



# **Corporate Backgrounder**

# The IntelliDOT Mission: Preventing Medication and Other Errors at the Bedside

IntelliDOT Corporation was founded in 2002 to support the healthcare industry's mission of promoting higher quality care and improved patient safety by preventing five rights-related errors at the bedside. To improve patient safety by reducing the risk of bedside medical errors, IntelliDOT builds its barcode point-of-care (BPOC) solutions upon these core principles:

- Deep understanding of clinical process and workflow incorporated in intuitive software
- Ease-of-use to drive fast clinical adoption and high usability typically exceeding 95 percent
- Ability to communicate with any pharmacy system and HIS
- Expert clinical implementation within 4-6 months, less than a third of the time required by competitors
- Affordability backed by comprehensive system guarantees to reduce cost of ownership

As a result, IntelliDOT differentiates itself as a best-in-class specialist in BPOC solutions. BPOC is its core business, not just a part of it.

# Product Innovation: Interoperability at the Bedside

The IntelliDOT® System is the first wireless, nurse-centric workflow manager to connect caregivers with the information systems they need at the point-of-care. It provides a straightforward user interface that supports a comprehensive approach to medication safety and documentation at the bedside in a variety of healthcare settings. The lightweight, wireless handheld enables nurses to perform safety checks and safely administer medications, collect lab specimens and vital signs, as well as administer blood products and mother-baby breast milk matching at the bedside with just one hand. Because each nurse can have his or her own handheld unit, each nurse has real-time communication about their assigned patients without having to log in to a computer system or share a laptop. The alerts, follow-ups, and new orders come directly to them from the IntelliDOT System from shift start to end.

IntelliDOT's single handheld solution covers the full spectrum of patient safety needs and brings interoperability to the bedside – even in isolation rooms where it can be used through a sterile plastic bag.



IntelliDOT Bedside Medication Administration™ – At bedside, easy-to-read screen prompts guide the nurse through medication administration workflows. The IntelliDOT System verifies the five rights of medication management: right medication, right dose, right route, right patient, and right time. Customized visual and audible prompts and warnings assure medications are also administered and documented correctly.



**IntelliDOT Phlebotomy Specimen Collection**<sup>™</sup> – At bedside, the IntelliDOT handheld guides phlebotomists and nurses through safe and accurate specimen collection. Specimen labels are printed at bedside using a small portable wireless printer, eliminating the confusion and mislabeling that can occur with labels printed away from the patient's bedside.



**IntelliDOT Vital Signs Collection**<sup>TM</sup> – Vital signs information and other clinical documentation can be captured using the same IntelliDOT handheld. The captured data can populate the eMAR or electronic flow sheets and/or print on separate patient-specific flow sheets.



IntelliDOT Blood Product Administration<sup>™</sup> – Assists in positively identifying the correct blood product for patients and document relevant clinical data on the transfusion record. The IntelliDOT System provides notification when the blood is ready, when to begin the transfusion, and reminds the nurse to check patients at configurable time frames during transfusion and to return blood to the blood bank if the expiration time is reached.



IntelliDOT Mother-Baby Breast Milk Matching<sup>TM</sup> – Using the same IntelliDOT handheld device and a small portable wireless printer, a nurse can print barcode labels for milk containers at the time milk is received from the mother or the mother can take and apply the labels at home. At administration, the infant's ID band is scanned along with the breast milk container assuring positive identification and accurate feeding.

#### **Main Features**

- Purpose-built custom handheld communication device
- Displaying easy-to-use, intuitive software walking clinicians through workflows
- 12+ hour battery life
- Scans all 1D and 2D barcodes
- RFID and Bluetooth functionality
- Rugged, dependable and designed for the harsh healthcare environment
- · Easily cleaned and disinfected
- Enhanced clinical work flows eliminating workarounds

### **Key Benefits**

- Eliminates five rights-related medication errors at the bedside
- Requires scanning of patient's wristband first
- Ensures collection of the full spectrum of patient data
- · Easy to use learn in one shift
- No specific NDC codes to program in pharmacy
- Wireless handheld vs. heavy computer carts
- Rapid implementation and return on investment

### The IntelliDOT Difference

IntelliDOT is a leader in BPOC. It's the only focus of the business, not merely a part of it. IntelliDOT also differentiates itself in the marketplace in the following ways:

- Designed by nurses for nurses
- Simplified, optimized user interface
- Works with any pharmacy system or HIS
- Industry leading one-stop installation with fast customer ROI

In addition, the IntelliDOT System goes beyond traditional barcode scanning to give nurses more flexibility and provide added safety measures. When additional information or tasks need to be captured at the point-of-care, nurses can quickly document them by scanning small, two-dimensional workflow DOTs – IntelliDOT's patented "Documentation of Treatment" system. Nurses scan the DOTs to record patient observations, injection sites, or reasons for not giving a scheduled medication, for example. This flexibility is one of the key differences that set the IntelliDOT System apart from the competition.

For more information, contact:

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# Overview: Bedside Patient Safety Technology for Medication Administration

# Medication Errors: Deadly, Expensive and Common<sup>1,2</sup>

- 7,000 hospital deaths from medication errors each year and another 400,000 hospital-based medication injuries annually
- 19 percent of all medications are issued in error
- Medication errors cost a typical hospital more than \$1 million per year
- Insurers, government no longer reimbursing for care associated with medication errors
- Medication errors leave hospitals, caregivers and drug manufacturers vulnerable
  - O Dennis Quaid's twins with headline-making Heparin overdose, as aired on 60 Minutes: \$750,000 settlement with the hospital; lawsuit pending with drug manufacturer
- On average, a patient will be subjected to a medication error each day occupying a hospital bed
- Serious medication errors occur every three hours in a 200-bed hospital

# Examples of Common Medication Errors that can be Prevented with Bedside Patient Safety Technology, such as Barcode Point-of-Care (BPOC)

- Doctors writing prescriptions that could interact dangerously with other prescribed drugs;
- Nurses putting the wrong medication or the wrong dose in an intravenous drip, or
- Pharmacists dispensing 100-milligram pills rather than the prescribed 50-milligram dose.

#### Bedside Barcode Point-of-Care Can Protect Patients – and Nurses

- Nurses often administer as many as 200 medications per 12-hour shift, but can spend as much as 81 percent of their time at nursing stations
- BPOC uses unique identifying barcodes for patient and medication/dose for Five Rights checking:
  - o Right patient, right medication, right dose, right route, right time
- Barcoding software issues alerts and reminders for route, timing and offers additional, automatic
  safety features such as drug interaction checking, allergy checking (when accurate allergy information
  is available) or even weight-based dosing checks
- Barcoding software provides automatic charting to the electronic medication administration record for efficiency of record-keeping

### What Makes the IntelliDOT BPOC System Unique and Effective

- It's a true bedside solution
  - o Handheld, lightweight (8 oz.) wireless scanner that can be operated with one hand
  - Most BPOC solutions rely on computers on wheels with tethered handhelds may not fit in patient rooms, causing nurses to do safety checks in the hallway using workarounds such as a pick list of patient names, or to enter data at nursing stations
- Each nurse receives a personal IntelliDOT handheld which is carried throughout the entire shift
  - o All medication orders are customized to the nurse's handheld and patient assignments
  - o Devices remain charged for 12+ hours and are not shared among nurses, so alerts and reminders are not inadvertently overlooked
  - Visible and audible alerts and reminders keep nurses up-to-date, even as medications are changed





