

Mise českých intervenčních kardiologů v Bulharsku je u konce

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P. Widimský, T. Vekov





Bulharsko

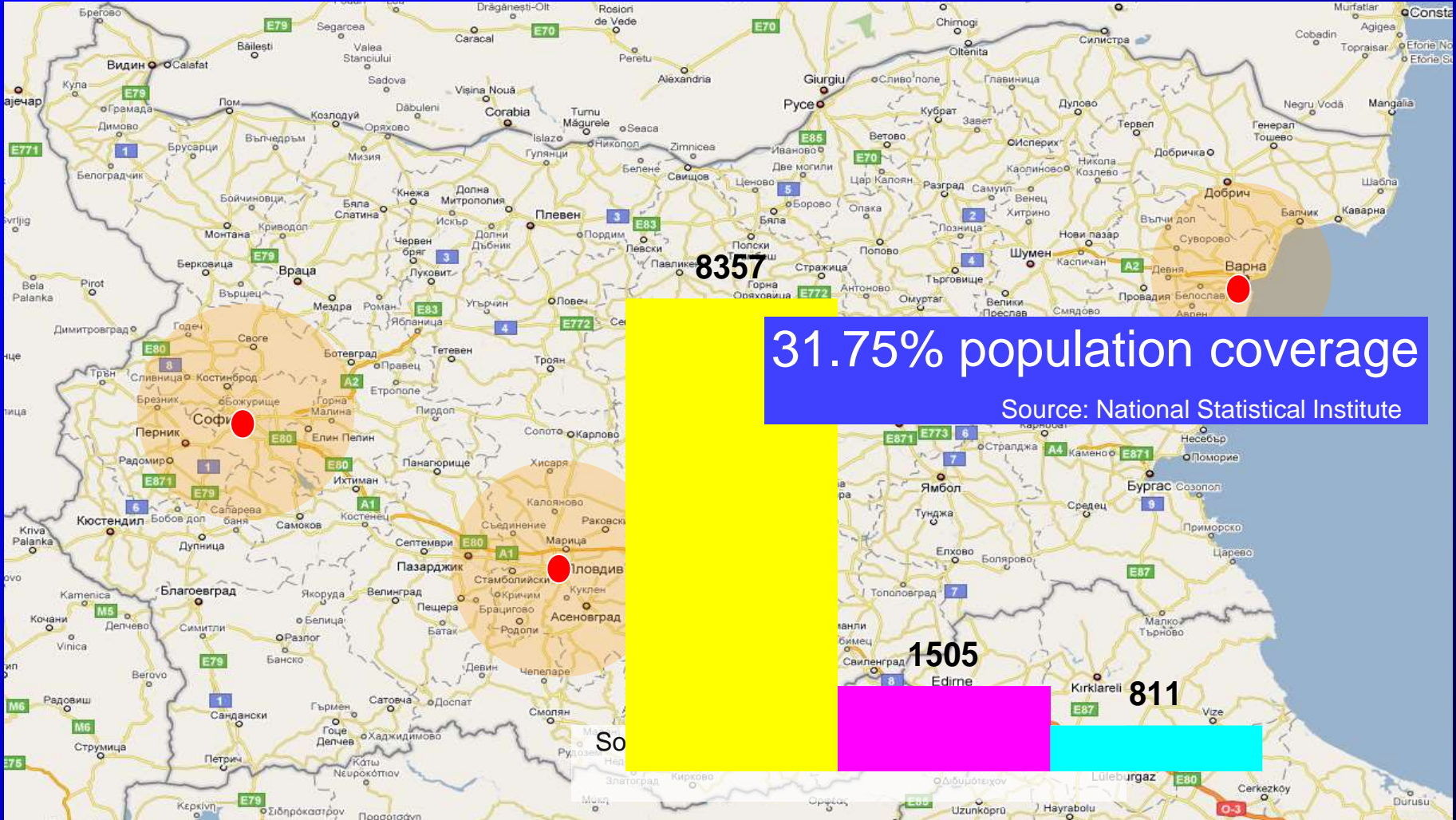


Rozloha – 110, 910 km²
Obyvatelstvo - 7.047.010*





PPCI centra v Bulharsku v r. 2007



Neparin

TL

PPCI

Reperfusion of hospitalized STEMI patients 2007

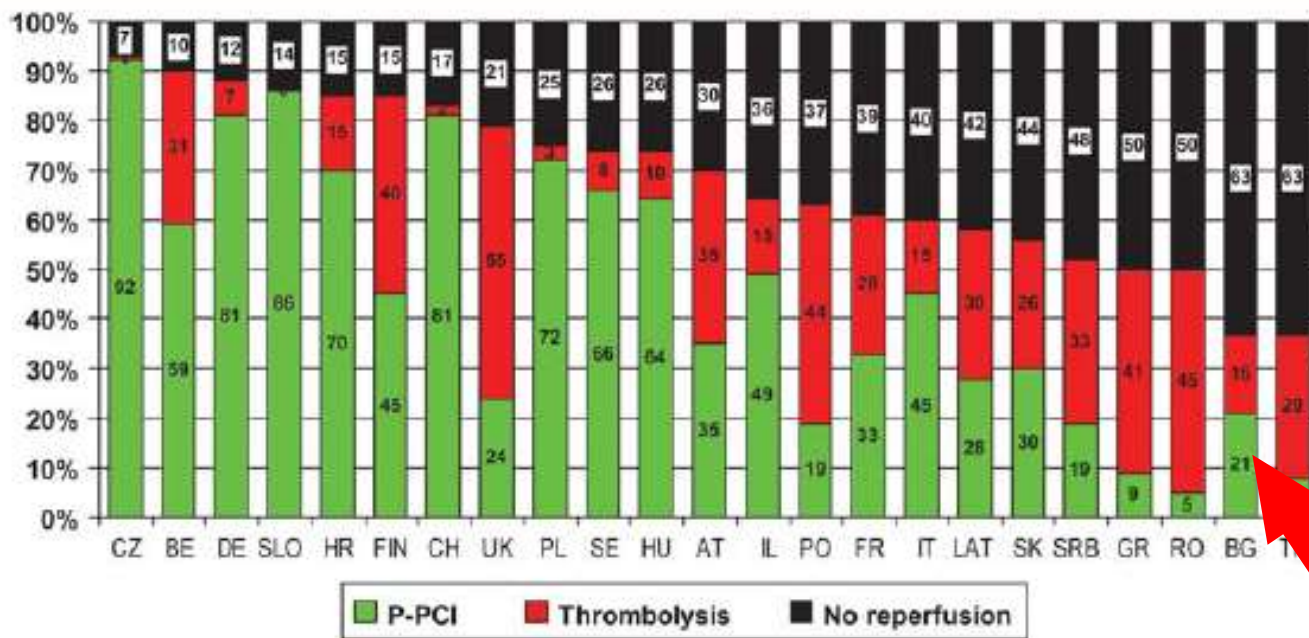


Figure 1 Hospitalized STEMI treatment in Europe (data from national registries or surveys). 100%, all hospitalized STEMI patients in each given country; green colour, STEMI patients treated by primary PCI; red colour, STEMI patients treated by thrombolysis; black colour, STEMI patients not treated with any reperfusion. Countries abbreviations: CZ, Czech Republic; SLO, Slovenia; DE, Germany; CH, Switzerland; PL, Poland; HR, Croatia; SE, Sweden; HU, Hungary; BE, Belgium; IL, Israel; IT, Italy; FIN, Finland; AT, Austria; FR, France; SK, Slovakia; LAT, Latvia; UK, United Kingdom; BG, Bulgaria; PO, Portugal; SRB, Serbia; GR, Greece; TR, Turkey; RO, Romania.

Dr. Tihomir Kamenov a prof. Mladen Grigorov





UniCardio Clinic Pleven





Welcome
in
Uni CardioClinic
Plevan

29 9 2007



Slavnostní otevření

Grigorov

Widimsky

Ferrari

Mauri

Pezzano



Veliko Tarnovo



Pleven



Češi v Bulharsku – začátek 21. století



20 int. kardiol.
8 nem.



