

Jay Berry, MD MPH

Young Clinician Award 2010

Investigator Profile

Education

- MPH, Harvard School of Public Health, 2006
- MD, University of Alabama School of Medicine, 2001
- BS, *summa cum laude*, University of Alabama, 1997

Clinical /Professional Appointment

- Instructor, Medicine, Children's Hospital, Boston, Harvard Medical School

Recent Honors and Awards

- 2010, Outstanding Achievement for Scientific Contribution, *AHRQ*

Mentor

- Dr. Ken Mandl, Intelligent Health Lab, Children's Hospital, Boston, Harvard Medical School



Impact on Care

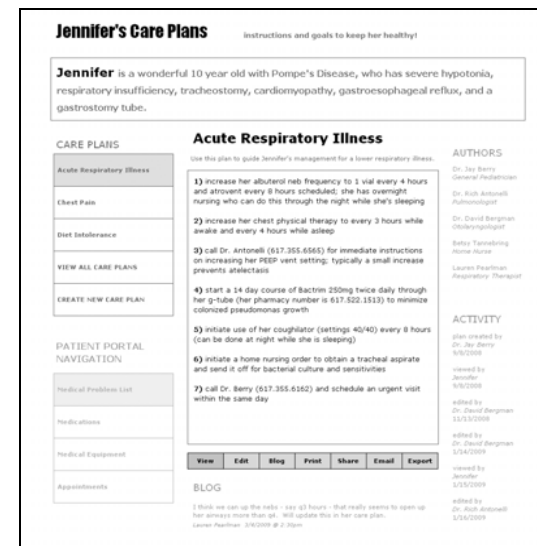
- The American Academy of Pediatrics recommends that all children with chronic illnesses should have a plan of care that provides instructions for optimizing a child's health and mitigating acute and chronic illness exacerbations.
- Children with complex medical needs across different healthcare sectors (hospital, primary, specialty and home care) and their families are navigating through an uncoordinated health system that is associated with absent proactive care planning, unnecessary emergency department visits, hospitalizations and readmissions.
- Care plans for these children, if they exist, are often stored and maintained within a medical record of one primary care practice or scattered among multiple specialty practices that do not permit patients, other practices or hospitals to view them.
- If successfully prototyped and implemented, an integrated, shareable, web-based care plan for children with complex medical needs may improve acute and chronic illness management for them and mitigate their need for emergency and hospital care.

Abstract

We propose to develop this integrated care plan (*iCarePlan*) application for children with complex medical needs who receive care from both community and hospital-based clinicians (e.g. home nursing, community primary care, and hospital-based pediatric specialists).

If optimally designed, each clinician actively participating in a child's care would contribute to the development and maintenance of a comprehensive plan of care that can be viewed by all existing providers and shared with new ones during acute medical situations (e.g. an emergency department clinician).

We will use a personally-controlled health record (PCHR) platform to prototype the care plan. Designed to exist outside the administrative structures of any particular health care institution or setting, PCHRs can be universally available via the internet and the World Wide Web to patients and providers across different settings.



Jennifer's Care Plans Instructions and goals to keep her healthy!

Jennifer is a wonderful 10 year old with Pompe's Disease, who has severe hypotonia, respiratory insufficiency, tracheostomy, cardiomyopathy, gastroesophageal reflux, and a gastrostomy tube.

CARE PLANS

Acute Respiratory Illness

Chest Pain

Diet Intolerance

VIEW ALL CARE PLANS

CREATE NEW CARE PLAN

Acute Respiratory Illness

Use this plan to guide Jennifer's management for a lower respiratory illness.

- 1) Increase her albuterol neb frequency to 1 vial every 4 hours and atrovant every 8 hours scheduled; she has overnight nursing who can do this through the night while she's sleeping.
- 2) Increase her chest physical therapy to every 3 hours while awake and every 4 hours while asleep.
- 3) call Dr. Antonelli (617.355.6561) for immediate instructions on increasing her PEEP-vent settings; typically a small increase prevents atelectasis.
- 4) start a 14 day course of Bactrim 250mg twice daily through her g-tube (her pharmacy number is 617.522.1513) to minimize colonized pseudomonas growth.
- 5) initiate use of her coughlator (settings 40/40) every 8 hours (can be done at night while she is sleeping).
- 6) initiate a home nursing order to obtain a tracheal aspirate and send it off for bacterial culture and sensitivities.
- 7) call Dr. Berry (617.355.6362) and schedule an urgent visit within the same day.

VIEW EDIT BLOG PRINT SHARE EMAIL EXPORT

AUTHORS

Also created by:
Dr. Jay Berry
General Pediatrician

Dr. Rob Antonelli
Pulmonologist

Dr. David Bergman
Infectiousologist

Betsy Tansler
Home Nurse

Lauren Pfeiffer
Respiratory Therapist

ACTIVITY

Also created by:
Dr. Jay Berry
1/15/2010

Viewed by:
Jennifer
1/15/2010

Added by:
Dr. David Bergman
1/15/2010

Added by:
Dr. David Bergman
1/16/2010

Viewed by:
Jennifer
1/15/2010

Added by:
Dr. Rob Antonelli
1/15/2010

BLOG

I think we can up the neb's - say q3 hours - that really seems to open up her airways more than q4. Will update this in her care plan.
Lauren Pfeiffer 1/15/2010 @ 2:30pm