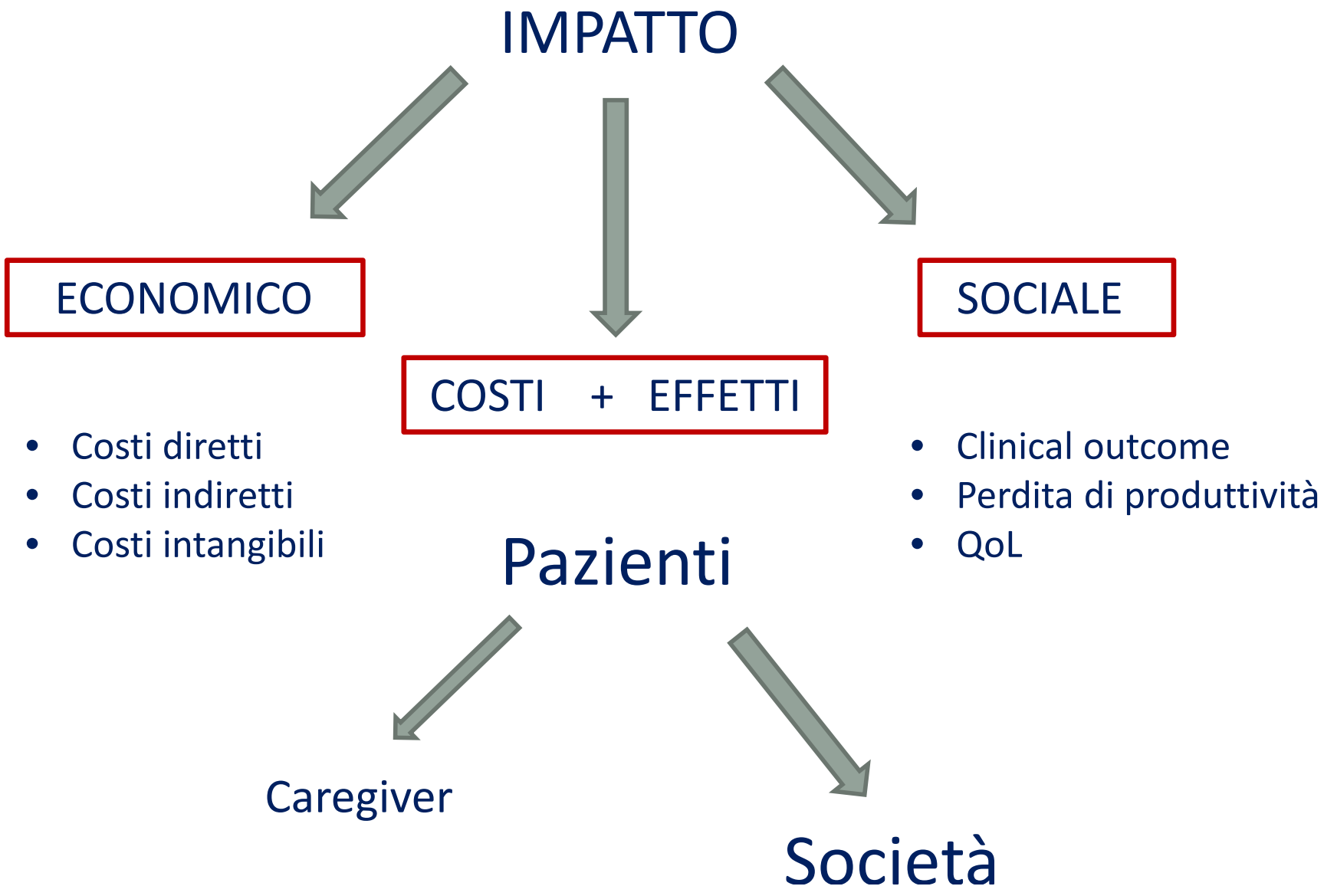
IMPATTO SOCIALE ED ECONOMICO DELL'IMPIEGO DEI DISPOSITIVI IMPIANTABILI

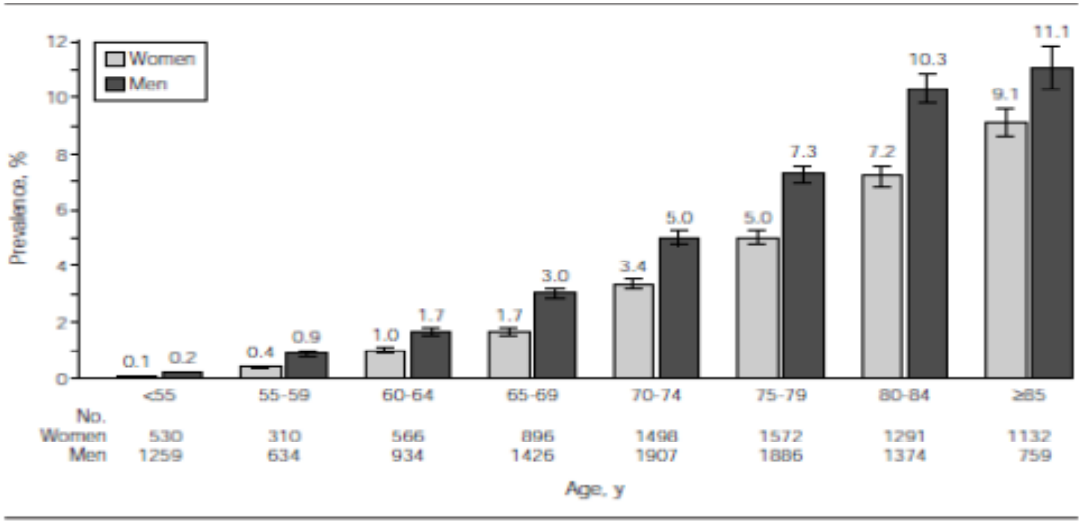
Francesca Borghetti

7 Novembre 2013 - Camera dei Deputati

Palazzo Marini


IMPATTO
ECONOMICO
COSTI + EFFETTI
SOCIALE
• Costi diretti
• Costi indiretti
• Costi intangibili