Czech interventional cardiologists in BG - 20

- Brno team
 - Groch L, Hlinomaz O, Novák M, Rezek M, Semenka J, Sitar J
- Prague team
 - Horák J, Šimek S, Kovárník T, Řezníček V, Brtko M, Bělohlávek J, Surovčík R, Widimský P
- Zlín team
 - Coufal Z, Gřiva M, Náplava R, Fiala T, Blaško P, Štípal R



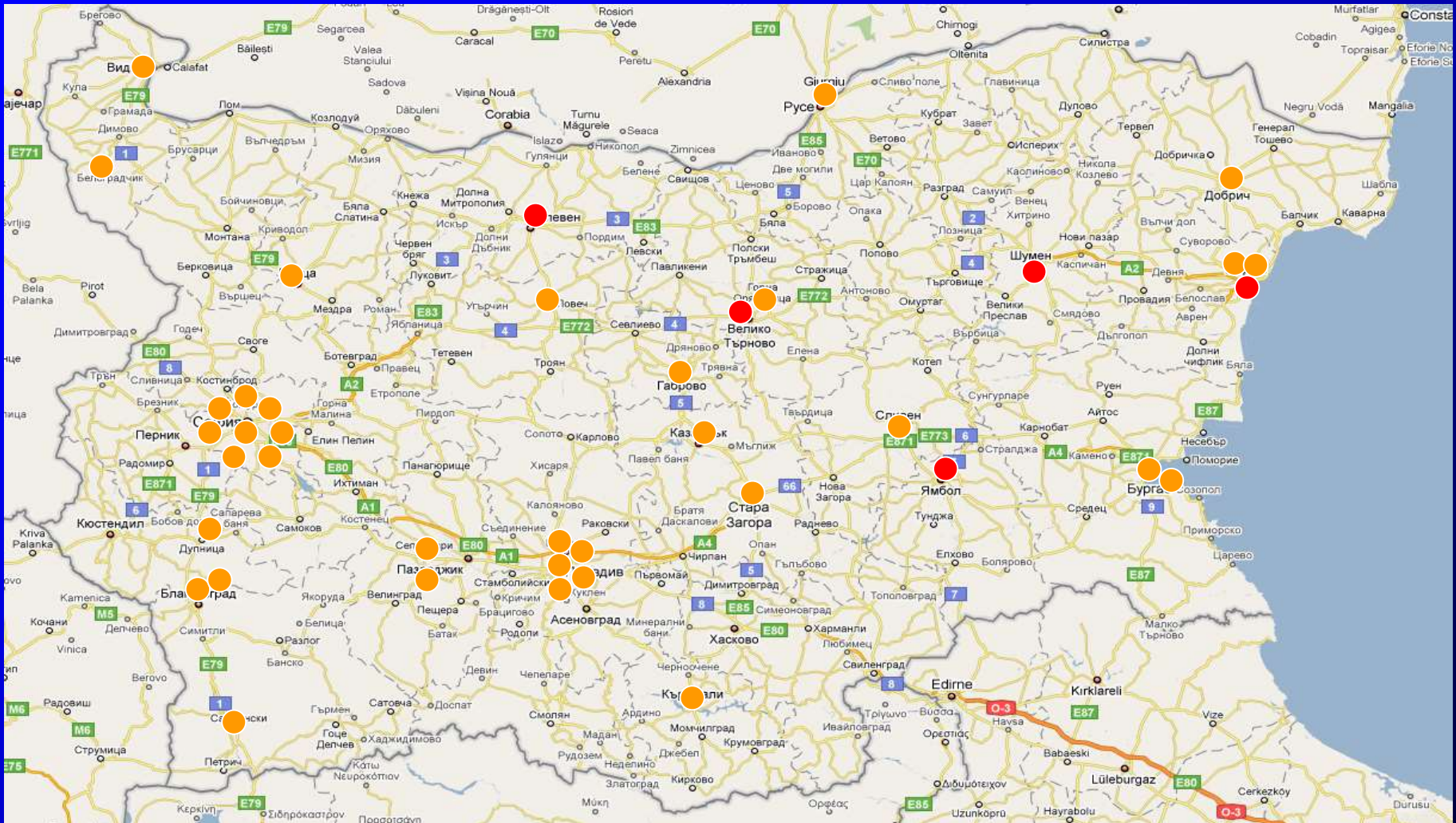
HEART AND BRAIN HOSPITAL, PLEVEN



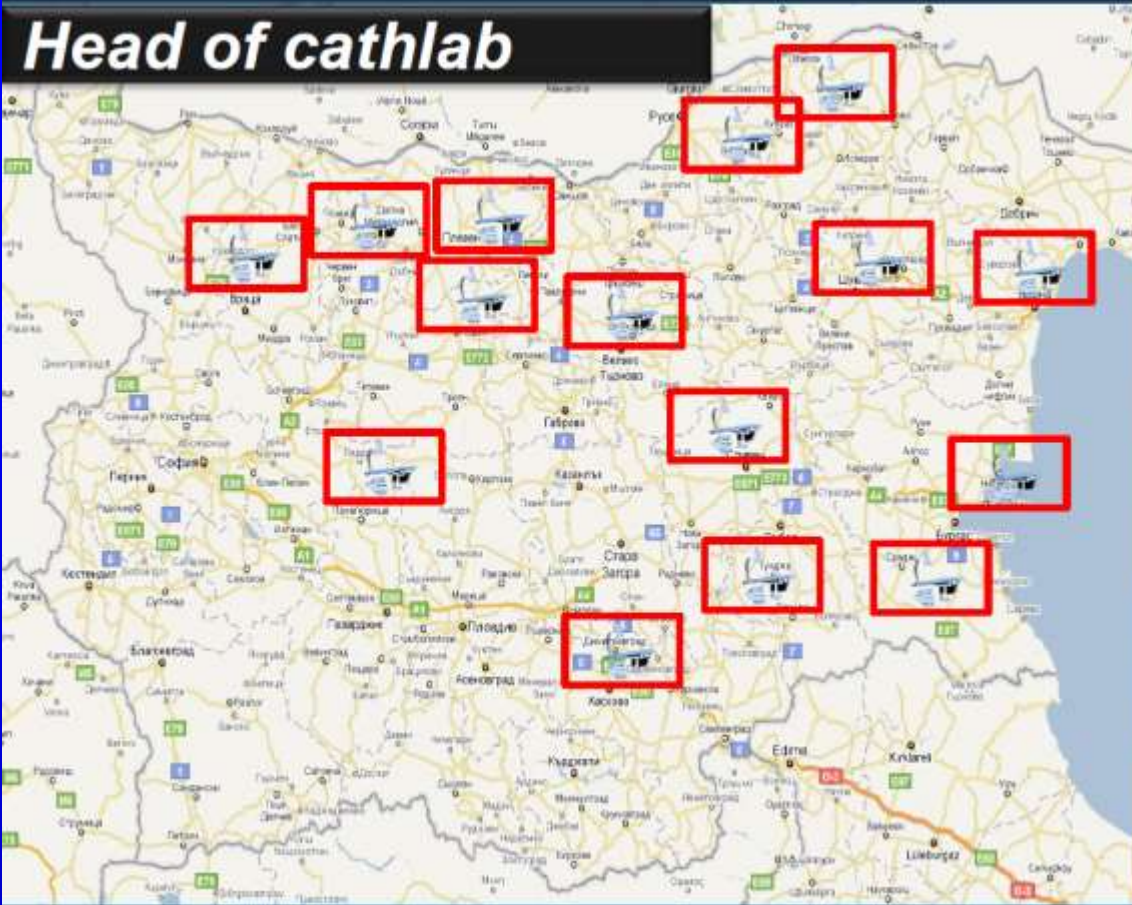


45 PCI center v Bulharsku v r. 2013

1 centrum na 178000 obyv.

