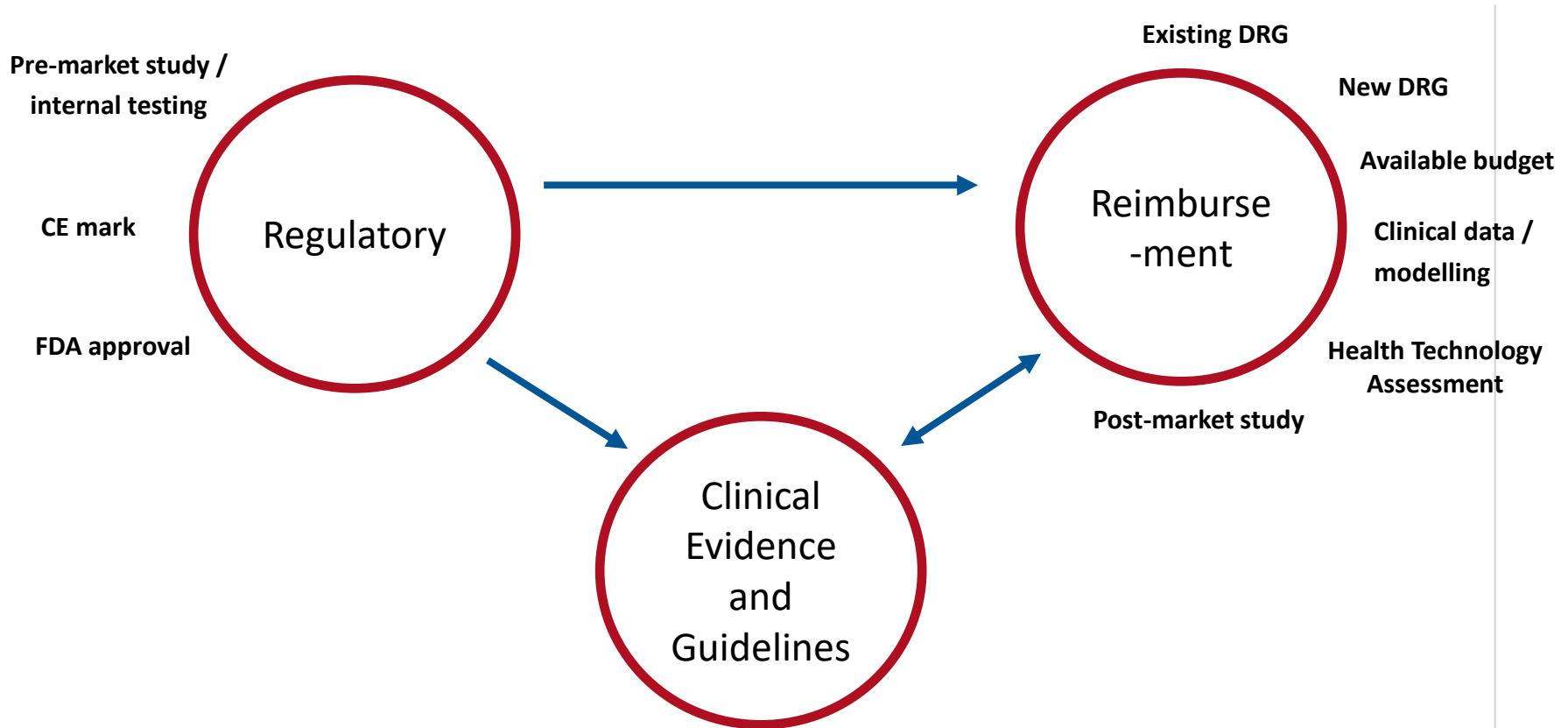


# Industry perspectives on guideline implementation

Alphons Vincent, M.D., Medical Director, Medtronic

May 29, 2024

# Introducing Medical Products



# Introducing Medical Products - Guidelines



Device Rhy

Implement  
cardiac rhy  
therapy in  
A global, no  
centered e

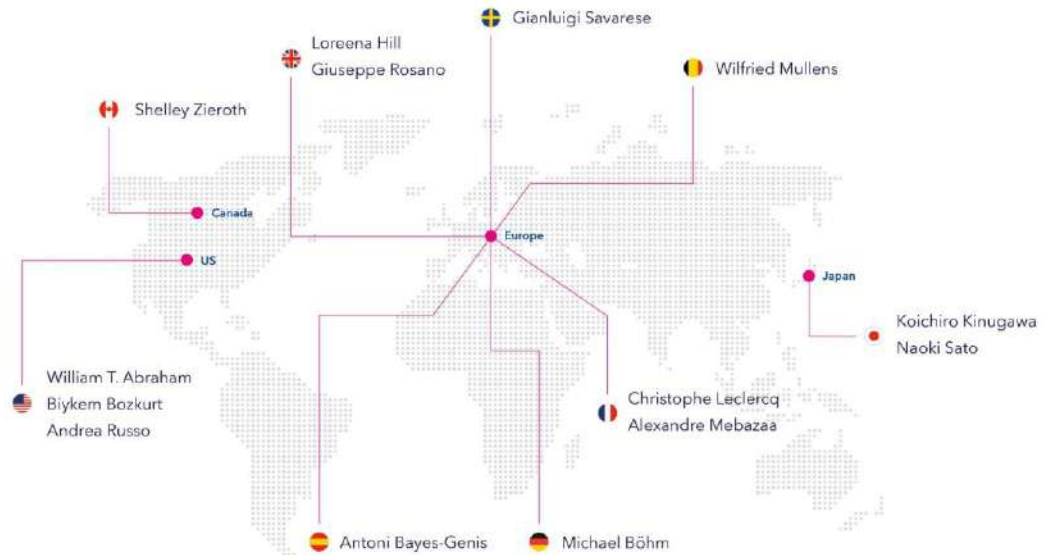
# DIRECT HF

**Experts**

Working group

**Co-chairs:**

-  Javed Butler
-  Cecilia Linde



# ICD Guidelines in Primary Prevention - Example

PATIENTS / GUIDELINES	EHRA/HFA consensus Arrhythmias in HF 2015	ESC HF 2016	ACC/AHA/HRS V Arrh. & SCD 2017	ESC HF 2021	ESC V Arrh. & SCD 2022
post-MI* NYHA II-III (>40d)	EF≤35%, Class I Lev.A	EF≤35%, Class I Lev.A	EF≤35%, Class I Lev.A	EF≤35%, Class I Lev.A	EF≤35%, Class I Lev.A
post-MI* NYHA I (>40d)	EF≤30%, Class I Lev.B	EF≤30%, Class I Lev.B	EF≤30%, Class I Lev.A	N/A	EF≤30% Class IIa Lev.B
post-MI* (>40d) NSVT, EPS+	ICD Not Specified. EPS recommendation <sup>+</sup>	N/A	EF≤40%, Class I Lev.B(R)	N/A	EF≤40% Class IIa Lev.B
NICM NYHA II-III	EF≤35%, Class I Lev.B	EF≤35%, Class I Lev.B	EF≤35%, Class I Lev.A	EF≤35%, Class IIa Lev.A	EF≤35%, Class IIa Lev.A
NICM NYHA I	N/A	EF≤30%, Class I Lev.B	EF≤35%, Class IIb Lev.B	N/A	N/A

\*>40 days.

<sup>#</sup>EPS is recommended in post-MI patients with symptoms suggesting V tachyarrhythmias, including palpitations, presyncope, syncope. **Class I Lev.B**

<sup>\*</sup>EPS may be considered in patients who have LVEF ≤40% at ≥4 days post-MI or

# Gaps and Challenges (1)

- **Awareness:**
  - From publication to implementation of guidelines: time delay
  - Allied health professionals / Nurses
- **Alignment of guidelines between different groups:**
  - Interdisciplinary collaboration
  - EP vs HF vs Cardiomyopathy
- **Adoption:**
  - Differences in country structure leads to difference in adoption
- **Reimbursement:**
  - Guideline implementation depends largely on reimbursement
  - Inclusion of reimbursement or HTA agencies?
  - Reimbursement agencies refer to guidelines to determine SoC

