

# Radiation Oncology and Information Technology

## Paper-Charts to EMR

- Radiation Oncology's dependence on technology to drive treatment planning and delivery
- Dedicated IT to support EMR/ EHR databases, R&V interfaces, physics and dosimetry software
- Evolution of treatment delivery console
- Process to paperless transition

## Today's Radiation Clinics

- IT skill-set to support evolving physics, dosimetry, and administrative operations
- Multi-Vendor platforms that interface with Linac, TPS, and hospital systems
- Custom reporting dashboards and MIPS/MACRA reports
- EMR workflow customization (IQ-Scripts, CarePaths)
- Fully integrated Cloud technologies to host all radiation oncology applications

## Future of IT in RadOnc

- Adaptive treatment planning and treatment delivery enhancements
- Advances in CT imaging, MRI imaging, and imaging with motion management systems
- Informed clinical decision-making software



**Prior Planning Prevents Poor Performance**