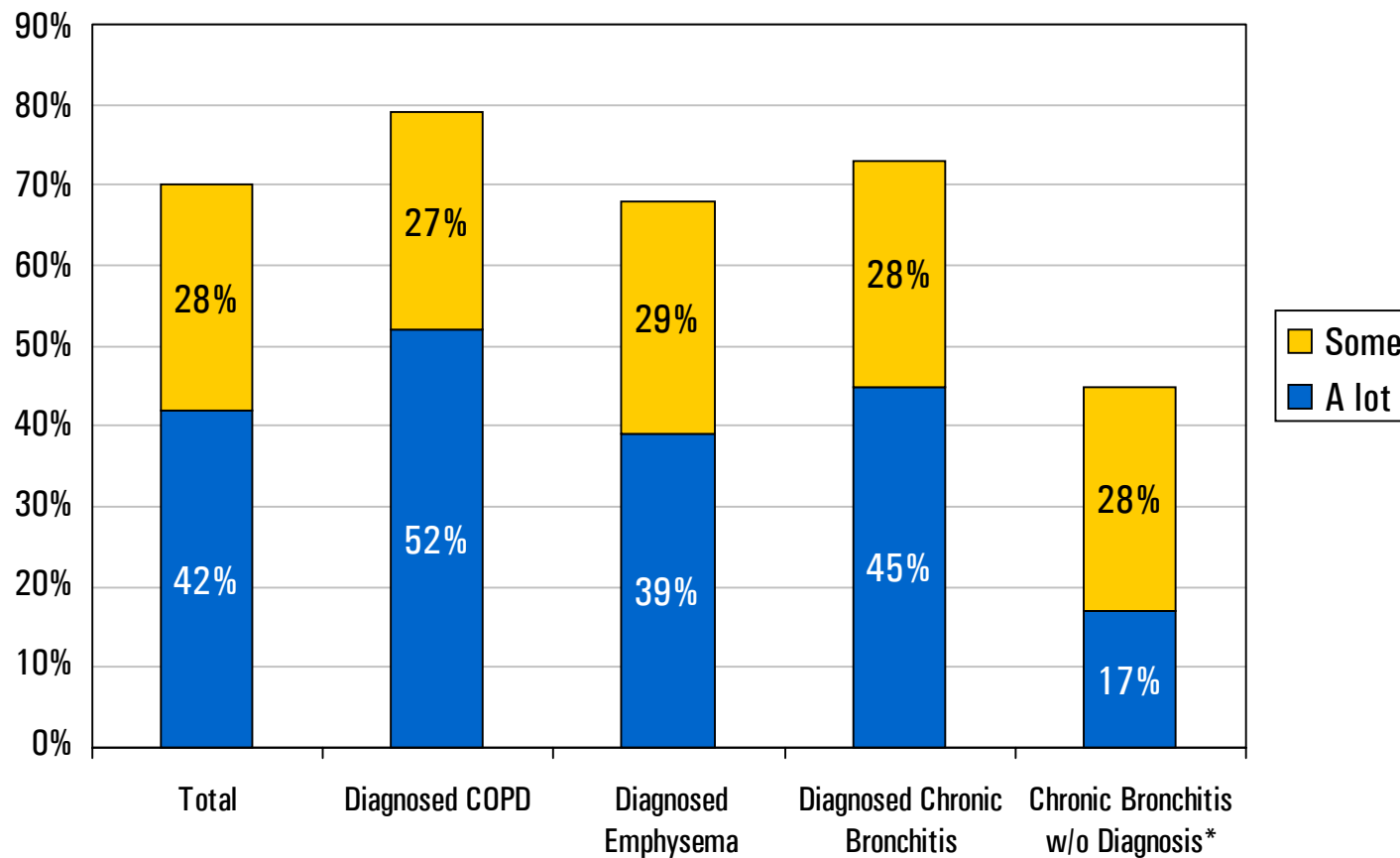
**Figure 20: SATISFACTION WITH DISEASE MANAGEMENT**  
By Diagnosis



P30. Overall, how satisfied are you with your doctor's management and treatment of your (CONDITION)?  
Are you very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied? N = 573

\*Respondents in this category had to report that, for at least two years, they had suffered from persistent (at least three months/year) bronchitis or coughing with phlegm/sputum from the chest.

