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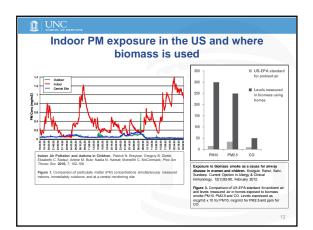
Coogan, PF et al "Active and Passive Smoking and the Incidence of Asthma in the Black Women's Health Study", American Journal of Respiratory and Critical Care Medicine, Vol. 191, No. 2 (2015), pp. 168-176.

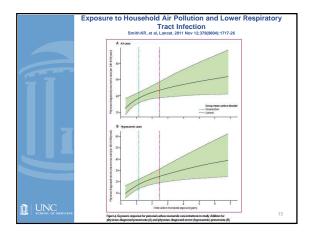
Table 2. Smoking Status and Incidence of Asthma, Black Women's Health Study, 1995–2011

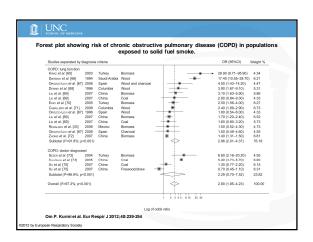
Smoking Status	Cases	Person-Years	Basic Model (Age and Questionnaire Cycle) [HR (95% CI)]	Multivariable Model [HR (95% Cl)]*	
Never active or passive	142	84.071	1.0	1.0	
Passive only	677	284,103	1.36 (1.13-1.63)	1.21 (1.00-1.45)	
Exposed before age 20 only	225	105,193	1.26 (1.02-1.56)	1.17 (0.94-1.45)	
Exposed at age 20 or older only	180	72,745	1,39 (1,11-1,74)	1,24 (0.99-1.56)	
Exposed before and after 20	272	106,165	1.43 (1.16-1.75)	1.18 (0.96-1.46)	
Former smoker	423	139.885	1.71 (1.41-2.08)	1.36 (1.11-1.67)	
Current smoker	281	85,741	1.72 (1.40-2.11)	1.43 (1.15-1.77)	

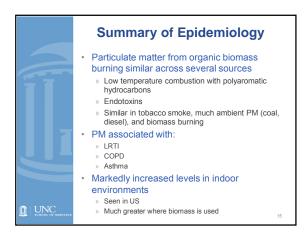
Am J Respir Crit Care Med. 2015 http://www.aispurnate.org/doi/ubs/10.1164/rccm.201406-1108/CC Published in: Patricia F. Coogan; Nelsy Castro-Webb, Jeffrey Yu; George T. O'Connor; Julie R. Palmer, Lynn Rosenberg, Am J Respir Crit Care Med. 191, 168-176. DOI: 10.1164/rccm.201406-1108/CC Copyright © 2015 by the American Thoracid Society.

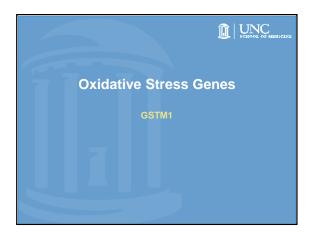
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Die			veen Res italizatio						Power	
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Liu			al discharge rate							
			f MHI status.	a iui aauii	na, Am, and Co	D accordi	ing to age and ex	cposure are		
					Hospital discharge rate per 100,000 (95% CI)					
	Exposure		Person-years	Ast	thma	ARI		COPD		
	Age < 10 yea	'S								
	Clean Fuel only		8,661,904 567,857		355, 363) 365, 397)	404 (400, 4				
	Waste only		8.939.610		305, 397) 448, 457)	474 (470. 4				
	Fuel and wa	iste	3,355,019		501, 517)	551 (544, 5				
	Age ≥ 10 yea	rs								
	Clean		56,609,900		510, 513)	147 (146, 1		(1,219, 1,229		
	Fuel only Waste only						154 (151, 158) 1,390 (1,379, 1,40 169 (168, 170) 1,401 (1,398, 1,40			
	VVaste only Fuel and wa	eto	21,653,627		(597, 601) (669, 676)	169 (168, 1 192 (191, 1		(1,622, 1,63)		
	Tool and we	010	£1,000,0£1	072	(000, 070)	TOE (TOT)	0-17 1,06.7	(1,022, 1,000	<u>-</u>	
ole 3. Adjusti	d RRs of hospital		for asthma, ARI, ar	id COPD as	a function of resi			ent exposure		
			thma		ARI				COPD	
osure	Age < 10 y RR (95% CI)	p-Value	Age ≥ 10 yr	o-Value	Age < 10 y	p-Value	Age ≥ 10 y RR (95% CI)	ears ρ-Value	Age ≥ 10 yr	ears p-Valu
an an	100 100	p-value	1 00	p-value	1 00	p-value	1 00	preatite	1 00	p-valu
an el only	1.01 (0.91, 1.12)	0.85	1.11 (1.02, 1.20)	0.01	1.03 (0.93, 1.14)	0.56	1.15 (1.05, 1.27)	0.003	1.17 (1.06, 1.29)	0.002
	1.11 (1.03, 1.19)	0.005	1.07 (1.00, 1.14)	0.04	1.13 (1.05, 1.21)	0.001	1.09 [1.02, 1.17]	0.01	1.16 (1.08, 1.26)	0.000

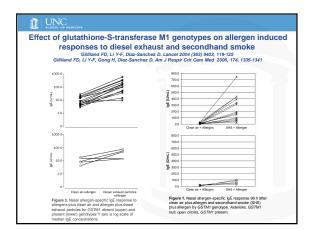


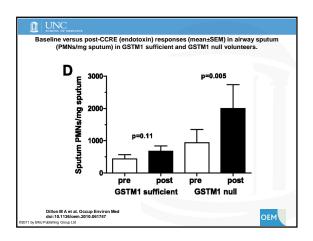


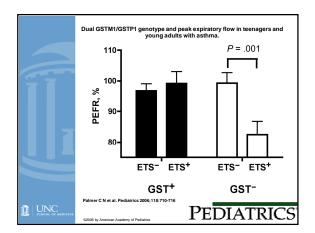














Interventions focused on the environmental causes of disease

- Antioxidant
 - » NRF2 based interventions
 - » Specific radical scavengers
 - » Results of early studies mixed, yet to see significant phase III type studies
- Avoidance of PM
 - » Strong evidence that policy measures to decrease ambient air PM related to better health outcomes
 - » Indoor biomass use of better cookstove ventilation being studied
 - » Decrease of active smoking and second hand tobacco smoke exposure works

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