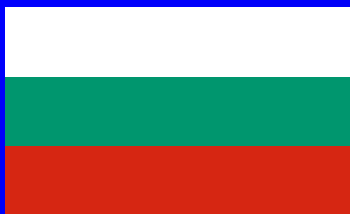


Výchova intervenčních kardiologů



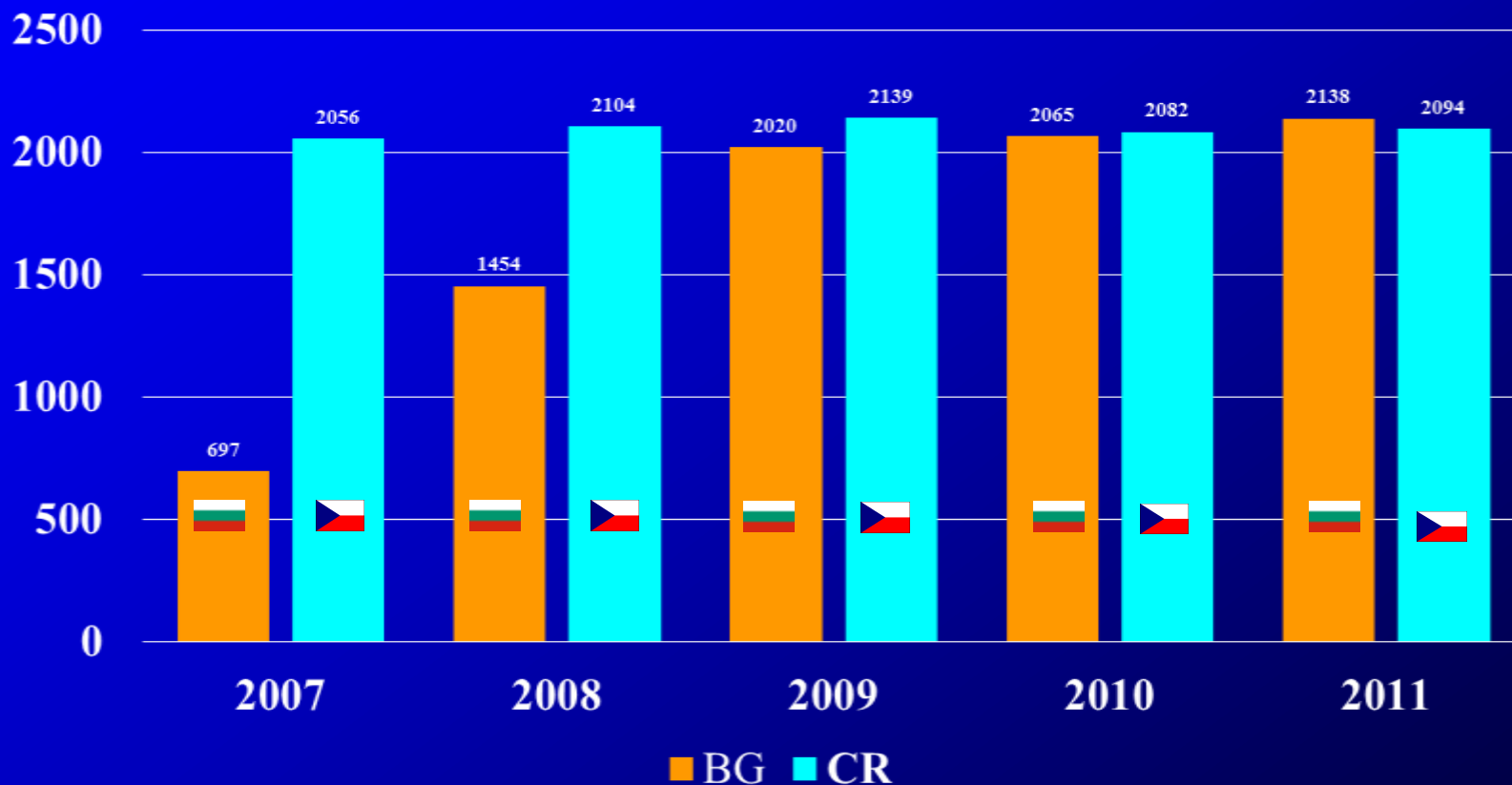
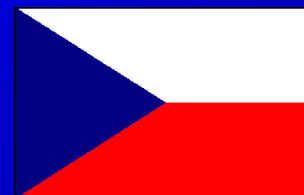
BCI 4.9.2007-31.12.2017

