



**Nicklaus
Children's
Hospital**



Humpty Dumpty Falls™

Preventing falls, enhancing safety.

February 2015

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The Humpty Dumpty Falls Prevention Program™ History and Updates

Since the inception of The Humpty Dumpty Falls Prevention Program™ in 2005, Nicklaus Children's Hospital has continually placed a guided focus on preventing pediatric falls. The program was originally started to ensure patient safety and quality outcomes by identifying pediatric patients at risk of falling while in the hospital. A protocol was designed for patients aimed at reducing the risk of a potential fall event and to further reduce the risk of harm if a patient does fall. When the team, consisting of nurse leaders and frontline clinicians began meeting to determine the critical pathway to accomplish the program objectives, it was discovered that there was limited information in pediatrics related to fall events in hospitalized children. As well, the only prevention scales implemented in hospitals to that date had focused on the adult patient population. Therefore, the team took the initiative and proactively gathered available evidence, collaborated with other institutions and developed a pediatric falls prevention program from the ground up.

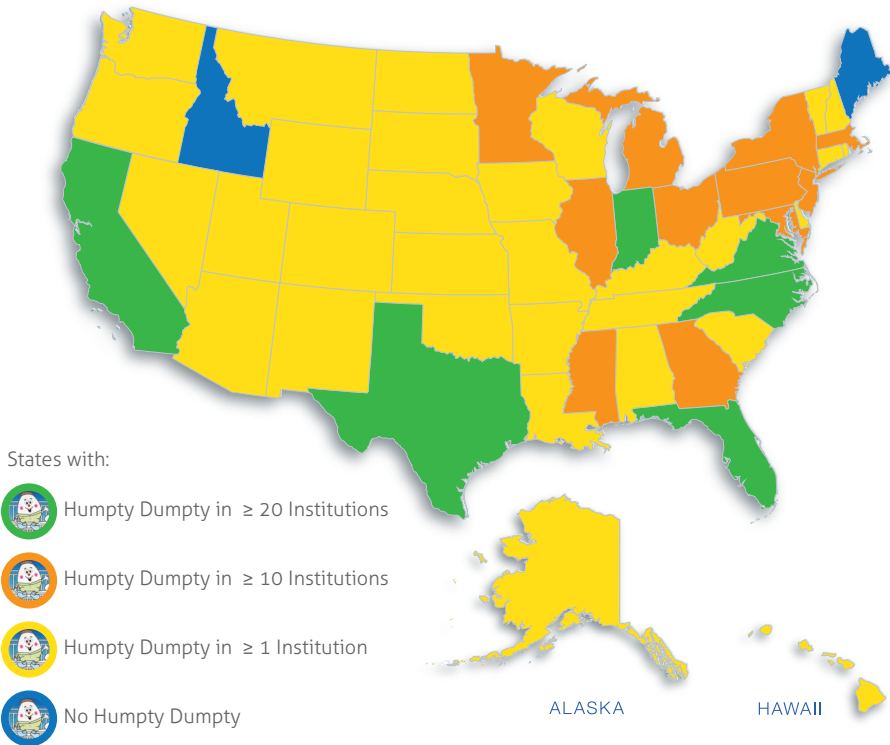
Best practices that have been developed include:

- Humpty Dumpty Falls Prevention™ Scales implemented in inpatient areas, the emergency Room and outpatient areas. The scales were developed after determining the most common themes in over 200 actual pediatric fall events from different hospitals.
- Standardized protocols for patients at low risk and for patients at high risk of falls
- Visual management signs for patients at high risk
- The Get Well Network patient education system now utilizes the Humpty Dumpty Falls Prevention tools for all client in-house networks
- A staff education module to ensure comprehensive, standardized education

For more information about the program or research study please email humptydumpty@mch.com

Where is The Humpty Dumpty Falls Prevention Program™?

The Humpty Dumpty Falls Prevention Program™ is currently in over 900 hospitals across the nation and over 150 internationally. The ultimate goal of the program is to improve the quality of care and reduce the risk of injuries in pediatric patients across the globe. The vision is one of recognition and sharing of best practices and research to keep children safe around the world.



