

Computed Tomography: State & Federal Requirements

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West Physics

Why state regulations matter

- Universal application
- Baseline safety requirements
- Carry the force of law

Why state regulations matter

Inadequate shielding exposed workers to excess radiation at [REDACTED] imaging center, lawsuits allege

POSTED AT 12:30 PM JANUARY 15, 2014

BY [REDACTED]



[REDACTED]

[REDACTED] *says it will 'vigorously' refute allegations*

Note: This story was last updated at 3:38 p.m.

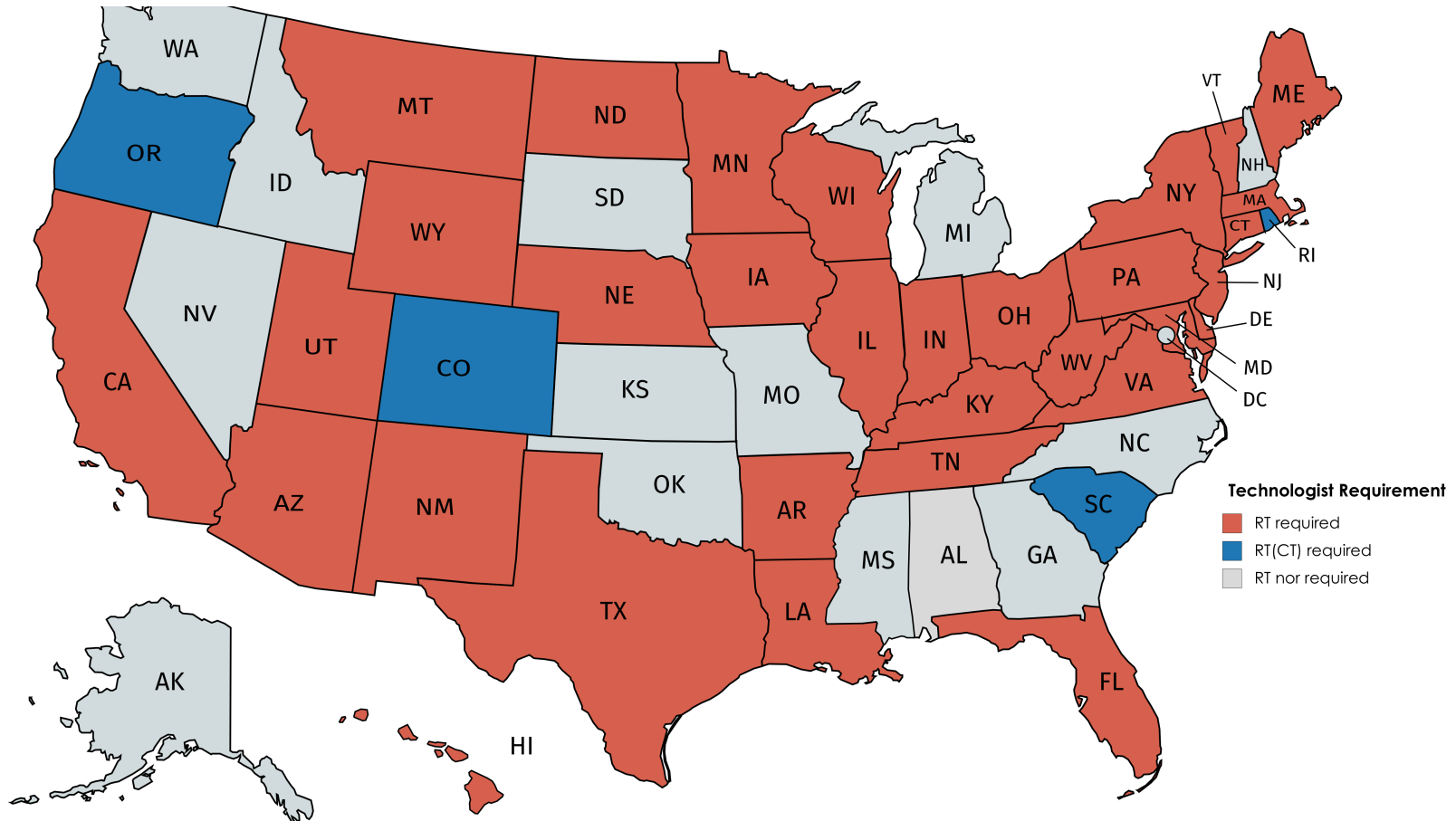
Five lawsuits filed in [REDACTED] County on Monday allege that X-ray and radiologic technologists, including two who were pregnant, were exposed to excess radiation for several years at [REDACTED] because some walls in and around a radiology imaging

