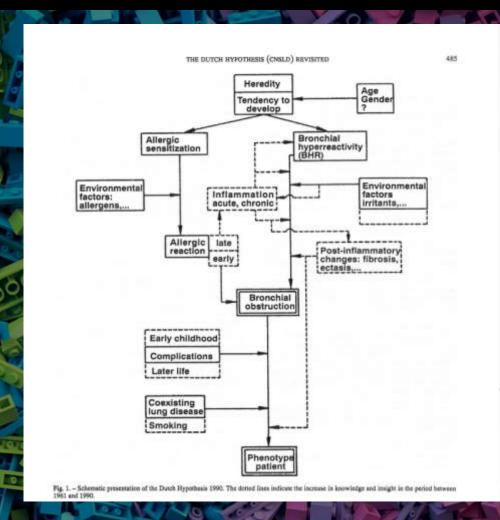
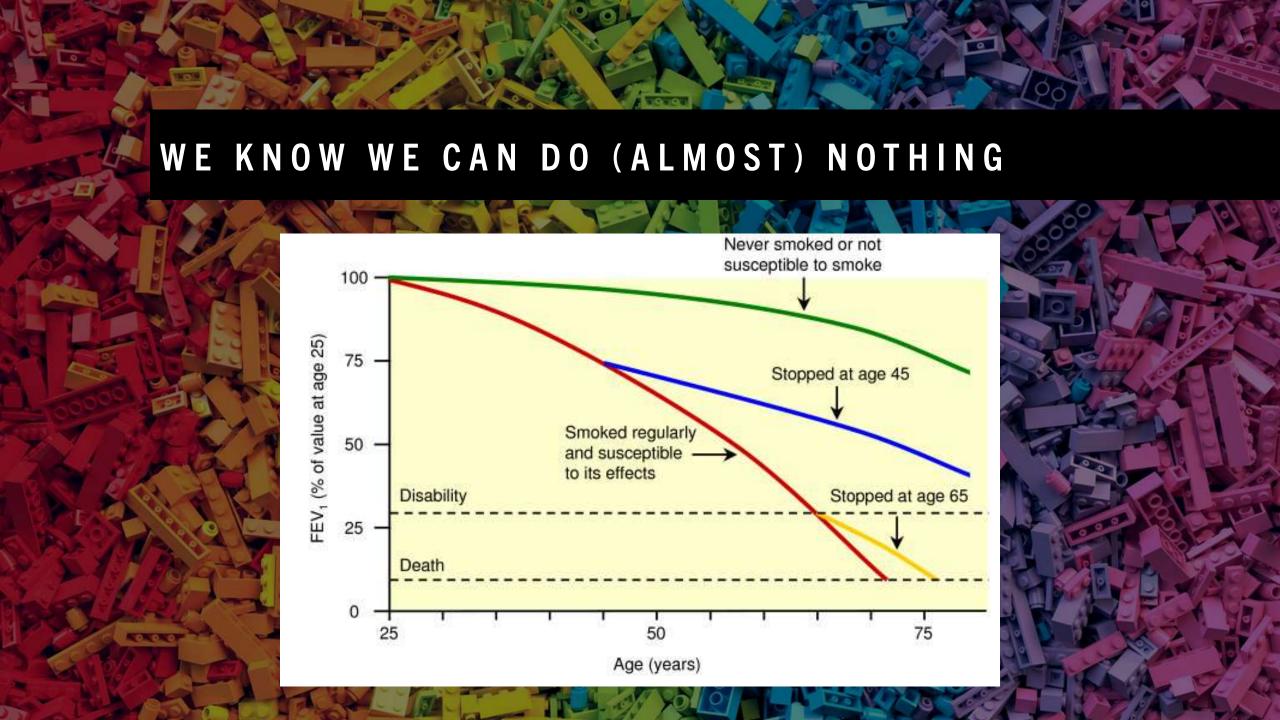




 Asthma, chronic bronchitis, and emphysema are NOT separate disease states

Chronic, Non-Specific Lung Disease
 (CNSLD) was one pathology with multiple pathways