• Clinical outcome
• Perdita di produttività
• QoL
Pazienti
Caregiver
Società

Prevalenza della Fibrillazione Atriale stratificata per Età e Sesso*

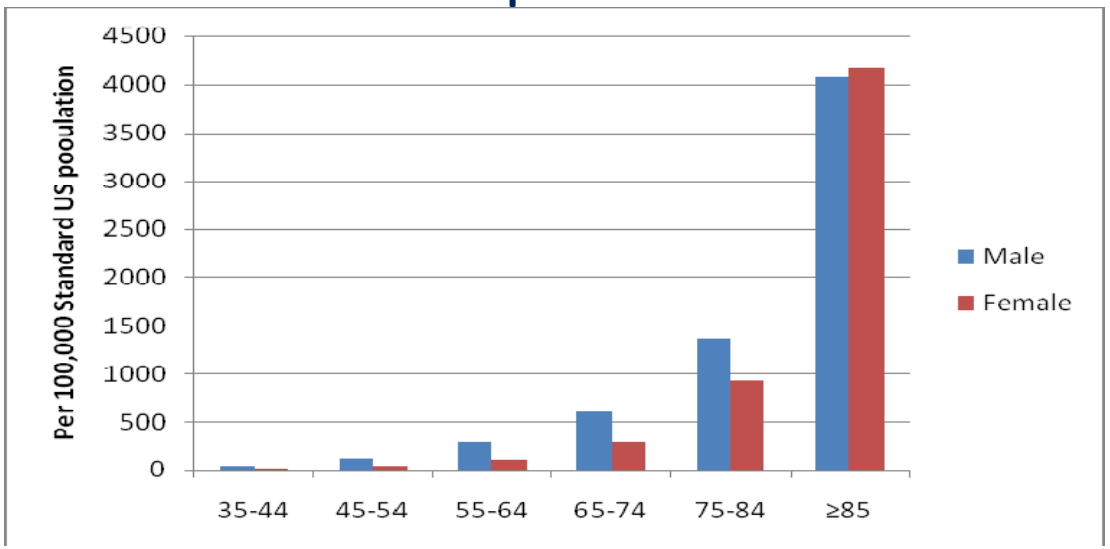


Errors bars represent 95% confidence intervals. Numbers represent the number of men and women with atrial fibrillation in each age category.