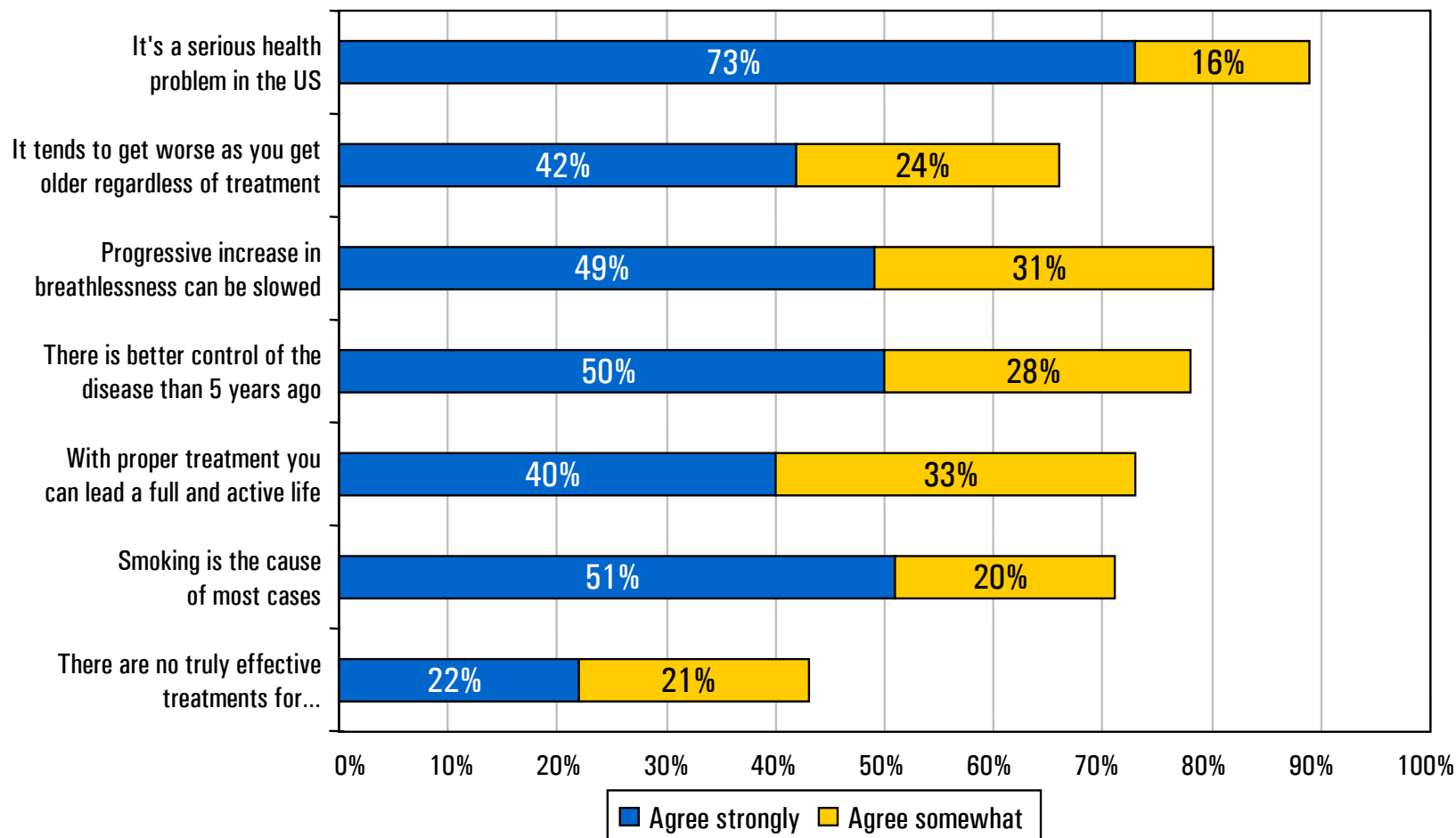
**Figure 21: IMPACT OF DOCTOR'S ADVICE**  
By Diagnosis



P29. How much has your doctor's advice helped improve your ability to manage your respiratory symptoms? Has it improved it — a lot, some, only a little, or not at all? N=573

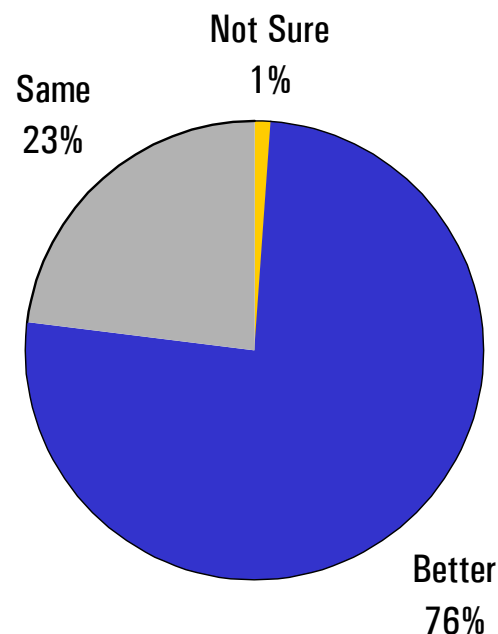
\*Respondents in this category had to report that, for at least two years, they had suffered from persistent (at least three months/year) bronchitis or coughing with phlegm/sputum from the chest.

**Figure 22: PATIENT ATTITUDES ABOUT COPD**



P46. Now I am going to read you a series of statements, and I would like you to tell me whether you agree strongly... N=573

