



The Eucomed Monitorings in Europe

EHRA Summit,

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Member of the Eucomed Board of Directors

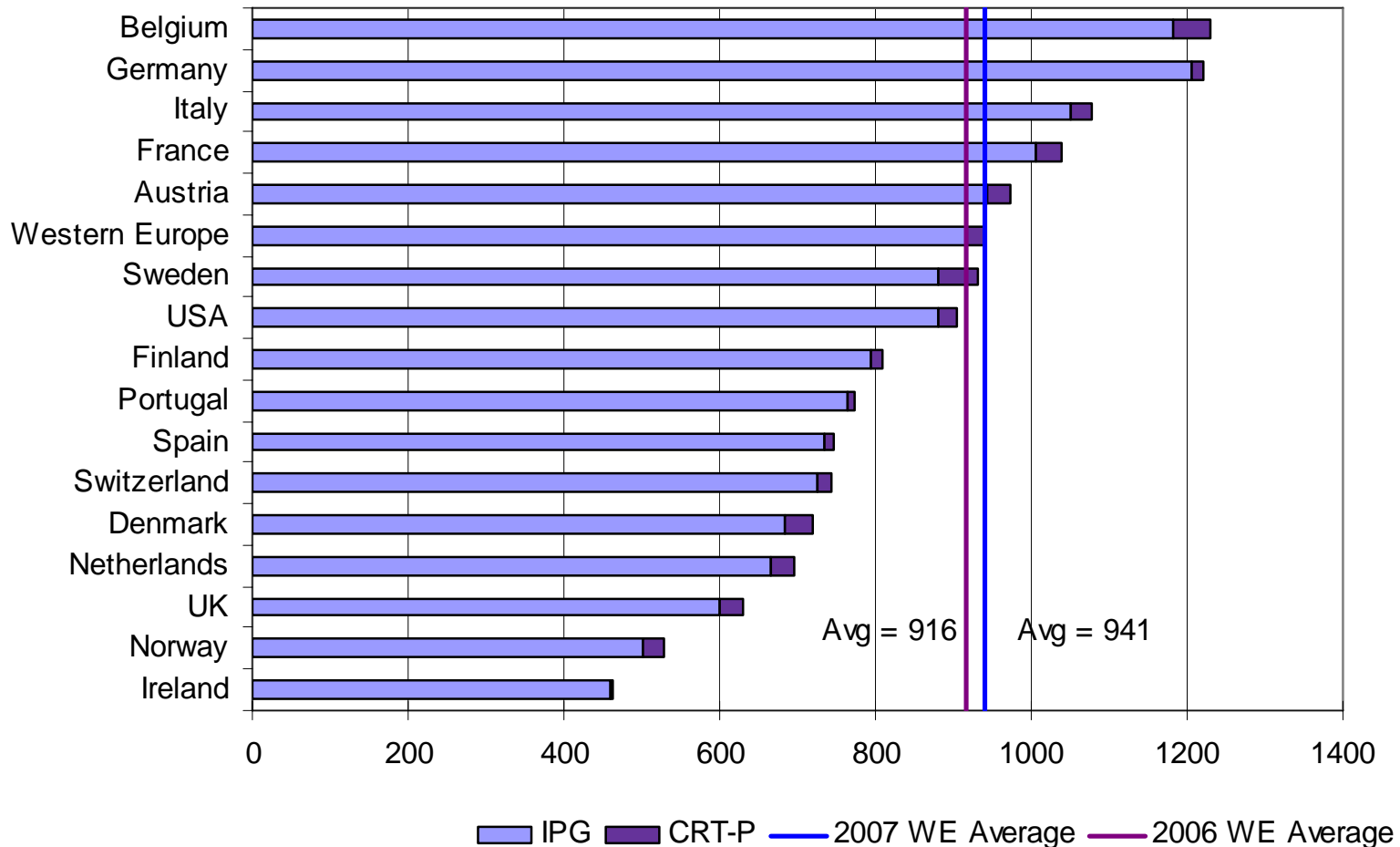
Eucomed: - Voice of Medical Technology

- ❑ European Medical Technology Industry Trade Association
- ❑ Field: Prevention, treatment and amelioration of disease and disability
- ❑ Eucomed represents:
 - 4500 companies
 - Total Employment 435,000 people. (2007)
 - Total revenue of member companies; 63.6 bn Euros
- ❑ Board of Directors: Corporate and Association representatives