* JAMA, May 9, 2001—Vol 285, No. 18

- In un 'età compresa tra i 75 e gli 84 anni, 24 persone su 100 soffrono di **bradicardia** asintomatica* ; inoltre viene riscontrata bradicardia tra il 6% e il 25% in attacchi di cuore*

Prevalenza della Morte Cardiaca Improvvisa stratificata per Età e Sesso*



- Frequenza di **SCD** per 100,000 soggetti US (standardizzati) per diverse popolazioni di maschi e femmine (Zheng et al, 2001)

* Langridge et al, 2001; George et al, 1967; Adgey et al, 1968; Rotman et al, 1972; Meine et al, 2005 ;** Filippi et al, 2008; Vreede-Swagemarkers 1997-Gorgels 2003

COSTI & EFFETTI

«should be assessed **based on resources**, not reimbursement»*

Reale comparazione

DRG ≠ costi sostenuti

Regione ≠ Ospedale

«**overall cost** over the duration of therapy»*

Efficacy

Effectiveness

ICER

* Boriani et al, Health technology assessment in interventional electrophysiology and device therapy: a position paper of the European Heart Rhythm Association. European Heart Journal 2013

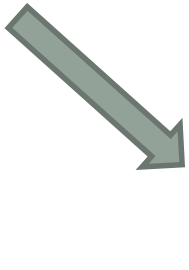
COSTI & EFFETTI

ICER per QALY*



USA

< $ 50,000



UK (NICE)

< GBP 15,000

Europa

< € 40,000

Costi – Clinical outcome*

- Equità
- Impatto organizzativo
- Implicazioni etiche

* Boriani et al, Health technology assessment in interventional electrophysiology and device therapy: a position paper of the European Heart Rhythm Association. European Heart Journal 2013

Qualità di vita

"If the aim was to optimize the use of all resources in public programs, an expanded QALY-type measure of well-being would clearly be useful" (Drummond et al. Toward a Consensus on the QALY. 2009)

Research Article

Depression Increases Stroke Hospitalization Cost: An Analysis of 17,010 Stroke Patients in 2008 by Race and Gender

Baqar Husaini,[1] Robert Levine,[2] Linda Sharp,[3] Van Cain,[1] Meggan Novotny,[1] Pamela Hull,[4] Gail Orum,[5] Zahid Samad,[1] Uchechukwu Sampson,[4] and Majaz Moonis[6]

[1] *Tennessee State University, Nashville, TN 37209, USA*
[2] *Meharry Medical College, Nashville, TN 37208, USA*
[3] *Harbor-UCLA Medical Center, Los Angeles, CA 90095, USA*
[4] *Vanderbilt University, Nashville, TN 37203, USA*
[5] *Charles R. Drew University, Los Angeles, CA 90059, USA*
[6] *University of Massachusetts, Boston, MA 01655, USA*

Italian Population-Based Values of EQ-5D Health States

Luciana Scalone, ScD, PhD[1,2,], Paolo A. Cortesi, PhD[1,2], Roberta Ciampichini, MSc[1], Andrea Belisari, MSc[1], Lucia S. D'Angiolella, PharmD[1], Giancarlo Cesana, MD[2], Lorenzo G. Mantovani, DSc[1,3]*

[1]*CHARTA Foundation, Milan, Italy;* [2]*Research Centre on Public Health (CESP), University of Milan-Bicocca, Monza, Italy;* [3]*Department of Clinical Medicine and Surgery, University Federico II of Naples, Naples, Italy*

