



Prehospitale data: To prosjekter ved St. Olavs Hospital

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Beredskapsleder



Minste Felles Datasett for Bilambulanse

Digital Penn



Minste felles datasett – bakgrunn:

- Akutt behov for lokale virksomhets-/styringsdata.
- AMK (AMIS)- data "ubrukbare".
- Ønske om sammenliknende studier (forskning).
- Nasjonalt avvik – Riksrevisjonen.





Prosjektmål:

- Framskaffe et antall parametre med tilhørende definisjonskatalog som er beskrivende/dekkende for virksomheten.
- Lite antall – max 10!?
- Lett fangbare!
- Reliable og valide parametre/data.
- Parametre klare for uttesting.

Metode:

- Nominell Gruppeteknikk – konsensusteknikk.
- Ekspertpanel med rep fra alle 4 RHF.
- Rep fra myndighetene – NPR.
- Uttesting gjennom "Digital Penn" prosjektet.
- Data gjøres allment tilgjengelig.



Minste Felles Datasett – Progresjon:

- Nå: Etablering av ekspertpanel.
- Til sommeren: Panelet utvikler datasettet.
- Klart til testing høst 2011.



A yellow helicopter is flying in the sky above a snowy, rocky landscape. The sky is a mix of blue and orange, suggesting a sunset or sunrise. The helicopter is in the center of the frame, flying towards the right. The ground is covered in snow and has some dark rocks visible.

Digitalpenn i ambulansetjenesten

Akuttmedisinsk fagavdeling

St.Olavs Hospital HF

Gunnar Vangberg

Digitalisering av ambulansejournal

- Ny ambulansejournal i ambulansetjenesten ved St. Olav innført
- Vi ønsker styringsdata, rapporter og strukturerte data til kvalitets-sikring og forskning



Digitalpenn. Hvorfor?

- Rimelig i innkjøp
- Lite opplæring
- Lite support
- Robust
- Svært fleksibelt
- ”Man gjør som man har gjort før!”



Teknologi digitalpenn



Gunnar



Gunnar Vangberg



Pilot i Trondheim 2010

- Bil- og luftambulansen
- 100 pasienter
- Kun pdf-er
- Brukerne svært fornøyd
- Gjennomført ROS-analyse: ingen større utfordringer!

