

The Global Language of **Business**

In today's rapidly changing landscape, the pressure is on healthcare providers to ensure high quality patient care while working within ever increasing time and financial constraints. GS1 barcodes and standards help to address some foundational difficulties healthcare providers face and help deliver improved patient safety and cost-saving operational efficiencies.

Benefits of GS1 standards

Ensured traceability of products to patients

Waste reduction & increased accuracy of ordering processes

Improved inventory visibility and stock control

Efficient, accurate and targeted recalls

More time spend with patients

Reduction of medication error



Steps to implementation



What

What are the hospital's needs? What problems do you face?

How

Establish an expert group. Share success stories.

What are the stakeholders and their needs in the healthcare supply chain?

Some of the external stakeholders deliver products to a hospital, some others deliver services. These are needed to enable and secure quality of care.

Administrative procedures like procurement are facilitated by GS1 standards. Stakeholders may also be next to the hospital in the continuum of care for the patient after discharge.

Regulation supports the right barcoding of products, so all products entering the hospital can be processed in a safe and efficient way. This facilitates an optimal supply chain and allows for full traceability



What

Define the problem you want to solve. What have other hospitals done? Define where and how you want to implement track & trace.

How

Provide tools and online materials. Advice endorsement management team.

"As a Central Sterilisation Department manager I need registration of all available and used medical devices and a full overview of procedure events and of scheduled surgeries"

"As a **Board member** I would like an overview of impact in case of recall, up to date records of costs and revenues, quality compliance and benchmark and results of satisfaction surveys."

"As a **Procurement manager** I want to know if all required devices and medication are registered, located, in stock (or order) and ready for use. And I want to manage my suppliers."

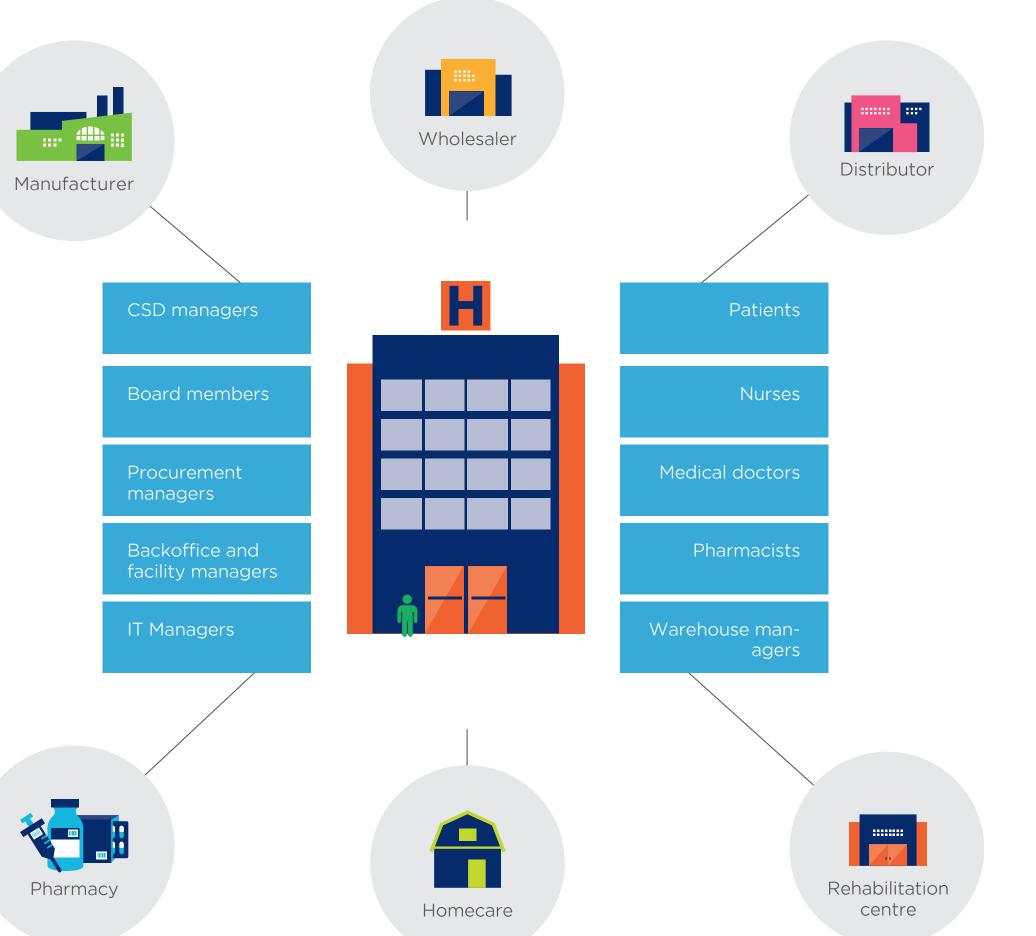
"As a **Facility manager** I need up-to-date records of planning, waiting lists, capacity, traceability of patients, medication and medical devices. I want