CLINICAL DIAGNOSIS: DAILY PRODUCTIVE COUGH FOR THREE MONTHS OR MORE, IN AT LEAST TWO CONSECUTIVE YEARS



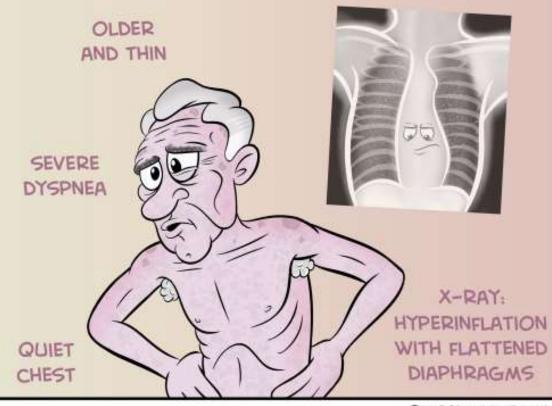


PERIPHERAL EDEMA

RHONCHI AND WHEEZING

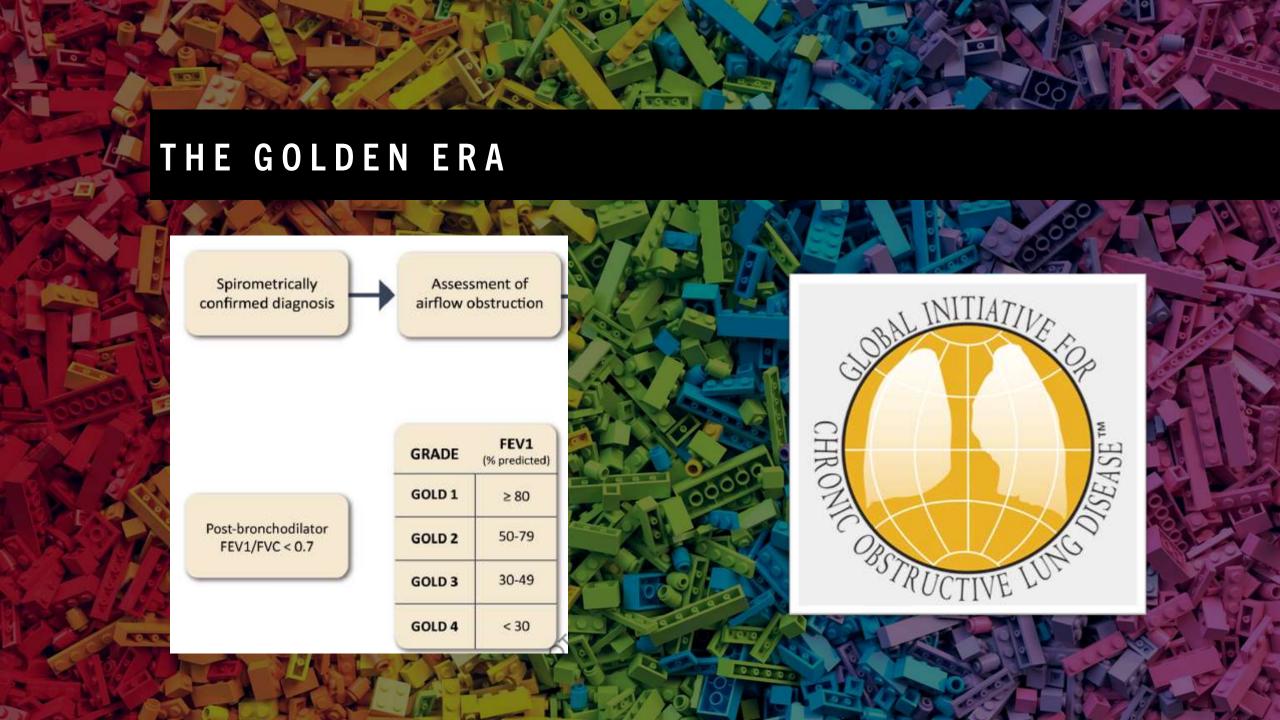
EMPHYSEMA

PATHOLOGIC DIAGNOSIS: PERMANENT ENLARGEMENT AND DESTRUCTION OF AIRSPACES DISTAL TO THE TERMINAL BRONCHIOLE



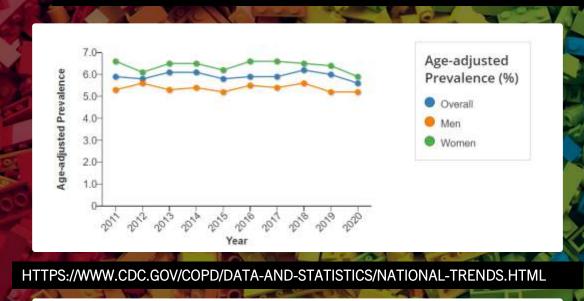
WWW.MEDCOMIC.COM © 2013 JORGE MUNIZ







GOING NOWHERE FAST

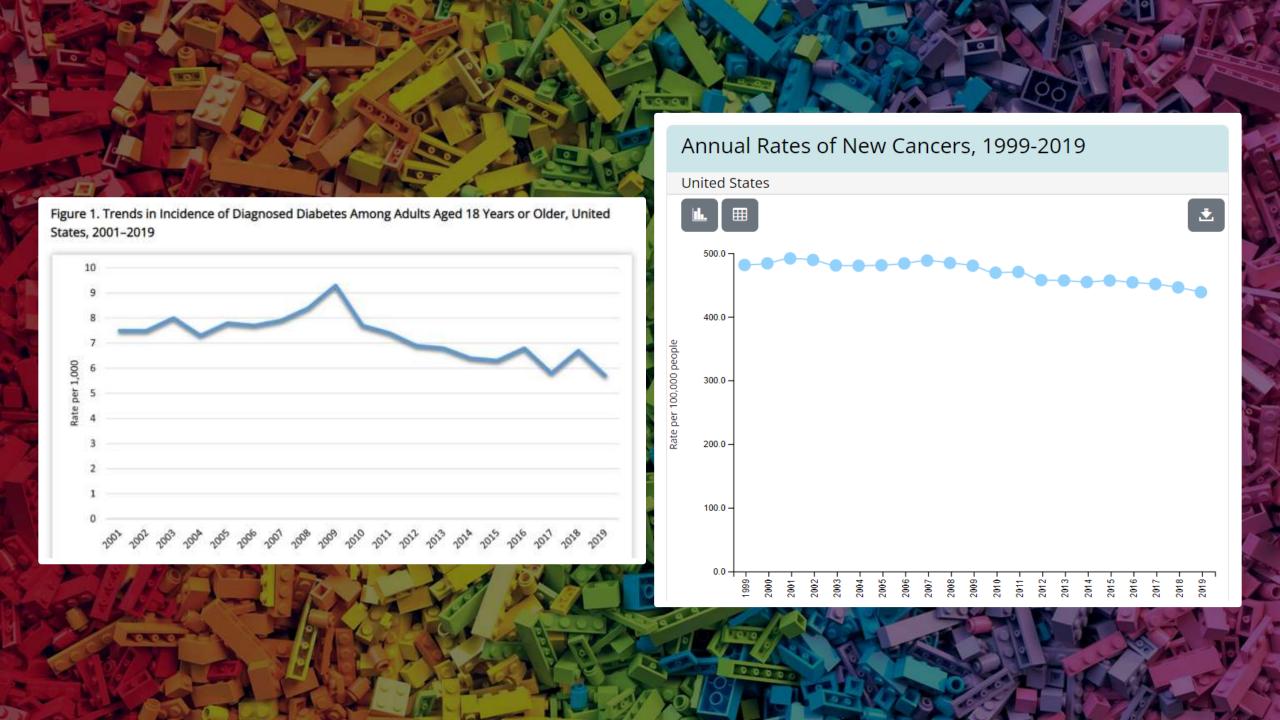


Age-adjusted Death Rate (per 100,000)

OverallWomen

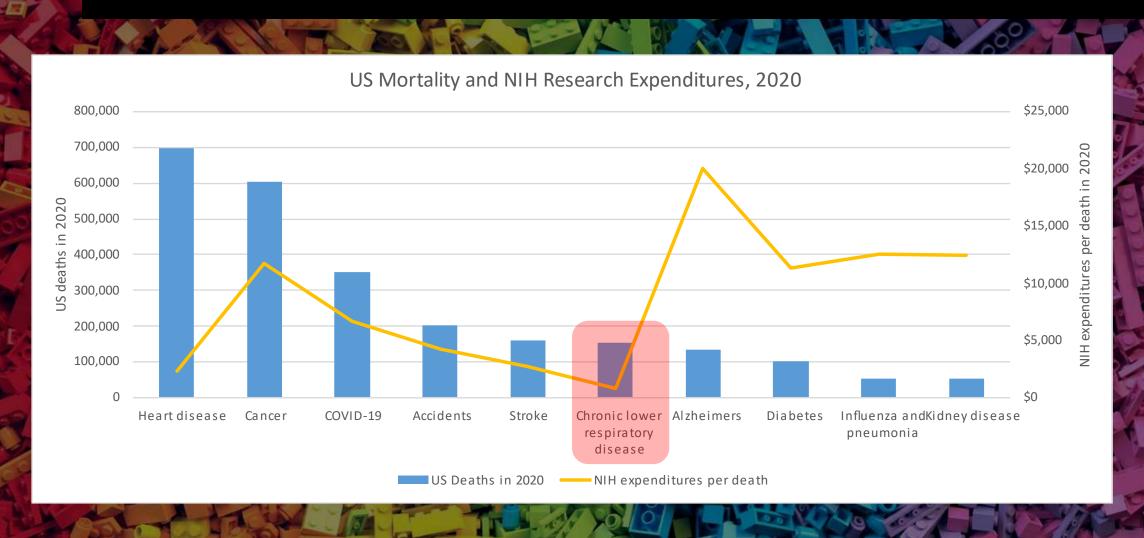
COPD prevalence and mortality remain essentially stagnant.

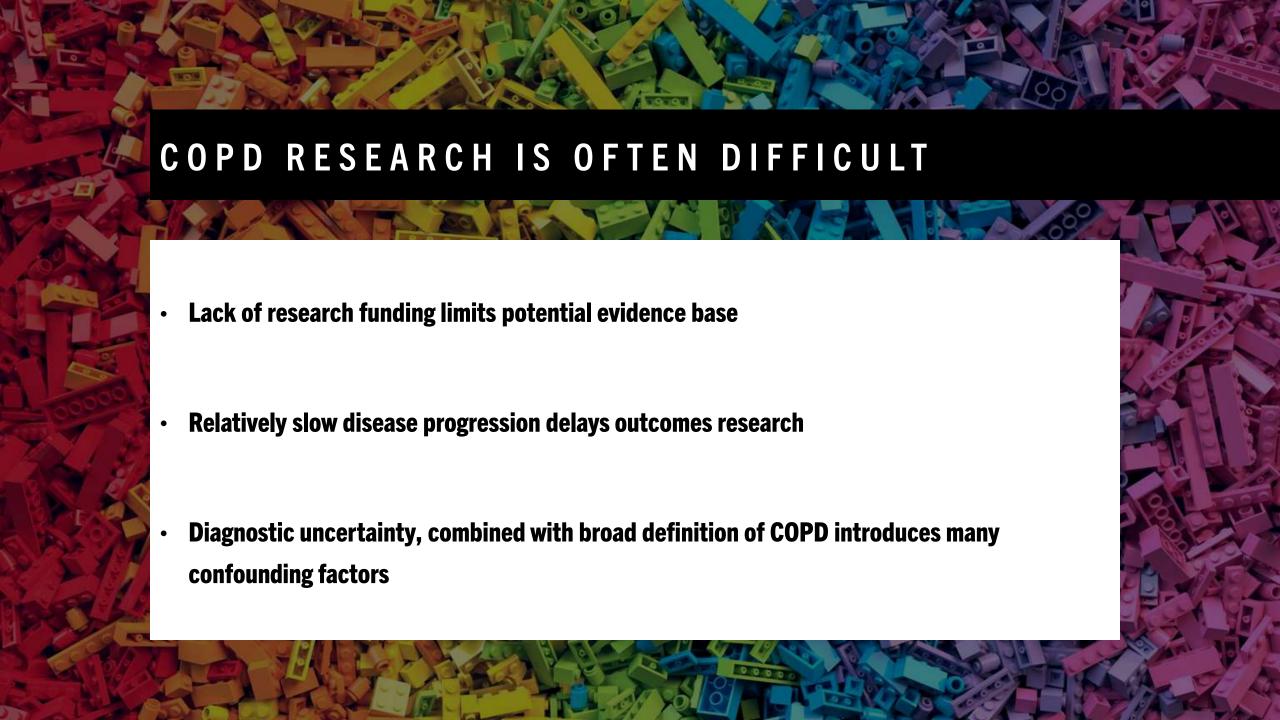
 Over the same time, significant progress has been made in conditions such as cancer and diabetes.