Studietur til ADAC i Tyskland



Gunnar Vangberg

HOSPITAL
BRONNHEIM

Tyske erfaringer

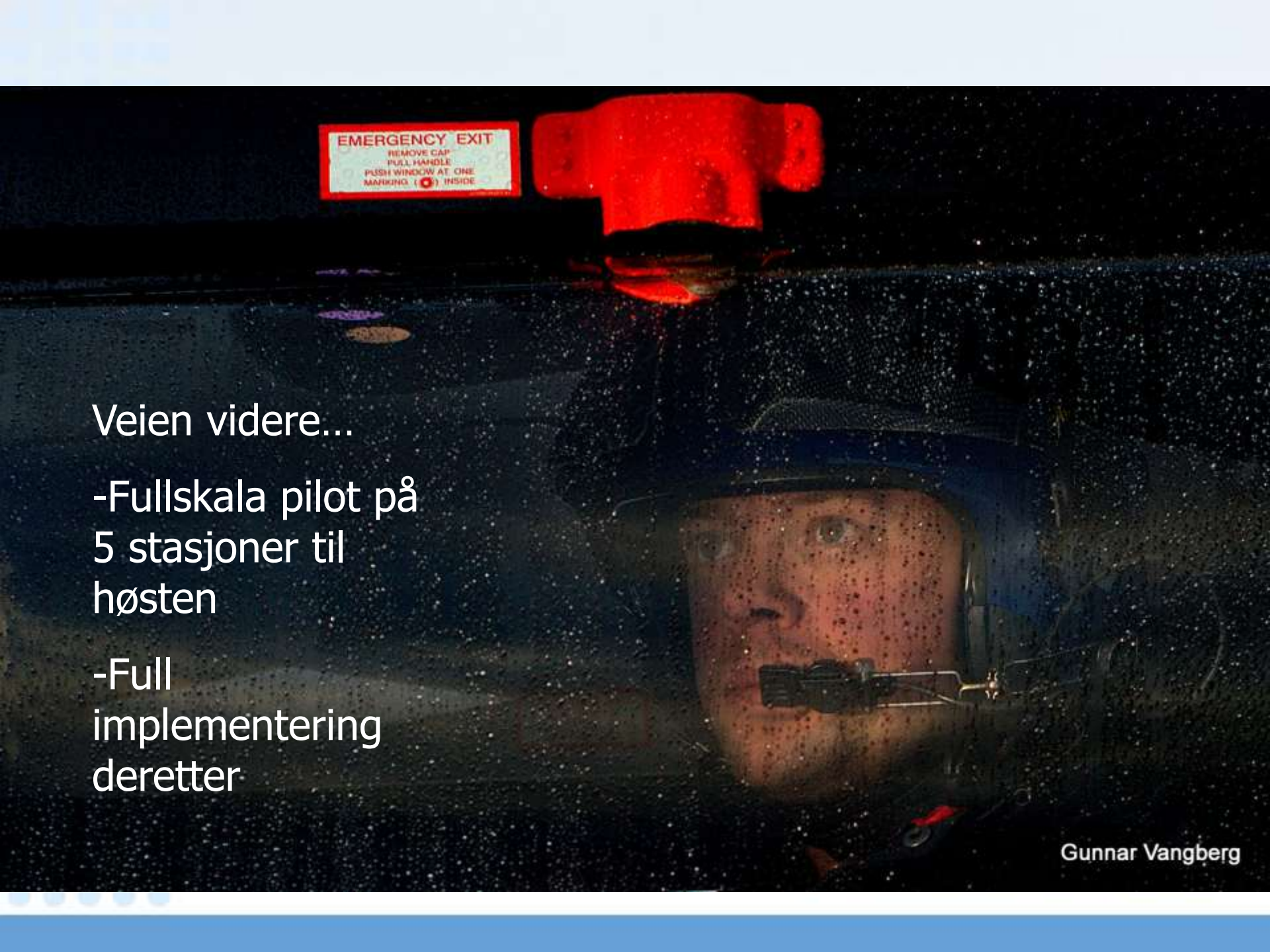
- Anaesthesist. 2009 Jan;58(1):24-9.
- **[Primary documentation quality for paper-assisted digital mission data documentation. Initial results from the air rescue service].**
- [Article in German]
- [Helm M](#), [Hauke J](#), [Schlechtriemen T](#), [Renner D](#), [Lampf L](#).
- Abteilung für Anästhesiologie und Intensivmedizin-Sektion Notfallmedizin, Bundeswehrkrankenhaus Ulm, Oberer Eselsberg 40, 89070 Ulm, Deutschland. matthias.helm@extern.uni-ulm.de
- **Abstract**
- **BACKGROUND:** With the assistance of digital pen and paper technology in the field of prehospital data reporting, it seems to be possible to fulfill the requirements of "documentation" as well as the requirements of "quality management". The aim of this study was to determine the "primary documentation quality" (PDQ) of a data reporting system based on digital pen and paper technology (so-called DINO) within a helicopter emergency medical service (HEMS) over a 6-month period.
- **RESULTS:** The PDQ is defined as the proportion of prehospital documented data, which is primarily recorded correctly by the data reporting system. For the national uniform core dataset (so-called MIND2) the PDQ was 96.7%, for "checkbox" and "numeric data fields" the PDQ was 99.8% and 93.6%, respectively and for "vital data" the PDQ was 96.7% [heart rate (HF), measurement of blood pressure] and 84.1% [peripheral oxygen saturation (S(p)O₂), end tidal carbon dioxide concentration (etCO₂), oxygen administration (O₂)]. For "measurements" the PDQ was 96.9% (time stamps) and 86.9% (time frames), for "drugs" the PDQ was 43.6% (drug name) and 69.8% (drug dosage) and for "placement of infusion" 42% (infusion name) and 85.3% (infusion time), respectively. The average time for the "verification process" after mission completion was 1.5±/0.4 min/mission.
- **CONCLUSIONS:** The "primary documentation quality" of prehospital mission data reporting with the assistance of a digital pen and paper based documentation system (DINO) has been shown to completely fulfill the requirements of rapid and safe data documentation in actual missions, even at this early stage of development.
- PMID: 19132331 [PubMed - indexed for MEDLINE]

Godkjenning av journalen tar ca 1.5 minutt

The image shows a computer monitor displaying a medical software interface. The screen is divided into several panels. The top-left panel shows patient information and a list of medical notes. The top-right panel displays a grid with colored markers (red 'V', green 'G', red 'A'). The bottom section of the screen shows a medication list with handwritten entries: 'KEILANESI', 'DORMICUM', and 'DORMICUM'. To the right of these entries are handwritten numbers: '15', '10', and '3'. The monitor is placed on a desk in front of a window with blinds.

Rechner bitte 1x täglich Neu starten

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Veien videre...

-Fullskala pilot på
5 stasjoner til
høsten

-Full
implementering
deretter

Spørsmål?



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