**Figure 23: LONG-TERM HEALTH OUTLOOK FOR COPD**  
Doctors' Perceptions



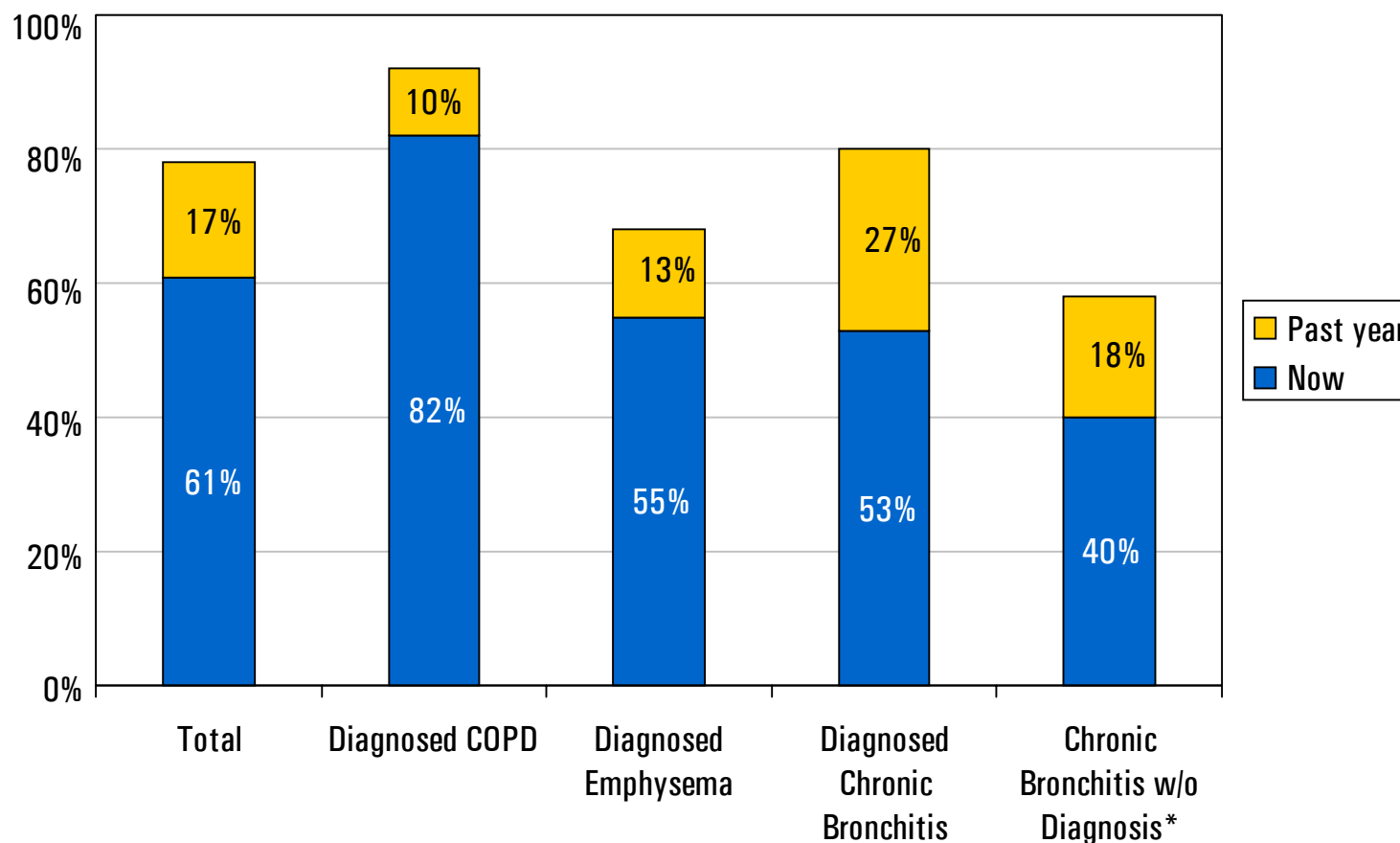
D10a. Compared to 10 years ago, would you say that the long-term health outlook for persons with COPD has become better, become worse, or has stayed about the same? N=203

D10b. Why has the health outlook improved for persons with COPD? N=154

Reasons for Improvement in Outlook      Doctors who feel there is improvement

Reasons for Improved Health Outlook	Percent
Better Compliance	11%
Better Lifestyle	11%
Better Medications	78%

**Figure 24: PRESCRIPTION MEDICINE USE FOR CONDITION**  
By Diagnosis



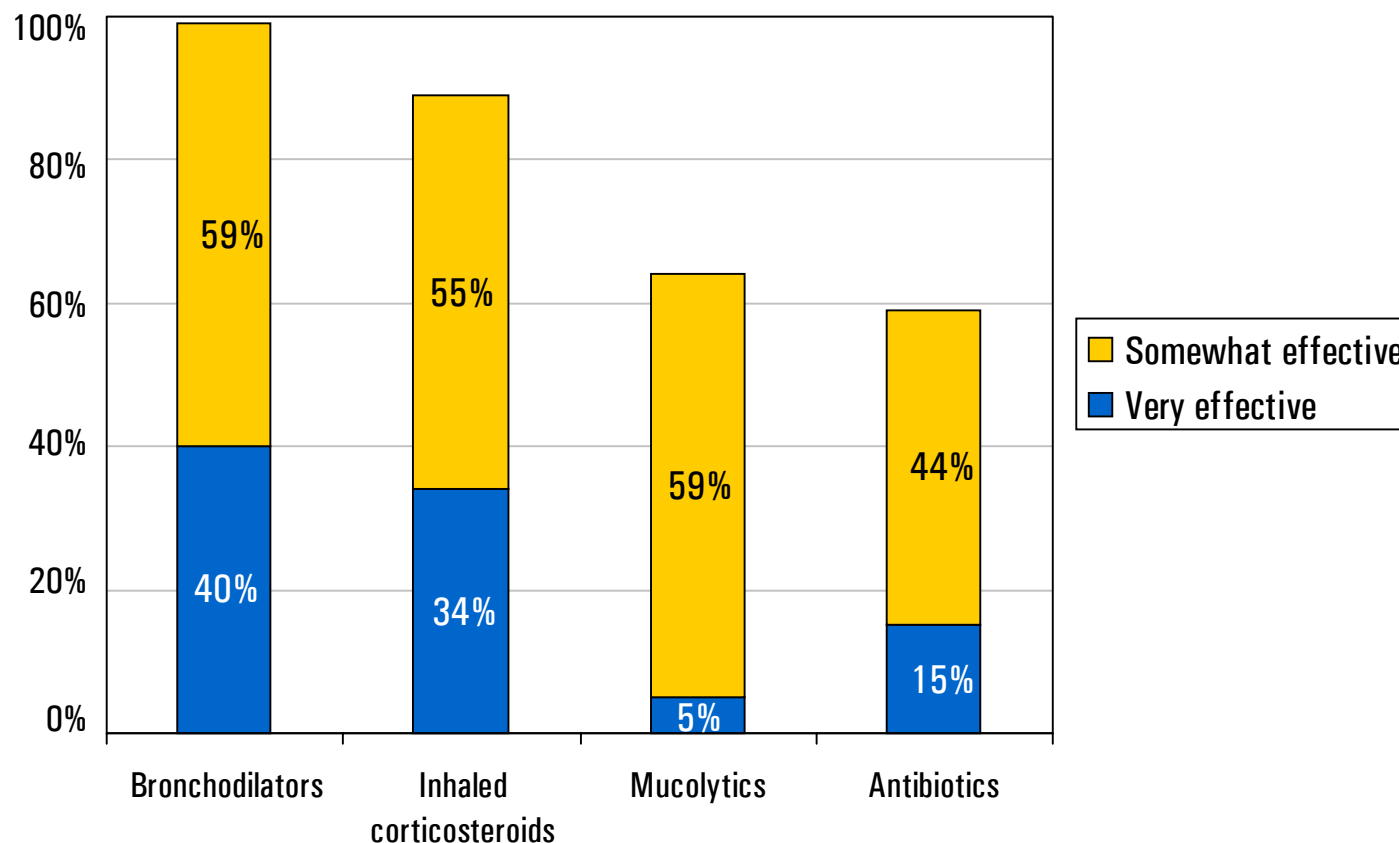
P32a-b. Are you taking any prescription medicine for (CONDITION)? When was the most recent time that you took a prescription medicine for (CONDITION)? N = 573

\*Respondents in this category had to report that, for at least two years, they had suffered from persistent (at least three months/year) bronchitis or coughing with phlegm/sputum from the chest.



