



May 10, 2026

## RE: CRISP Score Now Available for Local Epic Implementation

We are pleased to share an important update regarding the **CRISP risk score calculator in Epic**. Many centers have expressed interest in implementing the CRISP score within their local Epic environment, particularly after the recent external validation publication and ongoing interest in using the score for procedural planning and documentation. Thanks to the leadership and efforts of **Dr. Michael Angtuaco and the Epic Pediatric Cardiology Subspecialty Steering Board**, the CRISP score has been built into the Epic Foundation system and should be available for local Epic teams to implement.

---

For centers interested in activating this functionality, please ask your local Epic analysts to review:

### Epic Release Note 907828

#### “Help Cardiologists Determine the Risk of Severe Adverse Events During Procedures for Pediatric Patients”

Epic analysts can search by either the release note ID or title. Additional setup guidance is also available in Epic Galaxy under:

### Cardiology Risk Score Setup and Support Guide

#### CRISP Risk Score: Setup

---

A few important points:

- The CRISP score does **not** require Epic Cupid. It should work in most Epic navigators, allowing each institution to choose the workflow that best fits its local practice.
- Each center will need to decide where the calculator should live within Epic. For example, Dr. Angtuaco’s center places it in the **Preprocedure Navigator**.
- Each center can also decide where the calculated score should be displayed. Possible locations include the **Status Board, Schedule Explorer**, or procedure documentation notes.
- At this time, the Epic build generates and stores the CRISP score within the local Epic environment for clinical use, procedural planning, and documentation. It does **not yet submit data directly to the CRISP Registry platform**. Centers should continue entering registry data through **ccisc.net** as usual.
- CRISA is **not currently included** in the Epic build. The current Epic functionality is specific to the pediatric CRISP score.

---

We hope this information helps local teams begin discussions with their Epic analysts and operational leaders. We are very grateful to Dr. Angtuaco, Epic, and all contributing centers for helping move this important pediatric interventional cardiology risk tool into clinical workflow.

CRISP Registry Organizers

Appendix: This calculator is available in the Preprocedure Navigator in EPIC

**Preprocedure**

PATIENT DOCUMENTATION  
Care Everywhere  
Allergies  
History  
Implants  
Problem List  
Review

PHYSICIAN DOCUMENTATION  
Write H&P  
Update H&P  
Consult Note  
Progress Notes  
Pre Evaluation  
Cath Workup  
Case Notes  
**CRISP Score**  
PROBLEM-BASED  
Select Hosp Serv...  
Subjective/Objective...  
Problem List

CONSULT ORDERS  
Orders  
Orders

**CRISP Score**

Time taken: 5/7/2026 0902 Responsible  Show Last Filed Value  Show Details

CRISP score

Documentation phase:  Preprocedure  Day of procedure  Postprocedure

Age:  <30 days  30 days - 1 year  >1 year

Weight:  <2.5 kg  2.5 - 5 kg  >5 kg

Inotropic support:  No inotropic support  Yes - stable  Yes - unstable / ECMO

Systemic illness:  No systemic illness  Medically controlled  Not controlled

Organ failure:  No organ failure  1 organ failure  2+ organ failures

Physiologic category

Category 1 (0 points)	Category 2 (1 point)	Category 3 (4 points)
<input type="checkbox"/> Saturation >80%	<input type="checkbox"/> Saturation 65 - 79%	<input type="checkbox"/> Saturation <65%
<input type="checkbox"/> Normal PVRI / no PVO	<input type="checkbox"/> PVRI 4 - 8 WU.m2	<input type="checkbox"/> PVRI >8 WU.m2 / fixed PVO
<input type="checkbox"/> RVSP <1/2 systemic (biventricular heart)	<input type="checkbox"/> RVSP 1/2 systemic (biventricular hearts)	<input type="checkbox"/> RVSP suprasystemic
	<input type="checkbox"/> Anemia - elective transfusion	<input type="checkbox"/> Active bleeding / urgent transfusion
	<input type="checkbox"/> Dynamic subpulmonary obstruction (no spells)	<input type="checkbox"/> Hypercyanotic spells
		<input type="checkbox"/> Severe systemic AVVR