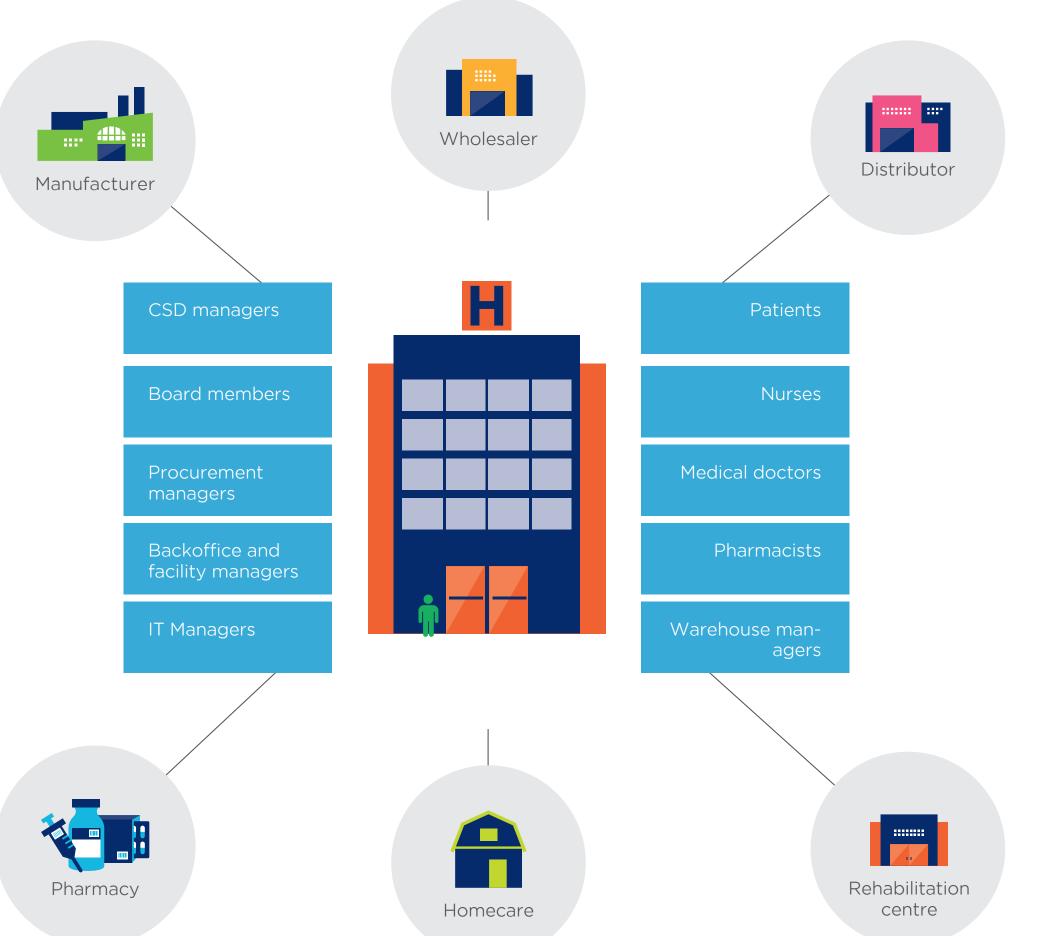
to know if patients are satisfied with our care."

"As an **IT manager** I want interoperability of systems to identify persons, places, available and used products and I need safe records and I want to manage my solution providers."

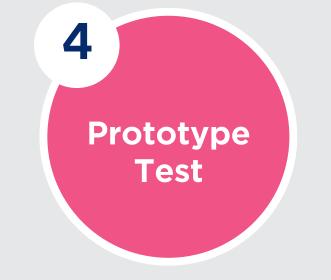


resources.





Share examples of other hospitals. Give insight in standards. Get clarity on (human & financial)

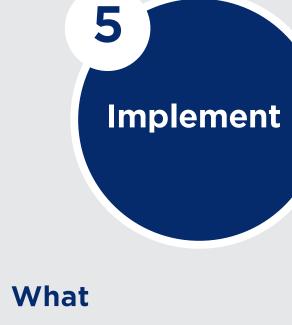


What

Launch a pilot study to test (a part of) your solutions. Start small, for instance with just one specialism or process. Collect feedback.

How

Ensure results are shared with hospital management. Test KPI's to monitor.



"Put it in production", make it work. Measure and evaluate.

How

Provide a helpdesk service. Prepare carefully the next phase.



"As a **Patient** I would like information concerning my disease, my doctor, treatment and costs"

"As a **Nurse** I want to check patient ID's, up to date patient records, medication, treatments and planning, available medical devices and medication"

"As a **Medical Doctor** I want to check

patient ID's, up to date patient records, diagnostic test results, treatments and planning, available medical devices and medication."