North America

- Bermuda
- Canada (13)- Medicine Hat, Windsor, St. Thomas, Brampton, Vancouver, Markham, New Brunswick, Toronto, Vancouver Island, Sudbury, Nova Scotia

South America

- Brazil (2)- Soa Paolo, Cotia

Australia

- Australia (95)- Sydney, Sydney South, Broken Hill, Campsie (NSW) Melbourne, Alice Springs, Broome and Hamilton, Tasmania, Queensland, Wangaratta
- New Zealand (2)- Hamilton, Capital and Coast

Europe

- Italy (3)- Rome, Ponte Lambro, Firenze
- England- London
- Spain (2)- Andalusia, Alicante
- Belgium- Brasschaat
- Portugal (2)- Libon, Combra

EuroAsia

- Kingdom Of Saudi Arabia (7)
- United Arab Emirates (15)
- Israel- Petach Tikvah
- Dubai

Asia

- Indonesia (2)- Jawa Barat, Kota Palembang
- Japan- Kamogawa City
- Hong Kong (2)
- Philippines- Manila



Nicklaus Children's Hospital Humpty Dumpty Falls Prevention Program

The Humpty Dumpty Falls Prevention Program™ Ongoing Research



There have been two research studies that have been completed and a third ongoing. The first two studies were internal studies that demonstrated reliability and validity of the scales.

Results of Study 1- Retrospective chart review of actual patient falls (n= 153) and control group matching for age, gender and diagnosis (n= 153)

- Patients who score as “high risk” have about two times the risk of falling with a high-risk score of 12.85%
 - Increased risk actually high risk
- Specificity = 24%
 - Limitations- implemented based on need and empirical evidence.
 - Difficult to obtain specificity due to the implementation of a falls risk protocol for low and high-risk patients
- Predictive Value Positive (PVP)= 53%
 - Identified as high risk and actually fell
 - Implementation of the high-risk protocol at the same time helps prevent fall events
- Those who did not fall who were low risk

Results of Study 2- Retrospective chart review of actual patient falls (n= 164) and a random selection of control subjects (n= 517)

- Patients who score as “high risk” have greater than two times the risk of falling
 - Increased risk actually high risk
- Specificity = 39%
 - Limitations - implemented based on need and empirical evidence.
 - Difficult to obtain specificity due to the implementation of a falls risk protocol for low and high-risk patients
- Predictive Value Positive (PVP)= 29%
 - Identified as high risk and actually fell
 - Implementation of the high-risk protocol at the same time helps prevent fall events%
 - Those who did not fall who were low risk

Current Multi-Site Study in Progress

Since 2010, Nicklaus Children’s Hospital Department of Nursing has embarked on the hospital’s first International Multi-Site Research Study. Currently, there are 10 national and international hospitals participating in this five-year study. The study is designed to validate the scale and items of the scale from a multicultural perspective. Data collection began in 2010 and will continue through 2016. If interested in participating, please email

humptydumpty@nicklaushealth.org





Nicklaus Children's Falls Prevention Program Receives Top Magnet® Honor

The American Nurses Credentialing Center (ANCC) awarded its annual Magnet® Honors Award to Nicklaus Children's Hospital in recognition of the hospital's Humpty Dumpty Falls Prevention Program™. The program was developed by MCH clinicians to identify patients at risk and prevent falls in the care environment. The Magnet Honors Award is presented to a Magnet hospital that embodies excellence in patient care by creating and managing a transformational program that makes a difference for patients and nurses alike. The award was presented at the ANCC National Magnet Conference® in Dallas, Texas.

"We are honored to be recognized by the ANCC for the Humpty Dumpty Falls Prevention Program™. This initiative is a tangible expression of our nursing team's commitment to leadership in safety and excellence in patient care," said Jackie Gonzalez, DNP, ARNP, MBA, NEA-BC, FAAN, Senior Vice President and Chief Nursing Officer at Nicklaus Children's Hospital.



The Humpty Dumpty Falls Prevention Program™ In the Spotlight

- Hill-Rodriguez, D., Messmer, P., Wood, M.L., Williams, P., Zeller, R., Williams, A., & Henry, M.A. (2009). The Humpty Dumpty Falls Scale: A Case Control Study. *Journal of Specialists in Pediatric Nursing*, 14(1), 22-32.
- Rouse, M.D., Close, J., Prante, C., Boyd, S. (2014). Implementation of the Humpty Dumpty Falls Scale: A Quality Improvement Project. *Journal of Emergency Nursing*, 40(2), 181-188.
- Cordo, J., Hernandez, L., Hill-Rodriguez, D. (2014) Podium Presentation- *Defining a Pediatric Fall Event*. ANCC National Magnet Conference, Dallas, TX, October 10, 2014
- Gonzalez, J. (2014)- Podium Presentation- *Nursing Innovation and Evidence in Reducing Pediatric Falls Across the Globe*. Nursing Consortium of South Florida, Miami, FL, October 31, 2014