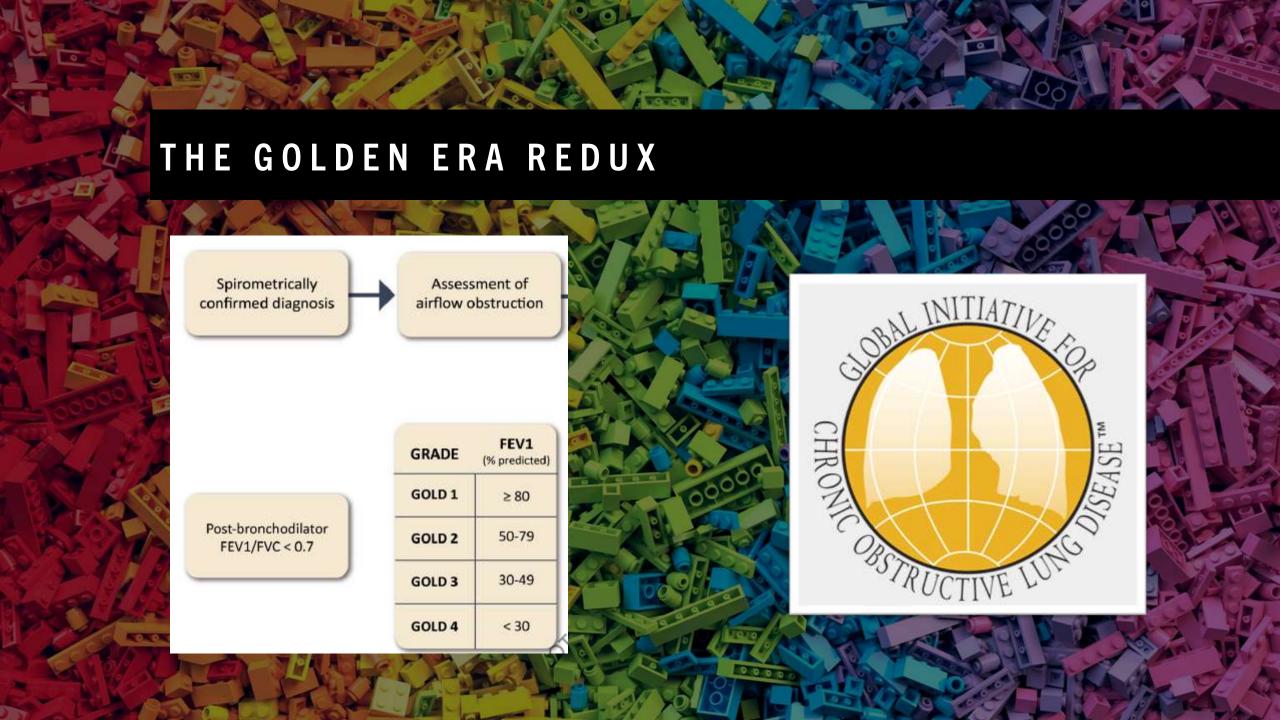


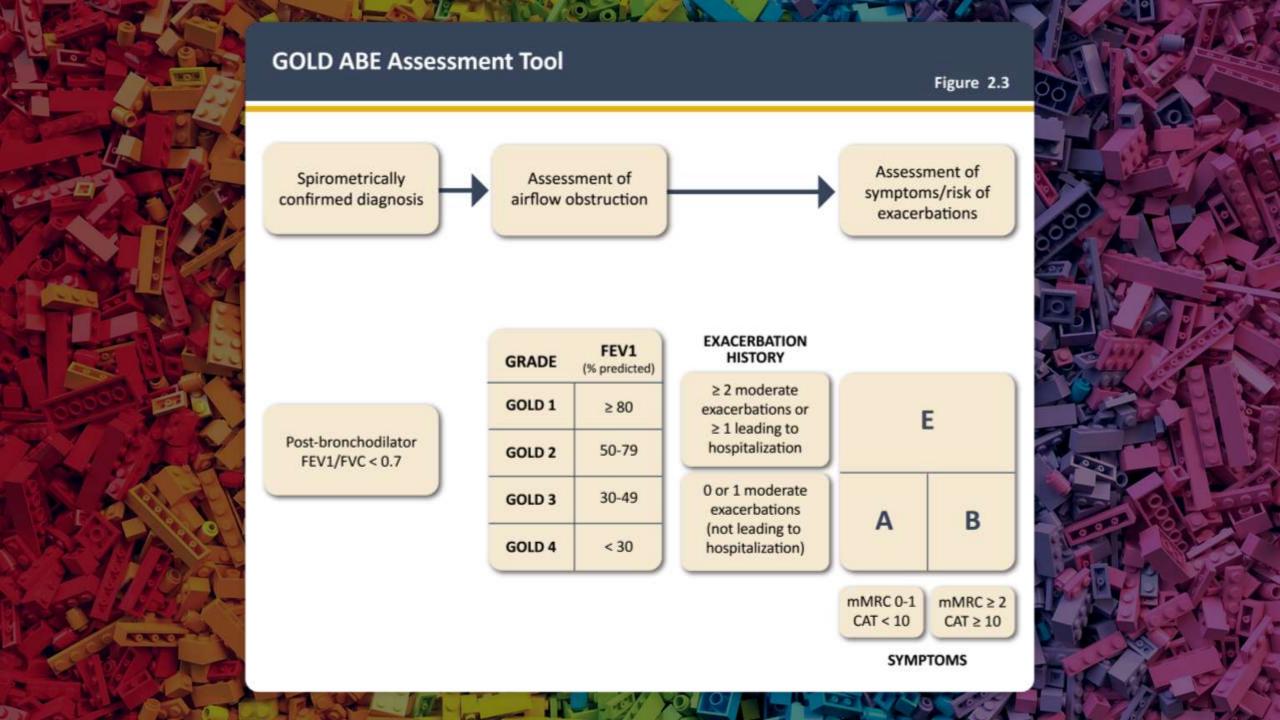
FUNDING IS SCARCE, REQUIRING EFFICIENCY











SCREENING AND DIAGNOSTICS

No

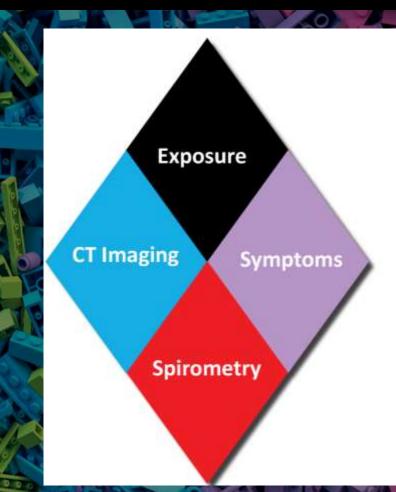
Yes

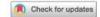
CAPTURE*™

For each question, place an X in the box with the answer that is best for you. There are no right or wrong answers, only answers which are right for you.

Please answer each question

	50000		1999-17			
Have you ever lived or worked in a place with dirty or polluted air, smoke, second-hand smoke, or dust?						
2. Does your breathing change with seasons, weather, or air quality?						
3. Does your breathing make it difficult to do things such as carry heavy loads, shovel dirt or snow, jog, play tennis, or swim?						
4. Compared to others of your age, do you tire easily?						
	0	1	2 or more			
5. In the past 12 months, how many times did you miss work, school, or other activities due to a cold, bronchitis, or pneumonia?						
*COPD Assessment in Primary Care to identify Undiagnosed Respiratory Disease & Exacerbation Risk						





PULMONARY PERSPECTIVE

Definition and Nomenclature of Chronic Obstructive Pulmonary Disease

Time for Its Revision

Bartolome Celli¹, Leonardo Fabbri², Gerard Criner³, Fernando J. Martinez⁴, David Mannino⁵, Claus Vogelmeier⁶, Maria Montes de Oca⁷, Alberto Papi², Don D. Sin⁸, MeiLan K. Han⁹, and Alvar Agusti¹⁰

¹Pulmonary Division, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts; ²Department of Translational Medicine, University of Ferrara, Ferrara, Italy; ³Department of Thoracic Medicine and Surgery, Lewis Katz School of Medicine at Temple University, Philadelphia, Pennsylvania; ⁴Joan and Sanford I. Weill Department of Medicine, Weill Cornell Medicine, New York, New York; ⁵Division of Pulmonary, Critical Care, and Sleep Medicine, University of Kentucky College of Medicine, Lexington, Kentucky; ⁶Pulmonary and Critical Care Medicine, Department of Medicine, University Medical Center University of Marburg, German Center for Lung Research (DZL), Philipps University Marburg, Marburg, Germany; ⁷Hospital Universitario de Caracas, Universidad Central de Venezuela and Centro Médico de Caracas, Caracas, Venezuela; ⁸Division of Respiratory Medicine, Centre for Heart Lung Innovation, St. Paul's Hospital, University of British Columbia, Vancouver, British Columbia, Canada; ⁹University of Michigan Health System, Ann Arbor, Michigan; and ¹⁰Cátedra Salud Respiratoria, Universitat de Barcelona; Respiratory Institute, Hospital Clinic, Barcelona; IDIBAPS, CIBERES, Barcelona, Spain

ORCID IDs: 0000-0002-7266-8371 (B.C.); 0000-0001-8894-1689 (L.F.).

