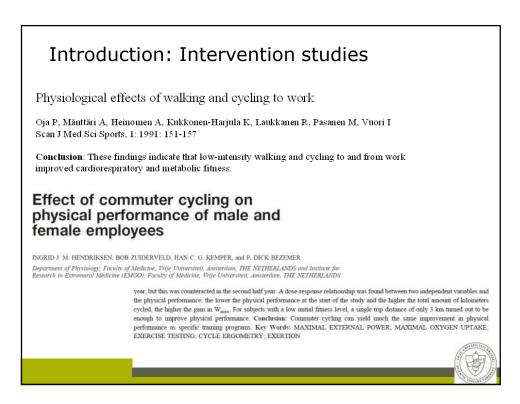
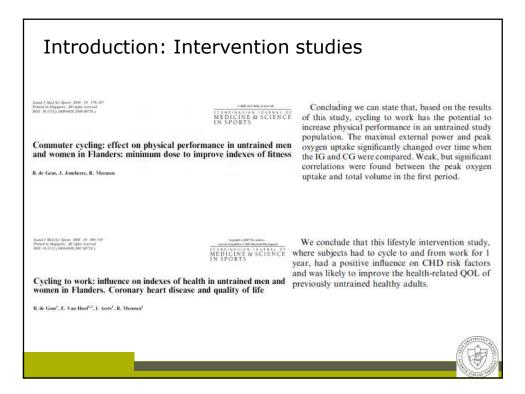
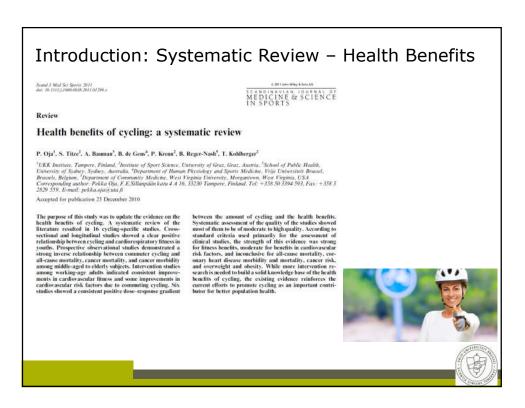
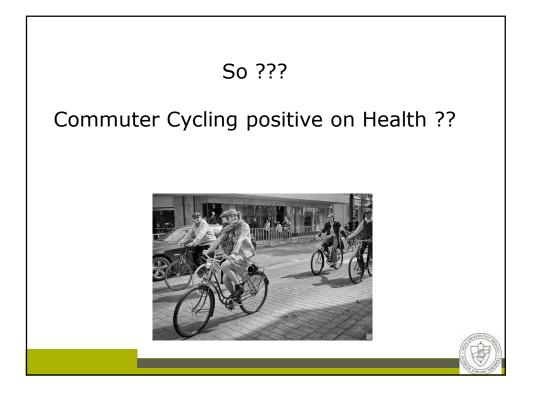


