



# The Eucomed Monitorings in Europe

**EHRA Summit,**

Heart House, Sophia Antipolis, March 16<sup>th</sup>, 2009

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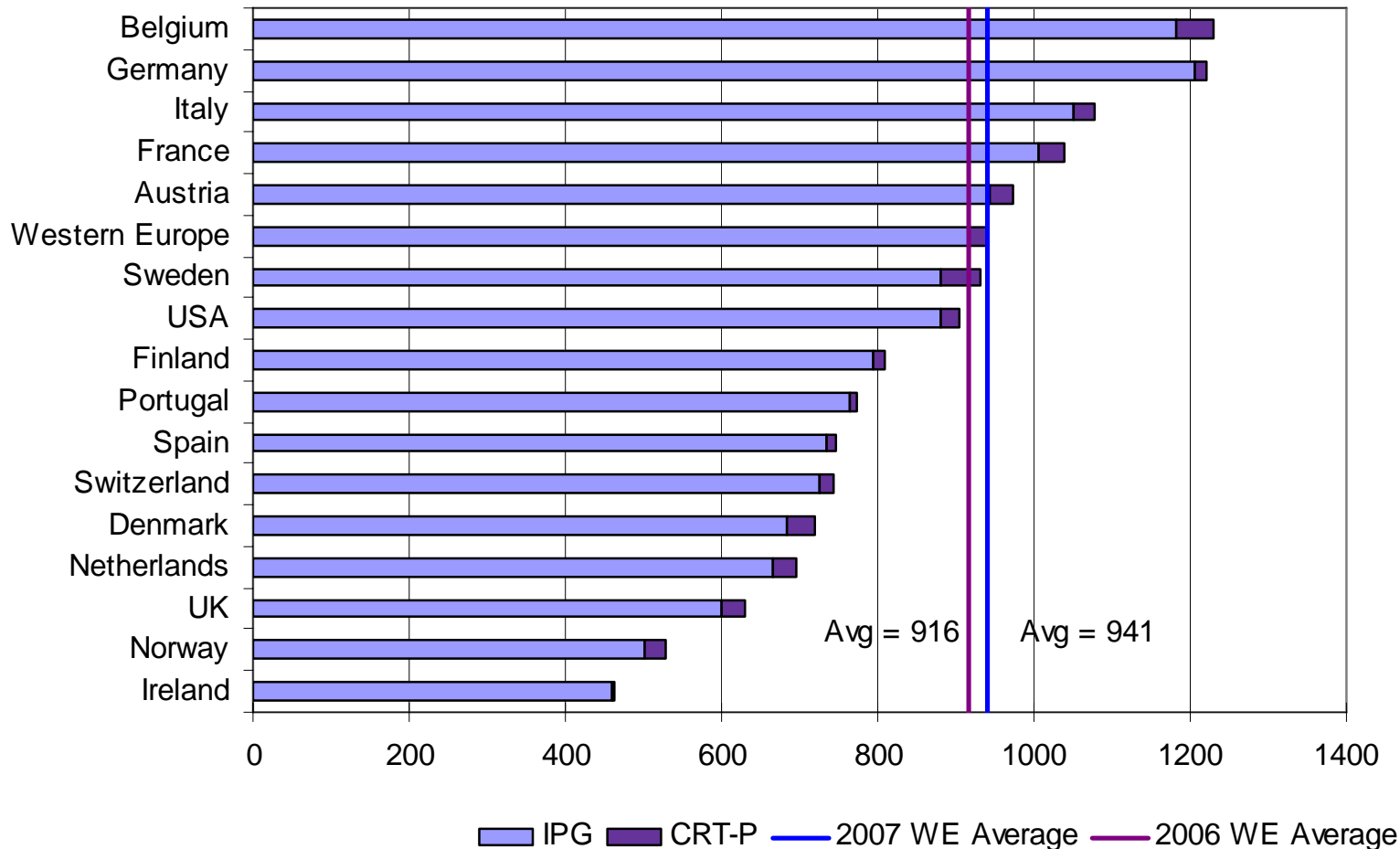
## Eucomed: - Voice of Medical Technology