**Figure 25: EFFECTIVENESS OF SELECTED MEDICATIONS IN MILD TO MODERATE COPD**

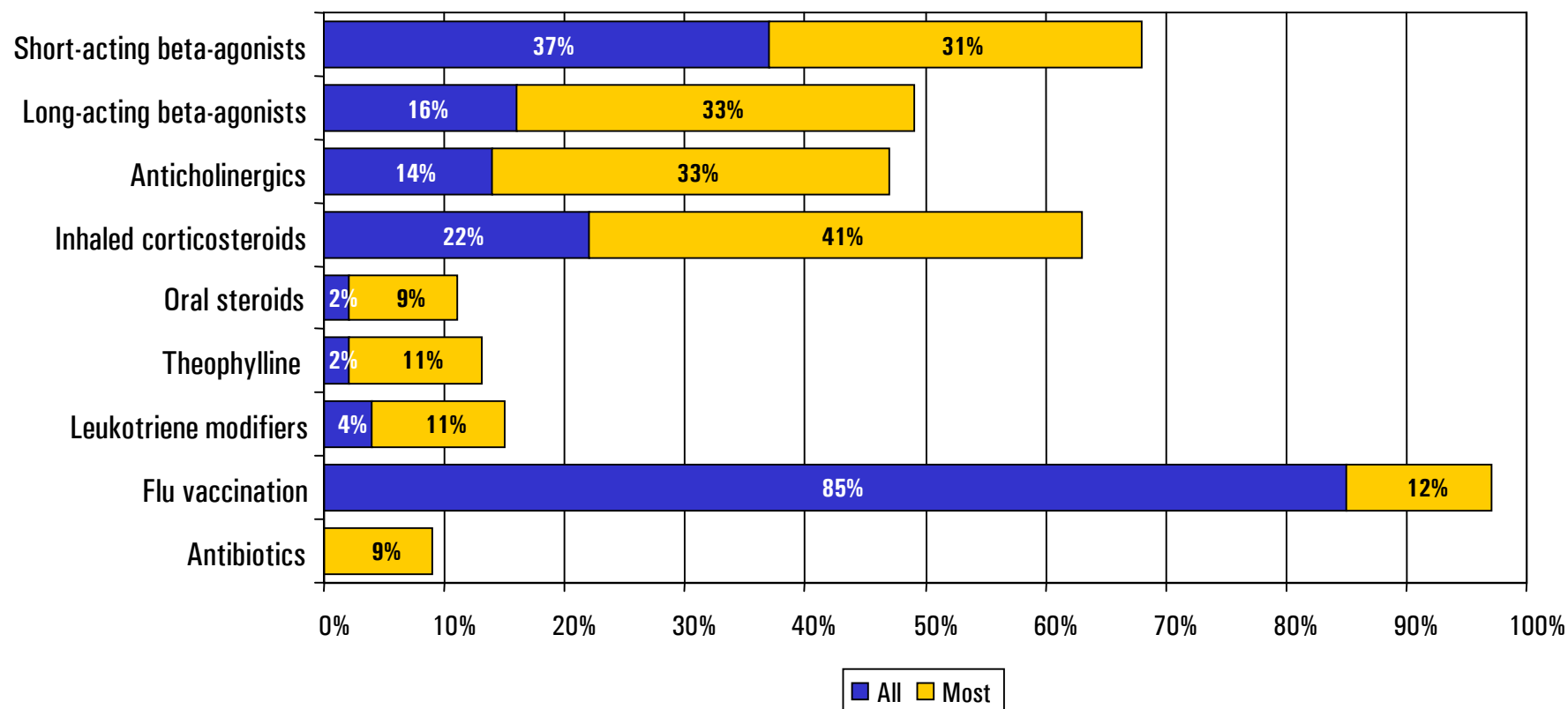
Doctors



D25-28. How effective are (ITEM) in the treatment of mild to moderate COPD? Are they usually — very effective, somewhat effective, not too effective, or not effective at all? N=203