CODING E DRG IN ITALIA

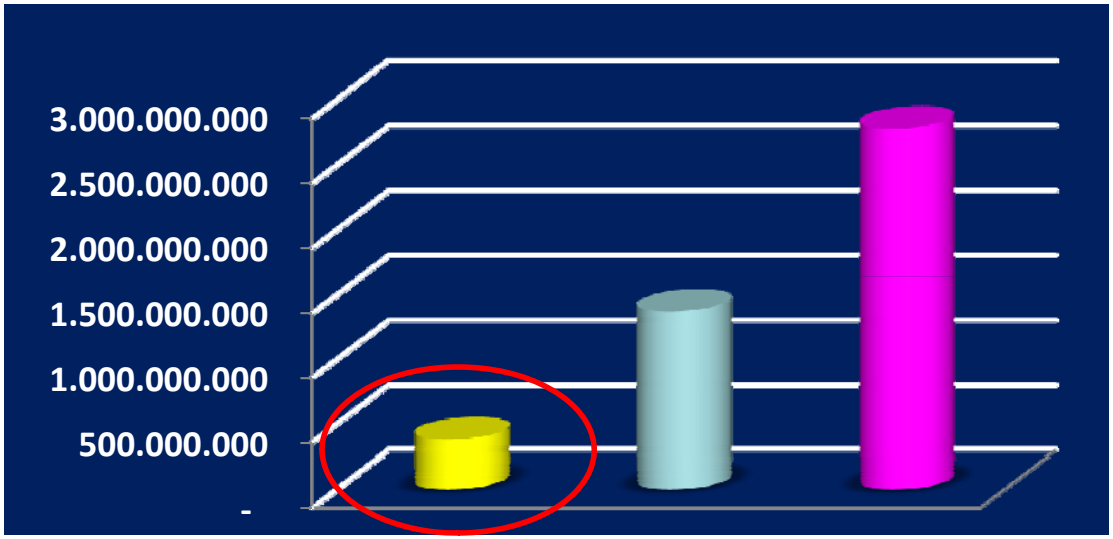


….CONSEGUENZE



IL COSTO REALE DELLA TERAPIA

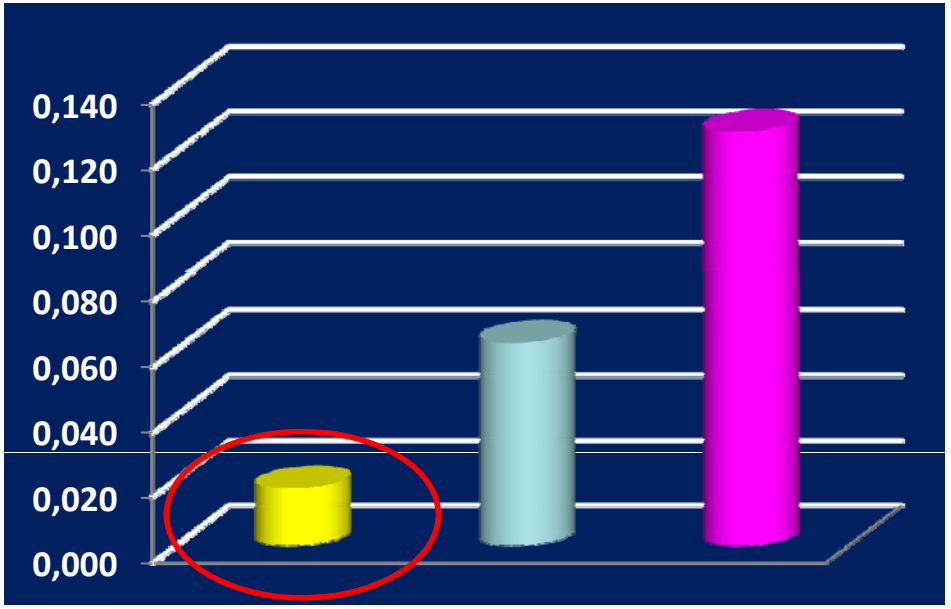
Spesa SSN 2010





Spesa giornaliera pro-capite 2010





(rapporto OSMED 2010; dati Ministero della Salute SDO 2010)

IMPATTO SOCIALE & ECONOMICO – DISPOSITIVI & RISONANZA MAGNETICA

Figura 1. Pruebas realizadas en los pacientes portadores vs. no portadores de marcapasos.