- ❑ 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

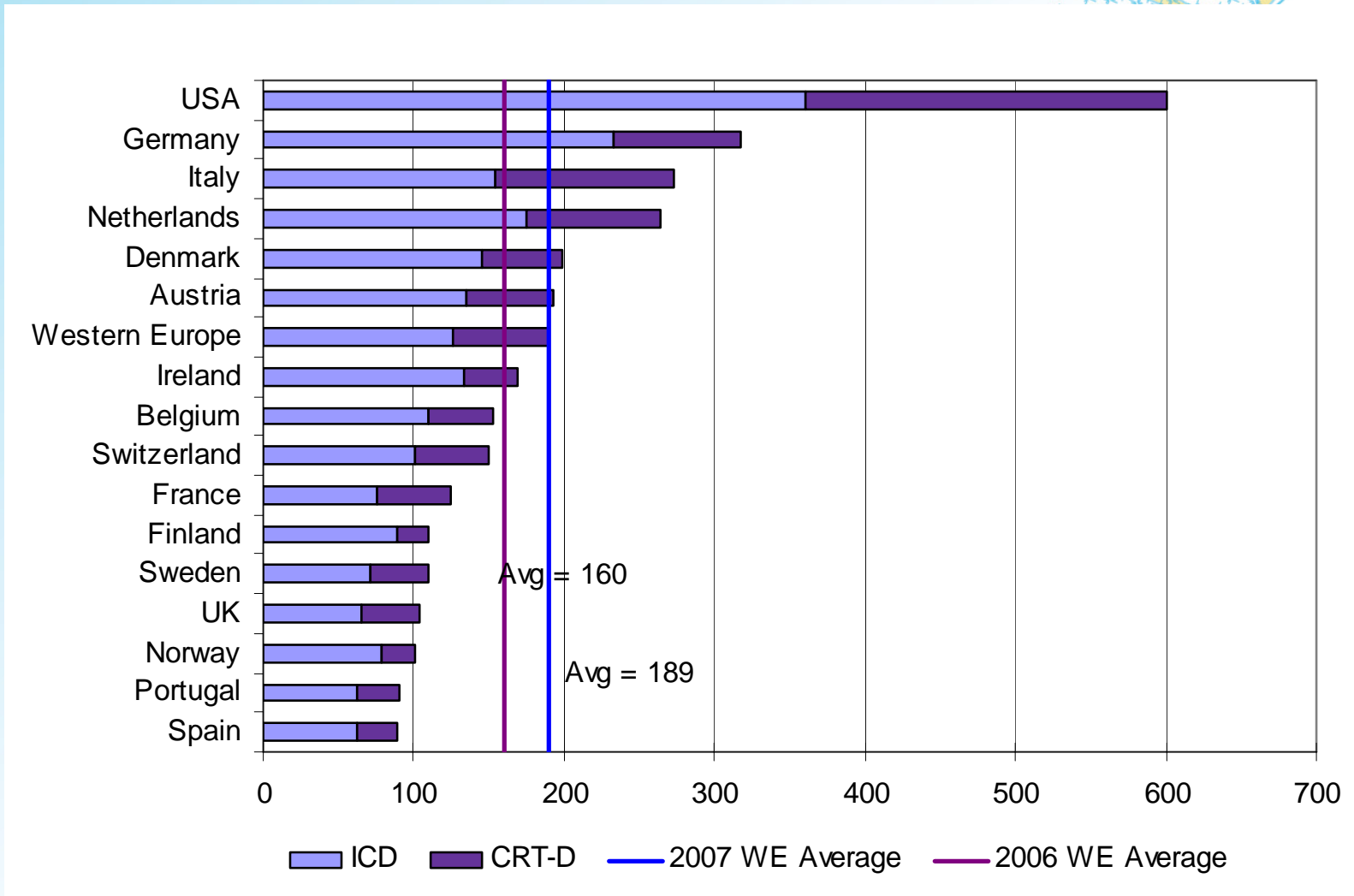
# Low Power Devices - Implant per Million Inh