center in the new emergency department were built without the required lead shielding, elevating the workers' risk of health problems, including cancer.

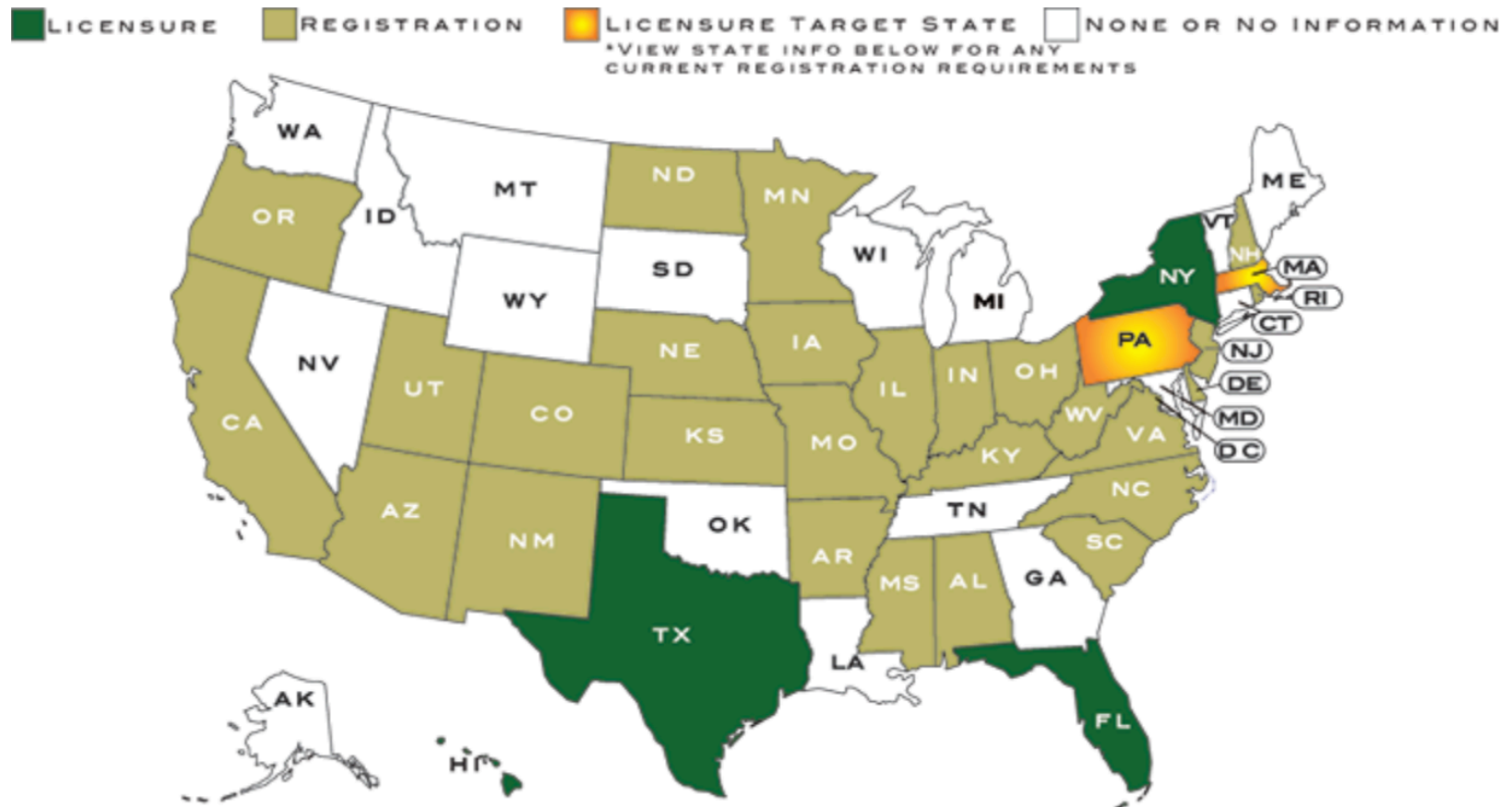
Key criteria in a given state

1. Operator Credentials
2. Physicist Credentials
3. Equipment registration and facility shielding
4. Quality control and equipment testing