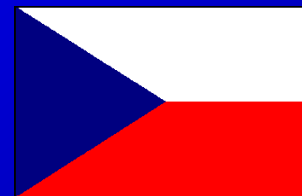
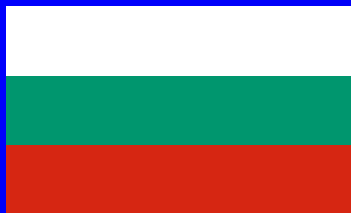
	koronaro	PCI	stent	
Pleven	28164	10529	12233	4.9.2007-31.12.2017
Veliko Tarnovo	20198	7019	8160	1.4.2009-31.12.2017
Varna	23757	7952	10500	1.3.2009-31.12.2017
Šumen	8263	2708	3927	1.3.2013-31.12.2017
Jambol	25297	10394	12099	1.1.2009-31.12.2017
	105679	38602	49919	



Bulgarsko vs ČR

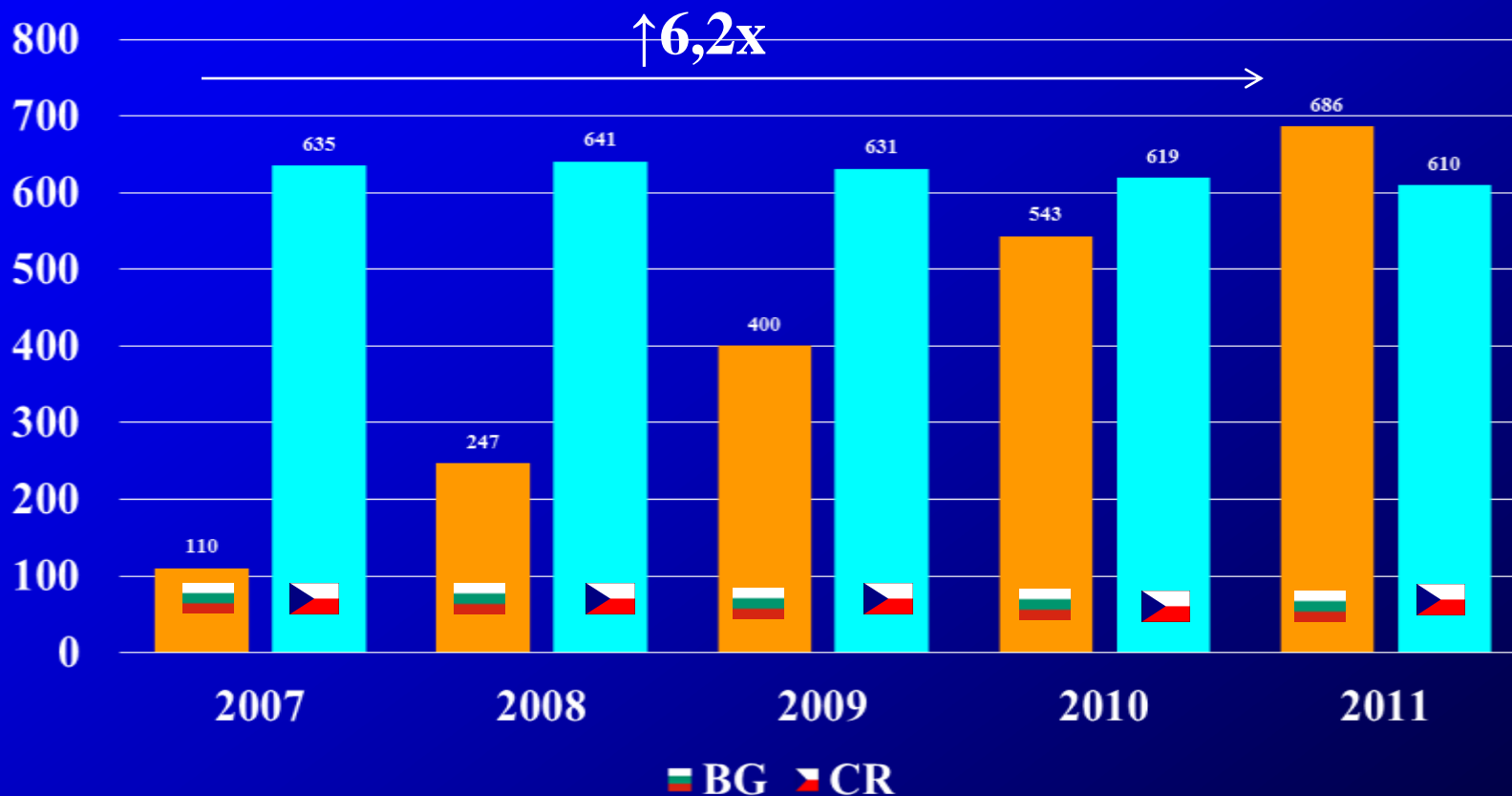
PCIs/1 mil. obyv.







