The International Consortium of Orthopaedic Registries (ICOR) is a U.S. Food and Drug Administration (FDA)–sponsored initiative that is quickly evolving into a public-private partnership, with more than 30 registries participating worldwide. Its purpose is to facilitate and enhance inter-registry collaboration through the provision of a supportive infrastructure and the development of a distributed data network that uses innovative approaches to analyze the data. This approach is well suited to meet its goals of working with all registries, whether they are well-established or in the development stages. ICOR also aims to assist its participating organizations with a creation of a learning network. Most importantly registries maintain control of their own data, and, when they collaborate, they can contribute data in a manner that is not resource intensive.

ICOR’s mission is to facilitate international registry stakeholders’ collaboration and develop innovative methodological approaches for conducting robust analytic studies to fill the evidence gaps. The additional goal is to improve FDA’s understanding of safety and effectiveness of orthopedic devices.
In order to accomplish this mission, ICOR has begun work on three projects:

**Consortium History**

ICOR was launched in 2011 with an inaugural conference on May 9-10 at the FDA headquarters in Silver Spring, Md. This conference summarized the international data sources and methods for postmarket evaluations and surveillance of orthopedic devices. The conference attendees included 73 stakeholders from 29 orthopaedic joint registries (total joint arthroplasty) representing 14 nations. In addition, there were more than 25 nonregistry stakeholders representing industry, Agency for Health Care Research and Quality, National Institutes of Health, Centers for Medicare & Medicaid Services, academia, device regulatory agencies, and device cataloging experts insurers and payers. The meeting was the first main step to build the ICOR methodological infrastructure to evaluate orthopaedic implant safety and effectiveness.

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**Sponsors & Partners**

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RIPO - Register of Orthopaedic Prosthetic Implants
Romanian Arthroplasty Register
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South African National Joint Registry
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Swedish Knee Arthroplasty Register
U.S. FDA Coordinating Center
U.S. FDA Coordinating Center and Kaiser
Permanente Total Joint Replacement Registry
University of California, San Francisco
Virginia State Registry
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