

# Project TICKER



## Teamwork to Improve Cardiac Kids' End Results

November 2012

### *Milestones Achieved*

Our project's two-year aim (ending September 30, 2012) was to implement teamwork training and integrated clinical pathways (ICPs) which decrease unnecessary variations in clinical care. Clinical pathways have been shown to decrease length of stay in the hospital and lead to better outcomes especially for surgical populations such as our pediatric congenital heart surgery patients.

#### Teamwork

- Significantly improved teamwork was observed in all areas where teamwork training was new.
- Sustained or improved teamwork was observed in areas with previous training.

#### Length of Stay (LOS)

- Ventricular septal defect patients have gone from median LOS of 5 days to 4 days.
- Tetralogy of Fallot patients have gone from median LOS of 9 days to 5 days.
- We still need to measure more patients on pathway to reach statistical significance.

#### Spread

- Handoff tool developed for cardiac OR to PICU has been adopted as standard for all OR to ICU handoffs.
- Additional standardized handoffs developed for cardiac surgery patients are being used with a broader pediatric population.
- Family advisor-led education program for care providers is being launched as a full curriculum across our institution.

### Toolkit Available

A toolkit is an action-oriented compilation of related information, resources, or tools that guides users to develop a plan or organize efforts to meet evidence-based specific practice standards.

The Project TICKER toolkit combines evidence-based safe practices (TeamSTEPPS and ICPs) in order to have more of an impact than either safe practice by itself.

There are five main sections:

[Getting Started](#), [Teamwork](#), [Integrated Clinical Pathways](#), [Measurement](#), and [Lessons Learned](#).

In each section, we provide suggestions for organizing and implementing project activities to address the topic and recommendations based on what we learned.

Tools are described and linked throughout the toolkit and listed at the end of each section.

[www.med.unc.edu/ticker/toolkit](http://www.med.unc.edu/ticker/toolkit)

## Next Steps

Due to remaining grant funds, we received a no cost extension to continue many project activities.

- 1) Mortality and morbidity conferences
- 2) Further development of integrated clinical pathways, including new ones for “short-stay” surgeries and patients with Hypoplastic Left Heart Syndrome
- 3) Dashboard monitoring
- 4) Length of stay analysis
- 5) Manuscript development to publish results
- 6) Long-term program planning

	Today is: _____ (Day) / _____ (Date)		<b>UNC</b> North Carolina CHILDREN'S HOSPITAL
	Room Phone #:		
	RN:		RT:
	Case Manager:		
	Family Contacts:		
	Name: _____	Number: _____	
	Name: _____	Number: _____	
	Ronald McDonald House #: <u>(919) 913-2040</u>		
	Family Room #:		
	Plan / Goals:		
	Family Questions / Notes:		
	Family Meeting: _____		
<small>*Clean only with soap &amp; water, Lysol disinfectant, Windex, or Isopropyl alcohol. Do not use other cleaners or disinfectants! *From shutterstock.com</small>			

The new PICU white board was created with family advisor and staff input.

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