Bulharsko vs ČR

PPCI STEMI/1 mil. obyv.



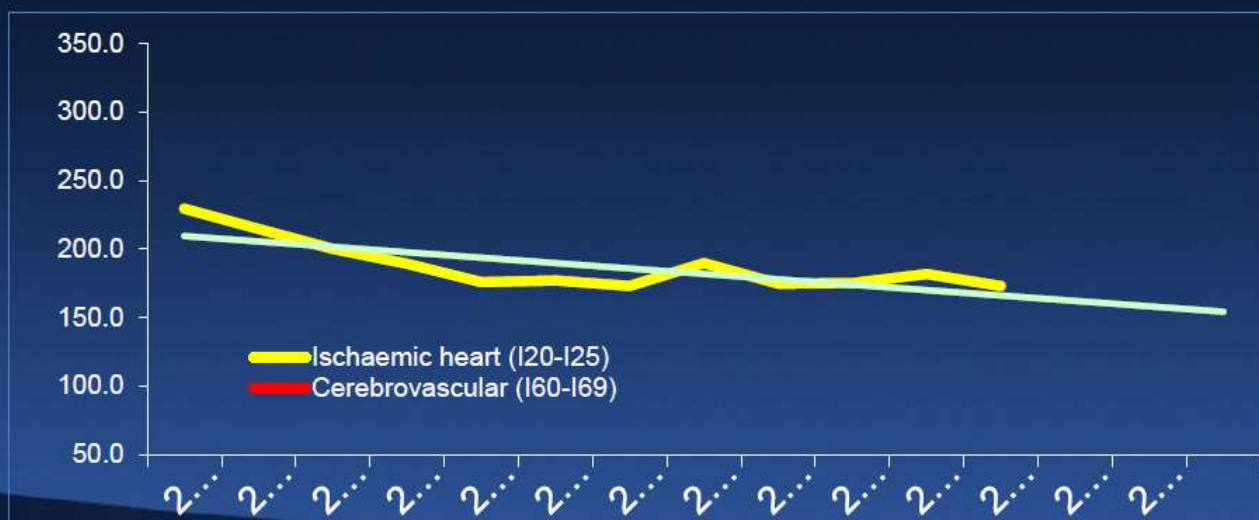
 CZ: PPCI for STEMI (<24hrs)
 BG: PCI for acute STEMI

Pokles mortality na ICHS

MORTALITY BY CAUSES, 2005 - 2016 ^{1, 2}			Bulgaria Total for the country									
No by 100000 persons	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Ischaemic heart (I20-I25)	229,4	214,5	200,0	189,2	175,7	176,9	172,9	189,6	174,5	175,1	181,8	172,9



REPUBLIC OF BULGARIA
National statistical institute



Programs

Carotid

CTO

Structural

Stroke



Závěr

- **Velký pokrok v intervenční léčbě ICHS v BG v posledních 10-ti letech**
- **PCI je dostupná všem**
- **Ve špičkových centrech evropská kvalita**
- **Horší přednemocniční a ambulantní péče**
- **Velká zásluha českých kardiologů**





Časové intervaly

200 pac. STEMI 2013



median

• Steno – PCI	6:35h	3:42h
• Steno – ECG	5:25h	2:12h
• EKG – PCI	1:10h	1:30h
• ECGout – PCI	1:50h	1:35h
• cathlab – PCI	0:35h	0:32h