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- It's designed by nurses, for nurses
  - o Intuitive workflow fits existing nursing routines and can be customized by hospital
  - o Most BPOC solutions have a one-size fits all pharmacy-centric approach
  - o Can usually be learned in a single shift
- Proven to be effective at nearly 60 hospitals large and small
  - o More than 30 million successful medication administrations since introduced
    - More than 71,000 medication administrations per day with IntelliDOT System
    - Estimated 76,000 serious medication errors prevented
  - o Typically 95 percent and higher adoption rates by nurses keeps patients safer
    - Safety systems are only effective if they are used regularly and as intended
  - o Observational studies prove the IntelliDOT System can reduce serious errors to zero
    - Ten hospitals studied between June 2004 and September 2008

	Pre-IntelliDOT	With IntelliDOT
Med Administration Observations	2389	2389
Total Errors	591 (24.7%)	224 (9.4%)*
		Timing errors only
Serious Errors	39 (1.6%)	0 (0%)
Patient not identified per policy	1,792 (75.0%)	0 (0%)
Clinical parameter not charted per policy	137 (5.73%)	1 (0.04%)

#### IntelliDOT Solutions

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<sup>&</sup>lt;sup>2</sup> American Medical Association, 2002: Barker KN, Flynn EA, Pepper GA, Bates DW, Mikeal RL. Medication Errors Observed in 36 Health Care Facilities. Arch Intern Med. 2002;162:1897-1903



<sup>&</sup>lt;sup>1</sup> Institute of Medicine, 2006



# IntelliDOT to Showcase New NDC Matching Capability at HIMSS 2009

- Barcode point-of-care system adds support for equivalent doses, automatic drug updates -

**SAN DIEGO, CA, March 19, 2009** – IntelliDOT Corporation, a leading provider of wireless, handheld barcode point-of-care (BPOC) solutions to hospitals, today announced that it will present information about its industry-leading NDC matching capability at HIMSS 2009 Annual Conference & Exhibition in booth 1476.

The new NDC matching capability, released in version 2.6 of the IntelliDOT System, takes advantage of IntelliDOT's industry-leading medication database, which allows the system to store multiple brands of the same medication. Unlike other BPOC systems that rely on matching a single, brand-specific NDC code to a medication order, the IntelliDOT System database can store multiple NDCs and barcodes for different manufacturers of the same medication (e.g. – ibuprofen or brand-name versions such as Advil and Motrin). The IntelliDOT System accurately links the correct NDC number for each dose scanned at bedside and automatically sends it to the hospital's billing system. By assuring accurate NDC matches for all medications administered in outpatient areas, the IntelliDOT System enables hospitals to meet the billing requirements of the Centers for Medicare and Medicaid Services (CMS) and prevent lost revenue due to inaccuracies.

The IntelliDOT System is a best-of-breed wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, the IntelliDOT System enables clinicians to perform safety checks and safely administer and document medications at the bedside using a lightweight, handheld device. The IntelliDOT System satisfies Joint Commission standards for patient identification and assures accuracy by verifying the five rights of medication administration: right medication, right dose, right route, right patient, right time; as well as ensuring required follow-up documentation, such as pain scale, is performed in a timely manner and accurately recorded.

# NDC problems can jeopardize patient safety

BPOC systems that do not accurately support multiple NDCs and barcodes from all brands used in the pharmacy can cause mismatches during bedside scanning. This can result in work interruptions or workarounds that can erode patient safety. To overcome these scanning

problems, some BPOC software systems allow nurses to select a patient ID number from a list in the software instead of scanning the specific medication. Since no scanning is required, the nurse can complete the medication check on a computer outside the patient's room without confirming that it is the right medication and dose, defeating the patient safety benefits of BPOC.

IntelliDOT's approach assures a successful scan regardless of medication brand. As a result, the system does not need alternative methods of selecting drugs at bedside.

"IntelliDOT is committed to eliminating roadblocks to patient safety by addressing common scanning problems that can occur at the bedside," said David Swenson, Chief Clinical Officer at IntelliDOT Corporation. "By providing a solution that adequately addresses bedside issues such as NDC mismatching and generic equivalents, we help ensure that caregivers will use the system as intended – without workarounds. The latest advancements in version 2.6 take the system to a new level, and in turn, help hospitals achieve safer medication administration – all the way from the pharmacy to the bedside."

# Version 2.6 adds equivalent doses support

Another new function in IntelliDOT System version 2.6 is Medication Equivalent Dose Support. This feature provides flexibility that nurses sometimes need during medication administration. During setup, pharmacists build groups of the same medication in varying doses. When nurses are faced with an urgent medication order and the ordered strength is not available, this feature allows the nurse to scan two or more dosage amounts of the same medication to satisfy an order. For example, if the strength of a prescribed medication is 40 mg, this new feature allows the nurse to scan either two 20 mg tablets or one 40 mg tablet to satisfy the order without receiving a *wrong medication* alert.

In providing this flexibility, IntelliDOT's handheld device does not compromise patient safety. The amount of each medication is checked to assure the total dose is satisfied exactly and not exceeded or under-dispensed. This feature also accommodates range orders, commonly used for narcotic analgesics, allowing the nurse to select from the smallest necessary cartridge size required to satisfy the order. This avoids the need to dispense large dosage sizes of controlled drugs when only a small amount is needed.

"This is a very nice feature that will lead to greater efficiencies between the pharmacy and nursing," said Marc Rafferty, Pharmacy Informatics Coordinator at the 144-bed Jane Phillips Medical Center, Bartlesville, Okla. "This enhancement is completely configurable and is one more example of how IntelliDOT develops features that can be customized to each end user."

## Easy Check provides automatic clinical drug updates

IntelliDOT's *Easy Check* feature is enhanced in version 2.6. *Easy Check* helps pharmacists stay up-to-date with continually changing drug information, such as NDC codes, by providing an automated update to the hospital's IntelliDOT formulary. *Easy Check*'s NDC auditor and look-up feature automatically identifies outdated and missing NDC codes in the database, identifies valid replacements, and then emails a designated pharmacist to inform them of the pending

changes. Once approved by the pharmacist, *Easy Check* automatically updates the database with the new information.

"Easy Check provides the pharmacy with a more efficient mechanism for maintaining our formularies within IntelliDOT," said Rafferty. "This is another tool for the pharmacist to do that more efficiently and effectively."

# **About IntelliDOT® Corporation**

IntelliDOT is a leading provider of wireless, handheld, barcode point-of-care (BPOC) solutions that connect to any healthcare information system to improve patient safety and nurse workflow. When using the IntelliDOT system, nurses can easily manage all tasks associated with five-rights medication administration safety checks and related documentation. Additional system modules that run on the same handheld device include: IntelliDOT Phlebotomy Specimen Collection<sup>TM</sup>, IntelliDOT Blood Product Administration<sup>TM</sup>, IntelliDOT Mother-Baby Breast Milk Matching<sup>TM</sup>, and IntelliDOT Vital Signs Collection<sup>TM</sup>. IntelliDOT was founded in 2002 and is headquartered in San Diego. More information can be found at <a href="https://www.intellidotcorp.com">www.intellidotcorp.com</a>.

Except for the historical information contained herein, this news release contains forward-looking statements that involve risks and uncertainties, including, but not limited to, risks and uncertainties associated with market acceptance of the CAREt System, whether the company will be successful in raising additional funds, the risk that sales of the CAREt System will not increase to target levels, and the effectiveness and marketability of healthcare information technologies, as well as other risks.

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# Ottawa Regional Hospital & Healthcare Center Moves to a Single Solution for Bedside Patient Safety with IntelliDOT

-Integrates with MEDITECH Magic through Interface from Iatric Systems, Inc. -

SAN DIEGO, CA, March 9, 2009 -- IntelliDOT Corporation, a leading provider of handheld, barcode point-of-care (BPOC) solutions to hospitals, today announced that Ottawa Regional Hospital & Healthcare Center, Ottawa, Ill., has selected IntelliDOT as its Barcode Point-of-Care (BPOC) provider to improve bedside patient safety. The hospital has already implemented IntelliDOT Bedside Medication Administration<sup>TM</sup>, IntelliDOT Vital Signs Collection<sup>TM</sup>, and IntelliDOT Phlebotomy Specimen Collection<sup>TM</sup> and plans to implement IntelliDOT Blood Product Administration<sup>TM</sup> in the near future.