Pre-cath diagnosis category:  Diagnosis category 1  Diagnosis category 2  Diagnosis category 3 [Diagnosis category #](#)

Procedure category:  Procedure category 1  Procedure category 2  Procedure category 3 [Procedure category #](#)

Procedure type:  Diagnostic  Interventional  Hybrid

Determine Pediatric Patient Risk During Procedure Prep

Key Change Procedures

Assess the risk of severe adverse events for pediatric patients directly in the system by documenting and calculating the CRISP (Catheterization RISK score for Pediatrics) score in pre-procedure navigators using a new SmartForm.

**CRISP Score**

Time taken: 6/26/2025 0943 Responsible  Show Last Filed Value  Show Details

CRISP score

Documentation phase:  Preprocedure  Day of procedure  Postprocedure

Age:  <30 days  30 days - 1 year  >1 year

Weight:  <2.5 kg  2.5 - 5 kg  >5 kg

Inotropic support:  No inotropic support  Yes - stable  Yes - unstable / ECMO

Systemic illness:  No systemic illness  Medically controlled  Not controlled

Organ failure:  No organ failure  1 organ failure  2+ organ failures

Physiologic category

Category 1 (0 points)	Category 2 (1 point)	Category 3 (4 points)
<input type="checkbox"/> Saturation >80%	<input type="checkbox"/> Saturation 65 - 79%	<input type="checkbox"/> Saturation <65%
<input type="checkbox"/> Normal PVRI / no PVO	<input type="checkbox"/> PVRI 4 - 8 WU.m2	<input type="checkbox"/> PVRI >8 WU.m2 / fixed PVO
<input type="checkbox"/> RVSP <1/2 systemic (biventricular heart)	<input checked="" type="checkbox"/> RVSP 1/2 systemic (biventricular hearts)	<input type="checkbox"/> RVSP suprasystemic
	<input type="checkbox"/> Anemia - elective transfusion	<input type="checkbox"/> Active bleeding / urgent transfusion
	<input type="checkbox"/> Dynamic subpulmonary obstruction (no spells)	<input type="checkbox"/> Hypercyanotic spells
		<input type="checkbox"/> Severe systemic AVVR

Pre-cath diagnosis category:  Diagnosis Category 1  Diagnosis Category 2  Diagnosis Category 3 [Diagnosis category #](#)

Procedure category:  Category 1  Category 2  Category 3 [Procedure category #](#)

Procedure type:  Diagnostic  Interventional  Hybrid

Total score: 9 Risk of severe adverse event: Risk Category 3: 6.2%

Once you complete the fields in the new SmartForm, the system calculates the score automatically.

**My Note**

OR • 6/12/2025 09:55 AM

CRISP Score  
 Documentation Phase: Preprocedure  
 Age: > 1 year  
 Inotropic Support: Yes - stable  
 Systemic Illness: Medically controlled  
 Organ Failure: No organ failure  
 Physiologic Category 1 (0 points): RVSP <1/2 systemic (biventricular heart)  
 Physiologic Category 2 (1 point): PVRI 4 - 8 WU.m2  
 Physiologic Category 3 (4 points): Saturation <65%  
 Pre-Cath Diagnosis Category: Diagnosis Category 1  
 Procedure Category: Category 2  
 Procedure Type: Interventional  
 Total Score: 8  
 Risk of Severe Adverse Event: Risk Category 3: 6.2%  
 Weight: >5 kg

Nykanen DG, Forbes TJ, Du W, Divekar AA, Reeves JH, Hagler DJ, Fagan TE, Pedra CA, Fleming GA, Khan DM, Javois AJ, Gruenstein DH, Qureshi SA, Moore PM, Wax DH; Congenital Cardiac Interventional Study Consortium (CCISC). CRISP: Catheterization RISK score for Pediatrics: A Report from the Congenital Cardiac Interventional Study Consortium (CCISC). Catheter Cardiovasc Interv. 2016 Feb 1;87(2):302-9