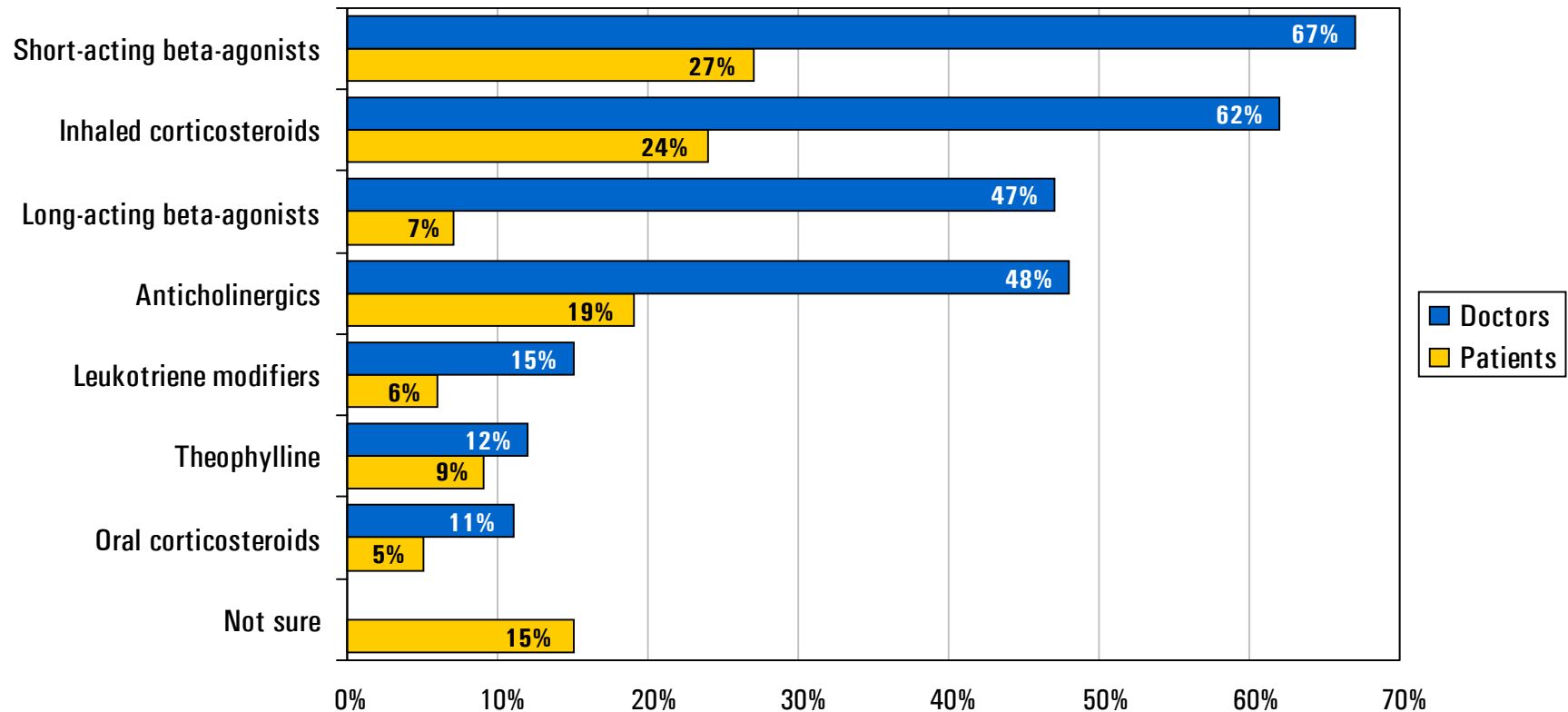
**Figure 26: MEDICATIONS NORMALLY PRESCRIBED FOR NEWLY DIAGNOSED MODERATE COPD**

Doctors



D21. What proportion of newly diagnosed patients with moderate or Stage 2 COPD would you normally prescribe (ITEM) — all, most, some, only a few, or none? N = 203

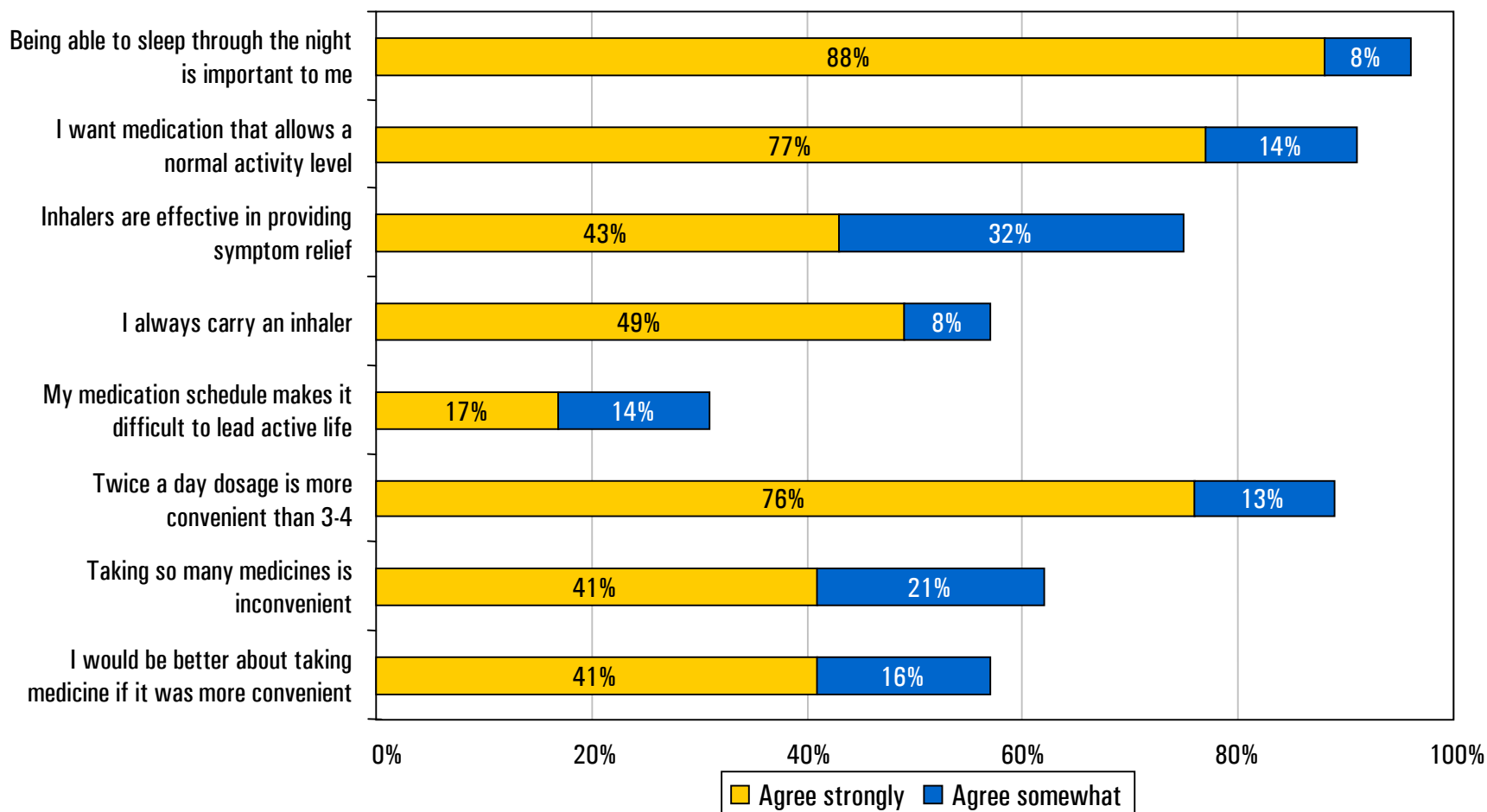
**Figure 27: NORMALLY PRESCRIBED vs. MEDICINES USED IN PAST YEAR**  
Doctors and Patients