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 

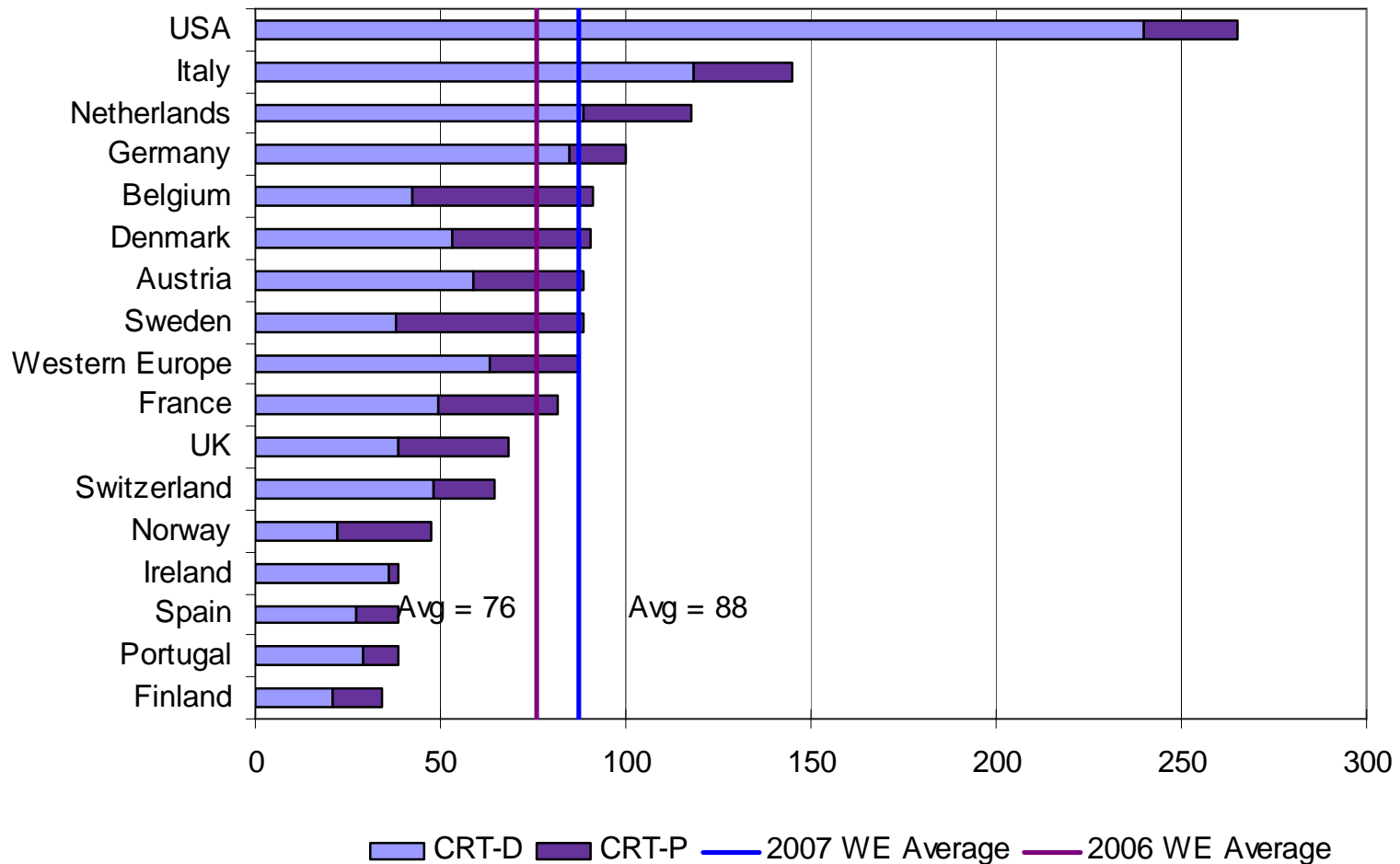
# High Power Devices - Implants per Million Inh