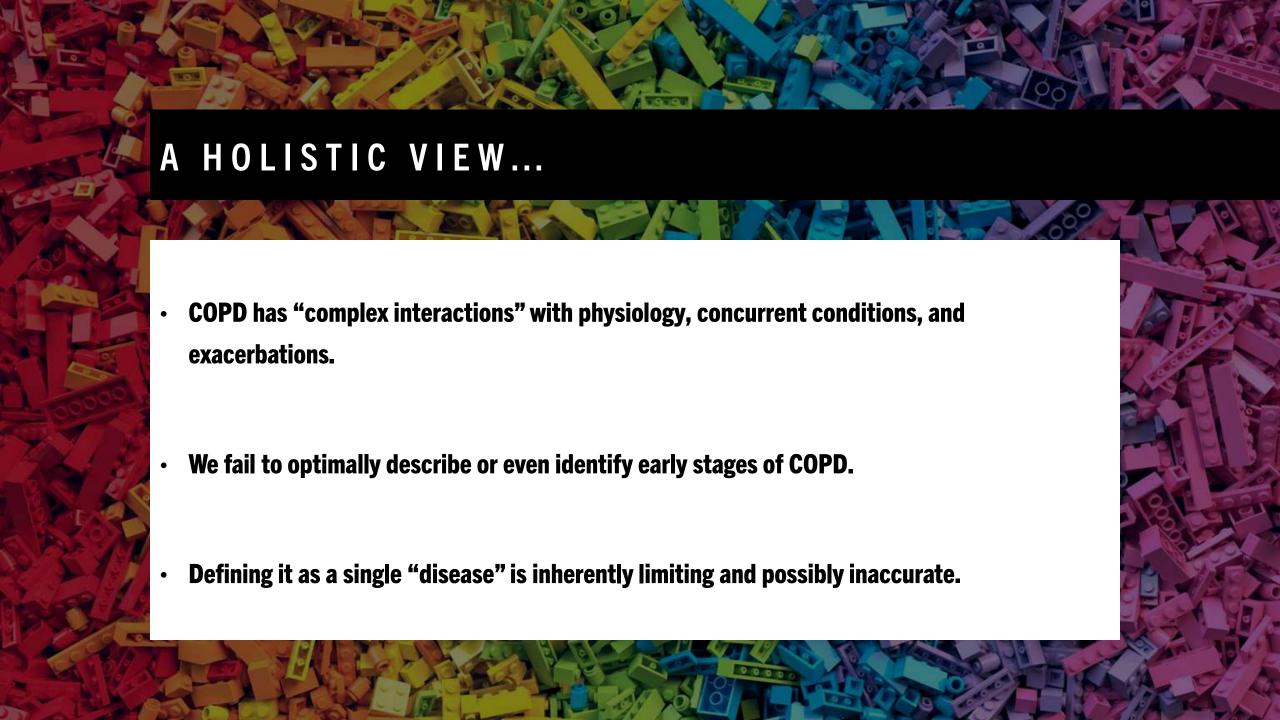


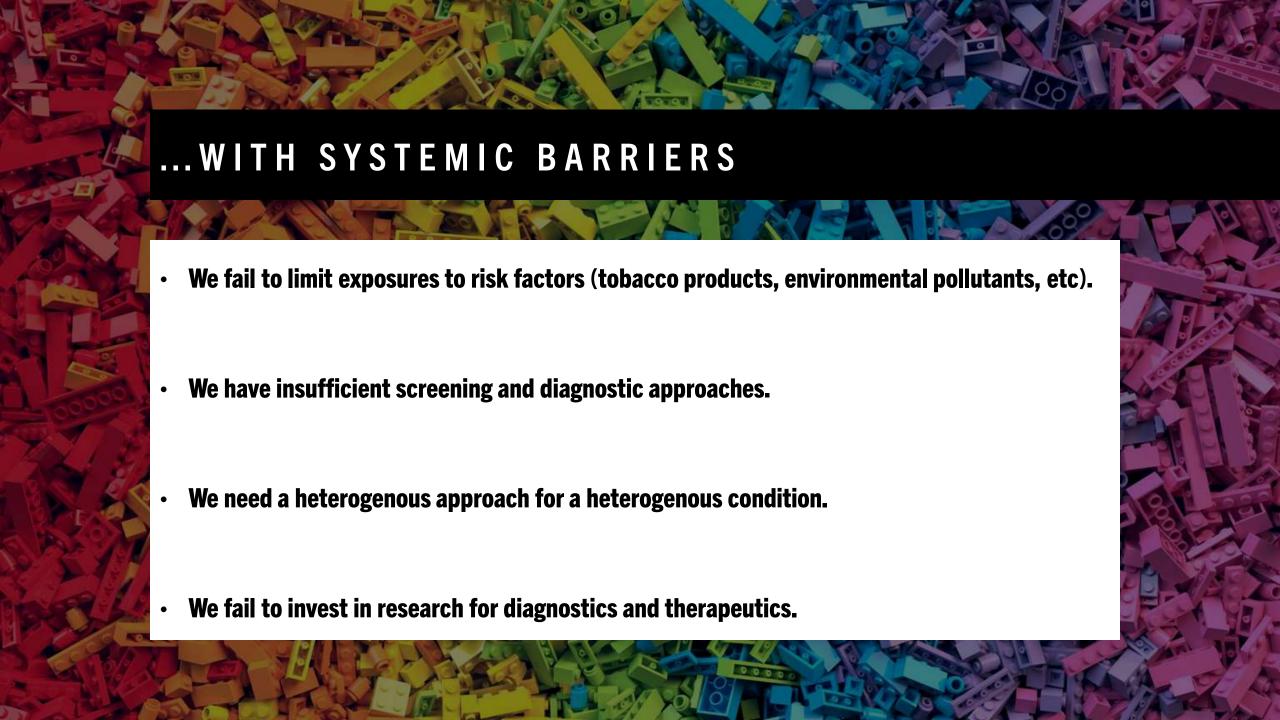
The Lancet Commissions

Towards the elimination of chronic obstructive pulmonary disease: a Lancet Commission