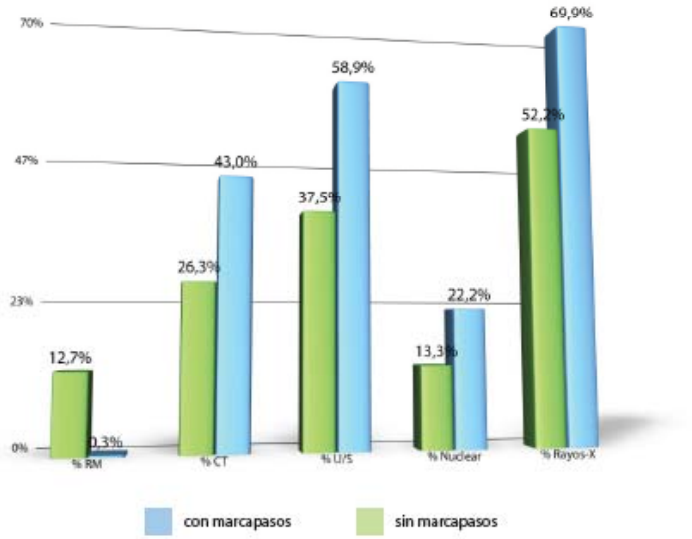
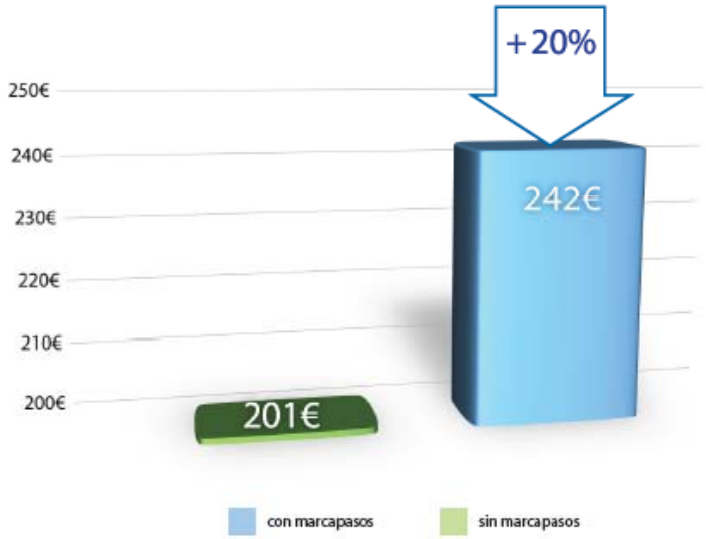


Figura 2. Coste asociado por diagnóstico de pacientes portadores vs. no portadores de marcapasos.



"Patients with stroke/TIA who have **pacemaker** implants do not receive MRIs and also **receive statistically significantly less imaging at the time of stroke/TIA** diagnosis". Radiology Utilization in Patients with and without Pacemakers, Evidence of a Gap in Care - HRS 2013 (Medicare data)

IMPATTO SOCIALE & ECONOMICO – DISPOSITIVI & RISONANZA MAGNETICA

Francis *et al. Journal of Cardiovascular Magnetic Resonance* 2013, **15**:52
http://jcmr-online.com/content/15/1/52

Journal of Cardiovascular Magnetic Resonance

REVIEW Open Access

Cost-effectiveness analysis for imaging techniques with a focus on cardiovascular magnetic resonance

"…the results of diagnostic tests can influence management decisions for patients and by this route, diagnostic tests indirectly affect long-term outcomes"

- Costo della procedura

- SDO non specifiche
- Registri
- PDTA
- Costo della malattia
- QoL
- Prevalenza
- Outcomes a lungo termine

