

Proposed National Patient Safety Goal on Pediatric Computed Tomography (CT) Imaging

Ambulatory Health Care (AHC), Critical Access Hospital (CAH), and Hospital (HAP) Accreditation Programs

NPSG.17.01.01 —————————————————————————————————				
1 2	AHC	Improve the appropriate use of computed tomography (CT) imaging of the head and chest for pediatric patients.		
3 4 5 6 7		Rationale for NPSG.17.01.01 CT imaging is often used for pediatric patients with head trauma. When used properly, CT imaging saves lives. However, children are more susceptible than adults to the effects of ionizing radiation, so it is important to eliminate unnecessary radiation exposure. This can be achieved by the use of guidelines to determine when CT examinations are necessary for minor pediatric head trauma and when dual phase CT exams of the head and chest are needed for pediatric patients.		
8 9	CAH	Improve the appropriate use of computed tomography (CT) imaging of the head and chest for pediatric patients.		
10 11 12 13 14		Rationale for NPSG.17.01.01 CT imaging is often used for pediatric patients with head trauma. When used properly, CT imaging saves lives. However, children are more susceptible than adults to the effects of ionizing radiation, so it is important to eliminate unnecessary radiation exposure. This can be achieved by the use of guidelines to determine when CT examinations are necessary for minor pediatric head trauma and when dual phase CT exams of the head and chest are needed for pediatric patients.		
15 16	HAP	Improve the appropriate use of computed tomography (CT) imaging of the head and chest for pediatric patients.		
17 18 19 20 21	onto o	Rationale for NPSG.17.01.01 CT imaging is often used for pediatric patients with head trauma. When used properly, CT imaging saves lives. However, children are more susceptible than adults to the effects of ionizing radiation, so it is important to eliminate unnecessary radiation exposure. This can be achieved by the use of guidelines to determine when CT examinations are necessary for minor pediatric head trauma and when dual phase CT exams of the head and chest are needed for pediatric patients.		
Elements of Performance for NPSG.17.01.01 —————————————————————————————————				
22 23 24 25	AHC	1. Implement evidence-based practices for CT imaging of pediatric patients with minor head trauma. Note: Organizations are expected to adopt evidence-based practices such as the Pediatric Emergency Care Applied Research Network's (PECARN) Childhood Head Trauma: A Neuroimaging Decision Rule, which predicts the need for brain imaging after pediatric head injury.		
26 27 28 29	CAH	 Implement evidence-based practices for CT imaging of pediatric patients with minor head trauma. Note: Critical access hospitals are expected to adopt evidence-based practices such as the Pediatric Emergency Care Applied Research Network's (PECARN) Childhood Head Trauma: A Neuroimaging Decision Rule, which predicts the need for brain imaging after pediatric head injury. 		

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30 31 32 33	HAP	 Implement evidence-based practices for CT imaging of pediatric patients with minor head trauma. Note: Hospitals are expected to adopt evidence-based practices such as the Pediatric Emergency Care Applied Research Network's (PECARN) Childhood Head Trauma: A Neuroimaging Decision Rule, which predicts the need for brain imaging after pediatric head injury.
		EP Text for NPSG.17.01.01, EP 2
34 35	AHC	Implement criteria for the appropriate use of dual-phase CT examinations (with and without contrast) of the head and chest for pediatric patients.
36 37	CAH	Implement criteria for the appropriate use of dual-phase CT examinations (with and without contrast) of the head and chest for pediatric patients.
38 39	HAP	Implement criteria for the appropriate use of dual-phase CT examinations (with and without contrast) of the head and chest for pediatric patients.
		EP Text for NPSG.17.01.01, EP 3
40 41	AHC	Monitor compliance with the evidence-based practices in EP 1 and the criteria in EP 2 of this NPSG for pediatric CT imaging.
42 43	CAH	Monitor compliance with the evidence-based practices in EP 1 and the criteria in EP 2 of this NPSG for pediatric CT imaging.
44 45	HAP	Monitor compliance with the evidence-based practices in EP 1 and the criteria in EP 2 of this NPSG for pediatric CT imaging.
		EP Text for NPSG.17.01.01, EP 4
46 47	AHC	4. Establish goals for compliance with the evidence-based practices identified in EP 1 and the criteria in EP 2 of this NPSG and take steps to improve when performance does not meet these goals.
48 49	CAH	4. Establish goals for compliance with the evidence-based practices identified in EP 1 and the criteria in EP 2 of this NPSG and take steps to improve when performance does not meet these goals.
50 51	HAP	 Establish goals for compliance with the evidence-based practices identified in EP 1 and the criteria in EP 2 of this NPSG and take steps to improve when performance does not meet these goals.