Procedural sedation: QI in the ED

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Procedural sedation in the Emergency Department

https://www.acepnow.com/wp-content/uploads/2017/05/ACEP_0517_pg17a.png https://d1l9wtg77iuzz5.cloudfront.net/assets/3510/114655/max_width_extra_small_iv_sedation.gif?1436113958 https://66.media.tumblr.com/f20e7b0c64431281f7978e6be8eaf982/tumblr_inline_ozeaxlXL0z1r1gzoh_540.jpg





Small risk but potentially large impact to patient

http://www.onlineautoinsurance.com/img/risk-bomb.jpg https://2.bp.blogspot.com/_hmIHVr4LeOU/THuf1FNAmyI/AAAAAAAAAgE/kv4pPTY1qYg/s1600/SleepApnea1.jpg





Checklists exist in OR and ICU for patient safety

https://www.completepowerwash.com/wp-content/uploads/2017/08/checklist.jpg

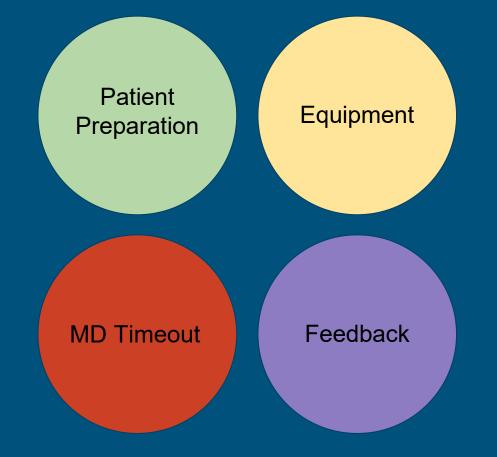




Bringing the safety checklist to ED for procedural sedations

http://s3.amazonaws.com/einstein-blog-live/public/uploads/images/36774/Time_Out.jpg





Created a novel ED checklist with four domains





Project refined after discussion with RT, nursing, and physician groups

https://ontimeemployeemanager.com/ontime/img/ExploringYourCareer_experiencedProfessionals.jpg





Missing equipment identified but gradual checklist fatigue

http://a360-wp-uploads.s3.amazonaws.com/wp-content/uploads/rehabpub/2014/09/puzzle-spasm.jpg https://www.rush.edu/sites/default/files/styles/hw_670x475/public/5-facts-about-fatigue.jpg

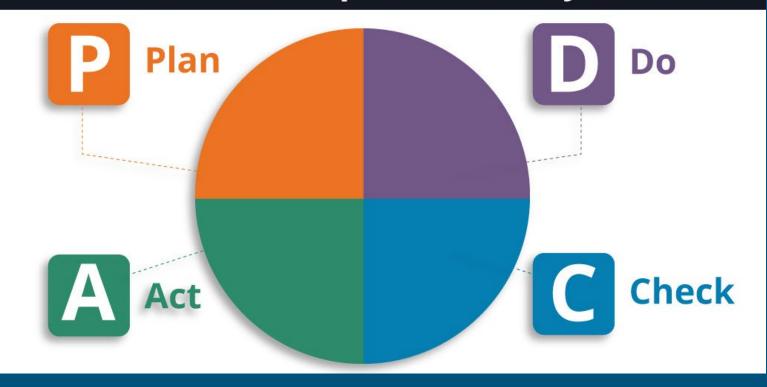




Optimizing checklist utility

https://dfwhc.org/wp-content/uploads/2017/08/RuralHospitals2-1024x568.jpg

Continuous Improvement Cycle:



What we learned from the QI project

https://kanbanize.com/blog/wp-content/uploads/2016/02/7-CI-cycle.jpg