"Ottawa Regional Hospital & Healthcare Center is taking a leadership role among regional hospitals in adopting the full spectrum of BPOC solutions to enhance patient safety from the pharmacy, to the lab, to the blood bank, and to the patient's bedside," said Thomas G. Klopack, president and CEO of IntelliDOT. "IntelliDOT is proud to be Ottawa Regional's BPOC vendor of choice."

"The whole idea of adopting the IntelliDOT System is to try to remove human error and keep patients safer," said Paul Holverson, R.Ph., pharmacy director at Ottawa Regional Hospital & Healthcare Center. "As long as the nurse follows the alerts in the IntelliDOT System, we can eliminate the possibility of patients receiving the wrong drug."

Ottawa Regional wanted a BPOC system that did not rely on computers on wheels or tethered handhelds. An added benefit to choosing the IntelliDOT System is that it provided a full spectrum of patient safety checks on a single, handheld device.

"With medication administration, vital signs collection and phlebotomy specimen collection functions in one system, our nurses have to carry only one handheld unit," said John Maynard, Director of Information Systems at Ottawa Regional. "Plus, the IntelliDOT System is wireless, so the nurses no longer have to export and import data via a remote jack."

Ottawa Regional engaged Iatric Systems, a company that creates interfaces to MEDITECH Hospital Information Systems (HIS), to deploy a bidirectional interface between the IntelliDOT System and the MEDITECH Magic HIS. Medication orders are entered into the MEDITECH pharmacy system and transmitted to the IntelliDOT System, where they appear on the electronic

Medication Administration Record (eMAR) and on the nurse's handheld. After the nurse scans the patient's wristband and medication with the IntelliDOT handheld, that data automatically populates the IntelliDOT eMAR and flows to the MEDITECH patient care module. Iatric Systems also built an interface for the IntelliDOT Vital Signs Collection and Phlebotomy Specimen Collection modules.

"We have used Iatric Systems for interface projects in the past and had a very good experience with them," said Maynard. "They have interfaced the IntelliDOT System with MEDITECH systems before, so they didn't have to build a new interface and we got a faster turnaround. Also, we found the cost of Iatric Systems' interfaces to be significantly less than MEDITECH's. Overall, everything went very well with the IntelliDOT implementation."

The IntelliDOT System is a best-of-breed wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, the IntelliDOT System enables clinicians to perform safety checks and safely administer and document medications at the bedside using a lightweight, handheld device. The IntelliDOT System satisfies Joint Commission standards for patient identification and assures accuracy by verifying the five rights of medication administration: right medication, right dose, right route, right patient, right time; as well as ensuring required follow-up documentation, such as pain scale, is performed in a timely manner and accurately recorded.

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# IntelliDOT Bedside Medication Administration<sup>TM</sup> Goes Live at 55<sup>th</sup> Hospital

-Hiawatha Community Hospital Implements IntelliDOT Barcode Point-of-Care Patient Safety Solution-

**SAN DIEGO, CA, February 5, 2009** -- IntelliDOT Corporation, a leading provider of wireless, handheld barcode point-of-care (BPOC) solutions to hospitals, today announced that IntelliDOT Bedside Medication Administration<sup>TM</sup> (IntelliDOT BMA<sup>TM</sup>) is now being used by 55 U.S. hospitals. Hiawatha Community Hospital became the 55<sup>th</sup> customer to go live with the IntelliDOT System on January 20, 2009.

"This milestone is testimony to the healthcare industry's confidence in IntelliDOT's BPOC solution as a proven patient safety initiative," said Thomas G. Klopack, president and CEO of IntelliDOT. "From our very first customer to our 55<sup>th</sup>, our customers are proof that medication errors can be eliminated at the bedside, and patient lives are being saved, with the IntelliDOT System."

Stillwater Medical Center, Stillwater, OK, was the first hospital to implement IntelliDOT BMA in 2004. At that time, IntelliDOT and Stillwater's nurses, pharmacists and management worked closely together to fine tune and enhance the system. For example, one of Stillwater's nurses suggested scanning a DOT to notify the pharmacy to replace a missing medication. IntelliDOT quickly incorporated that idea, which helped make the product even more efficient for nurses.

According to Bill Arrington, Director of Pharmacy at Stillwater Medical Center, the hospital has safely administered more than 1 million medications using the IntelliDOT System. "I think IntelliDOT will continue to expand the capabilities of this product, and feedback from customers will be even more important," Arrington said. "IntelliDOT invited us to tell them what we like and don't like about the system. That's a good indication that IntelliDOT cares about its customers and will do everything it can to grow and improve."

As the 55<sup>th</sup> hospital to go live with IntelliDOT BMA, Hiawatha Community Hospital, a critical access hospital in Hiawatha, KS, has already seen improvements in patient safety. One key benefit is the IntelliDOT System's ability to provide 24-hour drug interaction checking, even when the pharmacy is closed.

"Hiawatha is excited to be a part of IntelliDOT's success," said John Moore, CEO.

"We realized that there were holes in our systems that IntelliDOT's barcoding solution could plug. Now I can go back to the community and say we're doing everything we can do technically to make this a safe hospital."

The IntelliDOT System's intuitive workflow works with nurses instead of against them. The system is designed to prevent workarounds, helping clients achieve 95 percent or higher user compliance rates, based on actual usage data. IntelliDOT clients use the IntelliDOT System successfully to administer more than 2 million medications each month.

Client success in eliminating serious five rights-related medication errors has been documented in statistically significant observation studies completed in cooperation with clients at 10 sites, involving nearly 2,400 medication administrations. Serious errors were defined to be the administration of the wrong medication, wrong dose, or administration of a medication to the wrong patient.

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# Hiawatha Community Hospital Brings Medication Safety to the Bedside with IntelliDOT Barcode Point-of-Care System

-IntelliDOT Selected as Effective, Affordable Solution for Critical Access-

**SAN DIEGO, CA, February 4, 2009** – IntelliDOT Corporation, a leading provider of handheld, barcode point-of-care (BPOC) solutions to hospitals, today announced that Hiawatha Community Hospital, a 25-bed critical access hospital in Hiawatha, Kansas, has implemented IntelliDOT Bedside Medication Administration<sup>TM</sup> to improve patient safety at the bedside.

The IntelliDOT System is a wireless, handheld BPOC solution for bedside medication administration, ensuring and documenting the five rights of medication management: right medication, right dose, right route, right patient and right time.

"We wanted to be sure that we were doing everything we can do technically to make this a safe hospital," said John Moore, CEO of Hiawatha Community Hospital. "In addition to five rights patient safety checks, a key benefit of the IntelliDOT System was its ability to provide drug interaction checking, even when the pharmacist is off-duty."

Lisa Thompson, Director of Nursing at Hiawatha Community Hospital, added, "Everyone is at risk for a sentinel event. We all have potential for error. With the IntelliDOT System, we've reduced that."

The IntelliDOT System integrates with Hiawatha's Hann's On Ascend Pharmacy System. Orders from the pharmacy system are sent via HL7 and appear on the nurse's IntelliDOT wireless handheld device. Data elements include: patient demographic and identification information, patient allergy information, order number, ordered medications, dose amounts, dose units, SIG codes, custom dose times, route, order start/stop times and order status. The IntelliDOT handheld provides individual reminders for medications due, late medications and even follow-up pain scale collection reminders. When the nurse responds to the IntelliDOT System's prompts at bedside, and enters medication administration and follow-up documentation, the data is sent to the IntelliDOT eMAR, which Hiawatha is using as the legal patient medication administration record.