D21. What proportion of newly diagnosed patients with moderate or Stage 2 COPD would you normally prescribe (ITEM) — all, most, some, only a few, or none? N=203

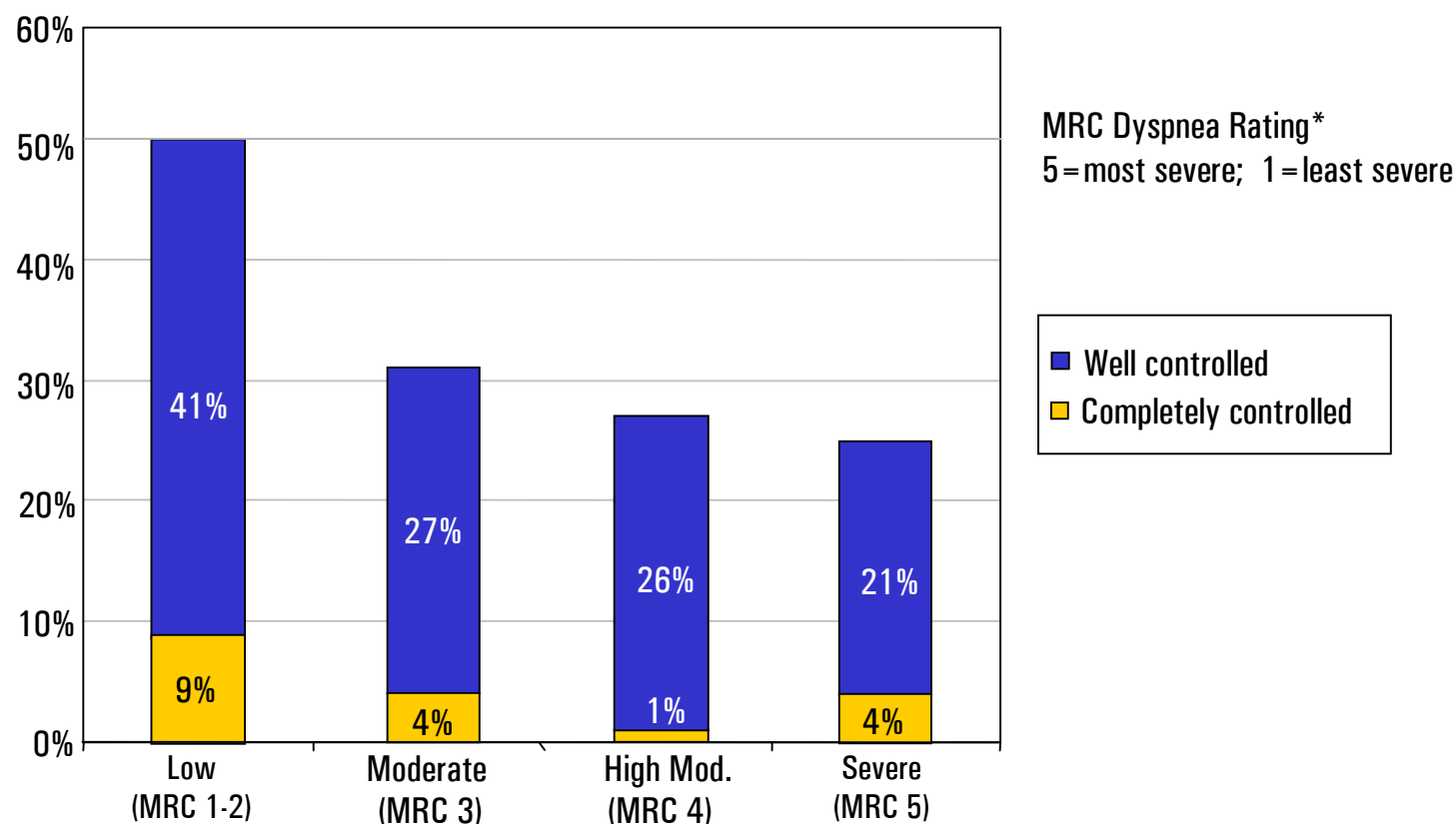
P32c. What is the name of that/those prescription medicines (you take now/you have taken in the past year) for (CONDITION)? Any others? N=573

**Figure 28: ATTITUDES ABOUT TREATMENT FOR COPD**  
Patients



P47. I would like to know whether you agree or disagree with each of the following statements about treatment... N=573

