

# 2012 Military Health System CONFERENCE



## Reduction of Radiation Doses from Computed Tomography

The MHS: Healthcare to Health

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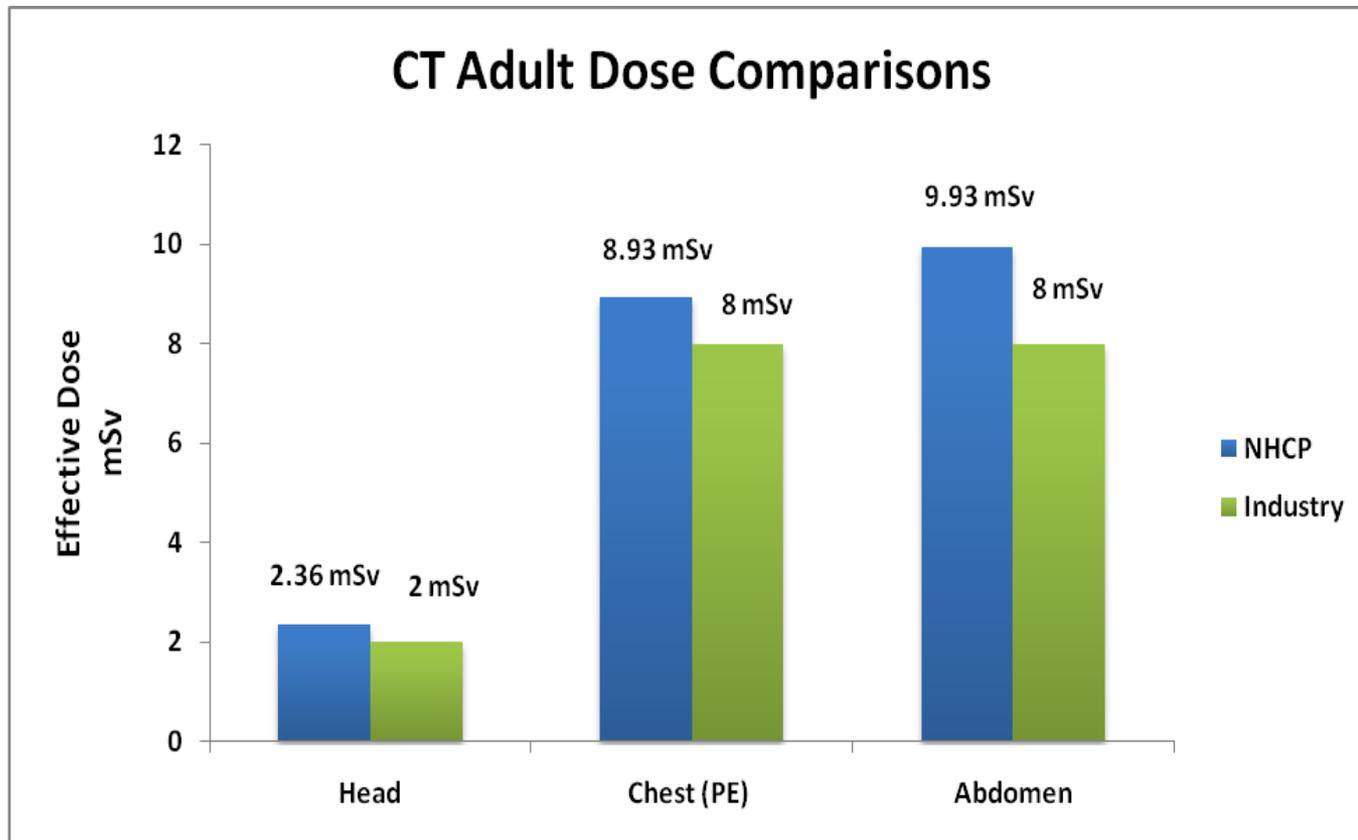
6 Jan 2011