Eucomed Monitorings of CRM Devices

- ❑ Started in 2003 - present
- ❑ Annual collection from the different device manufacturers till end 2004
- ❑ Quarterly since Q1-2005
- ❑ Result:
 - Implants per million inhabitants per country - European countries
 - ICD, CRT-P, CRT-D, IPGs

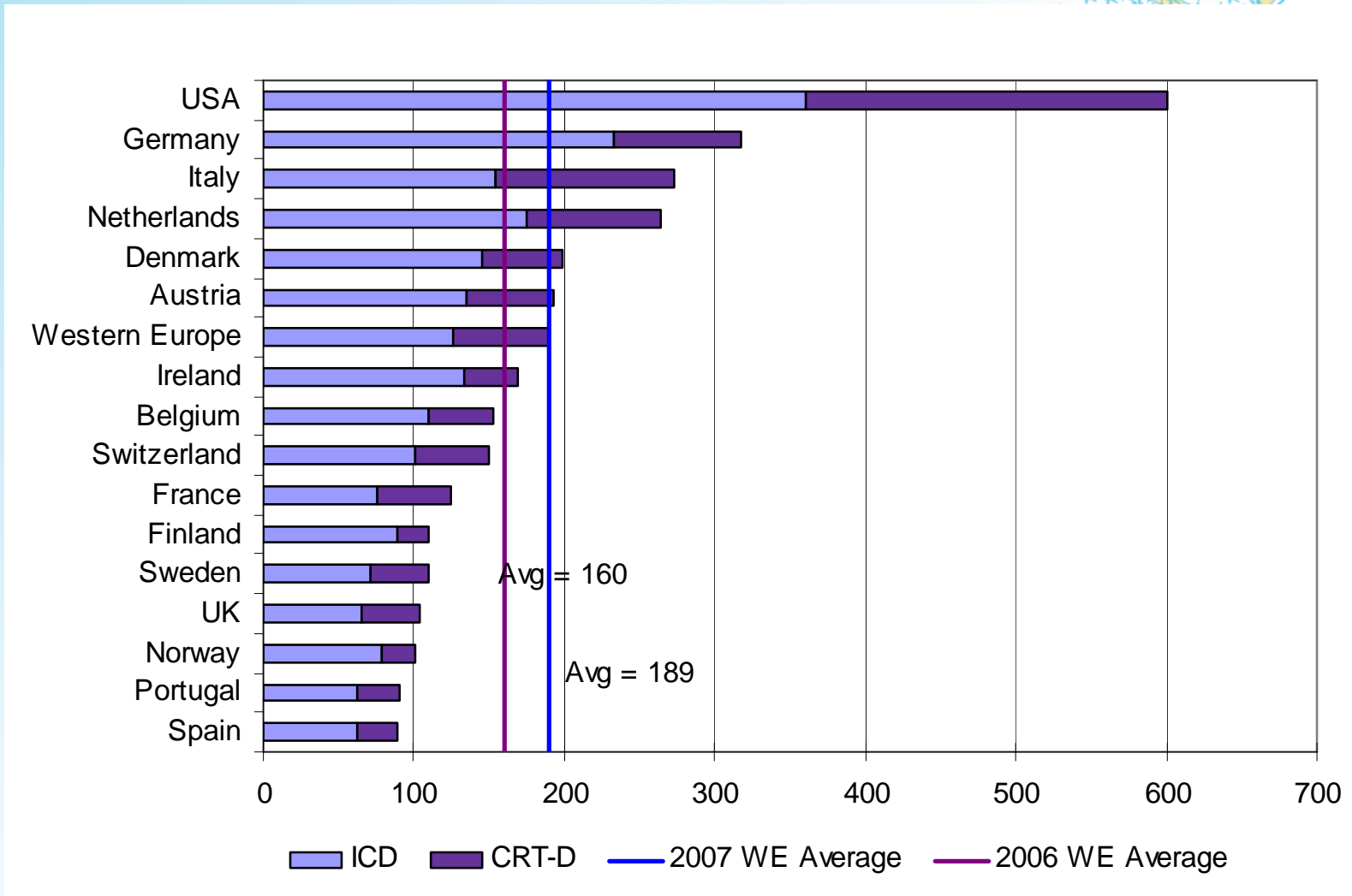
Low Power Devices - Implant per Million Inh



The 2008 Preliminary data cannot to be shared, and has been replaced with the 2007 data