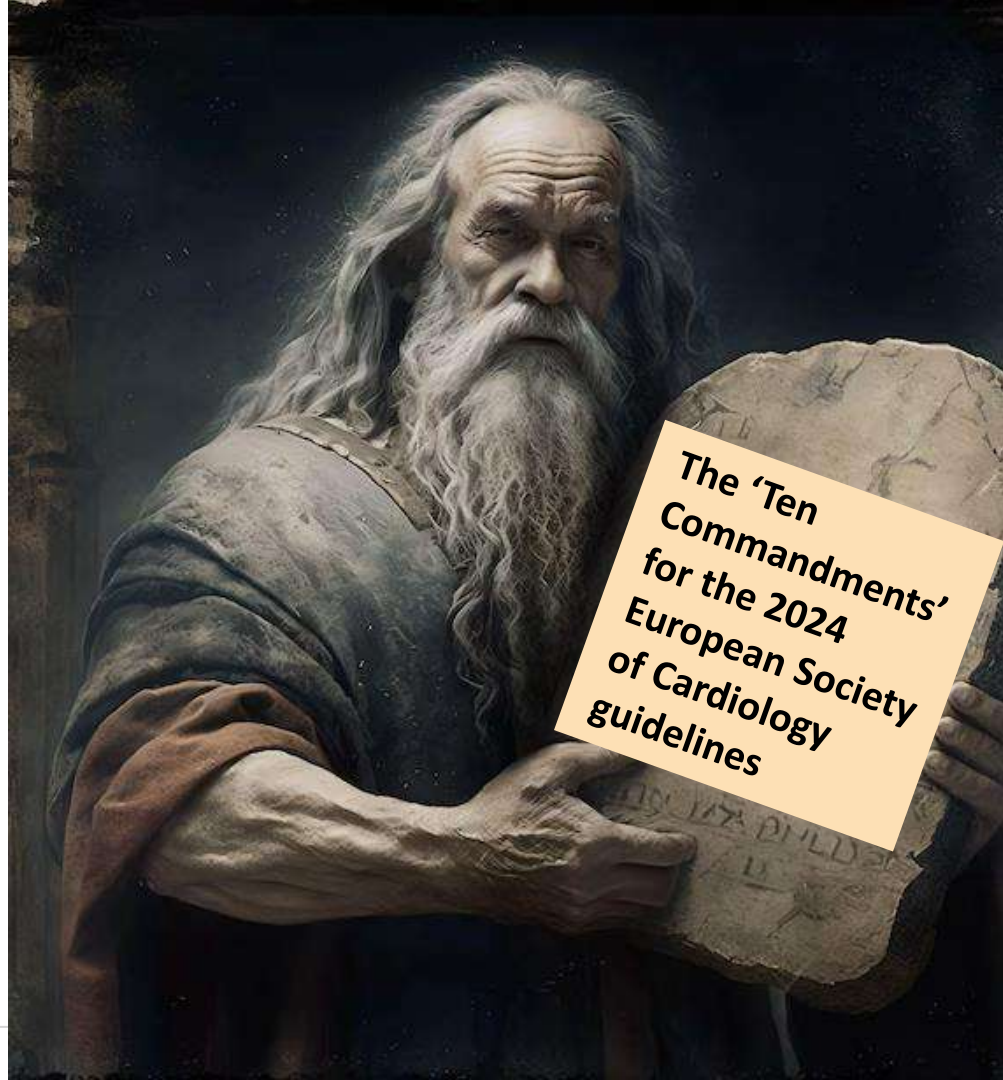
# Gaps and Challenges (2)

- **Educational requirements:**
  - Describe level of knowledge, competencies, and skills to perform a procedure on a specific therapy and on patient management (pre-peri-post procedure).
- **Evidence:**
  - Increasing amount and quality/complexity of real-world comparative non-randomized evidence
  - Timely updates and identifying obsolescence due to new evidence
  - Call-out when major study is ongoing that is likely to impact recommendations
- **Other:**
  - How to educate referral non-cardiologists, AHP/nurses?
  - Gender: Do guidelines apply to all genders?
  - How to generalize recommendations if studies are done with 1 device?
  - Registries/surveys to measure adoption and address gaps

# Highly Valued

- **Summary, pocket guidelines, slides**
- **Any tools are helpfull**
- **Take home messages**





**The 'Ten  
Commandments'  
for the 2024  
European Society  
of Cardiology  
guidelines**

**Thank you for your Attention**