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

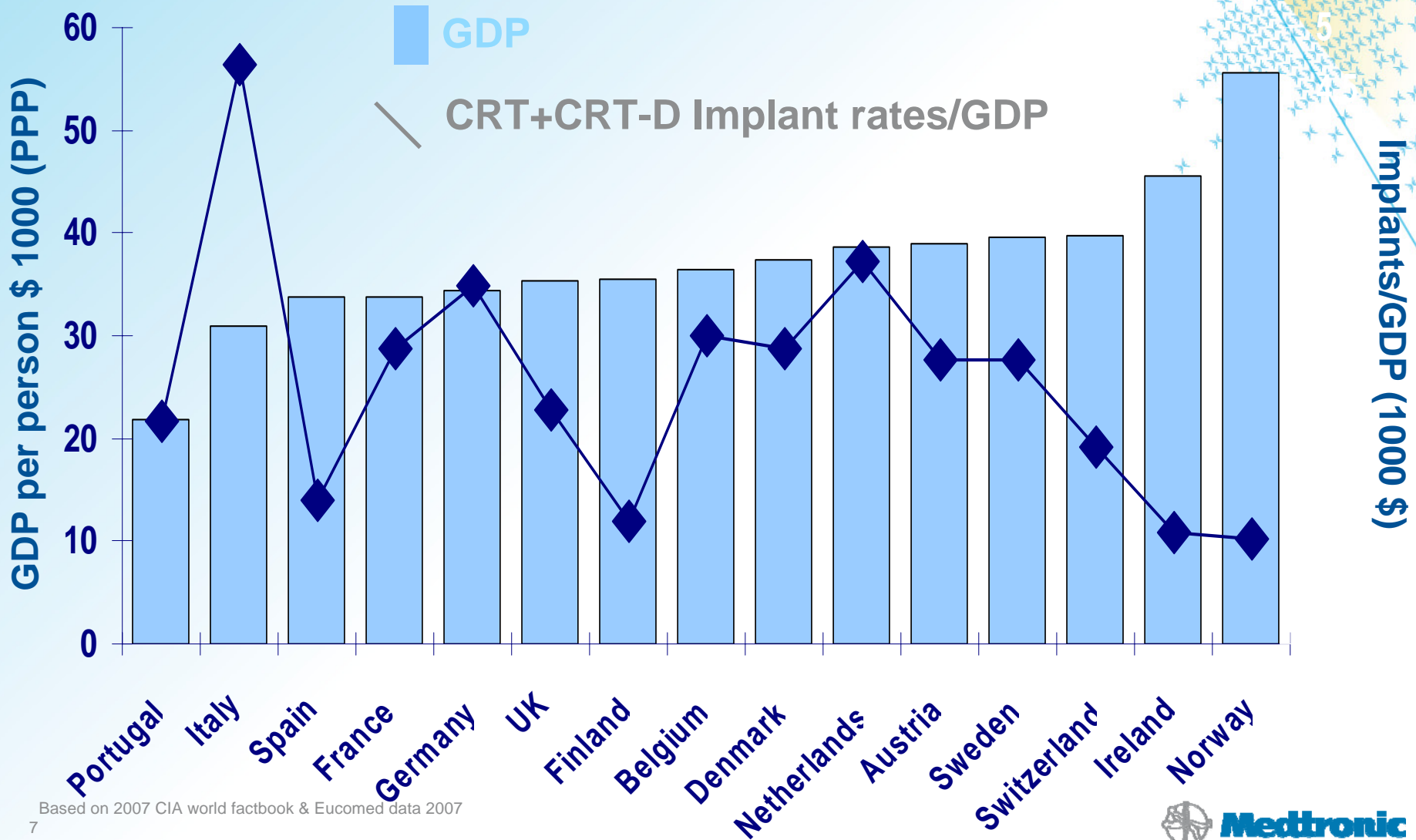


The 2008 Preliminary data cannot be shared, and has been replaced with the 2007 data

