EDI and Healthcare
## Focusgroup Electronic Messages

### Members

- **Alliance Healthcare**  Wholesaler
- **Academic Medical Center**  Hospital Pharmacy
- **Brocacef**  Wholesaler
- **GlaxoSmithKline**  Pharmaceutical supplier
- **Mediq**  Wholesaler
- **VSM**  Homeopathic supplier

- **GS1 and Z-Index**
EDI ?
Goals

GS1 Healthcare + Netherlands

- Improve safety for patients
- Increase logistic efficiency
Way of Working

Focusgroup Electronic messages

- Analyze requirements for whole supply chain
- Match with GS1 standards
- Define rules for use
Logistic Chain

- Manufacturer/Importer
- Wholesaler
- Retail organization
- Shop
- Pharmacy / Dispensing GP
- Care institution
- Hospital / Hospital pharmacy
- Care consumer (extramural)
- Care consumer (intramural)
GS1 messages in Healthcare

- ORDERS in whole chain
- ORDRSP Pilot wholesale => hospital pharmacy
- DESADV in whole chain
- INVOIC supplier => wholesaler
  wholesaler => hospital pharmacy
- ASSPRI recently introduced, ready for use
Non-GS1 messages in Healthcare

Branche standard: BVG

- **ORDERS**
  - Developed 25 years ago

- **ORDRSP**

- **ORDCHG**
  - End of 2012: GS1 standard only
Transaction data

Suppliers ↔ Wholesaler

- % used BS
- % used GS1
Transaction data

Wholesaler ⇔ Hospital Pharmacies

% used BS
% used GS1

<table>
<thead>
<tr>
<th></th>
<th>ORDERS</th>
<th>ORDRSP</th>
<th>DESADV</th>
<th>INVOIC</th>
<th>ASSPRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>% used BS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% used GS1</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
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</tbody>
</table>
Transaction data

Wholesaler ↔ Pharmacists

![Bar chart showing % used BS and % used GS1 for different categories.]

- ORDERS: 100% BS, 0% GS1
- ORDRSP: 80% BS, 20% GS1
- DESADV: 60% BS, 40% GS1
- INVOIC: 40% BS, 60% GS1
- ASSPRI: 20% BS, 80% GS1
Advantages and savings

Hospital pharmacy          AMC

<table>
<thead>
<tr>
<th></th>
<th>Year 2010</th>
<th>Year 2011 (Est)</th>
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</thead>
<tbody>
<tr>
<td>Orderlines</td>
<td>80%</td>
<td>87%</td>
</tr>
<tr>
<td>Fax/other</td>
<td>20%</td>
<td>13%</td>
</tr>
<tr>
<td>EDI</td>
<td></td>
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</tr>
</tbody>
</table>

Orderlines
Advantages and savings

Hospital pharmacy AMC

ORDERS
- Decentralisation of orderpoints (45 wards)
- Decrease total stock level
- Savings: 0.2 fte ordering

DESADV
- Increased stock quality
- Savings: 0.8 fte goods received
Advantages and savings

Pharmacies

ORDERS/ORDRSP
- Less exceptions in ordering

DESADV
- Less time for receiving goods, up to 30 minutes
- Less stock corrections due to wrong bookings
- Can be done by almost all employees
- Less stress in the pharmacies
Advantages and savings

Wholesaler ↔ Supplier

ORDERS/ORDRSP
- Less exceptions in ordering
- Est. 1-2 fte in ordering

DESADV
- Est. > 2 fte in goods received
- Lot-registration
- Expiry-date
Do we have some time left?

What’s more?
Focusgroup efforts

Assortment and prices

- ASSPRI
  - Introduced July 2011
  - supplier ⇔ buyer: 1 on 1
  - Assortment available to specific customer
  - Price conditions applicable to specific customer
  - Daily distribution of changes
Standardization

BAR codes

- **Datamatrix**
  - GTIN + additional information
  - Trade item level
  - Consumer unit and smaller

- **Databar**
  - GTIN + additional information
  - Trade item level
Conclusions

Implementation of messages

- Slow process
- Many stakeholders
- Logistic efficiency
- Safety for patient