



Smartpen

Focus on Patients not Paperwork



The time doctors spend on paperwork has increased by 73% in the last nine years. Smartpen technology enables healthcare organisations to clawback not just seconds, but hours of administration and data entry time. The Smartpen captures a doctor's handwriting and delivers it as an email or text to back-office systems within seconds. Critical information can get to where it's needed fast - A&E, pharmacy, XRay, even the Consultant's PDA - so the hospital can start taking care of patients even before they arrive.

Simple, Natural Technology

Despite all the changes in technology, pen and paper is still the most widely used solution in the world. Smartpen simply provides a way for it to be integrated with the data processing capability of computers with minimal training and disruption. Forms, health-charts, prescriptions etc are filled out as with a normal pen. Smartpen contains ink and a small camera that records the pen's strokes and saves them in its memory. Data from the pen is then transmitted to a pc or back-office systems.

With the Smartpen solution there will be a physical copy of the form, a digital copy and the information can be integrated into the Electronic Patient Record System in seconds, date and time stamped to ensure a full audit trail.

More Time With Patients

Thousands of healthcare forms are handwritten everyday then manually re-entered into the healthcare systems.

With Smartpen, hospitals still use their existing and familiar paper forms but the data is processed in a matter of minutes rather than days or even weeks. Duplication of data-entry is avoided, and the information is available immediately from central systems. For example, doctors could use digital pens to write prescriptions that would be sent to a secure central server accessible by any pharmacist selected by the patient. The pharmacist could verify the paper prescription against an electronic copy sent by the doctor, before dispensing the drugs.

With less time spent on administration, finding and interpreting paper notes, medical staff have more time to devote to their patients.



“Driving the Shift Towards IP”

DATAPULSE



BENEFITS:

- Any healthcare process that requires forms benefits from the Smartpen solution
- Reduces administration and manual data entry
- Increases efficiency and productivity
- More time to spend with patients
- Data is sent instantly improving patient service
- No special training or changes to processes
- Inexpensive and simple deployment
- Integrate with back-office healthcare systems



“When I was shown the digital pen and paper I immediately saw that there would be very good opportunities to work with it in the hospital. Information can be captured at the bedside removing the barriers created when a computer is put between the patient and the care provider. It will improve the quality of interaction with the patient.”

Professor Ravaud
Vice Director of medical informatics, HUG

Robust and Inexpensive

With government initiatives looking towards improving patient experience through fast, secure, electronic transmission of prescriptions and forms; Smartpen is an excellent way to fulfill these requirements at a fraction of the cost of other solutions. PDAs have been dismissed due to the small screen size, which makes it impossible to enter dozens of pages easily. Laptops and Tablet PCs are considered too heavy, fragile and therefore inappropriate for hospital use. There are also many places in the hospital where these solutions would be inappropriate such as ER and surgical rooms. Smartpen avoids this problems as it is based on the pen and forms system currently used and is small, robust and less likely to be stolen.

Example: Health Charts

Smartpen can digitise observations, such as heart rate and temperature, recorded on charts at the foot of patients' beds. A digital copy is instantly created and time stamped to give a doctor a better idea of how a patient is progressing and to help highlight any worrying trends in their life signs. It could also send an alert to a ward sister

if an update to the chart is late.

The chart data is processed by the hospital systems and added to electronic patient records where it can easily be seen by doctors around the hospital letting them keep an eye on the health of patients without having to make regular trips to the ward.

Example: OPS001 Form

Ambulance staff using the Smartpen and digital form solution could get accident information and patient details to the hospital prior to its arrival.

The paramedic would fill out the form as usual then tick a box, which signals the pen to send the written information directly to the destination hospital.

This could then link into the electronic patient record system, alert hospital staff to drug allergies and even send a request to book an operating theatre.

The Smartpen solution makes it easier and more

efficient to get patient information into an electronic medical record system, and results in increased control, safe archives, faster information management and more effective administration.

For more information please call sales on **0870 442 4425** or email sales@datapulse.com.