Technologist Credentials

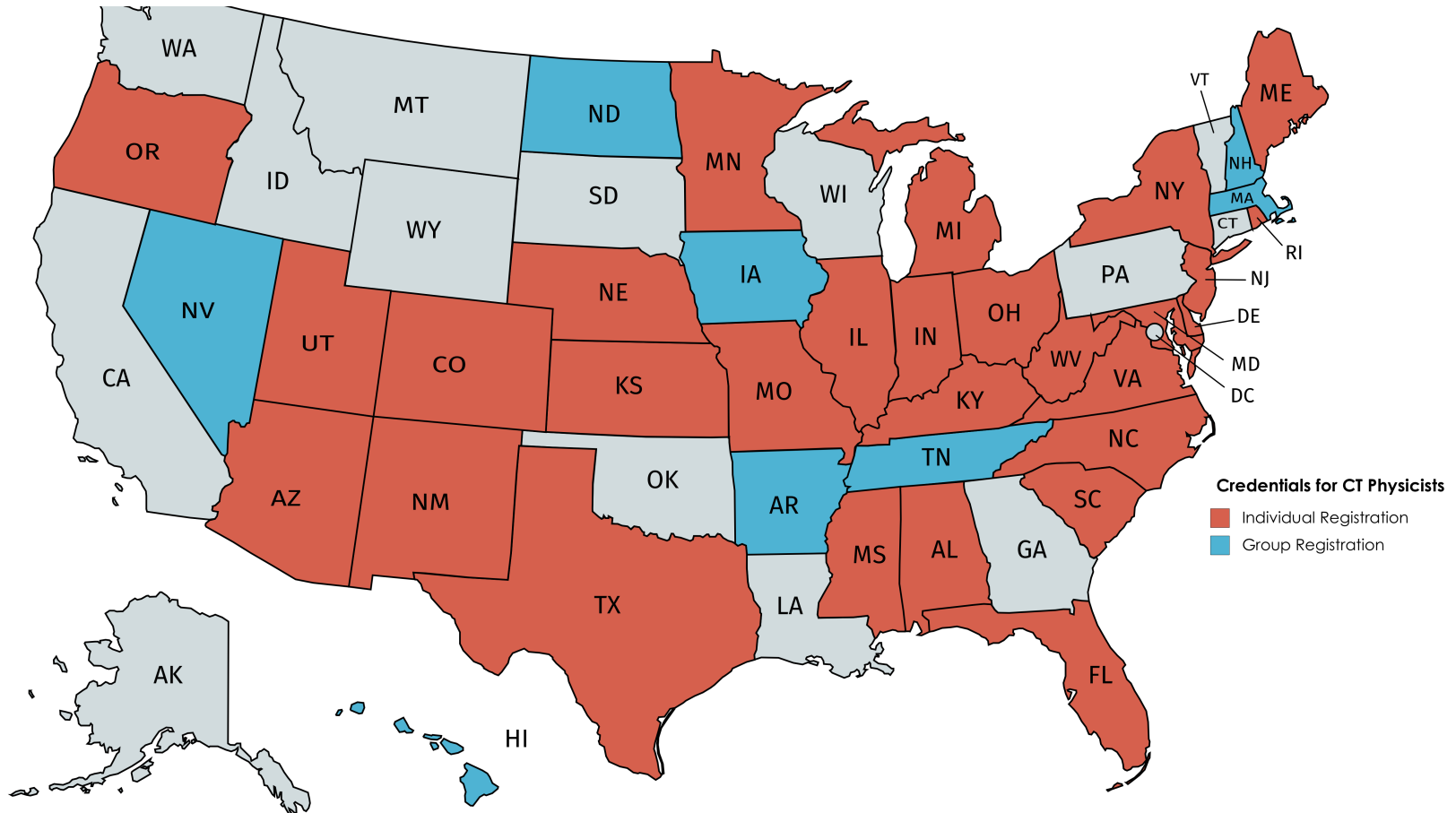


Physicist Credentials

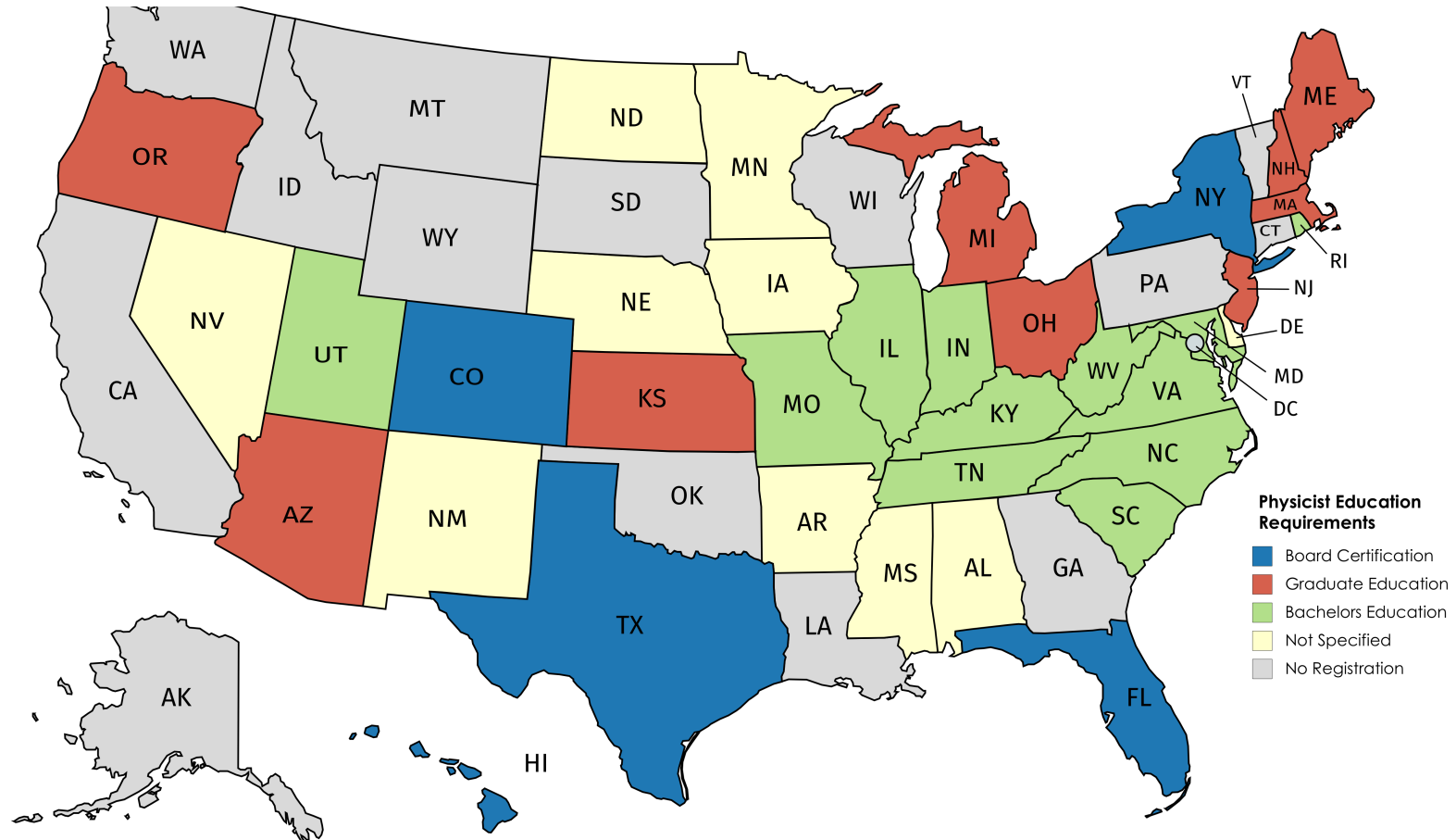


Source: AAPM.org

States Requiring Registration



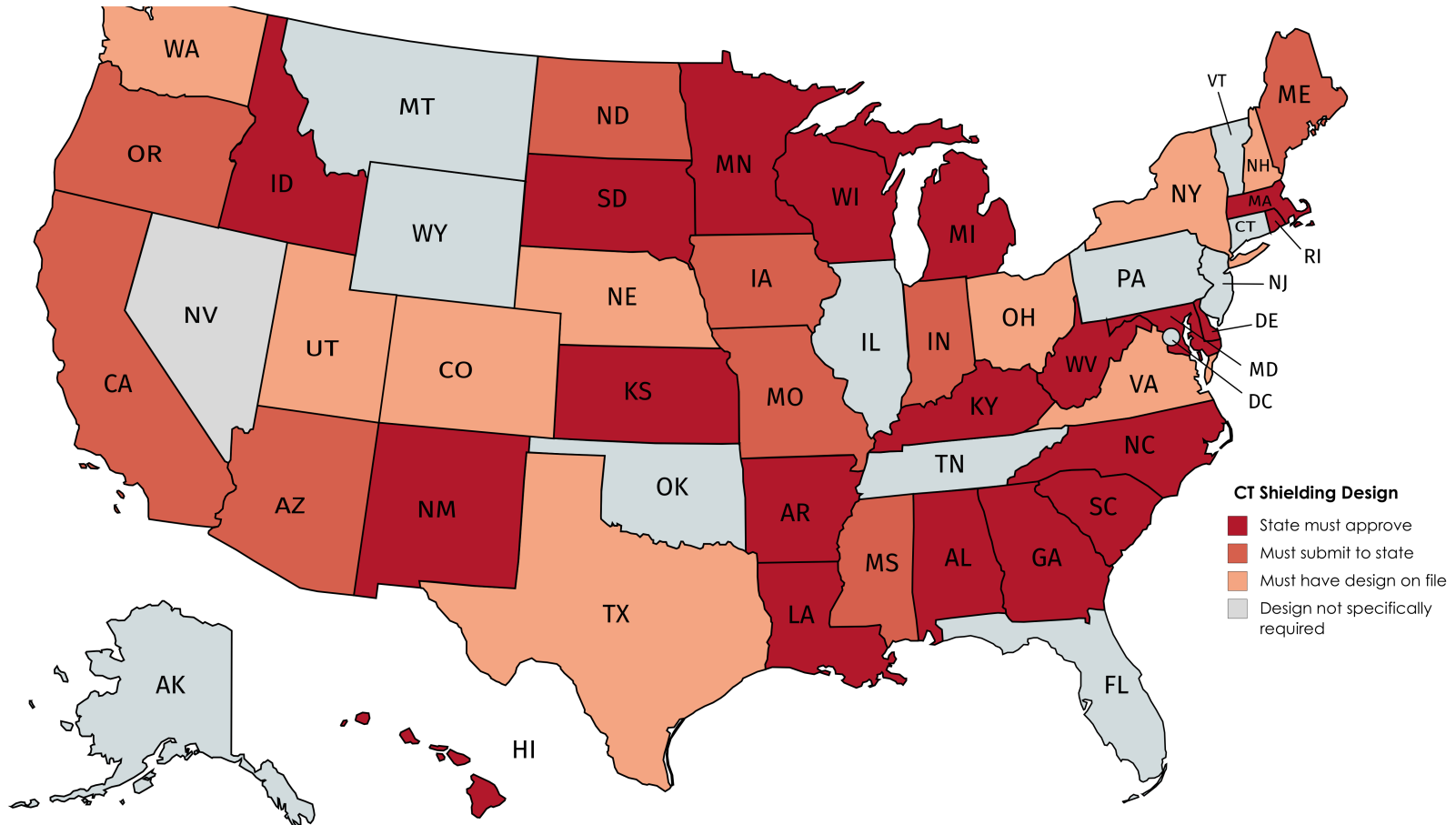
Physicist Education Requirements



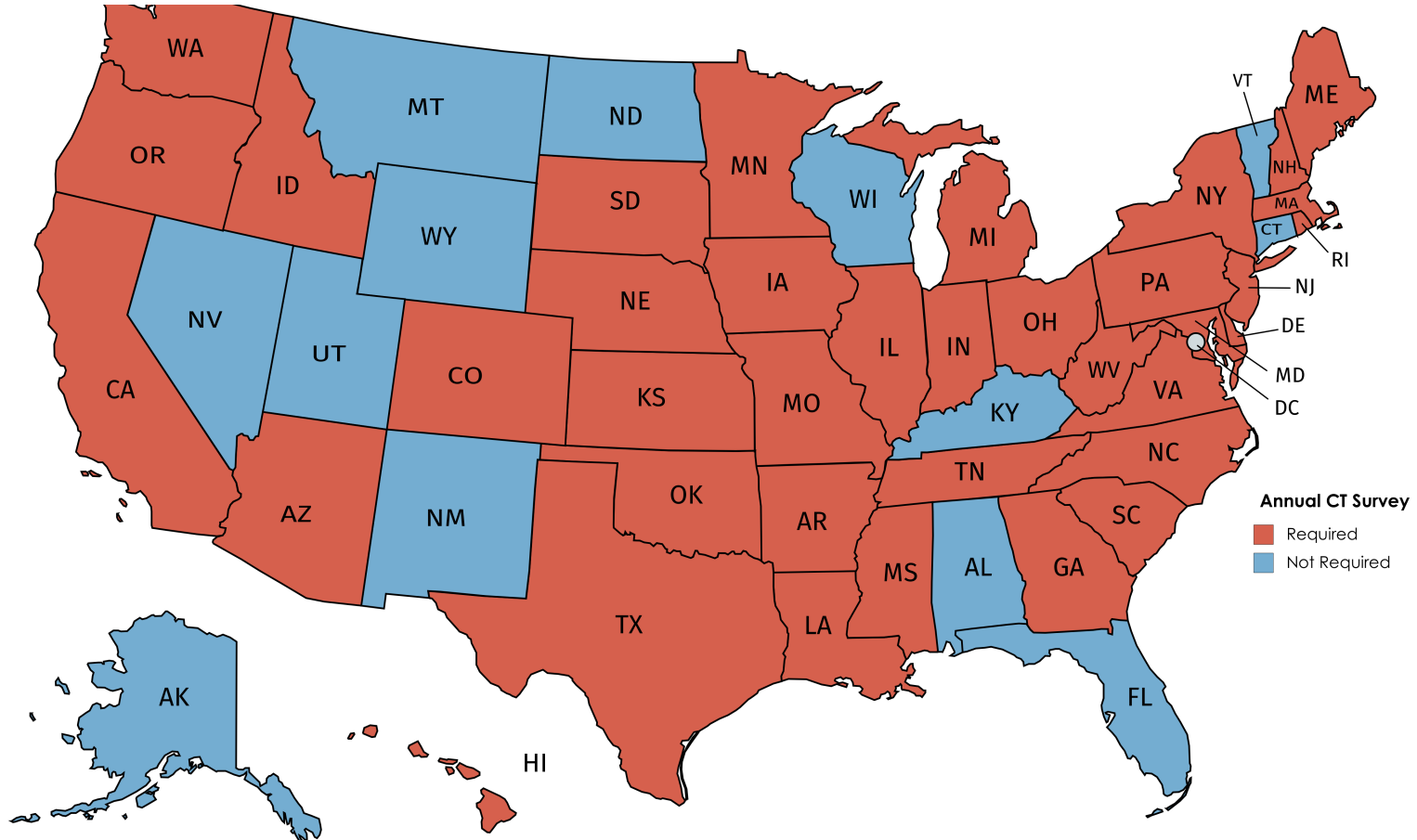
