

# Download Translating Clinical Trial Outcomes Measures An Overview

About BIOS. The Johns Hopkins Brain Injury Outcomes (BIOS) Division is a clinical trial coordinating center (data management center, imaging reading center, and enrollment center) within the Johns Hopkins School of Medicine Department of Neurology. Its focus is to provide multicenter management to clinical trials evaluating therapeutic, preventive, and diagnostic interventions. **PeRsPective Review** For reprint orders, please contact: [reprints@futuremedicine.com](mailto:reprints@futuremedicine.com)

Realities and expectations of pharmacogenomics and personalized medicine: impact of translating genetic knowledge into clinical practice The implementation of genetic data for a better prediction of response to medications and adverse drug reactions is becoming a reality in some clinical fields. Evidence-based research provides the basis for sound clinical practice guidelines and recommendations. The database of guidelines available from the National Guideline Clearinghouse and the recommendations of the U.S. Preventive Services Task Force are especially useful.

**INTRODUCTION.** Joint pain and functional impairment are the hallmarks of osteoarthritis (OA). OA-related pain results from a multifactorial biopsychosocial process in which non-cartilaginous structures, including the subchondral bone, synovium, and periarticular structures, are involved and are influenced by environmental and psychosocial factors. -

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