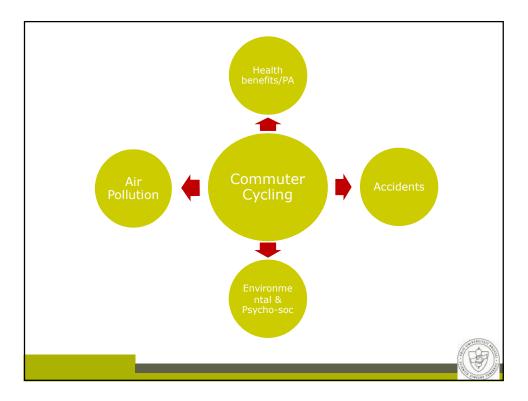
Intro	duction: Epidemic	ological studies
	entation invisition rtality Associated With Physical ig Leisure Time, Work, Sports, o Work	Conclusions: Leisure time physical activity was inversely associated with all-cause mortality in both men and women in all age groups. Benefit was found from moderate leisure time physical activity, with further benefit
Lars Re Anderson, PhD, DMSc, Hans Ole Hein, MD	Peter Schnehr, MD: Marianne Schroll, PhD, DMSc;	from sports activity and bicycling as transportation.
ELSEVIER	Preventive Mediane 46 (2008) 9-13	Arch Intern Med. 2000;160:1621-1628
	Review	
Active comm	uting and cardiovascular risk: A meta-analytic re-	view
	Mark Hamer*, Yoichi Chida	
Department of Epi	demosingy and Public Health, University College Lander, 1-19 Terrington Place, London WC1E 687: U Available redine: 20 March 2007	¢.
	obust among women. Future studies should investigate	ng was associated with an overall 11% reduction in cardiovascular risk, the reasons for possible gender effects and also examine the importance
St	ORIGINAL INVESTIGATION	Conclusions: Active commuting was positively associated with fitness in men and women and inversely asso-
Active Comm	nuting and Cardiovascular Disease Risk	ciated with BMI, obesity, triglyceride levels, blood pres-
The CARDIA Study		sure, and insulin level in men. Active commuting should be investigated as a modality for maintaining or improv-
	Jame Boone-Heinonen, PhD: Steve Sidney, MD, MPH; id R. Jacobs Jr. PhD: Cora E. Lewis, MD	ing health.
		Arch Intern Med. 2009;169(13):1216-1223