IMPATTO SOCIALE & ECONOMICO – DISPOSITIVI & FIBRILLAZIONE ATRIALE

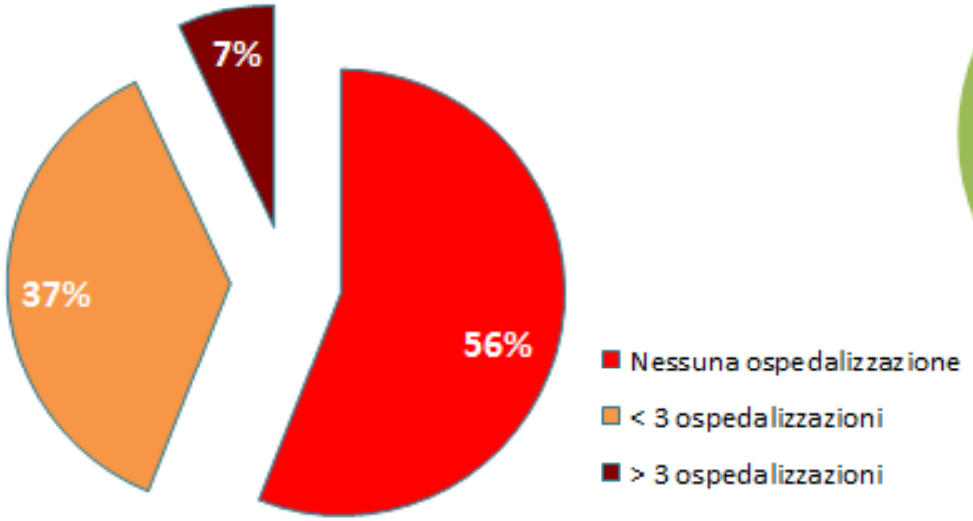
The Italian Survey of Atrial Fibrillation Management (**ISAF study**)

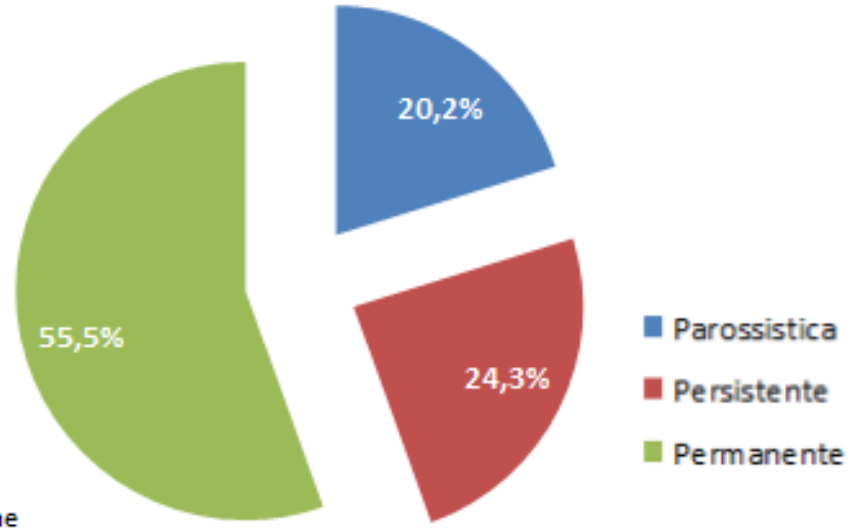
Associazione Nazionale Medici Cardiologi Ospedalieri (ANMCO) - Società Italiana medici Medicina Generale(SIMG)

Su 295.966 paz considerati da MMG = 6.036 pz con AF

1.85% prevalenza in Italia

Negli ultimi 5 anni





IMPATTO SOCIALE & ECONOMICO – DISPOSITIVI & FIBRILLAZIONE ATRIALE

ORIGINAL RESEARCH

American Heart Association | American Stroke Association

Long-term Outcomes of Catheter Ablation of Atrial Fibrillation: A Systematic Review and Meta-analysis

Anand N. Ganesan, MBBS, PhD; Nicholas J. Shipp, PhD; Anthony G. Brooks, PhD; Pawel Kuklik, PhD; Dennis H. Lau, MBBS, PhD; Han S. Lim, MBBS, PhD; Thomas Sullivan, BMa, CompSc; Kurt C. Roberts-Thomson, MBBS, PhD; Prashanthan Sanders, MBBS, PhD

Stroke

Journal of the American Heart Association

American Heart Association | American Stroke Association

Cost-Effectiveness of Outpatient Cardiac Monitoring to Detect Atrial Fibrillation After Ischemic Stroke

Hooman Kamel, Manu Hegde, Derek R. Johnson, Brian F. Gage and S. Claiborne Johnston

