

Digital States Survey 2014
Washington State Department of Health and Human Services

PRISM: The Predictive Risk Intelligence System

With support from the Health Care Authority and DSHS Aging and Disabilities Services Administration, the DSHS Research and Data Analysis Division has developed a web-based clinical decision support application, called **PRISM**, which features state-of-the-art predictive modeling tools and data integration to support care management for high-risk Medicaid clients. Listed below are some of the key features of the PRISM application.

1. **PRISM is an electronic health record for Medicaid enrollees.** PRISM contains comprehensive longitudinal health information supporting care management for high-risk Medicaid clients.
2. **PRISM integrates medical, behavioral health, social service and health assessment data** to provide a comprehensive view of patient risk factors, service utilization and health outcomes.
3. **PRISM uses state-of-the-art predictive modeling** to identify patients at greatest risk of high future medical costs. PRISM also predicts each patient's likely primary care provider, and assesses the extent to which emergency department visits are potentially avoidable. The risk scoring algorithms are based in part on open source software maintained at UC San Diego and calibrated to Washington State's Medicaid client populations by the PRISM team.
4. **PRISM is refreshed weekly.** Predictive modeling scores for the entire Medicaid population are recalculated on a weekly basis to reflect changes in patient service events and patient risk factors.
5. **PRISM currently supports more than 400 authorized users.** The current primary user groups include:
 - a. Medicaid health plans;
 - b. Area Agencies on Aging providing care management for high-risk patients;
 - c. HCA and DSHS staff performing care management or program management functions.
6. **PRISM uses robust security measures** to protect patient data security and privacy. PRISM is fully compliant with HIPAA and other state and federal confidentiality requirements.
7. **The PRISM team provides ongoing training and technical support for PRISM users.**

PRISM being expanded to include ready to work predictors for TANF clients.

More information on PRISM is here: <http://www.agingwashington.org/docs/strategic-planning/PRISM-Explained.pdf>