

# mNurse

## Summary

mNurse is a mobile application aimed at ward nurses for monitoring and logging procedures and treatments administered to stationary patients via mobile device (tablet). The application ensures immediate transfer of all data the moment it is collected by the patients' bedsides. mNurse enables data retrieval and storage in the existing hospital information system (via configurable data interface).

## About mNurse

By incorporating different functions from nursing documentation, mNurse offers easier and faster reviewing of the existing data and filing new entries by the patients' bedsides. The application offers immediate access to general medical and nursing data as well as the patients' therapy progress. It is also possible to obtain ward records through individual patients' information, and to promptly examine prescribed and administered therapies and interventions for all ward patients.

### In detail:

Application mNurse provides:

- Detailed information about all ward patients
- General medical information from nursing documentation
- Detailed information about current vital signs and fluids entries, and options for entering new measurements
- Overview and administration of prescribed therapy for individual patient or all patients through ward records
- Overview and administration of interventions prescribed in nursing plans for individual patient or all patients through ward records
- Overview of administered nursing procedures (from current nursing plan) and a record of new, unscheduled nursing procedures for individual patient or all patients through ward records
- Overview of patient data via barcode (e.g. patient bracelet)

### Advantages:

- Mobile solution for ward nurses
- Graphical data display
- Greater nursing documentation/data visibility
- Transition from „paper“ to electronic patient records
- Patient data filed by the bedside
- Overview of prescribed and administered patient therapy, adjusted to specific requirements of ward nurses' work



## Technology:

Application mNurse is a Microsoft based system, developed with up-to-date technologies. It consists of a mNurse server application based on IN2 HIS (Hospital Information System, data storage MS SQL Server) and an original Windows tablet application. The system is flexible, adaptable and open for all platforms. It is possible to implement connectivity to other HIS systems with this Windows tablet application or develop/merge other specialized devices, web, tablet or desktop applications on any platform (Windows, Android, iOS) with mNurse server using web service interfaces. mNurse is built on Microsoft ASP.NET Web API 2 (C#) and Microsoft Universal App (C#). OWIN middleware and oAuth authentication are implemented for system safety.

## References:

- Clinical Hospital Merkur Zagreb
- Children's Hospital Zagreb
- County General Hospital Zabok

## About IN2 Group

IN2 Group is one of the leading software groups in Croatia and South-East Europe, founded in Zagreb in 1992. Today it employs over 400 IT experts and operates in 6 countries in the region. Company is engaged with development, implementation and maintenance of its own software solutions and services, as well as with the implementation of the software solutions of its partners. Business areas covered with its solutions and services are: public sector, finance industry, health, telecommunications and trade.

In the area of health IN2 Group enters in 2009 with acquisition of the company Grad that was specialised for hospital software, while in the area of laboratory software in 2011 following the acquisition of the company LabNet. Today it is a market leader in the field of hospital and laboratory information systems in Croatia. With its IBIS system (HIS) it is present in 34 hospitals, while with BioNET LIS in 52 bio-chemistry laboratories, what makes around 60% of Croatian hospital capacities and 70% of laboratory capacities.



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