"As a **Pharmacist** I need an up-to-date record of patient ID, implants, medication, medical records, payers information, pharmacy stock and medication, status recall, patient and doctor feedback."

"As a Warehouse manager I would like up-to-date records of inventory and stock levels, costs and (re-)orders."

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About GS1 Healthcare

GS1 Healthcare is a global, voluntary user community bringing together all healthcare supply chain stakeholders, including manufacturers, distributors, healthcare provider olution providers, regulatory bodies and indust associations. The mission of GS1 Healthcare is to ead the Healthcare sector to the successful development and implementation of global standards by bringing together experts in Healthcare to enhance patient safety and supply chain efficiencies.

www.gs1.org/healthcare

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Knowing that we can make our hospitals better and safer is compelling enough to make standards part of everyone's job. "

Dr. Erik van Ark, Executive Director of Medical Staff, Chairman of Operating Rooms, Bernhoven Hospital, Netherlands.

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We needed GS1 standards. Otherwise, we would risk implementing processes and systems that didn't capture the same data and allow us to use effectively.

Rosemary Kennedy, Executive Director-Business & Infrastructure, Australian Capital Territory Health.

Patient Journey - Breast Implant Recall

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Situation		Patient has original surgery.	Health inspection receives information and decides to recall all products.	The patient has complaints.	Patient visits the GP when complaints are getting worse. GP sends patient to the medical doctor in the hospital.	Patient visits medical doctor. Medical doctor decides that implant has to be removed.	Surgery is planned in OR planning. Patient receives date and time of surgery.	Patient arrives at the hospital. Patient is given a wristband with patient ID. The nurse helps the patient to get prepared for surgery.	Patient has surgery.	Patient returns home. Patient is given medication / prescription for use at home.	Patient vi check-up
Future solutions	GS1 added value	 GLN GDSN GSRN Patient ID Staff ID (Procedure ID) Product ID (GTIN) Hospital ID Data pool system 	 GLN GTIN GSRN GTIN-data will facilitate relevant parties to inform authorities on recall GS1 helps in creating recall procedure: Steps to follow UDI Hospital ID 	GTIN GDSN GSRN • Product data exchange through GDSN	GTIN GDSN • Product data exchange through GDSN	GTIN GDSN GSRN • Standardised systems • UDI	 GTIN GDSN GSRN Inventory and sales system to report suppliers Quality systems facilitate taking responsibility - quality issues, if detected, are remedied by (risk mitigation) Stock management Purchasing management 	 GTIN GDSN GSRN Staff ID Patient ID Quality systems facilitate taking responsibility - quality issues, if detected, are remedied by (risk mitigation) 	 GTIN GDSN GSRN Patient ID Product/Implant ID Proper registration IT systems / files storage Quality systems facilitate taking responsibility - quality issues, if detected, are remedied by (risk mitigation) 	GTIN GDSN GSRN • Quality systems facilitate taking responsibility - quality issues, if detected, are remedied by (risk mitigation)	• Quality taking quality are ren mitigat

Patient Journey - Surgical treatment

Patient	tΥ								
3		Complaints	GP consult	Diagnosis in hospital	Pre-operation at home	Hospitalization and surgery	Discharge from hospital	Recovery	After
Situa	ation	The patient experiences the first complaints.	Patient pays visit to the GP when complaints increase.	Patient is diagnosed by medical doctor.	The patient prepares for the surgery.	Patient has surgery.	Patient is discharged from hospital.	Patient recovers from surgery.	Patient visits hospi
Future solutions	GS1 added value	• In some countries: a national ID for gathering and re-usage of patient's information: Past surgery, medication, insurance, allergies, implant (recall, MRI)	GLN GDTI GTIN GSRN • Patient ID and Staff ID • FMD	GLNGDTIGTINGSRN•Wristband with patient ID•Patient ID and Staff ID	GLN GDSN GTIN GSRN • EDI communication	 GLN GDSN GTIN GSRN Wristband patient ID Bedside scanning Assist scanning Staff ID 	 ODSN GTIN GSRN Patient ID Product/Implant ID Quality systems facilitate taking responsibility - quality issues, if detected, are remedied by (risk mitigation) 	GDSN GTIN GSRN • Quality systems facilitate taking responsibility – quality issues, if detected, are remedied by (risk mitigation)	GDSN GTIN • Quality systems for responsibilitye - of detected, are reminitigation)

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Acronym Decoder

EDI Electronic Data Interchange

GDSN Global Data Synchronisation Network

GDTI Global Document Type Identifier

GLN Global Location Number

GP General Practitioner

GSRN Global Service Relationship Number

GTIN Global Trade Item Number

OR

Operation Room