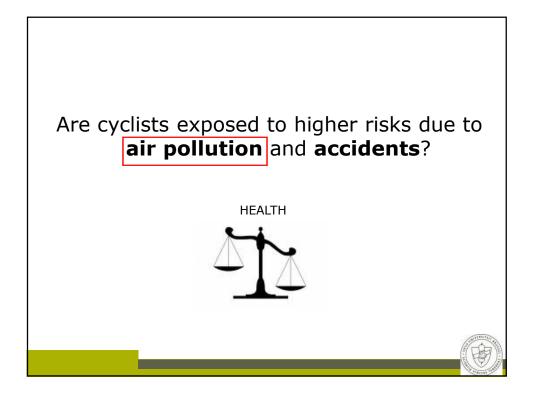


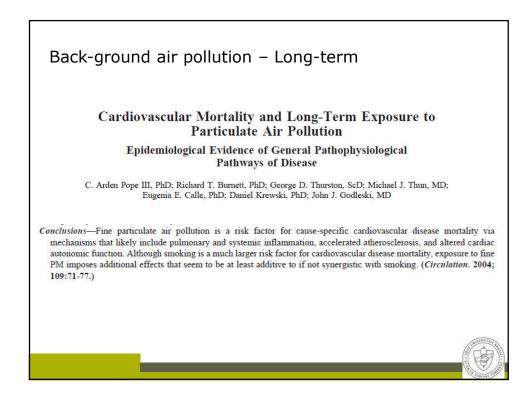


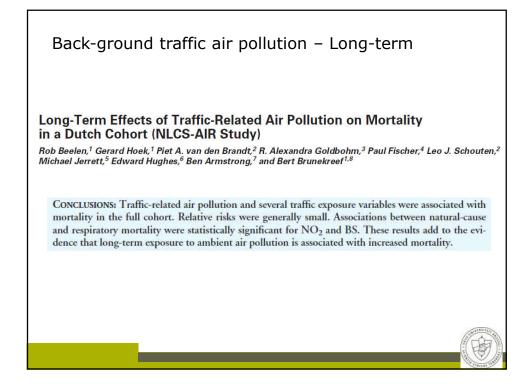


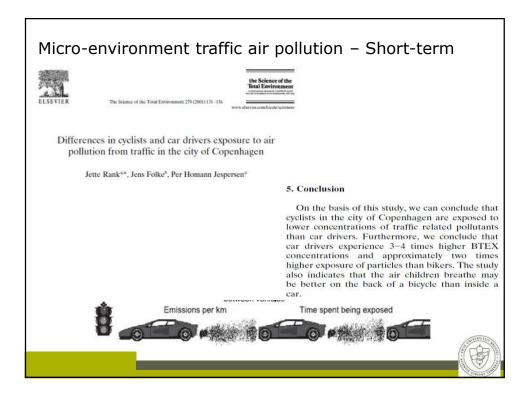






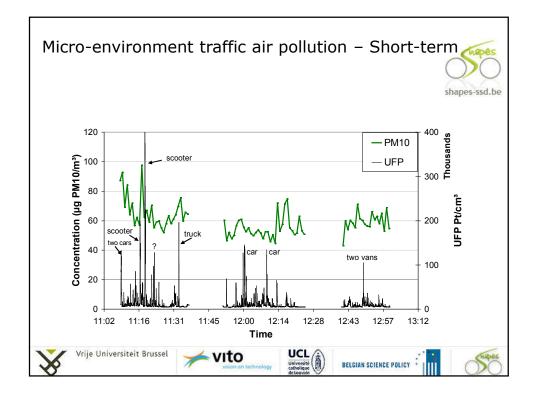


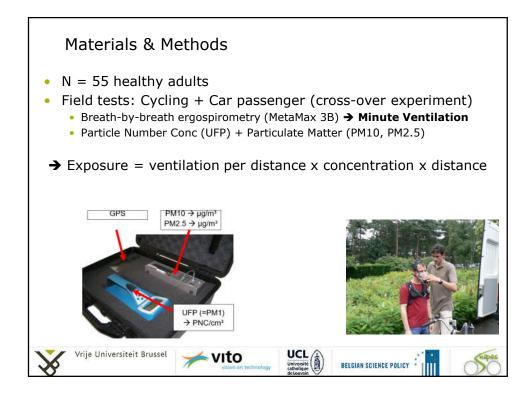




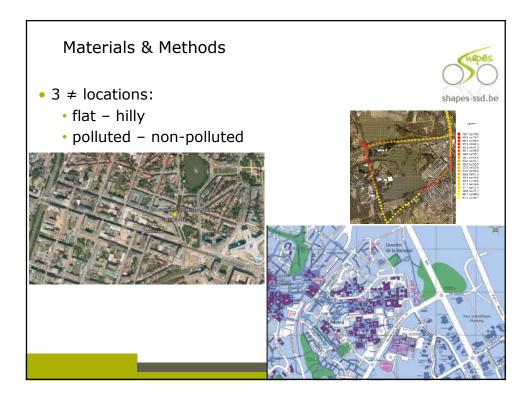


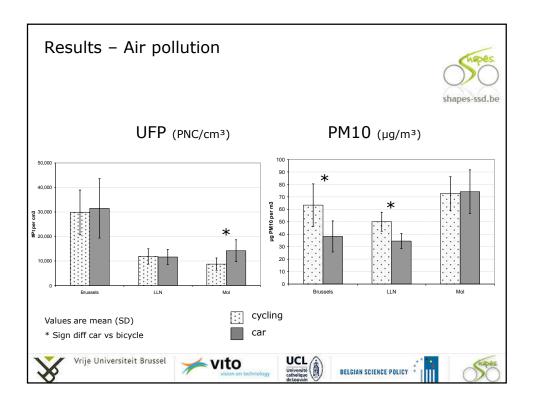
Study	Measurment - Estimation	Bicycle/car ventilation ratio
Van Wijnen (1995) (Vrijkotte (unpublished))	Measurment	2.3
den Breejen (2006)	Van Wijnen (1995)	2.3
Rank (2001)	Van Wijnen (1995)	2.3
O'Donoghue (2007)	Estimation - HR	2.6
Zuurbier (2009)	Estimation - HR	2.1