Physicist Education Requirements

- Common Terms
 - Diagnostic Imaging Specialist (IL)
 - Certified Radiation Expert (OH)
 - Registered Service Vendor (AR)
 - Radiation Service Provider (IA)
 - Qualified Expert (MO)
 - Qualified Medical Physicist – CT (NJ)
 - X Ray Service Provider (SC)

Facility Shielding



Annual Survey



Federal Facilities

Army

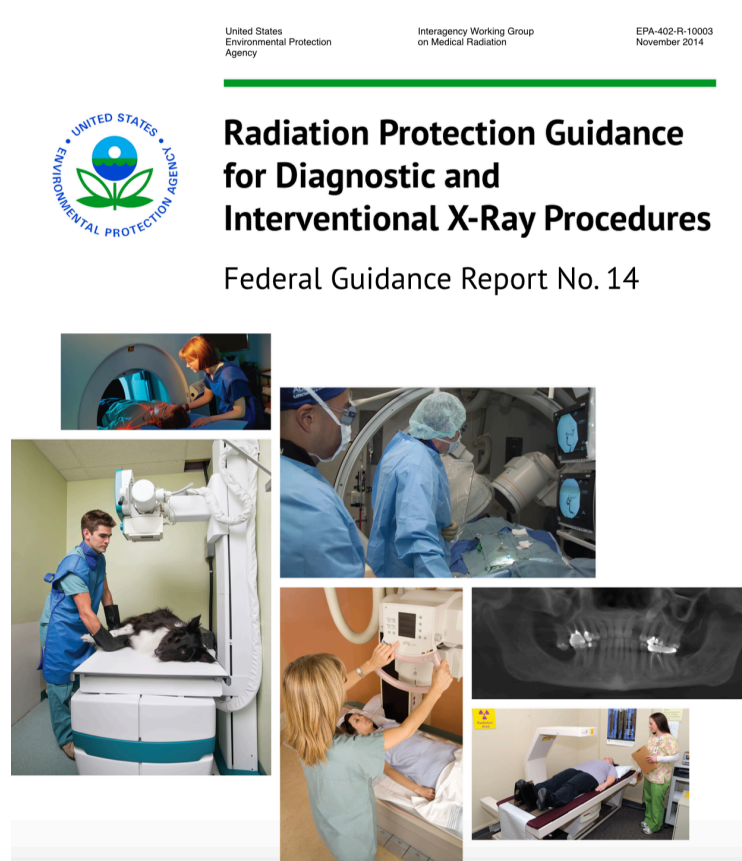
Navy

Air Force

VHA

Federal Facilities

- First stop: Federal Guidance Report No. 14



Federal Facilities

Army

- TB Med 521

Navy

- NMCPHC
TM-6470.1

Air Force

- AFI 48-148

VHA

- VHA Directive
1129

VHA Directive 1129

- “VA Medical Facility Directors [are responsible for]... establishing and implementing QA programs for machine sources of ionizing radiation consistent with TJC standards, with annual reviews by a QMP.”

Know when your state revises regs

- MN, OH, WI, and MO have all revised their regulatory documents governing CT in the last 2 years.
- *Suggested State Regulations for Control of Radiation, Part F, Diagnostic X-Rays and Imaging Systems in the Healing Arts (CRCPD)*

Questions?

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