



SOA MEDICAL MARKERS STUDY – SOME BACKGROUND

March 13, 2012

Tom Edwalds, FSA, ACAS, MAAA
Munich Re



-
1. SoA research process
 - Idea flow
 - Project Oversight Group (POG) role
 - Appeal for volunteers
 2. Comments/Observations about Medical Markers study
 3. Al Klein will present Medical Markers study approach and findings

-
- Idea source – anyone
 - Project or Experience Study?
 - Experience Committee or Section Research Committee referral
 - Champion sketches idea
 - Compete for funding
 - Project Oversight Group (POG) volunteers recruited



-
- Define project scope & approach
 - Draft solicitation document (RFP or CFP)
 - Evaluate proposals
 - Select researchers
 - Monitor progress
 - Ongoing peer review
 - Resolve issues
 - Recommend approval



- Why?
 - Learn new things
 - Network with experts
 - Be on cutting edge
 - CPD credit
- How?
 - Contact your section chair or SoA staff
 - Indicate experience & interests



POG

- Jean-Marc Fix, FSA, MAAA – Chair
- Tom Edwalds, FSA, ACAS, MAAA
- Carl Holowaty, MD, DBIM
- Cynthia French-Poteet, AALU
- Val Munchez-van der Wagt, CLU, AALU, ACS
- Ronora Stryker, ASA, MAAA
- Jan Schuh, SoA staff

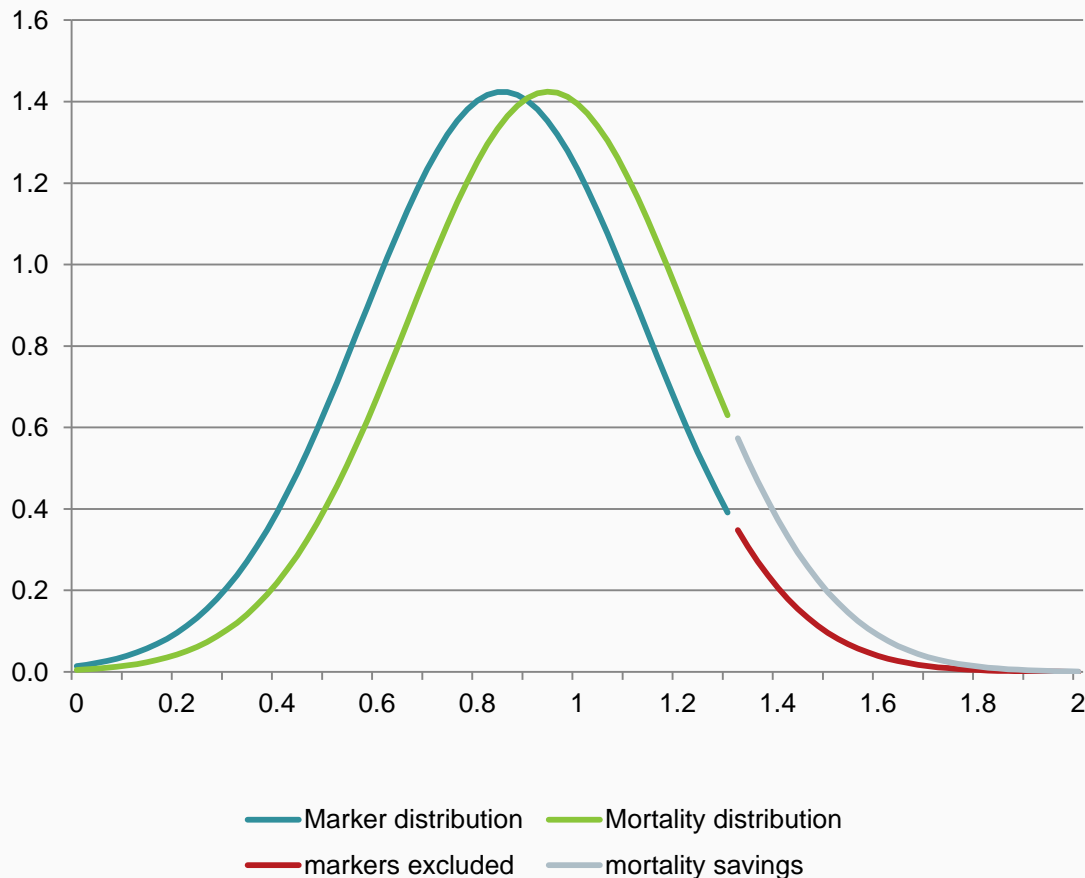
Funding Sources

- Reinsurance Section
- Product Development Section
- Committee on Life Insurance Research
- Association of Home Office Underwriters
- Canadian Institute of Underwriters

- Research Question:
 - What value might new laboratory tests have for life insurance underwriting?
- Solicited insurance lab participation before RFP
- Chose Milliman Research Team (Al Klein, Karen Rudolph)
- Picked tests to investigate
- Estimated protective value
 - Standard vs substandard



Mortality Savings Illustration



- Opportunities for further study
 - Normal distribution for marker values?
 - Info overlap?
- Hoped labs would have this data
- Excellent actuarial study
 - Estimates vetted by POG
 - Conclusions hold up