

GS1 Healthcare Provider Advisory Council Webinar

How GS1 bar codes improve logistics quality and patient safety

Viggo Nielsen, Supply Chain Manager, Hospital Pharmacy of the Capital Region in Denmark September 2016



Welcome and thank you for attending!



- Welcome to our September 2016 webinar. Thank you to our guest speaker – Viggo Nielsen, Supply Chain Manager, Hospital Pharmacy of the Capital Region in Denmark
- Some housekeeping for today:
 - All attendees will be on mute
 - If you have questions during the presentation, please type them into the questions area and these will be monitored then answered at the end of the call
- After the webinar:
 - Within a week, the recording will be posted to: <u>http://www.gs1.org/healthcare/hpac_webinars</u>
 - All previous webinars are also posted to this location, so please feel free to use this resource and share the link



The GS1 Healthcare Provider Advisory Council (HPAC)



Thought leaders and early adopters of GS1 Healthcare Standards from the global clinical provider environment. Their final goal is to improve patient safety, cost efficiency and staff productivity through implementation of GS1 standards.

A forum for sharing and discussion

Identification of projects and case studies

A source of expertise and advice

- About the practical realities of implementation of GS1 Standards in the care giving environment in regards to the impact on clinical care and patient interaction
- That support the adoption of GS1 Standards in healthcare providers and retail pharmacies
- For publication, presentation and sharing
- To those involved in GS1 standards development, the wider Healthcare stakeholder community and senior executives/decision-makers to gain their buy-in and support for implementation of GS1 Standards



HPAC Activities



Webinars

- Monthly webinars open to all stakeholders interested in learning about GS1 standards implementation in the care giving environment.
- http://www.gs1.org/healthcare/h pac webinars

Awards

- Twice per annum
- Provider Best Case Study Award
- Provider Recognition Award
- The prize is travel / accommodation to attend the next GS1 Healthcare conference
- http://www.gs1.org/healthcare/h pac

GS1 Healthcare also holds two global conferences per annum. Next conference in Beijing from 25-27 October 2016. There will be significant Healthcare Provider participation on the agenda.



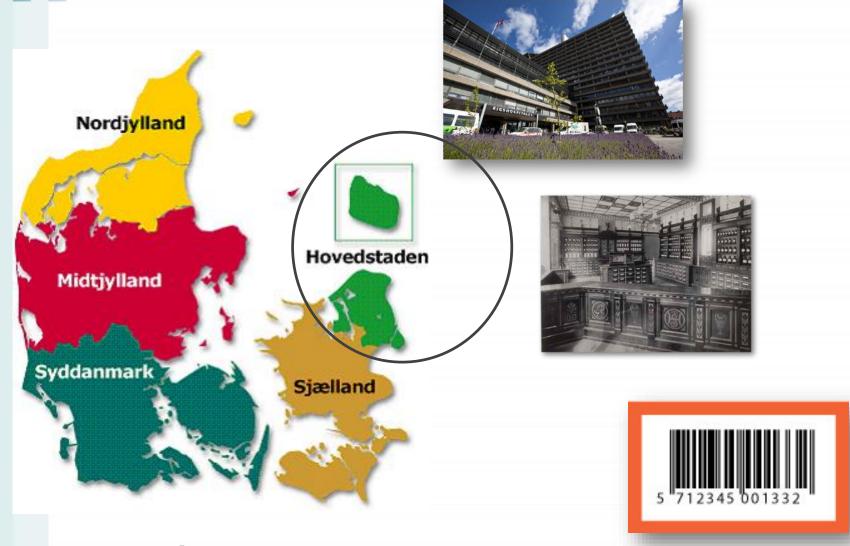
Apoteket

How GS1 BarCodes improve logistics quality and patient safety

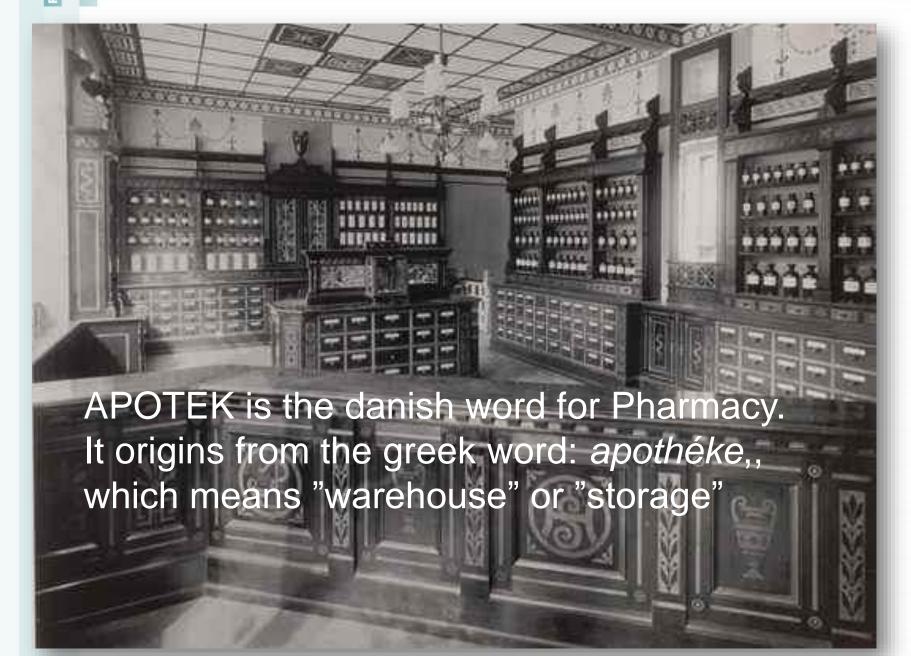
Capital Region of Denmark
Hospital Pharmacy



