

# Protecting Patient Safety One Vaccination at a Time

## BUSINESS CHALLENGE

Extensive reporting requirements accompany the administration of medication, particularly in the pediatric setting. All About Kids needed a way to deliver healthcare more efficiently to patients and exceed expectations for patients safety, HIPAA and compliance obligations to authorities.

## SOLUTION

Wasp 450H healthcare barcode scanner helps All About Kids automatically capture and record medication administration data and electronically compile reports for submission and compliance

## BENEFITS

Average patient encounter documentation:

**30** minutes then  
**10** seconds now  
**99.5%** faster  
**100%** accuracy

## CUSTOMER PROFILE

- Orlando, FL pediatric clinic
- Established 2007
- 2 physicians
- 5 nurses
- 500 visits weekly



*Since much of our day is providing for well-patients, we need to keep thorough records, track vaccinations and ensure the process is safe and efficient. We can't waste our time combing through paperwork.*

*- Pat Cassidy, All About Kids Pediatrics*

The healthcare delivery system continues to evolve under intense scrutiny. In 2009, the adoption and meaningful use of health information technology was mandated in the Health Information Technology for Economic and Clinical Health (HITECH) Act, a central component in the Affordable Care Act legislation. Three years earlier in 2006, the FDA barcode mandate took effect. Drug manufacturers must apply barcode labels with National Drug Codes (NDC) to all medications. Fueled by compelling Institute of Medicine (IOM) evidence which attributed as many as 100,000 preventable hospital deaths each year to medication administration error, the statute is intended to increase service provider accountability to outcomes.

Enter All About Kids Pediatrics, a healthcare service provider of newborns and children up to 18 years of age. Established in 2007, two physicians and five nurses see an average of 80 to 100 children every day. Protecting patient safety and delivering care efficiently are top priorities. Since many of its patients seek preventive services like vaccinations, All About Kids staff spends considerable

time documenting the care they provide.

“Before the FDA required the healthcare industry to incorporate barcodes, documenting and tracking took hours,” said Pat Cassidy, Front Office Manager at All About Kids Pediatrics. “Since much of our day is providing for well-patients, we need to keep thorough records, track vaccinations and ensure the process is safe and efficient. We can't waste our time combing through paperwork.”

## Medication Administration Made Easy

All About Kids utilizes Wasp's WWS450H healthcare barcode scanner with state-of-the-art 2D barcode scanning technology and Microban® Antimicrobial protection. While many antimicrobial devices are simply coated with a protective film that could wear off and encourage bacterial growth, the built-in Microban® protection in Wasp's WWS450H will not wear off; it safely withstands daily cleaning in a harsh healthcare environment.

The FDA has mandated the presence of AIDC technology in medication

administration, barcode quality is not regulated. Error factors like poor contrast, reflectance, modulation and other quality specifications are heightened in this pediatric healthcare setting. Thankfully, the WWS450H makes a moot point of this regulatory ambiguity. Its powerful digital imager scan engine reads bar code data from nearly two feet away - allowing staff the freedom to care for more patients with less interruption.

## Wasp Barcode Technologies Helps All About Kids Protect Patient Safety

All About Kids implemented Wasp barcode scanning solutions, and immediately benefitted from the digital makeover. The use of barcode technology in medication administration has reduced All About Kids' medication administration documentation time by 50%.

"In my previous experience it took a long time to track the lot number of the vaccine, the company from which it came, its expiration date, the place on the body the shot was given, name of the staff member who was giving the shot, paperwork provided to patient and parent signature – it could take up to 30 minutes to give one shot," said Cassidy. Now, nurses can complete the process in three quick scans: the barcode on the vial, their I.D., and the patient's paperwork.

### BENEFITS OF WASP'S 450H BARCODE SCANNER:

- Built-in Microban® Antimicrobial protection
- Accurate patient care documentation, including automatic medication data capture with 1D or 2D barcodes
- Compatibility with EHR software
- Less administrative burden for patient records and vaccine registries
- Accurate reads of poorly printed or damaged barcode data up to 20" away
- Versatile, user-friendly design

## Preparing for the Future of Care Delivery

All About Kids sets the industry pace for preparedness when it comes to health IT. Prior to upgrading to Wasp's WWS450H, All About Kids was a satisfied customer of Wasp's WLS9500, a workhorse with a laser scan engine. "For over five years we have continued to use Wasp's barcode scanners because they are just so easy to use and eliminate paperwork entirely," said Cassidy.

Roughly 14 years have passed since the initial IOM report, To Err is Human, cited medication administration concerns. Industry stakeholders have grappled with provisions of health care legislation, changes in industry standards and competing Federal-State issues that impact the system. Mounting pressure is being placed on the FDA to provide guidance to industry. As this guidance takes shape and healthcare providers prepare for effective and accountable care delivery in a digitally driven world, All About Kids Pediatrics is already demonstrating success.

*For over five years we have continued to use Wasp's barcode scanners because they are just so easy to use and eliminate paperwork entirely.*

*- Pat Cassidy, All About Kids Pediatrics*

## MORE CASE STUDIES



Florida Urban  
Search and  
Rescue



Orthopedic  
Solutions



University of  
Iowa EMSSIO