Naval Hospital Camp Pendleton



- Problem: CT Radiation doses at NHCP higher than national average



# Solution

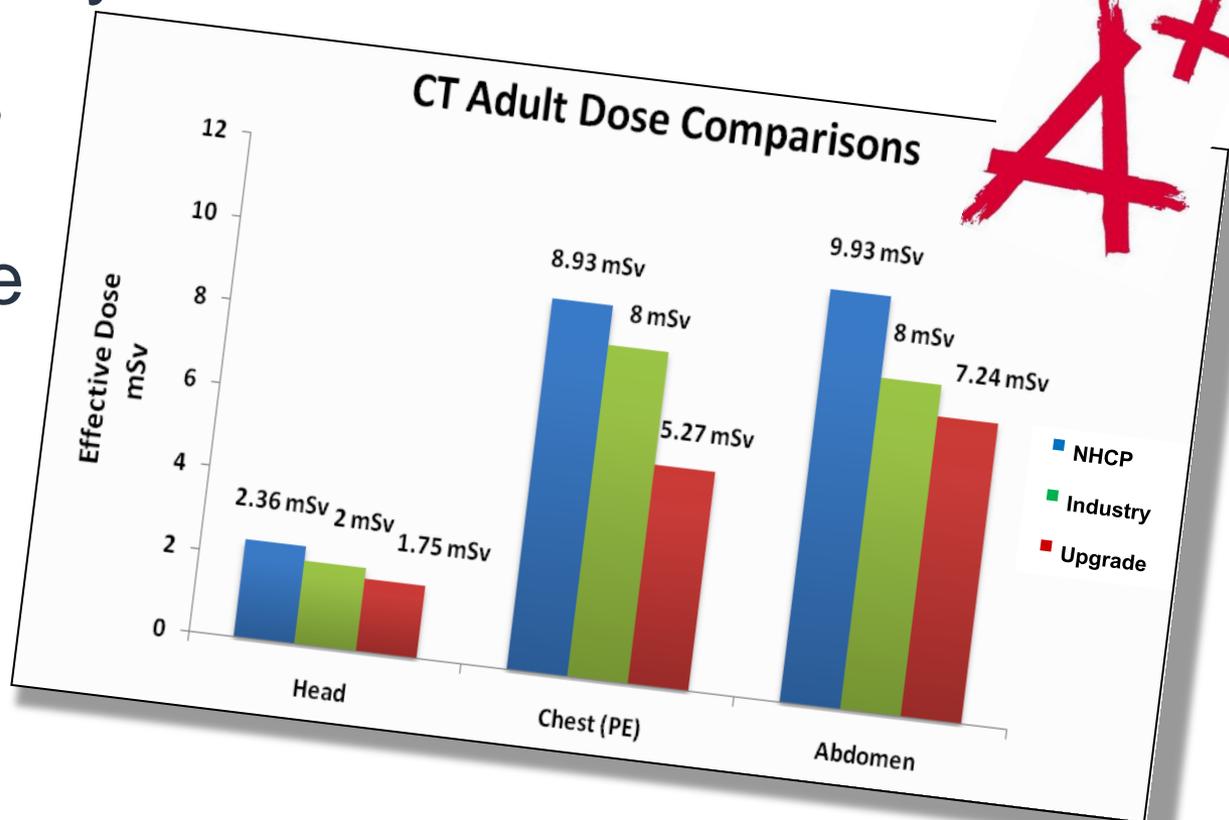


- April 2011, NHCP Radiology selected as initial MTF for installation of manufacturer software upgrade to Computed Tomography.
  - The upgrade processes the image after the CT is performed, reducing image noise.
  - Allows radiologist to reduce radiation dose and still achieve same image quality.
  - NHCP Radiology revised all CT Protocols to optimize image quality, acquisition and dose.



# Results

- Radiation doses from Computed Tomography studies significantly reduced
  - Resulting doses less than national average
  - Individual protocol dose reduced by as much as 40% (Chest PE)



# Conflict of Interest Disclosure

Zachary Alexander, MD



Has no real or apparent  
conflicts of interest to report.

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