**Figure 29: PERCEIVED CONTROL BY SEVERITY**  
Degree of Breathlessness (MRC Dyspnea Scale)

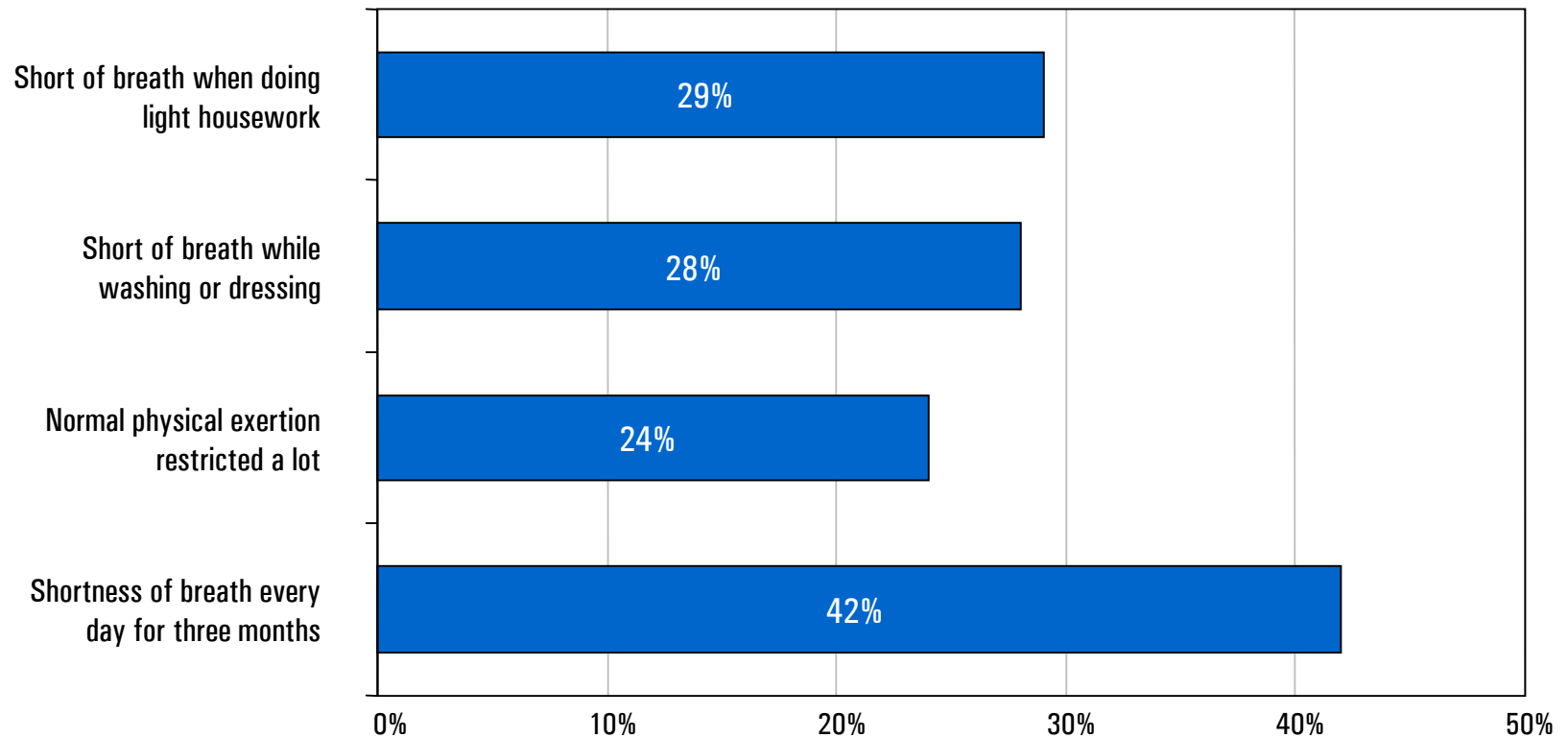


P15. Overall, how well would you say that your respiratory condition has been controlled in the past 12 months? Would you say it was: completely controlled, well controlled, somewhat controlled, poorly controlled, or not controlled? N=573

P12. Which of the following best describes how breathless you get, these days? N=573

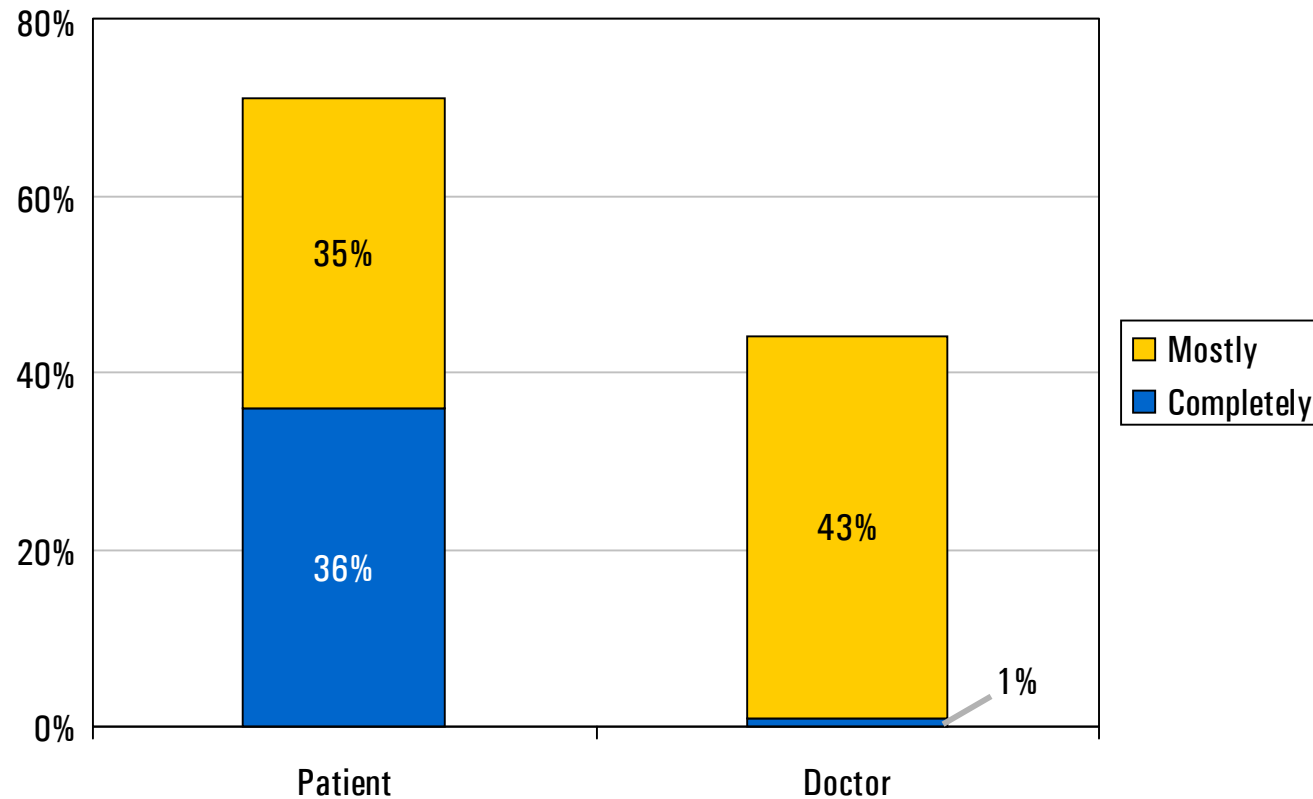
\*Dyspnea is defined as breathlessness.