Final implant rates for 2008 will be available on Eucomed website 

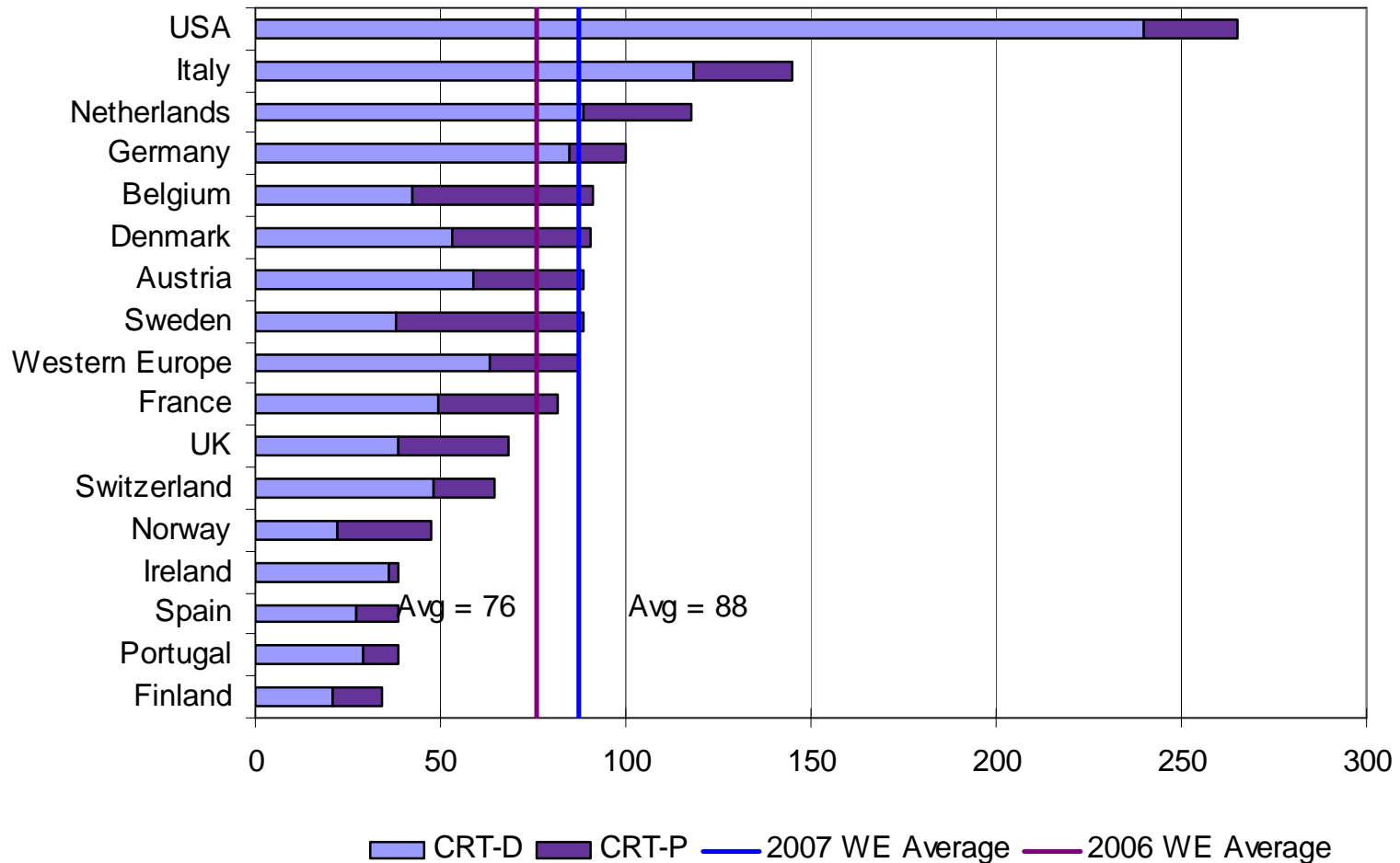
High Power Devices - Implants per Million Inh



The 2008 Preliminary data cannot to be shared, and has been replaced with the 2007 data