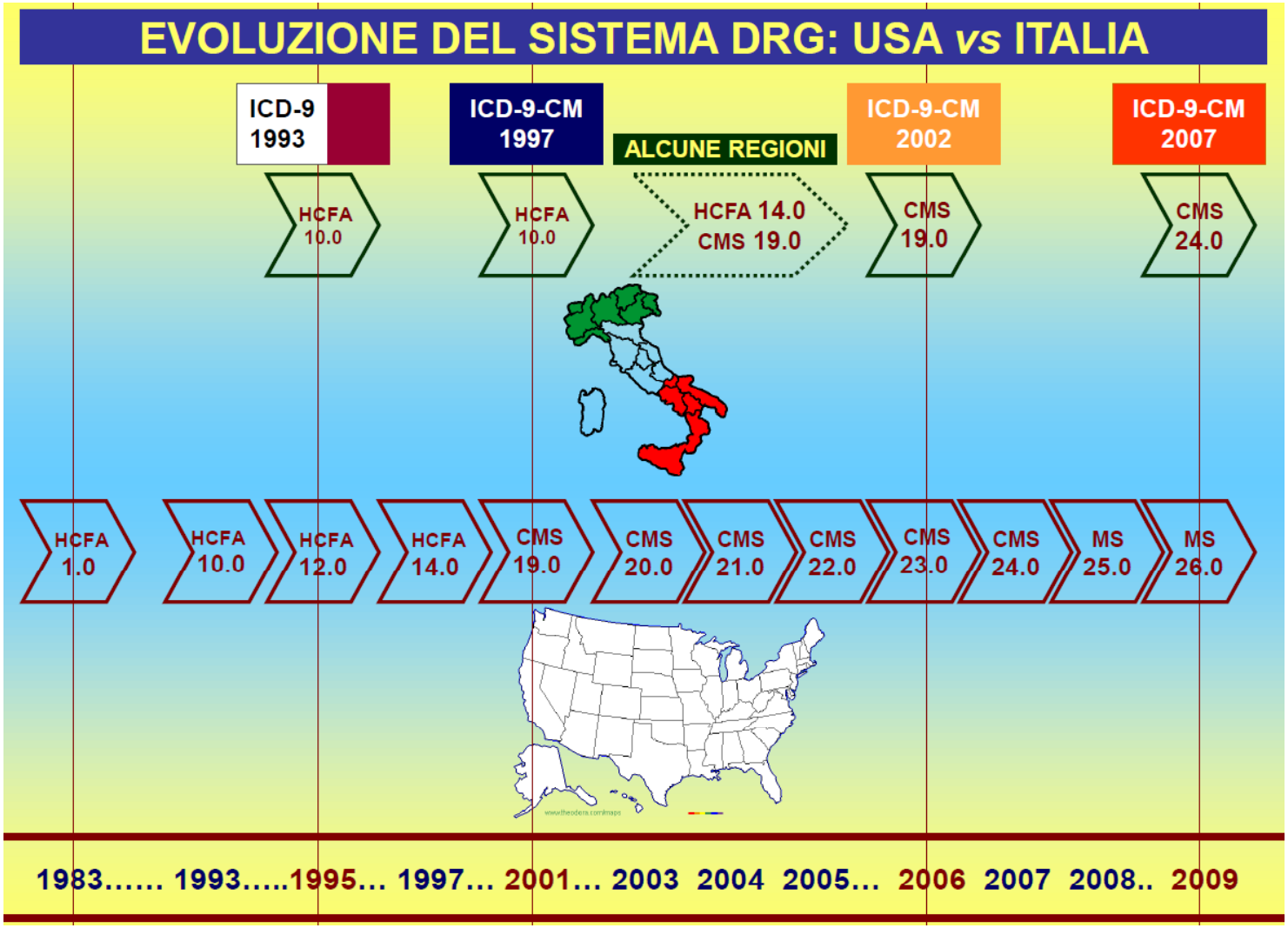
- Costo della procedura
- Prevalenza
- Outcomes a lungo termine

- SDO non specifiche
- Registri
- PDTA
- Modelli organizzativi
- Costo della malattia
- QoL

GRAZIE!

BACK UP

CODING E DRG IN ITALIA



*Nonis M, Università «Sapienza», Roma 21 Gennaio 2009