Apoteket My play ground

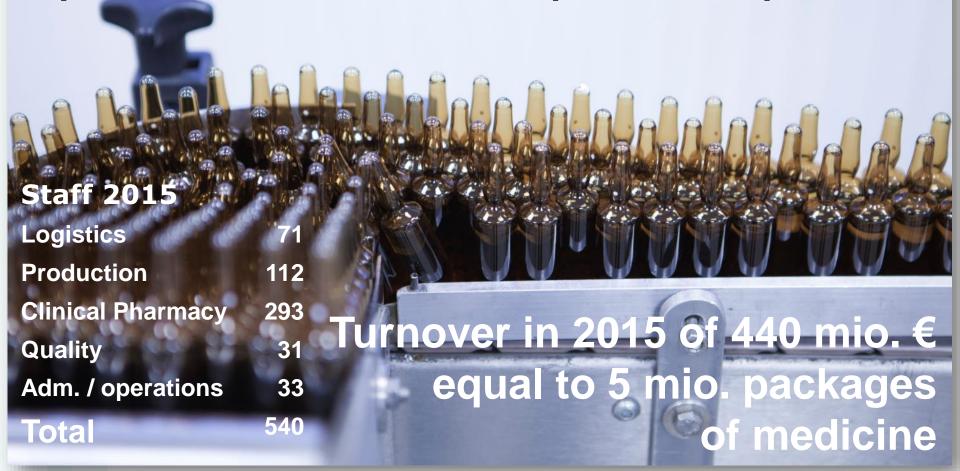


- 1.7 mio. people
- Annual budget of 5,3 bn €.





The hospital pharmacy in the Capital Region of Denmark is one of the largest hospital pharmacies in the northern part of Europe



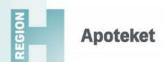


Mission:

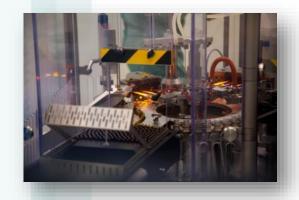
education and treatment within the area of public healthcare.....

Vision:
integrated
healthcare system on a
high international
level.....

But not a single word about BarCodes.....



Main processes in the Capital Region Pharmacy







Production:

- Rawmaterials
- Packaging
- Assembly/manufacture
- Quality control
- Tarnsfer to logistics

Logistics:

- Call off
- Receiving
- Put-away
- Storing
- Picking
- Packing
- Transport

Clinical Pharm. Service:

- Replenishment of medicine on wards
- Adjustment of assortments
- Advice on the use of medication
- Preparation of ready touse medicine



It's quite simple.....

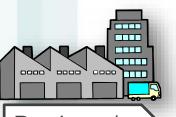
How barcodes support the mission of the logistics department:

- 24/7 availability of medicine
- Delivery of right products
- Fast and responsive set up
- Cost efficient operation





GS1 in Logistik



Producer/ wholesaler Inbound Logistics:

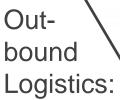
- Call off
- Reception
- Put away

Storage





- Picking
- Packing
- Transport





Hospital medicine room

















Apoteket Benefits from using barcodes-1



Actions:

 Verification of right item in put-away process

Benefits:

- Securing right items on right warehouse-location
- Quality control of barcode readability
- Quality control of masterdata in barcode
- Alternative process is visual ID done by two employees



Apoteket Benefits from use of barcodes-2



Actions:

- Go to right location
- Pick by visual ID
- Verify by scanning
- Confirm quantities

Benefits:

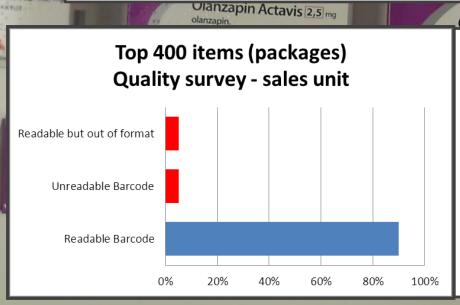
- Visual ID provides limited validation
- Visual ID needs a second opinion
- Less than 1% of package surface carries the most important information
- Scanning ensures that right items are picked
- Scanning is faster and more reliable than tapping in figures
- An operation without scanning will require more staff and provide lower quality



Apoteket Challenges from everyday life-1

Why barcodes?