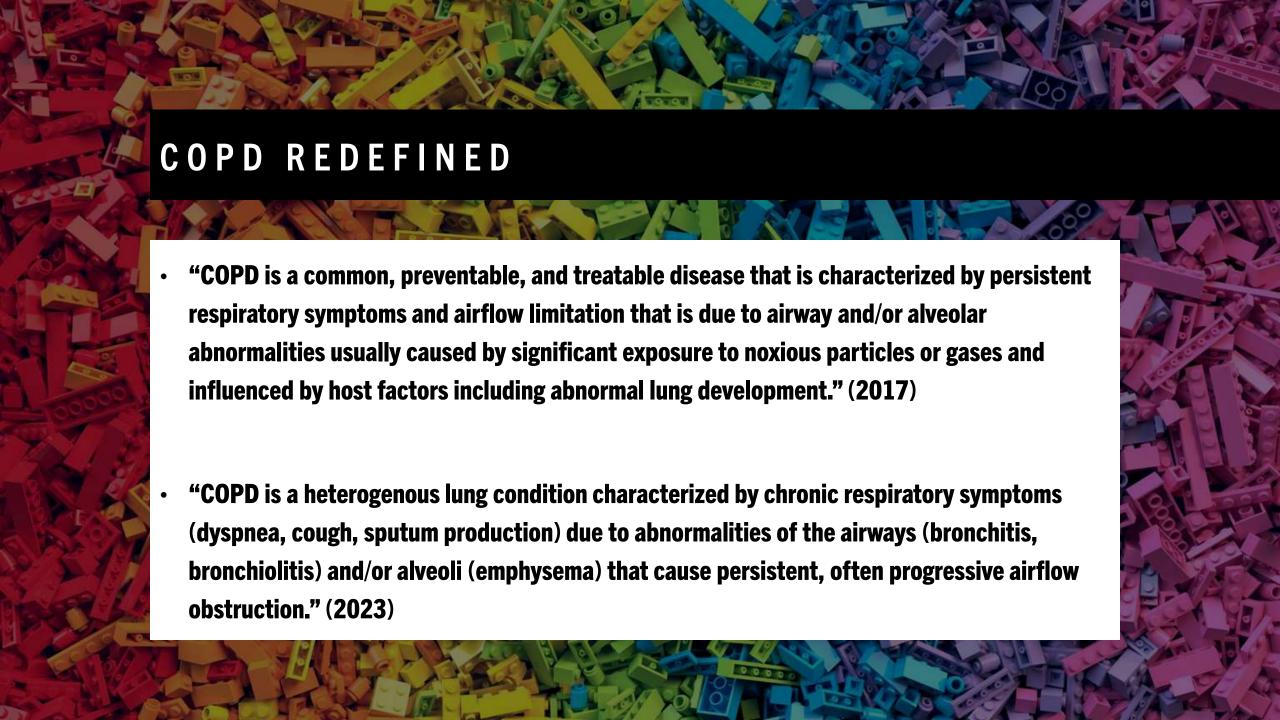


Daiana Stolz, Takudzwa Mkorombindo, Desiree M Schumann, Alvar Agusti, Samuel Y Ash, Mona Bafadhel, Chunxue Bai, James D Chalmers, Gerard J Criner, Shyamali C Dharmage, Frits M E Franssen, Urs Frey, MeiLan Han, Nadia N Hansel, Nathaniel M Hawkins, Ravi Kalhan, Melanie Konigshoff, Fanny W Ko, Trisha M Parekh, Pippa Powell, Maureen Rutten-van Mölken, Jodie Simpson, Don D Sin, Yuanlin Song, Bela Suki, Thierry Troosters, George R Washko, Tobias Welte, Mark T Dransfield









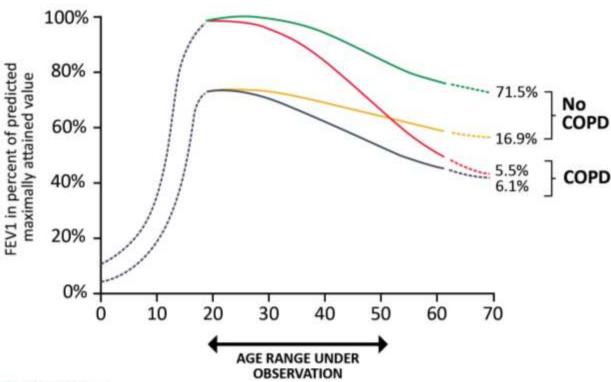
WORDS MATTER

TO		AIIEN				
	Early COPD	Mild COPD	Young COPD	Pre-COPD	PRISm	The season
	Related to the beginning of the process	Sometimes used to describe early phases of disease progression	May include patients who never achieved peak lung function	Represents patients of any age with regular symptoms or abnormalities, but no airflow obstruction	Indicates patients with normal FEV ₁ /FVC ratio but FEV ₁ < 80% predicted	
	Biological "early" may be different from clinical "early"	Can occur at any age, does NOT indicate initial phases of disease	May still represent severe disease, not just initial stages	Treatment should still be provided to manage symptoms	Patients may oscillate between PRISm and obstructed spirometry	
	Term should generally be avoided, unless discussing specifically biological "early"	Term should be used to represent only spirometrically measured airflow obstruction of 80- 99% predicted value	Term should be used to describe patients diagnosed with COPD between 20-50 years of age	Additional research is needed to better elucidate optimal treatment options	Additional research is needed to better elucidate optimal treatment options	
			100000000000000000000000000000000000000	HI WA		A CONTRACTOR OF THE PARTY OF TH



FEV1 Trajectories (TR) Over the Life Course

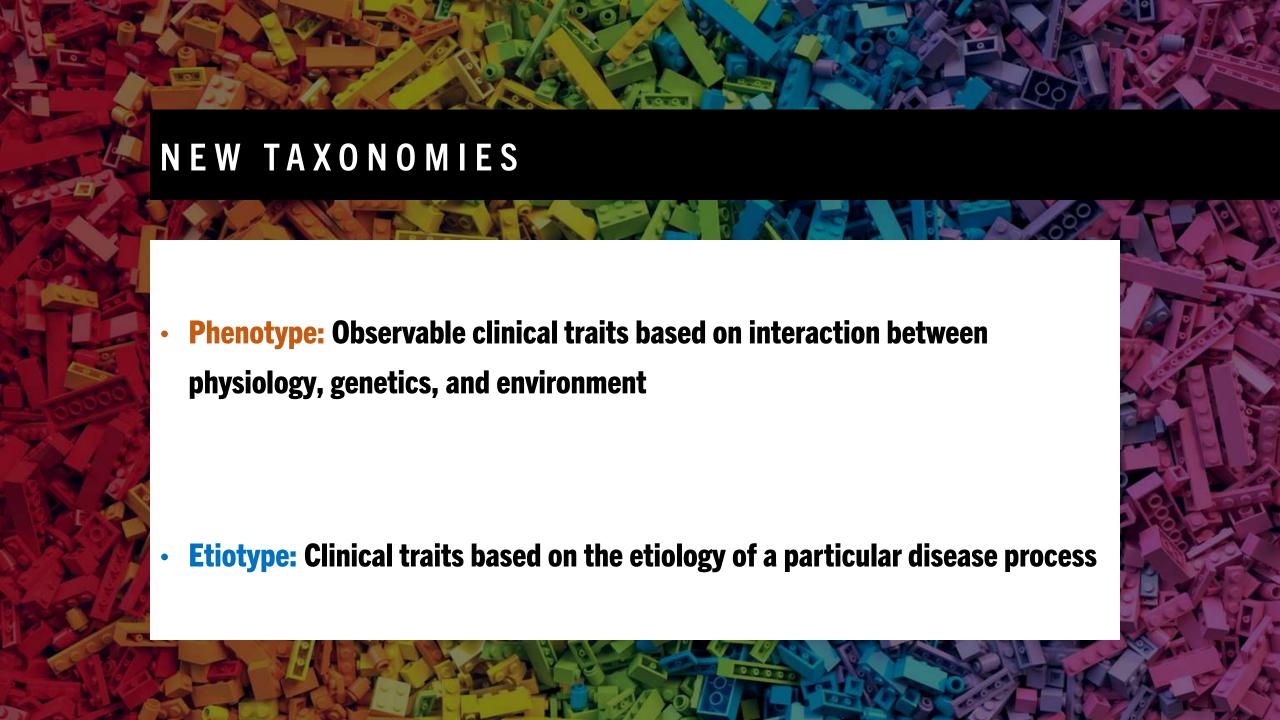
Figure 1.1



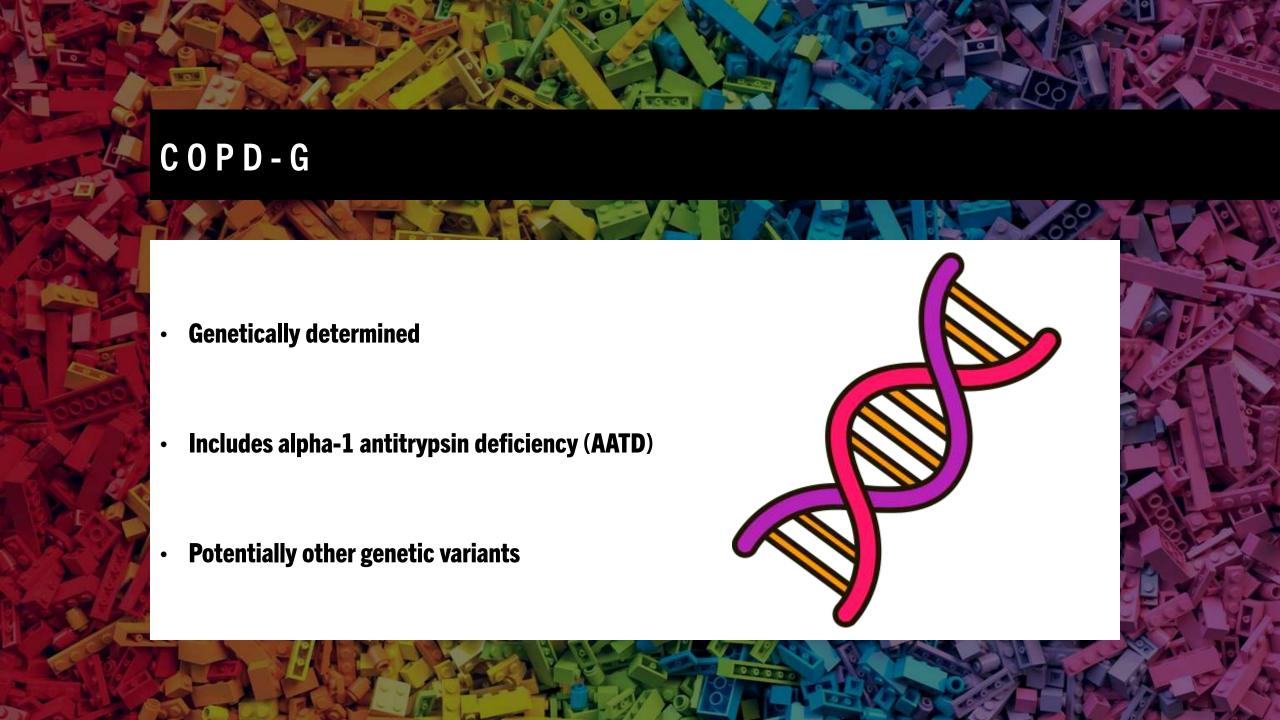
- TR1: Normal
- TR2: Small lungs but no COPD
- TR3: Normal Initial FEV1 with rapid decline leading to COPD
- TR3: Small lungs leading to COPD