Hiawatha selected the IntelliDOT System because it was an effective and affordable handheld solution.

"One of the hardest things for us was to find a barcoding system that was feasible financially for our sized facility," said Jean Abeita, Director of Pharmacy at Hiawatha Community Hospital. "Computers on wheels wouldn't work for us and tablets don't work very well from an infection-

control standpoint. We needed something very portable, very infection-control friendly; something that would meet our budget and the physical constraints of an old building."

"This is a product that will work for our hospital," Thompson added. "It fits right in with what we do now. Instead of carrying a pen, we will be carrying scanners."

The IntelliDOT System's intuitive workflow works with nurses instead of against them. The system is designed to inhibit workarounds, helping clients achieve 95 percent or higher user compliance rates, based on actual usage data.

"Critical access hospitals may operate on a smaller scale but they face the same challenges and requirements as larger hospitals," said Thomas G. Klopack, president and CEO of IntelliDOT. "We are committed to ensuring that cost is not a barrier to bedside patient safety at these hospitals. We provide the same electronic safety system and the same expert implementation and quality service to all of our clients, whether they have 10,000 beds or just 25."

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# Mission Regional Medical Center Selects IntelliDOT as a Key Component of its Bedside Patient Safety Initiative

- IntelliDOT Phlebotomy Specimen Collection<sup>TM</sup> to be Installed Q1 2009 -

**SAN DIEGO, Calif., Dec. 18, 2008** – IntelliDOT Corporation, a leading provider of wireless, handheld barcode point-of-care (BPOC) solutions to hospitals, today announced that Mission Regional Medical Center, Mission, Texas, has selected IntelliDOT to help eliminate phlebotomy specimen collection errors at the bedside. The non-profit, 297-bed medical center, which provides general hospital services to the people of the Rio Grande Valley, will begin installing IntelliDOT Phlebotomy Specimen Collection (IntelliDOT PSC<sup>TM</sup>) in the first quarter of 2009.

The IntelliDOT System is a best-of-breed wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by clinicians for clinicians, IntelliDOT PSC reduces the risk of specimen collection errors while reducing turnaround time using a lightweight 8-ounce handheld device. The IntelliDOT System satisfies Joint Commission standards for patient identification, helps hospitals meet Clinical Laboratory Improvement Amendment (CLIA) requirements, and reduces pre-analytical errors that could lead to duplicate tests, misdiagnosis, unnecessary procedures or delays in treatment. The system can also be seamlessly integrated with IntelliDOT's medication safety solution and link to any host hospital information system with inbound interfaces to import admission, discharge, and transfer (ADT) and laboratory order information, or outbound to populate the hospital's electronic medical records (EMR).

According to Laboratory Director Carlos Gonzalez, Mission Regional was looking for a way to increase efficiencies for its team of phlebotomists, especially for STAT! collections and redraws. Currently Mission Regional phlebotomists perform more than 16,000 specimen collections per month. However, the pre-printed label-based process has become increasingly challenging, especially since the hospital's overhead paging system was limited for Hospital Emergency Response Codes due to the Mission Regional Medical Center "Quiet Program."

"Currently, orders print out in the lab area. When a phlebotomist comes down from one of the floors they can get frustrated if there are orders waiting for patients that are on the floors they had just been on," said Gonzalez. "My biggest challenge or concern is how to get information to our phlebotomists that are already out collecting in the patient care areas."

With the IntelliDOT System, phlebotomists will receive STAT! alerts on the wireless IntelliDOT handheld device while still in the nursing unit, eliminating the need for repeated trips to the laboratory to pick up printed labels.

Another key issue for Mr. Gonzalez is whether phlebotomists are following the hospital and laboratory policies and procedures for identification and collection. "We have been concerned, but never had any real evidence or report that the National Patient Safety Goals (patient identifiers) were not being followed as outlined in our policies and procedure reviews," said Gonzalez. "I believe IntelliDOT will resolve this issue."

Mr. Gonzalez is also hopeful that IntelliDOT PSC will help with blood draws for transfusions. "We have a blood bank policy that our phlebotomists can only draw from the person that is having the transfusion. Once that has been completed, they must bring the specimen back down to the lab immediately to avoid any kind of mislabeling, even if the phlebotomist has other orders on that same floor. So we are hoping IntelliDOT will streamline this process and perhaps save 60-70 percent of someone's time," said Mr. Gonzalez.

"IntelliDOT PSC is the easiest, surest way to prevent lab specimen errors, which could otherwise result in incorrect or inaccurate results," said Dave Swenson, co-founder and chief clinical officer of IntelliDOT Corporation. "Hospitals using IntelliDOT PSC have found that the system helps reduce costs by eliminating repeat tests and unnecessary procedures, not to mention the physical and emotional stress on the patient. We are delighted that Mission Regional Medical Center has selected IntelliDOT."

# **About IntelliDOT® Corporation**

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# Seventeen Additional Health Management Associates Hospitals Go Live with IntelliDOT Corporation's Barcode Point-of-Care Solution

-HMA Moves Closer to Goal of 56 IntelliDOT Implementations Within Three Years-

SAN DIEGO, CA, December 8, 2008 – IntelliDOT Corporation, a leading provider of wireless, handheld barcode point-of-care (BPOC) solutions to hospitals, today announced that the IntelliDOT Bedside Medication Administration™ solution has been successfully implemented at 17 additional Health Management Associates (NYSE: HMA) hospitals. This brings the total number of HMA hospitals enhancing patient safety with the IntelliDOT System to 41 out of the network's 56 facilities.

The most recent HMA hospitals to embrace barcode medication verification at the point-of-care include:

- Carolina Pines Regional Medical Center, a 116-bed facility in Hartville, SC
- Crossgates River Oaks Hospital, a 134-bed facility in Brandon, MS
- River Oaks Hospital, a 110-bed facility in Flowood, MS
- Woman's Hospital at River Oaks, a 111-bed facility in Flowood, MS
- Davis Regional Medical Center, a 149-bed facility in Statesville, NC
- Biloxi Regional Medical Center, a 153-bed facility in Biloxi, MS
- Lehigh Regional Medical Center, an 88-bed facility in Lehigh Acres, FL
- Walton Regional Medical Center, a 135-bed facility in Monroe, GA
- Franklin Regional Medical Center, a 70-bed facility in Louisburg, NC
- Barrow Regional Medical Center, a 56-bed facility in Winder, GA
- Heart of Florida Regional Medical Center, a 142-bed facility in Greater Haines City, FL
- Venice Regional Medical Center, 312-bed facility in Venice, FL
- Santa Rosa Medical Center, 129-bed facility in Milton, FL
- Riverview Regional Medical Center, 281-bed facility in Gadsden, AL
- Sebastian River Medical Center, 129- bed facility in Sebastian, FL
- Dallas Regional Medical Center, 176-bed facility in Mesquite, TX
- Stringfellow Memorial Hospital, 125-bed facility in Anniston, IL

"Ease of implementation is one of the key differentiators of the IntelliDOT System," said Thomas G. Klopack, president and CEO of IntelliDOT. "The IntelliDOT System can be integrated with any healthcare information system and pharmacy system, including all major vendors and homegrown systems. As a result, hospitals can focus on the primary goal of barcode point-of-care, which is to enhance patient safety, instead of implementation issues."

"The success of the IntelliDOT implementations at HMA hospitals is a testament to IntelliDOT's clinical and IT expertise in barcode point-of-care," said Jim Jordan, senior vice president and chief information officer for HMA. "As we approach the last phase of this project, IntelliDOT continues to exceed our expectations."