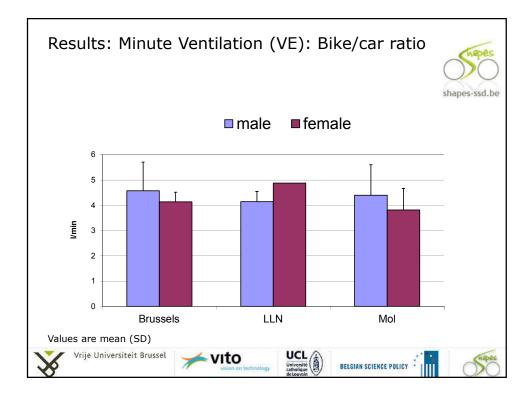


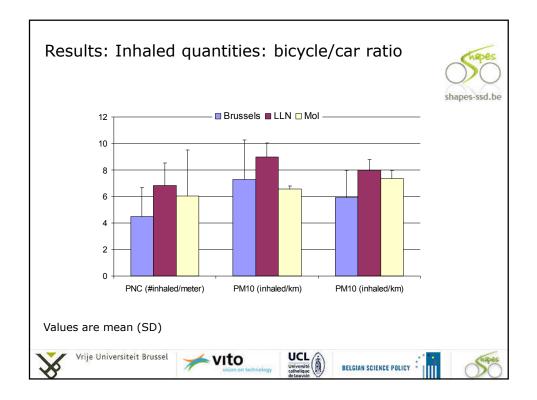


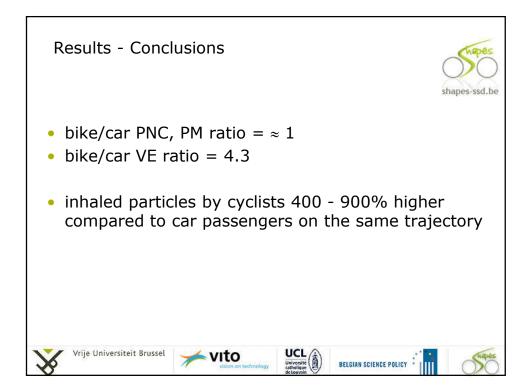


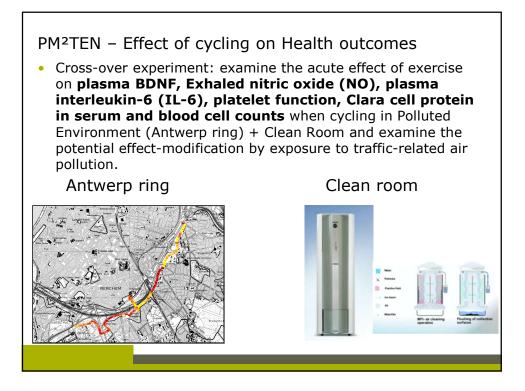


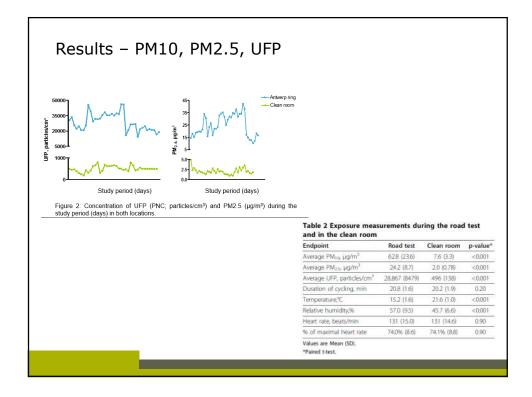


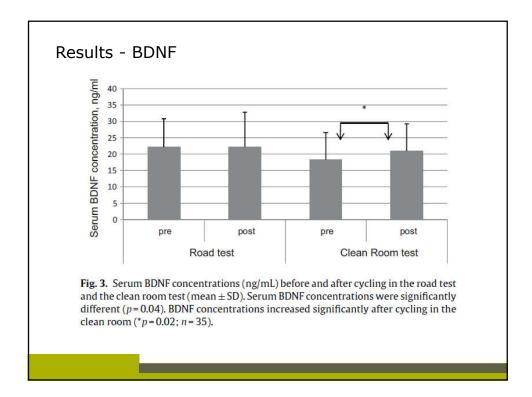




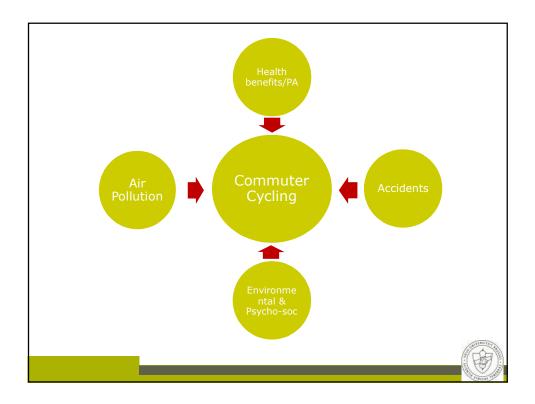


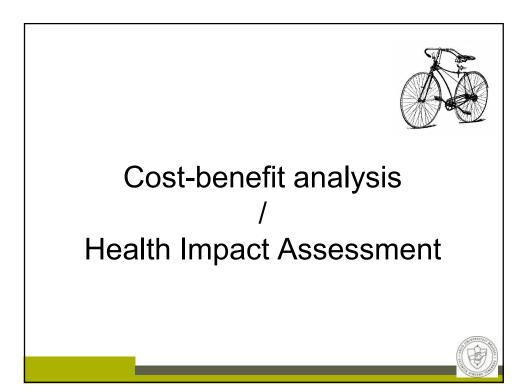


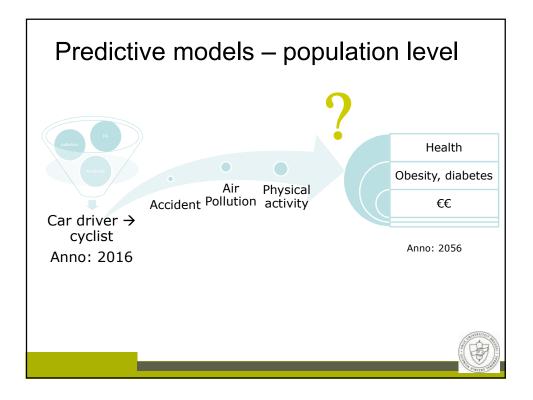




Endpoint F	Road test	4 Percent change (pre/post-cycling) in endpoints per exposure so int Road test Clear					
	Percent change (95%CI)	p-value	Clean room Percent change (95%Cl)	p-value	p-value for in Exposure scenario*	UFP [†]	PM _{2.5} *
Exhaled NO.	-4.4% (-8.3% to -0.37%)	0.04	-1,3% (-6.5% to 4,1%)	0.63	0.38	063	0.50
PFA closure time	-4.4% (-8.3% to -0.37%) 6.5% (-1.0% to 14.5%)	0.10	-1.3% (-0.5% to 4.1%) 5.1% (-1.0% to 11.6%)	0.03	0.38	0.63	0.50
Plasma II -6							
