

EXECUTIVE SUMMARY

The Nevada Central Cancer Registry (NCCR) wanted to improve their registry performance to reach “gold status,” as set by the North America Association of Central Cancer Registries (NAACCR). This required multi-year updates and modifications, while adhering to strict compliance standards. Some of the changes were: addressing the infrastructure deficiencies, implementing and training employees on software, developing and implementing a quality improvement system focused on increasing timeliness and quality of data.

NEVADA CENTRAL CANCER REGISTRY



CHALLENGES

The work environment changed significantly over the 4-year project, including 3 management transitions. These factors added complexity to the creation of a solution that would provide sustainable improvements once gold status was reached. Additionally, all aspects had to be compliant with NCCR, the Health Insurance Portability and Accountability Act (HIPAA), and NAACCR.

RESULTS

QuantumMark helped the NCCR achieve gold status within the first year, which the program maintained for several years after our contract ended. Additionally, we served as manager for the NCCR when the position was vacated, and we maintained project momentum so that all goals were met on time. The new central registry software QuantumMark implemented utilized artificial intelligence to automatically read pathology reports and select those that indicated cancer, greatly improving the quality and timeliness of the data, and therefore saving countless lives. Moreover, our success with the NCCR improvement plan and gold status established QuantumMark in the health field, paving the way for many future projects.

SOLUTIONS

Create a clear implementation plan for a new central registry software and automated pathology reporting system, and train individuals on best practices. Also needed was a quality improvement plan, which incorporated elements such as: building a capacity plan to allocate resources, developing goals, implementing new tools/protocols, system monitoring, and audits.