HMA contracted with IntelliDOT in August 2006 to bring barcode verification of medications to 56 HMA hospitals located throughout the southeast United States and Washington State over a period of three years. In 28 months, IntelliDOT has guided the multi-hospital system through 41 house-wide implementations -- on track with initial expectations. The most recent turnkey implementations averaged less than four months. On average, the hospitals were using the IntelliDOT System house-wide in just 102 days – a pace which distinguishes the IntelliDOT solution from other barcode point-of-care systems.

The IntelliDOT System is a best-of-breed wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, the IntelliDOT System enables clinicians to perform safety checks and safely administer and document medications at the bedside using a lightweight, handheld device. The IntelliDOT System satisfies Joint Commission standards for patient identification and assures accuracy by verifying the five rights of medication administration: right medication, right dose, right route, right patient, right time; as well as ensuring required follow-up documentation, such as pain scale, is performed in a timely manner and accurately recorded.

## **About Health Management Associates**

HMA owns and operates general acute care hospitals in non-urban communities located throughout the United States. HMA operates 56 hospitals in 15 states with approximately 8,000 licensed beds. All references to "HMA" used in this release refer to Health Management Associates, Inc. or its affiliates.

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# Oconee Medical Center Eliminates Five Rights-Related Medication Errors with IntelliDOT Bedside Medication Administration<sup>TM</sup>

-Integrates with McKesson HIS and McKesson Star Pharmacy System-

**SAN DIEGO, CA, November 5, 2008** – IntelliDOT Corporation, a leading provider of wireless, handheld barcode point-of-care (BPOC) solutions to hospitals, today announced that Oconee Medical Center, a 169-bed facility in Seneca, SC, has eliminated all serious five rights-related medication administration errors as a result of implementing IntelliDOT Bedside Medication Administration (IntelliDOT BMA<sup>TM</sup>).

The IntelliDOT System is a best-of-breed wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, the IntelliDOT System enables clinicians to perform safety checks and safely administer and document medications at the bedside using a lightweight, handheld device. The IntelliDOT System satisfies Joint Commission standards for patient identification and assures accuracy by verifying the five rights of medication administration: right medication, right dose, right route, right patient, right time; as well as ensuring required follow-up documentation, such as pain scale, is performed in a timely manner and accurately recorded.

"Oconee Medical Center illustrates the flexibility of the IntelliDOT System to successfully integrate with any HIS and pharmacy system," said Thomas G. Klopack, president and CEO of IntelliDOT. "Most importantly, the IntelliDOT System is helping Oconee Medical Center reach its goal of eliminating all serious five rights-related errors, all the way from the pharmacy to the patient's bedside."

The IntelliDOT System at Oconee Medical Center interfaces with the hospital's McKesson hospital information system (HIS) and McKesson Star pharmacy system. The pharmacist enters and verifies the orders into the McKesson HIS. Once this step is complete, orders are displayed on the medication dispensing cabinet profile and in the IntelliDOT System. The nurse then verifies the pharmacy interpretation of the order in IntelliDOT against the order as written by the physician. During bedside administration, the nurse scans the patient wristband, medications, and responds to the prompts. Once completed, the data is automatically sent from the IntelliDOT handheld device to the IntelliDOT electronic medication administration record (eMAR).

"The implementation of the IntelliDOT System was the best I've ever been through," said Bill Stevenson, Director of Pharmacy, Oconee Medical Center. "Most of all, the IntelliDOT System definitely eliminates medication errors. If you follow the prompts, the IntelliDOT System won't let you give the wrong medication or give it to the wrong person."

The results of medication administration observations both pre- and post-IntelliDOT BMA implementation show that Oconee Medical Center has reduced five rights-related errors (wrong patient or wrong medication) to zero. In addition, by automating the medication administration process with IntelliDOT BMA, nurses rarely need to contact the pharmacy with questions. As a result, the Oconee Medical Center pharmacy has cut order turnaround time in half – from a maximum of approximately 30-33 minutes to approximately 15-18 minutes or less.

To extend enhanced patient safety to the lab, Oconee Medical Center is now preparing to implement IntelliDOT Phlebotomy Specimen Collection<sup>TM</sup>, which also operates on the same handheld device.

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# New Studies Show 100 Percent Reductions in Serious Five Rights-Related Errors Using Barcode Point-of-Care System for Medication Administration

- Compared to Previous Studies, Larger Sample of Medication Passes and More Nurses Over Multiple Shifts Observed -

**SAN DIEGO, CA, October 27, 2008** – IntelliDOT Corporation, a leading provider of wireless, handheld barcode point-of-care (BPOC) solutions to hospitals, today announced that the cumulative results of observational medication error studies at multiple hospitals using IntelliDOT Bedside Medication Administration<sup>TM</sup> (IntelliDOT BMA<sup>TM</sup>) show a 100 percent reduction in preventable five rights-related errors.

Data from the direct observational studies is now complete for 10 of 46 IntelliDOT customer hospitals that participated in studies between June 2004 and September 2008. Initial data based on 2,389¹ medication administration observations reveals that serious five rights-related medication errors were reduced from 39 incidents prior to the implementation of IntelliDOT BMA to zero when follow-up observations were conducted 60 days after implementation. Serious errors are defined to be the administration of the wrong medication or the wrong dose, or administration to the wrong patient. In addition, incidents of patients not properly identified per hospital policy were reduced from 1,792 (75 percent) to zero as a result of IntelliDOT System barcode scans of wristbands to identify patients at the bedside before giving medication.

The IntelliDOT customer studies incorporate a similar methodology used in the healthcare industry's well-known 2002 report, "*Medication Errors Observed in 36 Health Care Facilities*," by KN Barker, EA Flynn, GA Pepper, DW Bates, and RL Mikeal, and published in the September 9, 2002, *American Archives of Internal Medicine*.

"The 'Medication Errors Observed in 36 Health Care Facilities' study based findings on one nurse observer and 50 medication passes at each hospital," said Vicki D. McKendrick, RN, Executive Director and Chief Nursing Officer at IntelliDOT. "IntelliDOT is using a similar methodology, but we're looking at a much larger sample of medication passes and nurses based over multiple shifts. The results prove over and over again that a nurse-centric BPOC system, when used consistently by nurses, can eliminate 100 percent of serious medication administration errors."

IntelliDOT worked with each hospital to conduct pre- and post-implementation studies of medication errors in order to establish baseline performance measures and validate subsequent

performance improvement. At each facility, two registered nurses with extensive training in observational study methodology observed 250 medication administration events in each phase of the study<sup>1</sup>, before and 60 days after the implementation of the IntelliDOT BPOC System. Each observer worked with multiple nurses throughout his or her shift. Between 20 and 30 nurses at each hospital were observed in the IntelliDOT customer studies.

Using a methodology similar Barker et al in "Medication Errors Observed in 36 Health Care Facilities," the observers recorded a coded patient identifier, drug product, the dose, dose form, route of administration, time of administration, patient identification method(s), and medication-related procedures as specified by individual hospital policy such as taking medication specific vital signs or obtaining an additional witness for high alert medications. Prior to the medication pass, they compared each dose with the original medication order on the current medication administration record (MAR). In the cases of wrong patient, wrong drug, or wrong dose, the observer stopped the nurse from continuing with the administration to prevent potential harm to the patient. Following the medication pass, they compared each dose administered as written by the prescribing physician in the patient's chart. If there is a difference, the error is described and categorized. One hour following the end of each shift, the observers checked the MARs for documentation of clinical observations as required by hospital policy.