	17.4% (-6.7% to 47.9%)	0.18	-2.9% (-19.0% to 16.4%)	0.75	0.21	0.38	0.40
Clara cell protein	1.6% (-10.8% to 15.8%)	0.82	-0.27% (-11.7% to 12.7%)	0.97	0.90	0.91	0.80
Blood leukocyte counts	1,3% (-2.0% to 4.6%)	0.44	2.5% (-1.1% to 6.0%)	0.19	0.75	0.97	0.71
Blood neutrophil counts	4.6% (0.48% to 8.7%)	0.04	2.4% (-2.3% to 7.2%)	0.32	0.36	0.35	0.20
Percentage blood neutrophils	3.9% (1.5% to 6.2%)	0.003	0.22% (-1.8% to 2.2%)	0.83	0.004	0.02	0.01







bicycle fo		ake a transitior (7.5-15 km) on ds	
Stressor	Relative risk	Gain in life years ^a	Gain in life days/ months per person ^a
Air pollution	1.001 to 1.053	-1,106 to -55,163 (-28,135)	-0.8 to -40 days (-21 days)
Traffic accidents	0.996 to 1.010 ^b 0.993 to 1.020 ^b	-6,422 to -12,856 (-9,639)	-5 to -9 days (-7 days)
Physical activity	0.500 to 0.900	564,764 to 111,027 (337,896)	14 to 3 months (8 months)
	0	lth benefits of cycling we hifting their mode of trar	

