Emergency Department Imaging

After 15 years (1993-2007) of increasing ED imaging use, we observed 25% reduction in overall imaging, 33% reduction in CT, and 21% reduction in MRI per 1000 ED visits between 2007-2012

Reference:
Trends in ED Imaging RVUs by Study Modality from 1993 to 2012
Timing of Illustrative Institutional Initiatives to Reduce Inappropriate High Cost Imaging (CT and MRI) in the ED

- Implementation of CDS on lumbar spine MRI in patients with low back pain
- Implementation of CDS regarding duplicate studies
- Implementation of CDS on CT angiography in patient with suspected pulmonary embolism
- Implementation of CDS on head CT for mild traumatic brain injury patients and cervical spine CT for trauma patients

Year: 1993 to 2012

CT and MRI RVUs per 1000 ED Visits:
- 50 to 650 RVUs