**Figure 30: PERCEIVED CONTROL vs. PHYSICAL STATUS**  
Response From Patients Who Feel Their Respiratory Condition Is Completely or Well Controlled



P15. Overall, how well would you say that your respiratory condition has been controlled in the past 12 months? Would you say it was: completely controlled, well controlled, somewhat controlled, poorly controlled, or not controlled? N=573

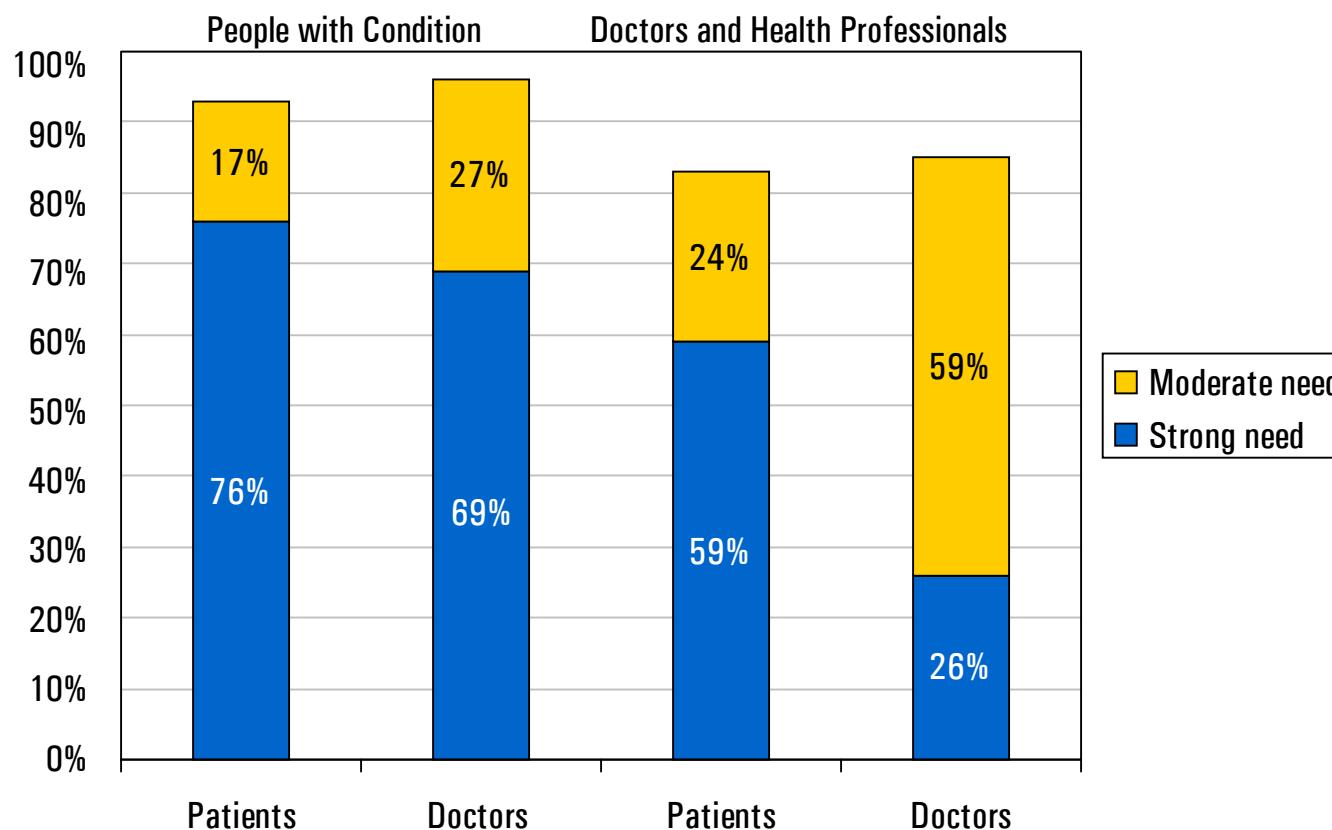
**Figure 31: HOW WELL PATIENTS UNDERSTAND HOW TO MANAGE THEIR CONDITION**  
Patients and Doctors



P42. How well do you feel (you/patients) understand the best ways to manage your (CONDITION) — completely, mostly, somewhat, not too well, or not at all? N=573 Patients

D43. Would you say that most patients understand it — completely, mostly, somewhat, not too well, or not at all? N=203 Doctors

**Figure 32: NEED FOR BETTER EDUCATION**  
Patients and Doctors



P43/D45. How much need do you think there is for better education of PEOPLE with COPD about their condition and its treatments? Do you think there is a strong need, moderate need, or not much of a need? N = 573

P44/D46. How much need do you think there is for better education of DOCTORS about the management of COPD? Do you think there is a great need, moderate need, or not much of a need? N = 203