"At one of the participating hospitals, two near misses were detected and averted by the use of the IntelliDOT System during the post-implementation observation," McKendrick said. "A nurse attempted to administer a medication at 9 a.m. when it was supposed to be given at 9 p.m. Also, the IntelliDOT System prevented a nurse from administering an oral chemotherapy drug instead of a vitamin, averting a very serious mistake. This illustrates that barcode point-of-care systems can eliminate both timing and more serious errors involving the wrong drug, both of which were classified as 'potentially harmful' to the patient.

"It is interesting to note that pre-implementation results for the IntelliDOT studies echoed those found in the 'Medication Errors Observed in 36 Health Care Facilities' study," said McKendrick. "Despite the widespread availability of BPOC solutions, there still is much work to be done in the ongoing quest for safer patient care."

The IntelliDOT System is a best-of-breed wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, the IntelliDOT System enables clinicians to perform safety checks and safely administer and document medications at the bedside using a lightweight, handheld device. The IntelliDOT System satisfies Joint Commission standards for patient identification and assures accuracy by verifying the five rights of medication administration: right medication, right dose, right route, right patient, right time; as well as ensuring required follow-up documentation, such as pain scale, is performed in a timely manner and accurately recorded.

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that run on the same handheld device include: IntelliDOT Phlebotomy Specimen Collection<sup>TM</sup>, IntelliDOT Blood Product Administration<sup>TM</sup>, IntelliDOT Mother-Baby Breast Milk Matching<sup>TM</sup>, and IntelliDOT Vital Signs Collection<sup>TM</sup>. IntelliDOT was founded in 2002 and is headquartered in San Diego. More information can be found at <a href="https://www.intellidotcorp.com">www.intellidotcorp.com</a>.

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<sup>&</sup>lt;sup>1.</sup> 250 medication administration events were observed at 9 hospitals and 139 were observed at one hospital



# Louisiana State University Health Care Services Division Selects IntelliDOT® as its Barcode Point-Of-Care Partner to Optimize Patient Safety

-IntelliDOT's Medication Administration, Vital Signs Collection and Mother-Baby Breast Milk Modules to be integrated with McKesson Horizon Clinical Systems-

SAN DIEGO, CA, October 13, 2008 – IntelliDOT Corporation, a leading provider of wireless handheld, barcode point-of-care (BPOC) solutions to hospitals, today announced that the Louisiana State University Health Care Services Division (LSUHCSD) has selected IntelliDOT Bedside Medication Administration™, Vital Signs Collection™ and Mother-Baby Breast Milk Matching™ modules as part of an enhanced patient safety initiative. LSUHCSD is a division of the Louisiana State University Health System, Baton Rouge, LA and consists of seven hospitals with 704 beds and 300 outpatient clinics that serve the underprivileged and uninsured in Louisiana. LSUHCSD is one of the largest public hospital systems in the United States.

LSUHCSD plans to integrate three distinct IntelliDOT modules:

- IntelliDOT Bedside Medication Administration<sup>TM</sup> Easy-to-read screen prompts guide the nurse through medication administration workflows at the bedside. The system is used to verify the five rights of medication administration: right medication, right dose, right route, right patient, and right time. Each nurse receives customized prompts and warnings to assure medications are administered and documented correctly.
- IntelliDOT Mother-Baby Breast Milk Matching<sup>TM</sup> Using the same handheld device and a small portable wireless printer, a nurse prints barcode labels for milk containers at the time milk is received from the mother or the mother can take and apply the labels at home. At administration, the infant's ID band is scanned along with the breast milk container, assuring positive identification and accurate feeding.
- IntelliDOT Vital Signs Collection<sup>TM</sup> Vital signs information plus virtually any clinical documentation can be captured using the same handheld device. The captured data can populate the eMAR or electronic flow sheets and/or print on separate patient-specific flow sheets.

Admissions, discharges, transfers (ADTs) and Pharmacy Encoded Orders (RDEs) will be passed from McKesson Horizon Pharmacy System via an HL7 interface and will be sent wirelessly to

the IntelliDOT handheld. LSUHCSD will also use the IntelliDOT electronic Medication Administration Record (eMAR) as part of its full patient documentation.

"LSUHCSD clinicians will be able to offer a new-to-the-industry level of patient safety at the bedside," said Thomas G. Klopack, president and CEO of IntelliDOT. "With our industry leading adoption rates and ease of use, IntelliDOT helps prevent a variety of potential medication errors at the bedside so clinicians can provide even safer care while devoting more quality time to their patients."

## **About LSU Health Care System**

The LSU Health Care System is one of the largest public health care delivery systems in the country. It has over 60,000 admissions, 350,000 patient days, 1 million outpatient visits, and over 350,000 emergency department visits. Each year 1,700 residents from the LSU and Tulane Schools of Medicine and Ochsner Health System and 4,000 nurses and allied health students from many colleges and universities are trained in LSU facilities. LSU is the largest single provider of uncompensated inpatient care in Louisiana. LSU hospitals have an economic impact of over \$1.6 billion in asset business activity, \$918 million in personal earnings, and support over 10,000 jobs.

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# IntelliDOT Bedside Medication Administration<sup>TM</sup> Solution Surpasses 20 Million Medication Administrations

- IntelliDOT Clients Safely Administering More Than 36 Meds Per Minute -

**SAN DIEGO, CA, September 25, 2008** -- IntelliDOT Corporation, a leading provider of wireless handheld, barcode point-of-care (BPOC) solutions to hospitals, today announced that customers of its flagship IntelliDOT Bedside Medication Administration (IntelliDOT BMA<sup>TM</sup>) BPOC system have accumulated a total of 20,253,410 medication administrations preventing all *five rights* related errors (right medication, right dose, right route, right patient, and right time) since the product's launch in 2004.

"This milestone confirms that IntelliDOT's BPOC system is fulfilling its promise to improve patient safety because it is so easy to use and on average adopted by more than 95 percent of client nurses," said Thomas G. Klopack, president and CEO of IntelliDOT. "Eliminating medication errors at the bedside is one of the founding principles of IntelliDOT and we are seeing thousands of error free med passes become reality at our customers' hospitals every day."

A September 2008 report of total medication administrations at 44 live IntelliDOT installations indicates that a total of 20,253,410 medications were verified and administered using IntelliDOT BMA. This equates to more than 1.6 million medications per month, 52,814 per day, 2,201 per hour and 36 per minute.

Stillwater Medical Center, Stillwater, OK was the first hospital to implement IntelliDOT BMA in 2004. According to Bill Arrington, Director of Pharmacy at the hospital, more than one million doses have been administered safely at their hospital using the IntelliDOT System.

"We've given more than a million medication doses using the IntelliDOT System and we know for a fact that it's safer," Arrington said. "We did a post-implementation study and our serious med error rate went to basically zero."

Another charter IntelliDOT customer, Parkview Medical Center, Pueblo, CO has achieved more than 3 million *five rights* verified medication administrations since it went live with IntelliDOT BMA in December 2005. To gain a deeper understanding of these results, working with IntelliDOT, Parkview undertook an in-depth study examining the impact of IntelliDOT BMA

System safety checks on the medication error rate. Observers watched 250 medication administration procedures, a statistically significant sample, before and after the IntelliDOT implementation at Parkview, which revealed that the hospital reduced total medication errors from 51 out of the 250 administrations observed in the study, or 20 percent to 19 out of 250 or 8 percent. The 19 errors remaining post-IntelliDOT were attributed to IntelliDOT's dose reminder timing system being turned off on less time critical medications. Serious errors (wrong patient, drug or dose) were reduced from 5 out of 250 in the pre-implementation observations to 0 – a 100 percent reduction.

Other hospitals exceeding the 1 million mark in medication passes with IntelliDOT BMA include Medical Center of Southeastern Oklahoma, Durant, OK and Poplar Bluff Regional Medical Center – North and South, Poplar Bluff, MO.

