Humanistic burden of COPD in Hungary

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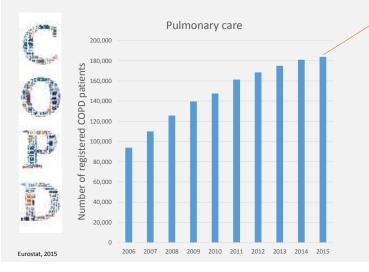
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F10: The burden of COPD in Central & Eastern Europe ISPOR 20th Annual European Congress



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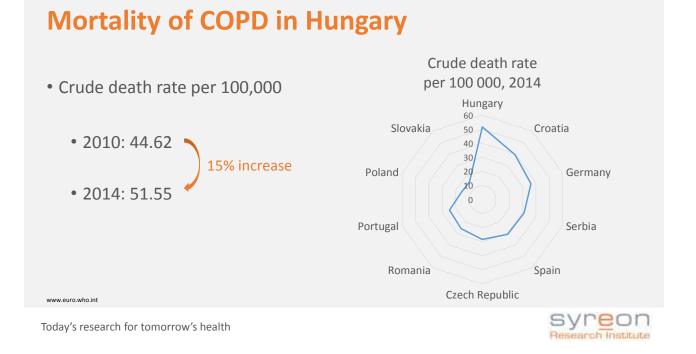
Clinical burden of COPD in Hungary



93,657 male + 90,143 female in a population of 10 million

The number of COPD patients could well be an under-estimate with the real number up to THREE times higher!





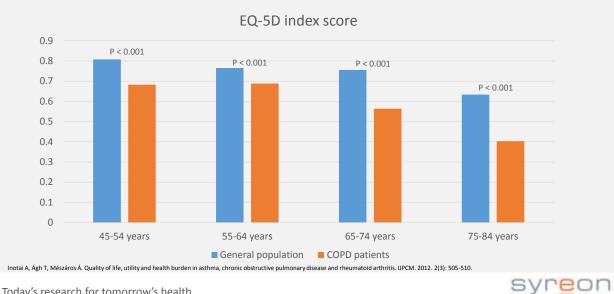
Study on the humanistic burden of COPD

• Cross-sectional study

	COPD	
Study sample, n	214	
Age, mean (SD)	64,1 (10,8)	
Female, n (%)	113 (52,8)	
Disease severity, %	GOLD	
	Mild	5.6
	Moderate	24.3
	Severe	50.0
	Very severe	20.1

Inotai A, Ágh T, Mészáros Á. Quality of life, utility and health burden in asthma, chronic obstructive pulmonary disease and rheumatoid arthritis. IJPCM. 2012. 2(3): 505-510.





Effect of COPD on quality of life

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QALY loss due to COPD in Hungary (1)

- QALY loss = health loss (HL) + year of life lost (YLL)
 - HL (age/gender specific) =

number of COPD patients x utility decrement due to COPD

• YLL (age/gender specific) = number of COPD patients x mortality x life expectancy x utility

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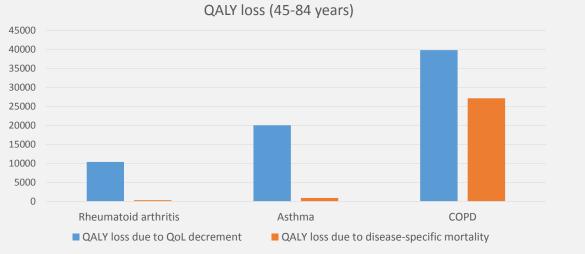
QALY loss due to COPD in Hungary (2)

COPD			
QALY loss due to QoL decrement	Male (45-84 years)	21,312	
	Female (45-84 years)	18,473	
QALY loss due to disease-specific mortality	Male (45-84 years)	16,193	
	Female (45-84 years)	10,933	
Total annual QALY loss (45-84 years)		66,911	

Inotal A, Ágh T, Mészáros Á. Quality of life, utility and health burden in asthma, chronic obstructive pulmonary disease and rheumatoid arthritis. IJPCM. 2012. 2(3): 505-510.

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QALY loss due to COPD in Hungary (3)



Inotai A, Ágh T, Mészáros Á. Quality of life, utility and health burden in asthma, chronic obstructive pulmonary disease and rheumatoid arthritis. UPCM. 2012. 2(3): 505-510.

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Conclusions

- Many COPD patients are undiagnosed until late in their disease course
- Early diagnosis of COPD is key -> may offer the best chance at mitigating the substantial morbidity and mortality associated with COPD
- Besides its significant clinical burden, COPD contributes a considerable health burden (QALY loss) to Hungarian society
- Facilitate multi-stakeholder collaboration (physicians, patients, pharma industry, and government) for improving the disease management both by optimising treatment and inducing preventive behavioral changes

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