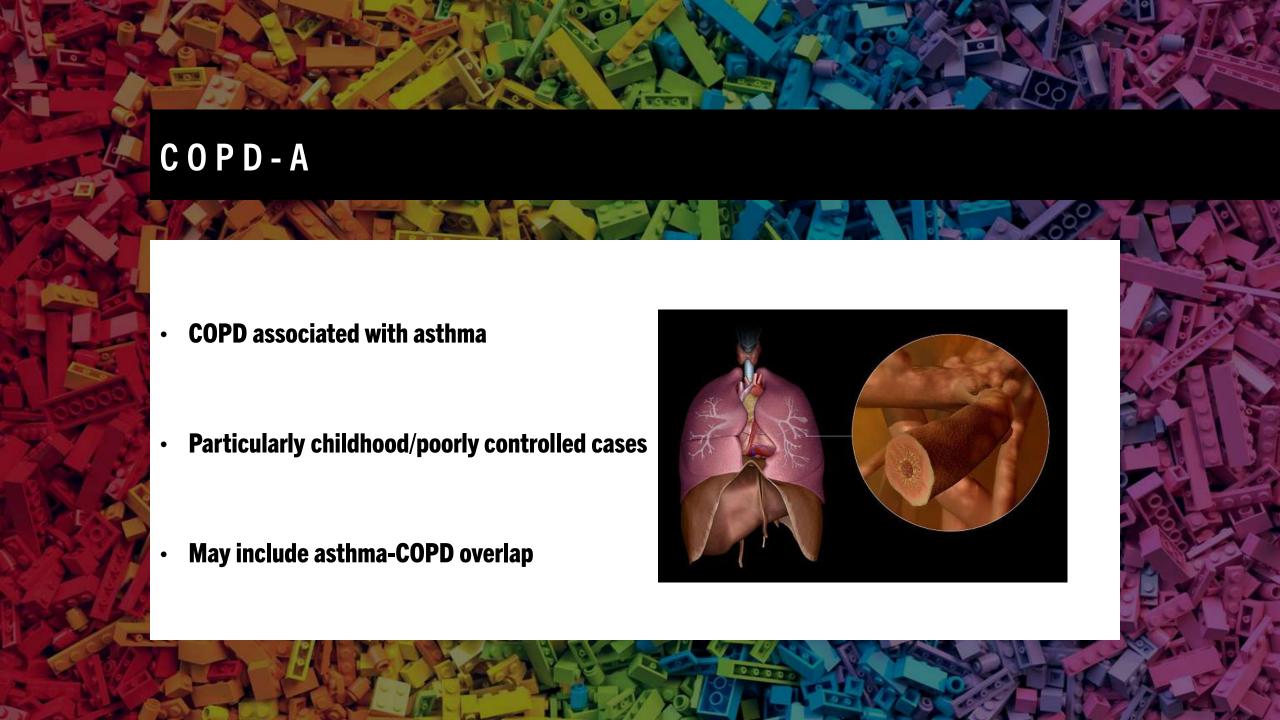
Note: This is a simplified diagram of FEV1 progression over time. In reality, there is heterogeneity in the rate of decline in FEV1 owing to the complex interactions of genes with environmental exposures and risk factors over an individual's lifetime [adapted from Lange et al. NEJM 2015;373:111-22].