The IntelliDOT System is a best-of-breed wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, the IntelliDOT System enables clinicians to perform safety checks and safely administer and document medications at the bedside using a lightweight, handheld device. The IntelliDOT System satisfies Joint Commission standards for patient identification and assures accuracy by verifying the five rights of medication administration: right medication, right dose, right route, right patient, right time; as well as ensuring required follow-up documentation, such as pain scale, is performed in a timely manner and accurately recorded.

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# Jefferson Community Health Center Extends Patient Safety with IntelliDOT Bedside Medication Administration<sup>TM</sup>

- BPOC Solution Integrates with McKesson Horizon Pharmacy -

**SAN DIEGO, CA, September 22, 2008** -- IntelliDOT Corporation, a leading provider of wireless, handheld barcode point-of-care (BPOC) solutions to hospitals, today announced that Jefferson Community Health Center, a 25-bed critical access hospital in Fairbury, NE has implemented IntelliDOT Bedside Medication Administration (IntelliDOT BMA<sup>TM</sup>).

The IntelliDOT System integrates with Jefferson's core McKesson Horizon pharmacy system. Orders entered into this McKesson system by Jefferson's pharmacy staff are sent via HL7 to the IntelliDOT System and appear on the nurse's IntelliDOT wireless handheld device. Data elements include: patient demographic and identification information, patient allergy information, order number, ordered medications, dose amounts, dose units, SIG codes, custom dose times, route, order start/stop times and order status. When the nurse responds to the IntelliDOT System's prompts at bedside and enters medication administration information and follow-up documentation, the data is then sent to the IntelliDOT eMAR, which Jefferson uses as its legal patient medication administration record.

"The IntelliDOT System makes us more effective in catching potential problems before they reach the patient," said Gary Mitchell, Director of Pharmacy, Jefferson Community Health Center. "As far as documentation, we're doing in real time what we used to do retrospectively for years. That for me is one of the biggest changes we've seen as a result of adopting a barcode system."

The workflow and patient safety benefits of the IntelliDOT System are also helping nurses at Jefferson be more efficient at the bedside and confident that they are administering the right medication to the right patient. "We're no longer just taking for granted that a nurse is positively identifying the patient before giving a medication," said Judy McGee, RN, Chief Nursing Executive, Jefferson Community Health Center. "Now we know for sure that our nurses are doing that every single time because the IntelliDOT System prompts them to scan the patient's wristband."

"IntelliDOT BMA is extending patient safety from the pharmacy to the patient's bedside at Jefferson Community Health Center," said Thomas G. Klopack, president and CEO of

IntelliDOT. "Jefferson is proof that small critical access hospitals can economically achieve the same patient safety benefits as larger hospitals with IntelliDOT's affordable and easily integrated system."

The IntelliDOT System is a best-of-breed wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, the IntelliDOT System enables clinicians to perform safety checks and safely administer and document medications at the bedside using a lightweight, handheld device. The IntelliDOT System satisfies Joint Commission standards for patient identification and assures accuracy by verifying the five rights of medication administration: right medication, right dose, right route, right patient, right time; as well as ensuring required follow-up documentation, such as pain scale, is performed in a timely manner and accurately recorded.

# **About IntelliDOT® Corporation**

IntelliDOT is a leading provider of wireless, handheld, barcode point-of-care (BPOC) solutions that connect to any healthcare information system to improve patient safety and nurse workflow. When using IntelliDOT Bedside Medication Administration, nurses can easily manage all tasks associated with five rights medication administration safety checks and related documentation. Additional system modules that run on the same handheld device include: IntelliDOT Phlebotomy Specimen Collection<sup>TM</sup>, IntelliDOT Blood Product Administration<sup>TM</sup>, IntelliDOT Mother-Baby Breast Milk Matching<sup>TM</sup>, and IntelliDOT Vital Signs Collection<sup>TM</sup>. IntelliDOT was founded in 2002 and is headquartered in San Diego. More information can be found at www.intellidotcorp.com.

Except for the historical information contained herein, this news release contains forward-looking statements that involve risks and uncertainties, including, but not limited to, risks and uncertainties associated with market acceptance of the CAREt System, whether the company will be successful in raising additional funds, the risk that sales of the CAREt System will not increase to target levels, and the effectiveness and marketability of healthcare information technologies, as well as other risks.

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# Stillwater Medical Center Achieves One Million Medication Administrations with No Serious Errors Using IntelliDOT Bedside Medication Administration<sup>TM</sup>

-IntelliDOT's Medication Administration and Lab Modules Now Integrated With MEDITECH Healthcare Information System-

**SAN DIEGO, CA, September 8, 2008** – IntelliDOT Corporation, a leading provider of wireless, handheld barcode point-of-care (BPOC) solutions to hospitals, today announced that Stillwater Medical Center, Stillwater, OK, the first customer to implement IntelliDOT Bedside Medication Administration (IntelliDOT BMA<sup>TM</sup>), has safely administered more than one million medication doses since 2004 with the system.

"We've given well over a million medication doses using IntelliDOT BMA and we know for a fact that it's safer," said Bill Arrington, Director of Pharmacy at Stillwater Medical Center. "We did a post-implementation study and our medication error rate went to zero."

About a month after the implementation of IntelliDOT BMA in 2004, Stillwater Medical Center documented the success of the IntelliDOT System as part of a clinical study on its 32-bed 3<sup>rd</sup> Floor Medical Unit. Results from 139 observed medication administrations showed a reduction in total errors (wrong time, route, dose, med, patient) from 30 percent (42/139) to 0 and serious errors (wrong med, patient, dose) from 2.2 percent (3/139) to 0. In addition, patients not identified per policy fell from 41.7 percent (58/139) to 0 and clinical parameters not charted per policy fell from 2.9 percent (4/139) to 0 when IntelliDOT BMA was used.

Due to the system's ease of use and high adoption rate among nurses, Stillwater Medical Center has continued to eliminate serious medication errors and just passed the one million mark. Due to its continued success, the hospital recently purchased and installed the IntelliDOT Phlebotomy Specimen Collection<sup>TM</sup> (IntelliDOT PSC<sup>TM</sup>) module. Stillwater's phlebotomists now manage approximately 200 specimen collections each day with IntelliDOT PSC. Both the medication administration module and the specimen collection module are accessed on the same IntelliDOT wireless handheld device, which prompts caregivers through procedures and issues alerts when orders do not match the barcode on the patient's wristband.

Stillwater Medical Center uses interfaces purchased from both MEDITECH and Iatric Systems, Inc., an IntelliDOT alliance partner, to communicate real-time clinical data between the IntelliDOT System and Stillwater's MEDITECH Client/Server system. Patient admission, discharge, and transfer (ADT) information, pharmacy orders, as well as phlebotomy specimen orders are sent to the IntelliDOT System through interfaces built by Iatric Systems, Inc.

Medication Administration data generated by the IntelliDOT System is sent to the MEDITECH electronic medication administration record and electronic medical record through an interface purchased from and built by MEDITECH.

According to Chris Roark, Chief Information Officer at Stillwater Medical Center, the IntelliDOT System's performance contributes to its successful clinical use by the hospital's nurses and phlebotomists. "We were impressed with IntelliDOT from the start, because they were ahead of the competition with a small, but highly functional wireless device," Roark said. "The system and the interfaces have been very reliable and don't require a lot of maintenance or tweaking. Also, the IntelliDOT handheld device itself has proven to be very stable and durable."

"Stillwater Medical Center's achievement is testimony to the effectiveness of IntelliDOT BMA in eliminating medication errors at the bedside," said Thomas G. Klopack, President and CEO of IntelliDOT. "And today, Stillwater continues to play a leadership role in the adoption of BPOC for patient safety across the continuum of care with the addition of IntelliDOT PSC for the lab."