- Great design
- Super branding
- Very little focus on cirtical information
- High risk of errors using visual ID
- When using blister packs extreme risk of errors



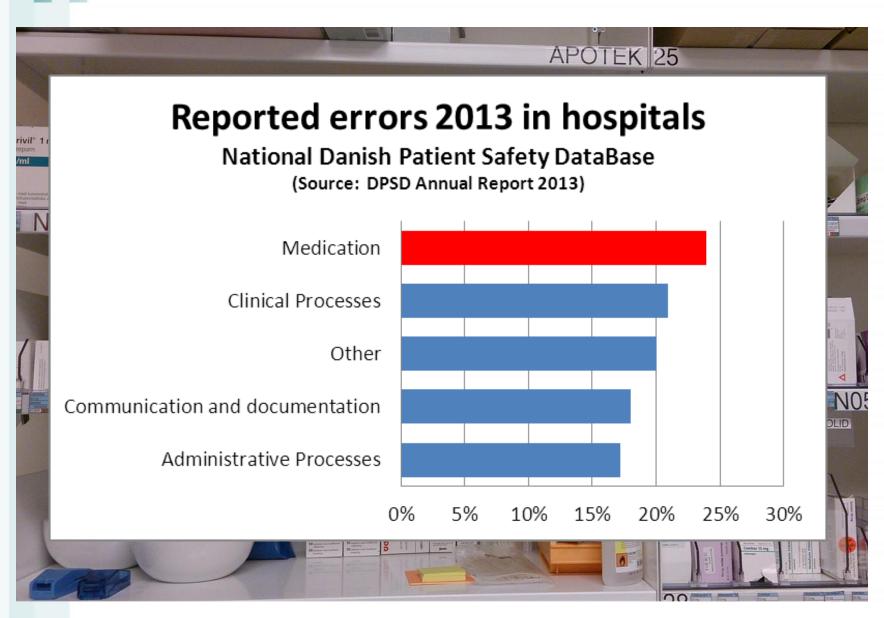
Most common challenges:

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- Codes exceed quiet zone
- Codes are "stretched"
- No stringent logic to code - too many zeros
- Wrong use of 2D codes

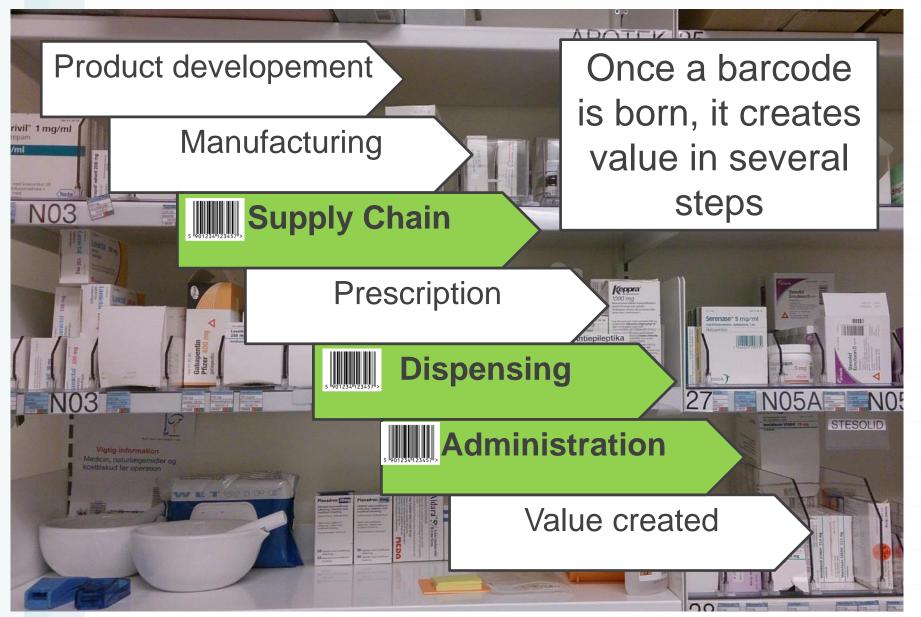


Apoteket Challenges from everyday life-2





The value stream of medicine





Apoteket The benefits of standardization



- The same codes used for various purposes
- The same data used in different systems
- The GS1 system offers:

Data structure:

- Unique ID of all trading parties
- Unique item numbering on all packaging levels and shipping units
- Unique ID on expiry date, lot no. etc.

Concepts for barcodes:

- Linear
- Datamatrix
- Application identifiers





Apoteket The challenge of implementation

Use of standards:

- It is quite simpel
- No one should be in doubt about right or wrong
- The decesion is strategic we want it !!
- Benefits for all parts of the valuestream





Apoteket Our contribution to implementation



Continuously focus on:

- Stating: There is an approved standard
- Tenders and contracts: Mandatory use of GS1
- Correction of errors in codes format and content
- Guide and help suppliers



It's getting better and better

Next step: Serilization

- Pharmacy role
- Producers role



Thank you, for your attention