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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:

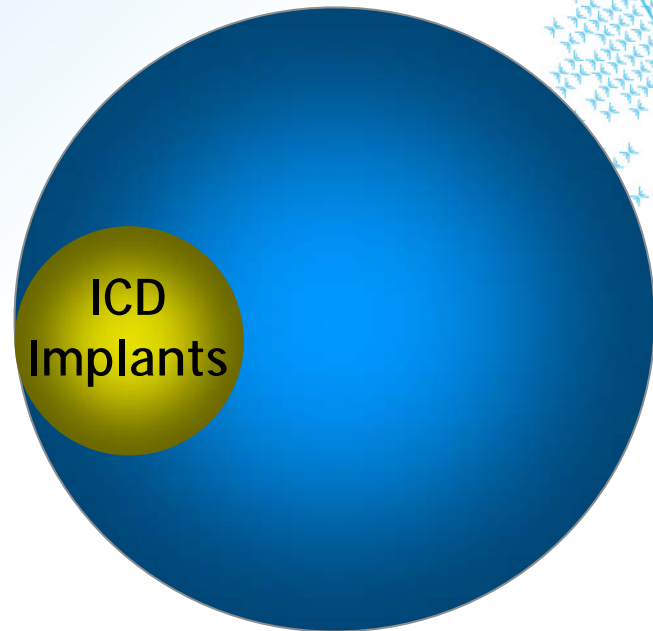
- ◆ SCD is a leading cause of death in Western Europe - more than stroke, AIDs, lung or breast cancer ~400.000 deaths/year<sup>1</sup>
- ◆ Patients at risk are identified by the guidelines<sup>2</sup>
- ◆ >85% of European indicated patients according to the ESC HF 2008 guidelines did not get a device<sup>3</sup>

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



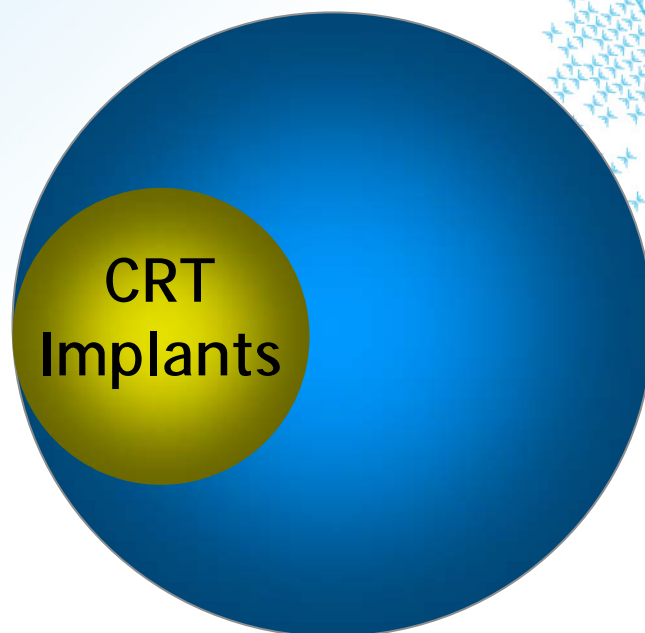
< 15% have access<sup>3</sup>



# CRT Therapy in Western Europe

- ◆ Heart Failure is a major cause of death and hospitalizations in Europe<sup>1</sup>
- ◆ Patients who benefit from CRT devices are identified by the guidelines<sup>2</sup>
- ◆ The risk of being hospitalised for worsening HF is reduced by 52% by CRT<sup>3</sup>
- ◆ >75% of European indicated patients according to the ESC HF 2008 guidelines did not get a device<sup>4</sup>

Western Europe



< 25% have access<sup>4</sup>

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 untreated<sup>1</sup>
- ❑ For Western Europe, this would mean:
  - 7,000 patients<sup>2</sup> are
    - Admitted for SCA
    - Discharged without an ICD when they may need it

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

<sup>2</sup> 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 -

<sup>1</sup>Summary 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