Final implant rates for 2008 will be available on Eucomed website  **Medtronic**

CRT Devices - Implants per Million Inh

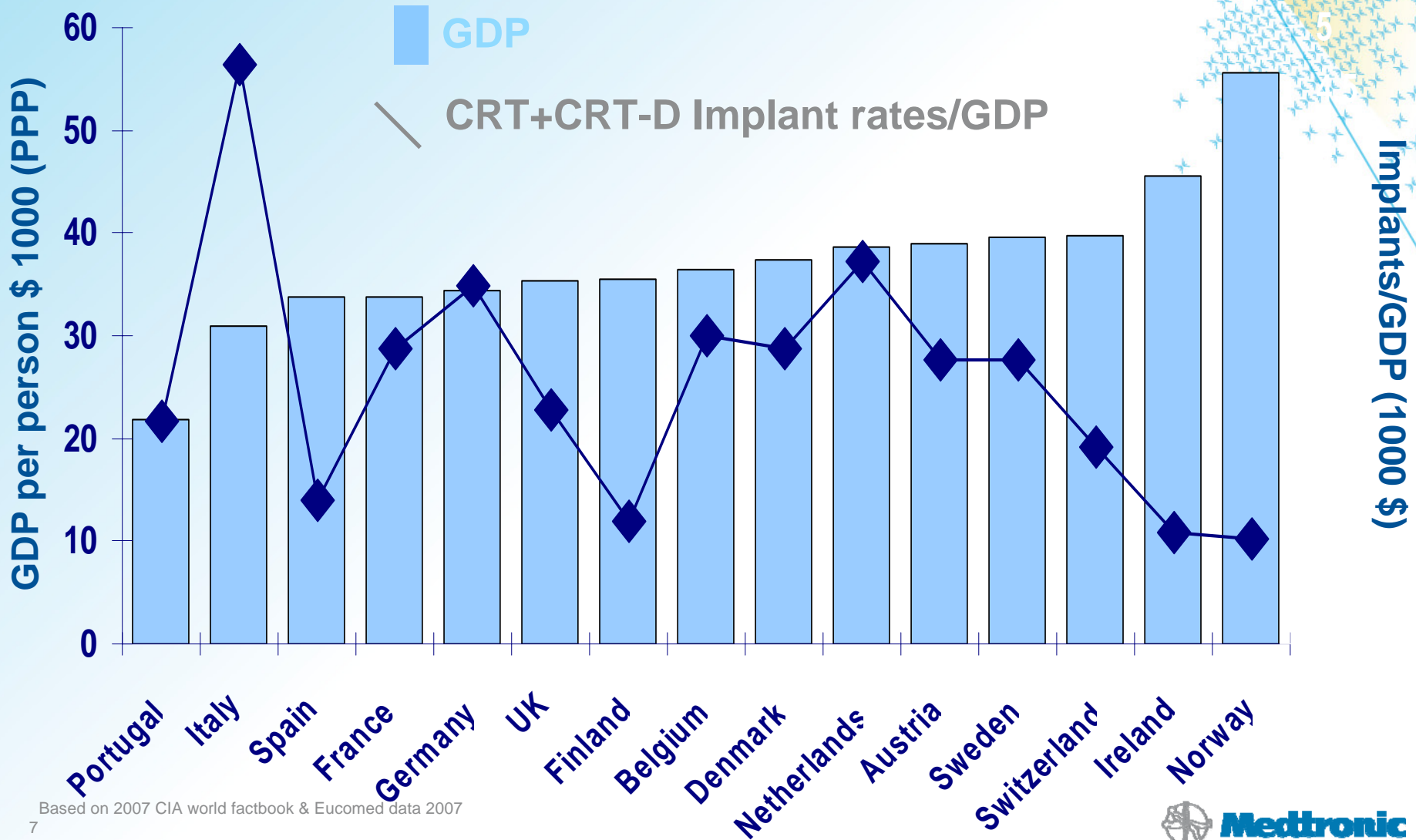


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Weak link between wealth and CRT implant rates



Based on 2007 CIA world factbook & Eucomed data 2007

ICD Therapy in Western Europe:

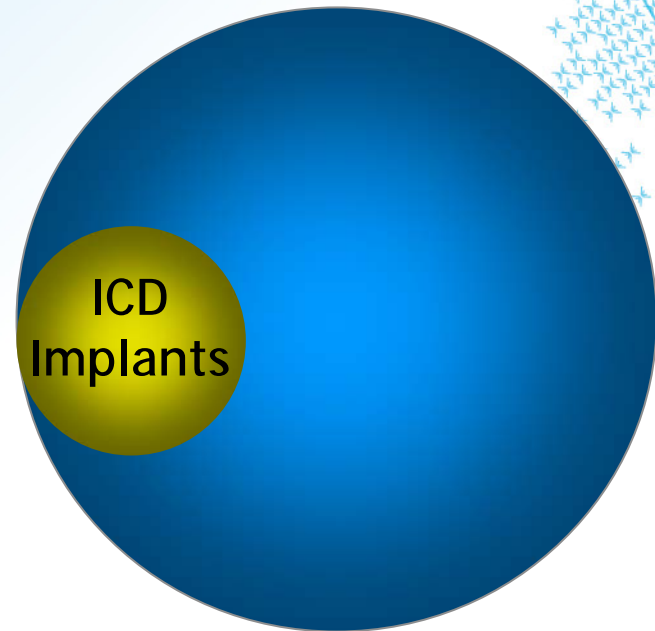
- ◆ SCD is a leading cause of death in Western Europe - more than stroke, AIDs, lung or breast cancer ~400.000 deaths/year¹
- ◆ Patients at risk are identified by the guidelines²
- ◆ >85% of European indicated patients according to the ESC HF 2008 guidelines did not get a device³

1. Priori S.G. et al. Task Force on Sudden Cardiac Death, European Society of Cardiology - Summary of recommendations. *Europace*. 2002; 4: 3-18

2. HF2008 ESC Guidelines

3. Medtronic Data on File Jan 2008

Western Europe

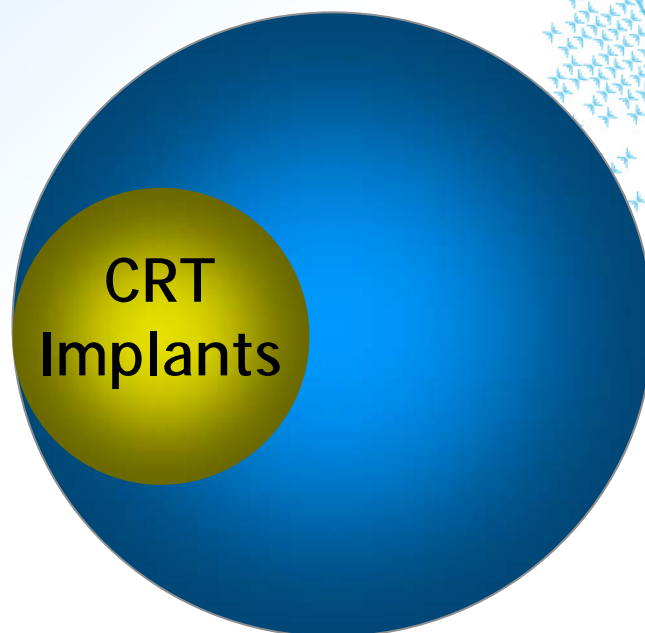


< 15% have access³

CRT Therapy in Western Europe

- ◆ Heart Failure is a major cause of death and hospitalizations in Europe¹
- ◆ Patients who benefit from CRT devices are identified by the guidelines²
- ◆ The risk of being hospitalised for worsening HF is reduced by 52% by CRT³
- ◆ >75% of European indicated patients according to the ESC HF 2008 guidelines did not get a device⁴

Western Europe



< 25% have access⁴

1. Priori S.G. et al. Task Force on Sudden Cardiac Death, European Society of Cardiology - Summary of recommendations. *Europace*. 2002; 4: 3-18

2. HF 2008 ESC Guidelines

3. Cleland. *NEJM* 2005;352: 1539-1549

4. Medtronic Data on File Jan 2008

CRM Devices in Calendar Year 2008

Huge disparity between countries and also within countries

Patients treated during this year:

- ❑ IPG: 127,586;
- ❑ ICD (excl CRT-D): 18,119; CRT: 14,815
- ❑ Growing at 8%

But untreated patients remain > 80%

- ❑ Less than 15% ICD eligible patients received an ICD
- ❑ Less than 25% CRT eligible patients received a CRT device.

Out of Hospital Sudden Cardiac Arrest

- ❑ Even out of hospital SCA patients may go untreated¹
- ❑ For Western Europe, this would mean:
 - 7,000 patients² are
 - Admitted for SCA
 - Discharged without an ICD when they may need it

¹Sterk B et al, Europace. 2004 May;6(3):179-83

² Calculated based on

Sterk B et al, 5% National average survival - US, and Priori S.G. et al. Task Force on Sudden Cardiac Death, European Society of Cardiology -

¹Summary of recommendations. Europace. 2002; 4: 3-18

EHRA

- ❑ Will EHRA play a role in reducing the number of untreated indicated patients in Europe?
- ❑ How can Eucomed help?

Thank you