The IntelliDOT System is a best-in-class wireless, workflow manager that connects caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, the IntelliDOT System enables clinicians to perform safety checks and safely administer and document medications at the bedside using a lightweight, handheld device in just one hand. The IntelliDOT System satisfies Joint Commission standards for patient identification and assures accuracy by verifying the five rights of medication administration: right medication, right dose, right route, right patient, right time; as well as ensuring required follow-up documentation, such as pain scale, is performed in a timely manner and accurately recorded. Additional modules that run on the same handheld device include phlebotomy specimen collection, blood product administration, mother-baby breast milk matching and vital signs collection.

### **About IntelliDOT® Corporation**

IntelliDOT is a leading provider of wireless, handheld, barcode point-of-care (BPOC) solutions that connect to any healthcare information system to improve patient safety and nurse workflow. When using the IntelliDOT System, nurses can easily manage all tasks associated with fiverights medication administration safety checks and related documentation. Additional modules include specimen collection, blood product administration, mother/baby breast milk matching and vital signs collection. IntelliDOT was founded in 2002 and is headquartered in San Diego. More information can be found at <a href="https://www.intellidotcorp.com">www.intellidotcorp.com</a>.

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# IntelliDOT Completes Implementation of Bedside Barcode Point-of-Care System at Providence Healthcare Network, Waco, TX

- First Integration of IntelliDOT BMATM with EPIC Healthcare Information System -

SAN DIEGO, CA, August 25, 2008 – IntelliDOT Corporation, a leading provider of wireless handheld, barcode point-of-care (BPOC) solutions to hospitals, today announced that it has completed the implementation of IntelliDOT Bedside Medication Administration<sup>TM</sup> (IntelliDOT BMA<sup>TM</sup>) at Providence Healthcare Network, Waco, Texas. This is the first implementation where IntelliDOT BMA has been integrated with an EPIC Healthcare Information System (HIS).

IntelliDOT BMA helps eliminate medication errors by matching the correct patient with the correct medication and method of delivery at the bedside. At only 8 oz. and packing a 12+ hour battery life, IntelliDOT's CAREt® handheld device is easily carried for the entire shift by the clinician and provides information anywhere in the facility while collecting critical information at the point-of-care. The medication administration system interconnects with any HIS and, through other modules, can expand the bedside safety net to vital signs collection, laboratory specimen identification, mother-baby breast milk matching and blood product administration.

"IntelliDOT's first integration with EPIC was very successful and again demonstrates our ability to work with any installed Healthcare Information System," said David Swenson R. Ph, Co-Founder and Chief Clinical Officer of IntelliDOT. "Now hospitals with an EPIC HIS can move forward on their patient safety initiatives immediately with IntelliDOT's best-in-class solution."

As part of the integration to the EPIC HIS, IntelliDOT handhelds receive admission, discharge and transfer (ADT) information as well as medication order information via a standard HL7 interface. To complete charting on the EPIC electronic medication administration record (eMAR), Providence Healthcare Network uses Boston WorkStation – an automation technology from IntelliDOT alliance partner Boston Software Systems – to rapidly perform input tasks on screen within EPIC.

Using Boston WorkStation, the IntelliDOT/EPIC interface sends documentation information to the EPIC eMAR once nurses complete medication administration at bedside using the IntelliDOT handheld device. For example, when a nurse administers a medication and verifies it on the IntelliDOT handheld device, an HL7 message is sent from IntelliDOT to Boston WorkStation, which then translates the HL7 message so that it can populate the EPIC MAR.

The IntelliDOT charting link has eliminated the time nurses spend entering medication administration into computers, which enables nurses to spend more time with patients.

"The IntelliDOT and EPIC interface with Boston WorkStation works very well," said Jay Scherler, Vice President, Business and Support Services at Providence Healthcare Network. "In fact, one of the key selling points of IntelliDOT was that it could seamlessly chart back to our EPIC MAR."

Scherler was especially impressed with the implementation of IntelliDOT BMA. "I can't imagine a cleaner install than what we had," said Scherler. "It was one of the smoothest implementations I've ever experienced. I would encourage anyone on the fence waiting for a barcode medication administration system to consider IntelliDOT."

# **About IntelliDOT® Corporation**

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# IntelliDOT Bedside Medication Administration<sup>TM</sup> Implemented at Halifax Regional Medical Center, NC

- Integrates with MEDITECH HIS to Provide Added Level of Patient Safety -

SAN DIEGO, CA, August 18, 2008 – IntelliDOT Corporation, a leading provider of wireless handheld, barcode point-of-care (BPOC) solutions to hospitals, today announced that Halifax Regional Medical Center, a 206-bed hospital in Roanoke Rapids, NC has implemented IntelliDOT Bedside Medication Administration<sup>TM</sup> (IntelliDOT BMA<sup>TM</sup>). Central to the implementation is integration with the hospital's existing MEDITECH Client/Server Healthcare Information System (HIS).

An integrated module of the IntelliDOT CAREt® System, IntelliDOT BMA is the first wireless, nurse-centric workflow manager to connect caregivers with the information systems they need at the point-of-care. Designed by nurses for nurses, IntelliDOT BMA eliminates medication errors by matching the correct patient with the correct medication and method of delivery at the bedside. The medication administration system connects with any HIS or Laboratory Information System (LIS) and, with other modules, can expand the bedside safety net to vital signs collection, laboratory specimen collection, mother-baby breast milk matching and blood product administration.

At Halifax Regional, IntelliDOT BMA communicates with the hospital's MEDITECH HIS through a Quovadx Cloverleaf interface engine. Admissions, discharges, transfers (ADTs) and Pharmacy Encoded Orders (RDEs) are passed from MEDITECH via an HL7 interface and are sent wirelessly to IntelliDOT handhelds carried by nurses. Medication administration is completed by nurses at bedside, which is then documented on the electronic medication administration record (eMAR). Halifax is currently using the IntelliDOT eMAR as part of its full patient documentation.

"We chose IntelliDOT's system because of its track record of high nurse adoption, ease of use and documentation compliance," said Robert Gordon, Director of Information Systems at Halifax Regional. "The ability to easily communicate with our existing MEDITECH system and the fact that nurse workarounds are far less likely with IntelliDOT really set the system apart. I haven't seen anything else on the market that has the ease of use and mobility of the IntelliDOT system."

"One of the strengths of the IntelliDOT system is that nurses can use it with just one hand," said Karen Daniels, Vice President of Nursing at Halifax Regional. "That's important for nurses because they're multi-tasking all day. It's wonderful to have a lightweight device that they can carry with them all the time."

The hospital was particularly impressed that all bedside medication administration functions could be completed using such a small handheld device in contrast to the more common large and cumbersome solutions commonly referred to as Computers on Wheels (COWs). For example, medication administration and key clinical information like vital signs are documented by the nurse using the CAREt handheld as part of the administration process, which saves time and effort. In contrast, with many other solutions, documentation is a separate step that has to be completed on a computer by the nurse after the medication has been administered.

"Patient safety is our priority and the safety features of the IntelliDOT system are more than we could ask for," Daniels said. "Our nurses feel safer and more confident that they are doing the right things for their patients."

"Because it has been designed by nurses for nurses, the IntelliDOT barcode point-of-care system has achieved the highest adoption rates in the industry, averaging over 95 percent for typical customers," said Thomas G. Klopack, President and CEO of IntelliDOT. "Combined with its small, light form factor, ability to be easily cleaned and disinfected, 12+ hour battery life and ability to communicate with any HIS, the IntelliDOT CAREt system truly represents the next generation of barcode point-of-care at the bedside."

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