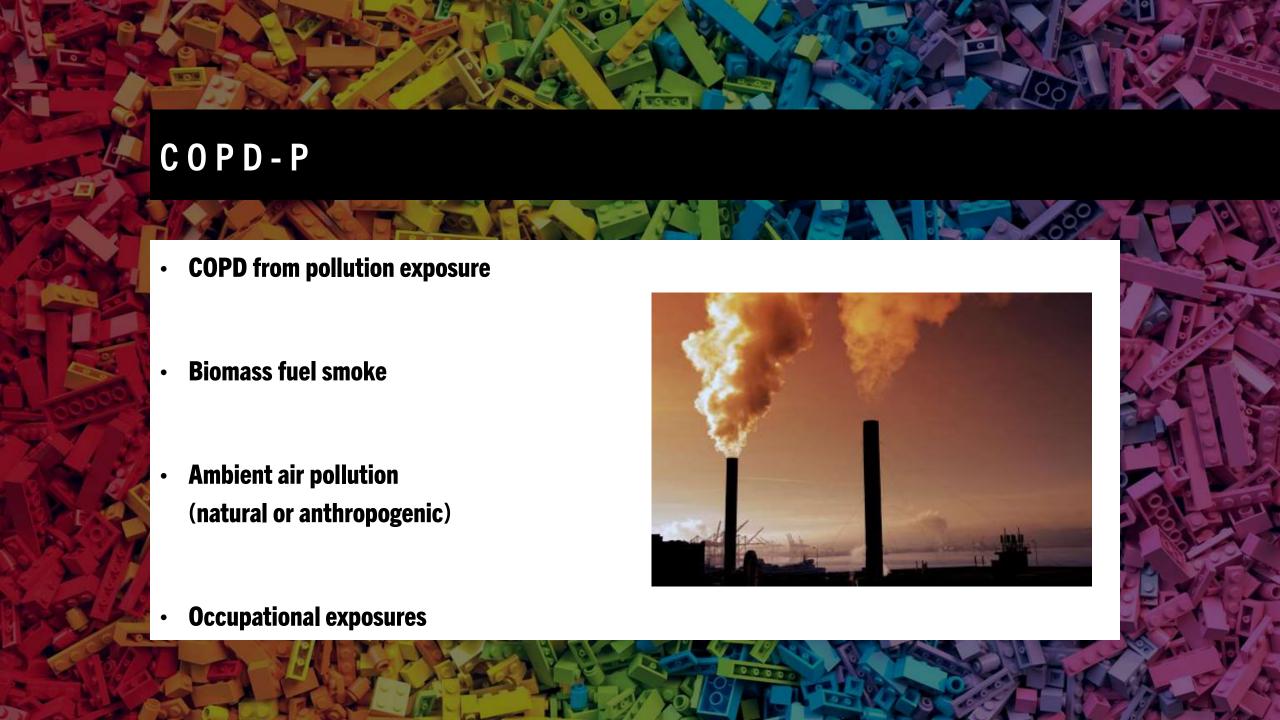


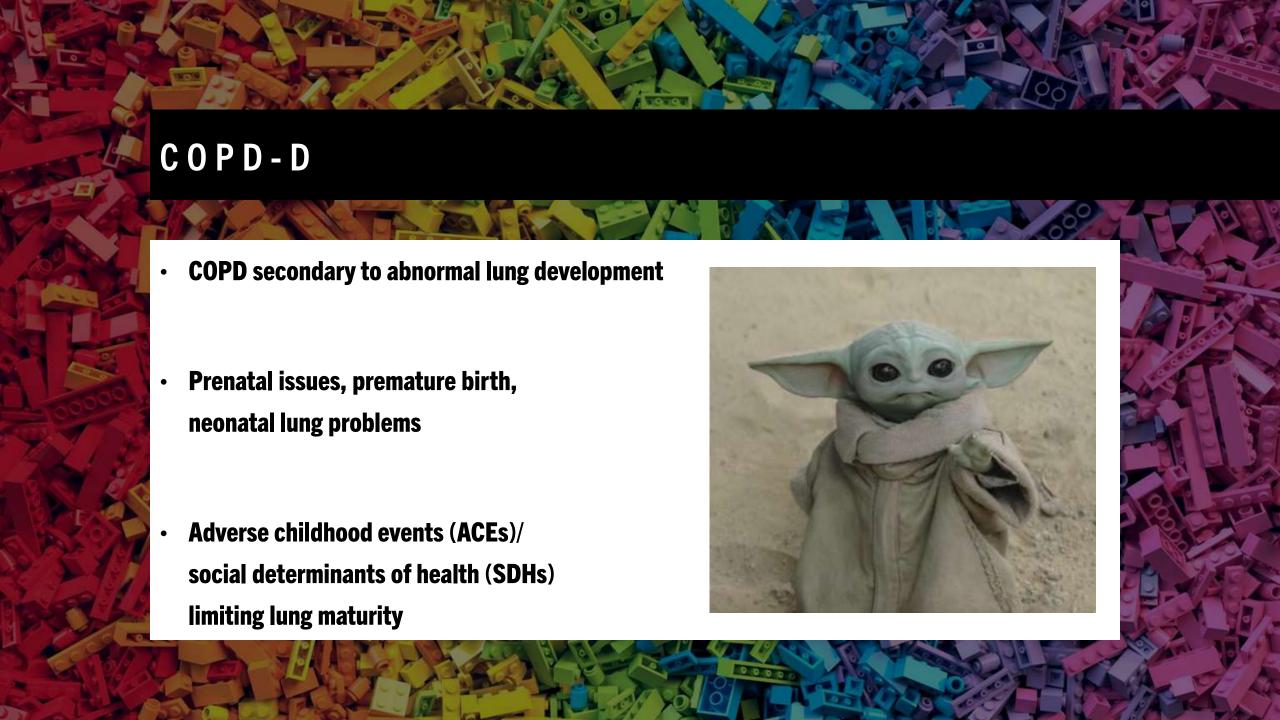




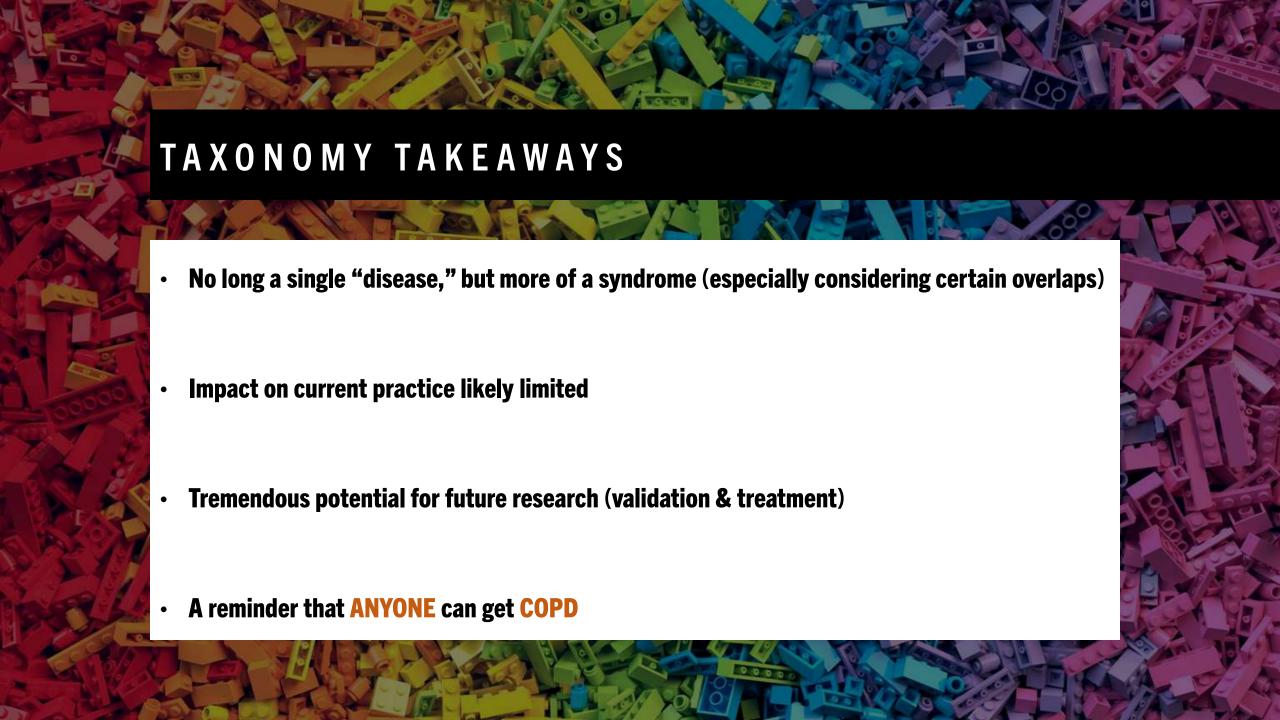




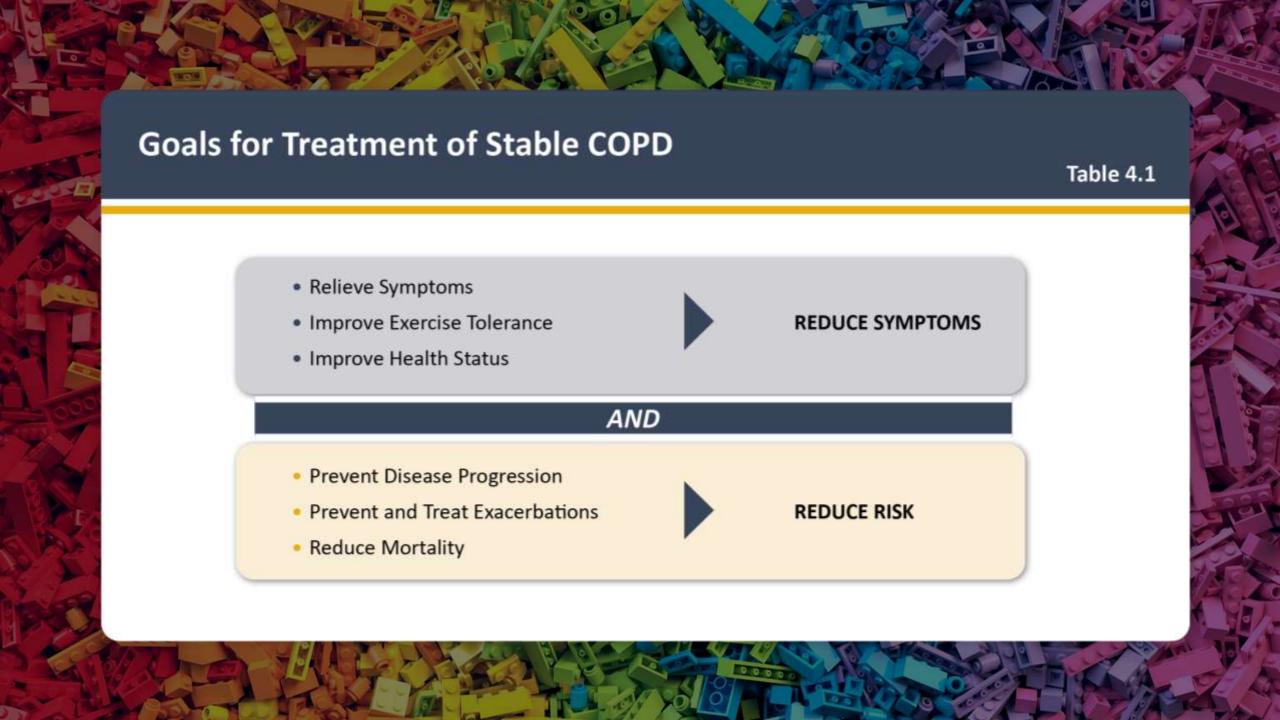


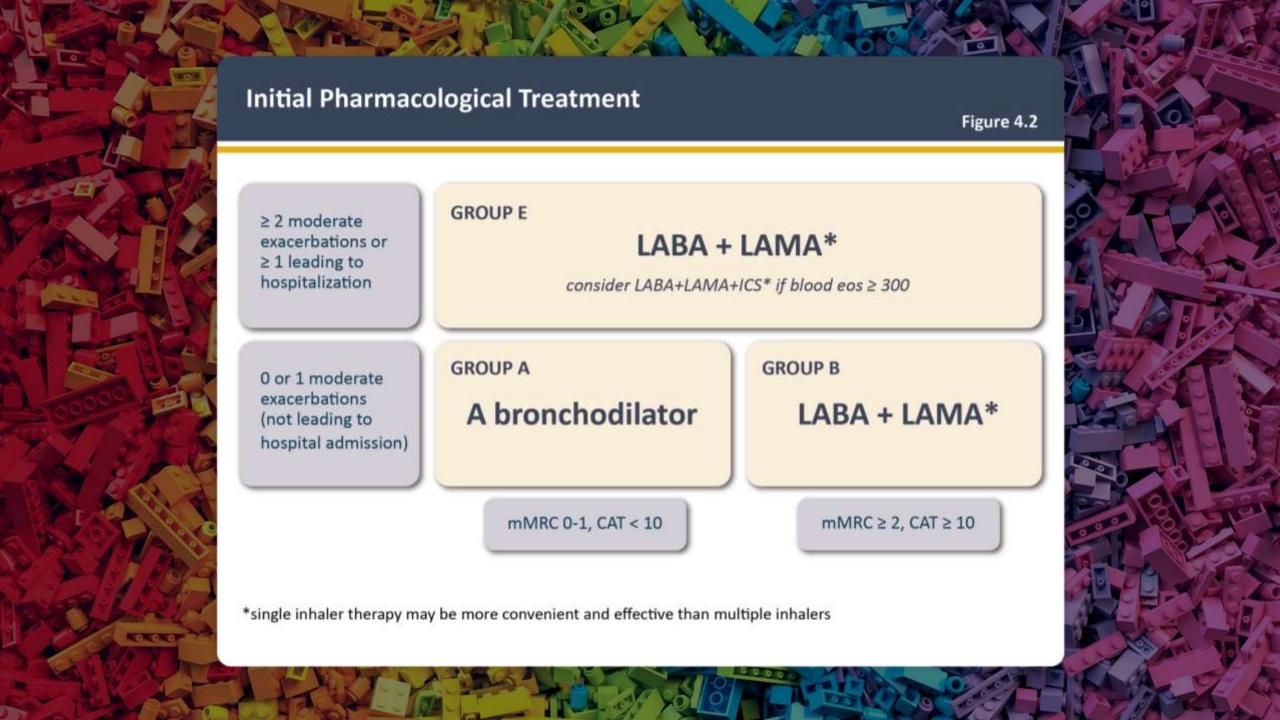


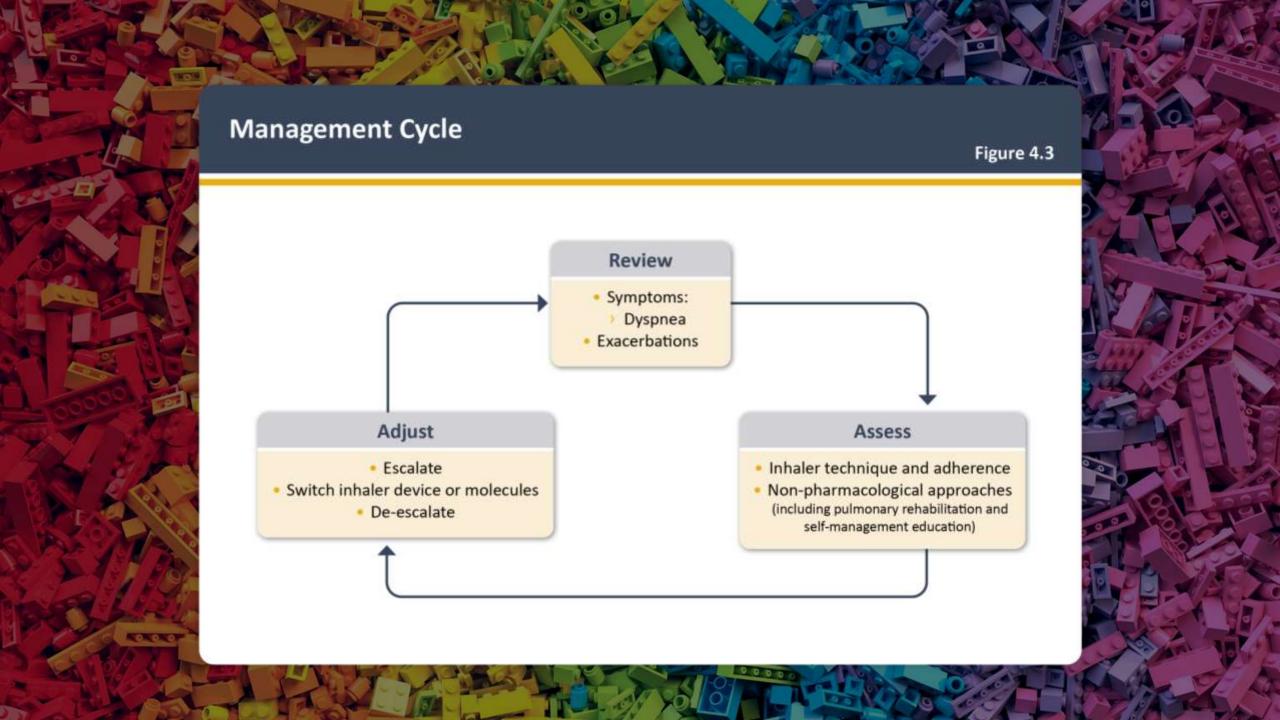


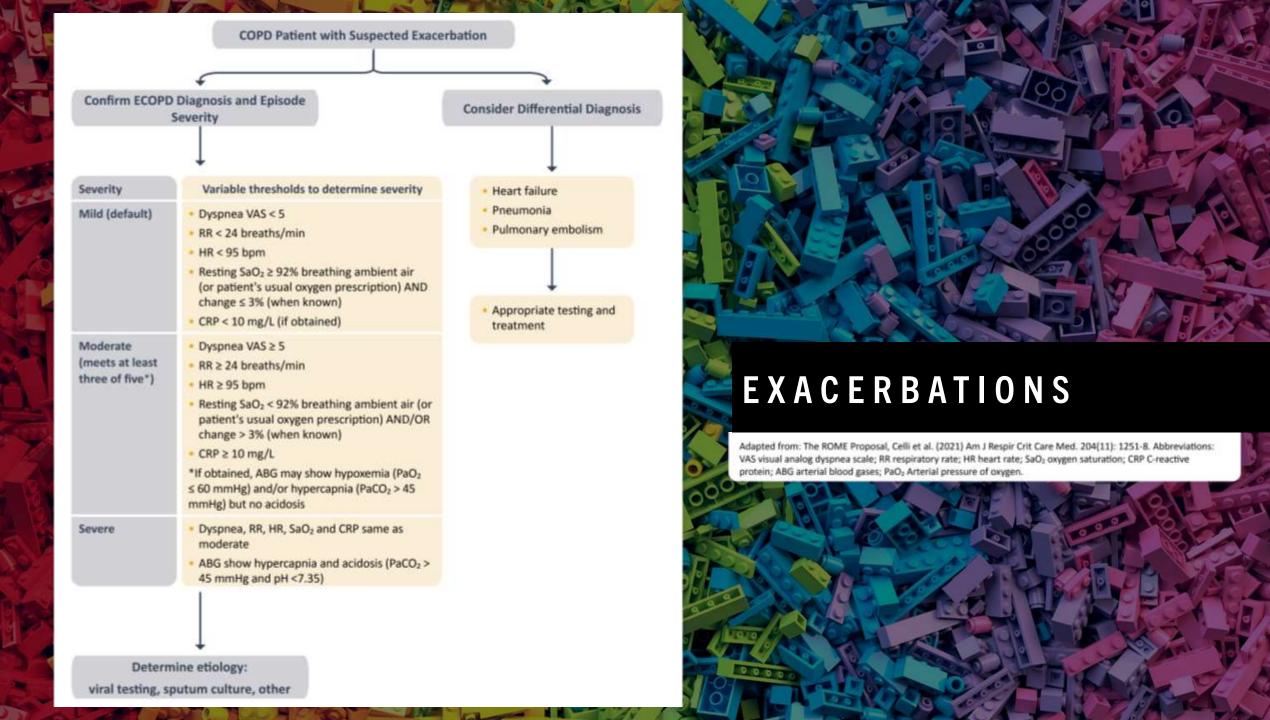














EMERGING RESEARCH PRIORITIES

Reviewed thousands of COPD PPRN participant responses

Developed initial research items with stakeholder input Held a vote on COPD360Social to prioritize the items Prioritized research agenda created

What are the results?



Cure COPD



Better drugs for shortness of breath and flare ups



Improve symptoms



Improve medical equipment and increase access





Reduce anxiety, fear and depression

1 Gruß, I., McCreary, G.M., Ivlev, I. et al. Developing a patient-driven chronic obstructive pulmonary disease (COPD) research agenda in the U.S.. J Patient Rep Outcomes 5, 126 (2021). https://doi.org/10.1186/s41687-021-00399-7

