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# Project Review

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#PAMBAYESIAN

# Project Goals

Create new generation of intelligent medical decision support systems for direct patient use with real-time monitoring for chronic conditions, based on expert-built Bayesian Networks

Increase patient independence and decrease reliance on direct consultation

Allow more autonomous care at home and reduce associated health care cost

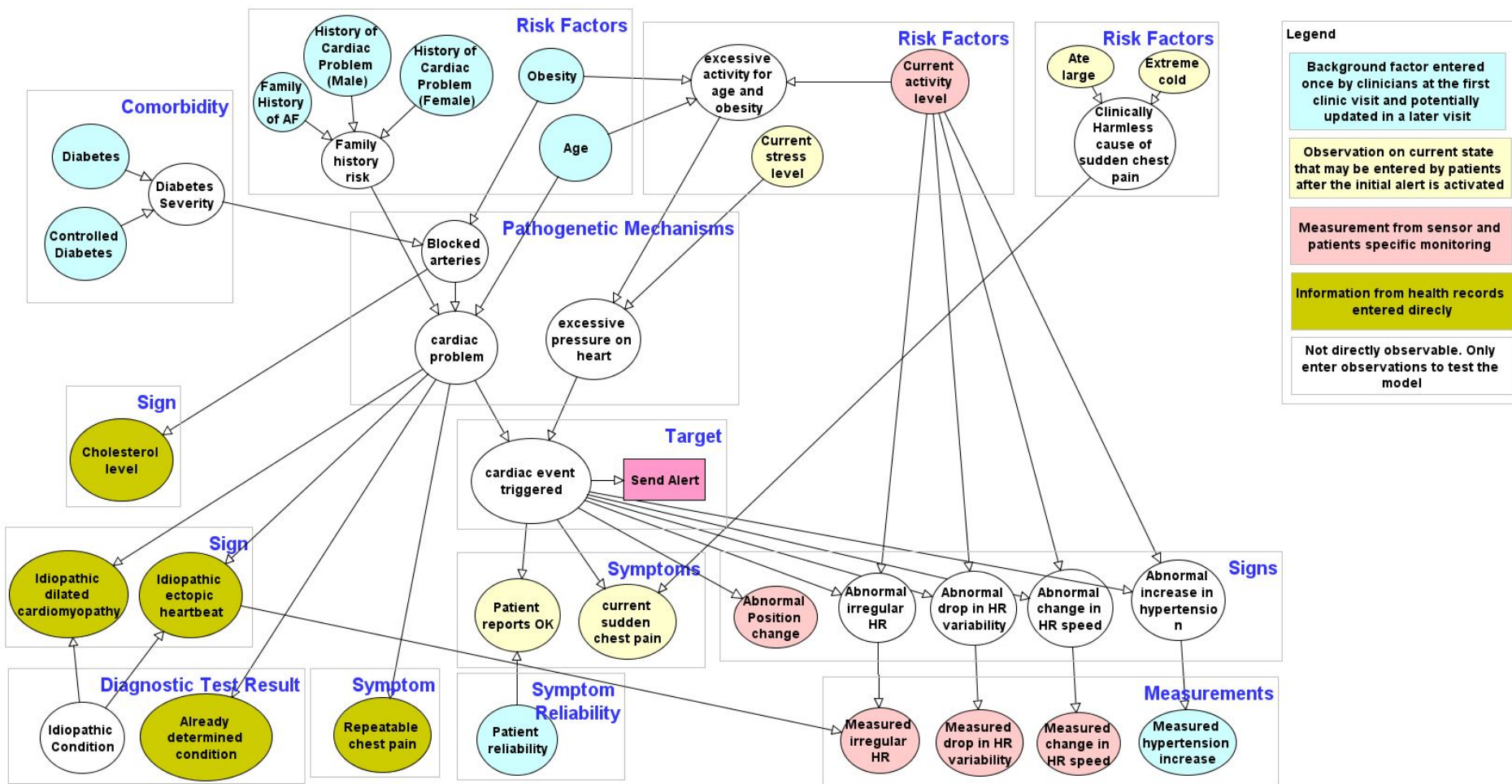
# Project Case Studies

Gestational Diabetes

Rheumatoid Arthritis

Chronic heart disease

# Cardiology BN model



# Theoretical/Technological work

Learning Health Systems

Idioms based approach for building medical BNs

Improvements to dynamic Bayesian Network inference