



GS1 STANDARDS TO MOVE PRODUCTS THROUGH THE SUPPLY CHAIN – The view of wholesalers, distributors and logistics providers

GS1 Healthcare Conference

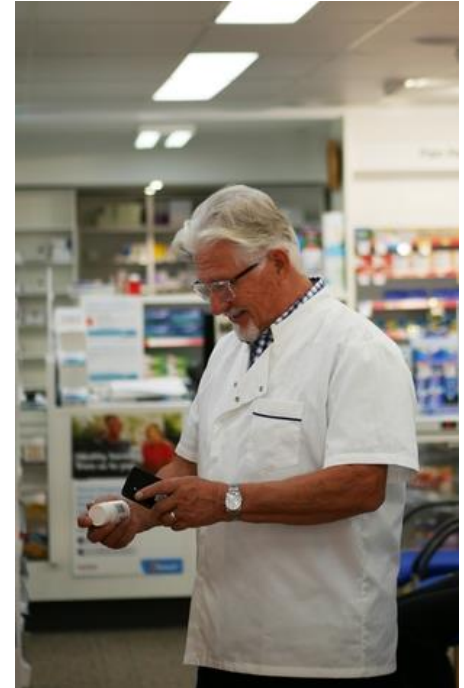
**Mike Meakin, Vice President, Global Quality Regulatory & Compliance
Bangkok, October 2018**

DHL Life Sciences & Healthcare



Today's speakers

- Scott Mooney, Vice President Distribution Operations Supply Chain Assurance, McKesson Pharmaceuticals, US
- Jeff Denton, Global Secure Supply Chain, AmerisourceBergen, US
- Mr. Gu Yimin, General Director, Sinopharm Logistic Company, China



Our agenda

- 5 min introduction – Mike
- 15 min presentation – Scott
- 15 min presentation - Jeff
- 15 min presentation – Mr Gu
- 20 min Q & A from the audience –
Facilitated by Mike
- 5 min close – Mike



GS1 Standards in Use at McKesson Corporation Globally

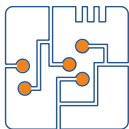
Scott Mooney, Vice President Distribution Operations

McKesson Corporation

GS1 Global Healthcare Conference

Bangkok, Thailand

October 31, 2018



Healthcare is getting more high tech

Populations are getting older around the world



Chronic diseases are more common



Healthcare is changing rapidly

Consumers have more power



Value-Based Care is here and continues to prevail



Governments & regulators continue to rewrite the rulebook

We Make Better Health Possible

From delivering life-saving medicines to helping our customers and partners solve their problems, everything we do is to improve lives by making better health possible.

*Distribution Motto:
Its not just a package, it is a patient!*

We're Proud of Where We Are Today

We have **75,000+** employees in 16+ countries

Our FY17 revenues were **\$199B¹**



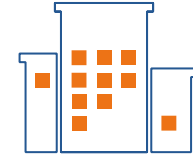
We serve **2M+ customers** each day across 13 European countries

Specialty Leader

We support 9,100+ oncologists & other specialists



We're a Fortune 5 & 'Most Admired' company



We support **15,000+** owned and banner pharmacies



We offer **250,000+** SKUs of brand & private label medical-surgical supplies



We deliver **1/3 of prescription medicine** in North America²

¹Financial data reported for Fiscal Year ended March 31, 2017. Operational and employee data reflected as of March 31, 2017.

²This information is an estimate derived from the use of information under license from the following IQVIA, formerly Quintiles IMS, information service: Market Prognosis North America for the period 2017-2021 (published March 2017). Note: IQVIA expressly reserves all rights, including rights of further copying, distribution and republication. McKesson does not warrant or represent the accuracy of IQVIA data or McKesson's interpretations of IQVIA data. Any subsequent use or interpretation of this data will be the liability of the receiving party and not of McKesson or IQVIA.

Supply Chain Excellence

We strive for perfection with
99.98% order accuracy
in North America

Together with Walmart,
we're creating more value
for customers & patients



We take efficiency to the
highest level with
6σ *McKesson*
Six Sigma



We take a global approach
to procuring and sourcing
our products

We keep costs down and
efficiency high with our own
generic drug, medical
supply and over-the-
counter

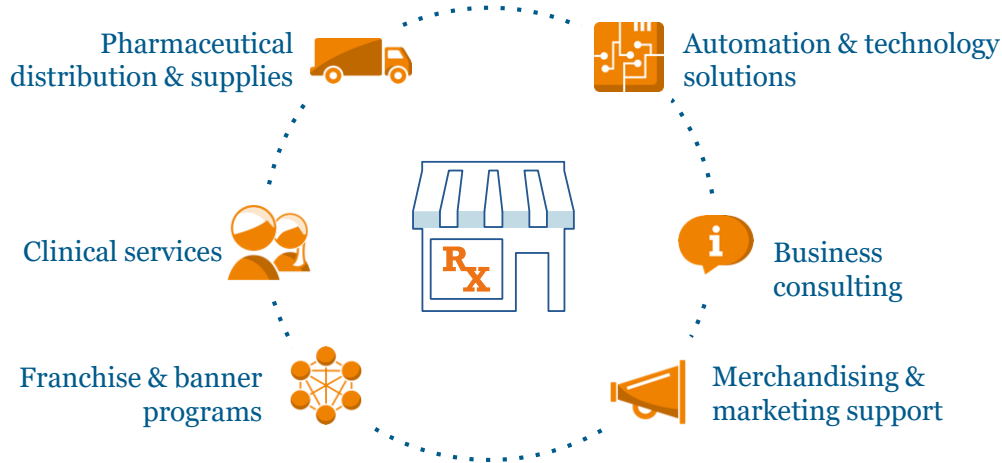


We supply and operate
pharmacies around
the world

Pharmacy

Delivering closer patient relationships

We help pharmacies spend more time with patients and less time worrying about the everyday nuts and bolts of running a business. We have solutions for just about anything that gets in the way of that.



15,000+

owned and banner pharmacies



Canada:

~2,500 owned and banner



United States:

>4,800 Health Mart stores



Europe:

>8,100 owned and banner



LloydsPharmacy

Guardian

Rexall

Remedy's Rx.

gesundleben

Careway

Biologics

vitusapotek+

Pharmactiv

Proxim

CLINIQUE Santé

Sainsbury's

EUNIPRIX

I.D.A.

Community Providers

Delivering more time for patient care

Because we know most providers aren't passionate about back-end administration, our focus is helping them gain more time to do what they actually love — deliver the best possible care to improve lives.



Specialty Leader

- > **1.3M prescriptions** dispensed in the U.S. each year *
- > **3,700 Oncologists**
- > **5,350 other specialists**



*“The **US Oncology Network** provides practice management resources that have helped us drive new development and achieve double-digit growth rates while continuing to thrive as an independent community oncology provider.”*

*Dr. R. Steven Paulson,
Practice President, Texas*

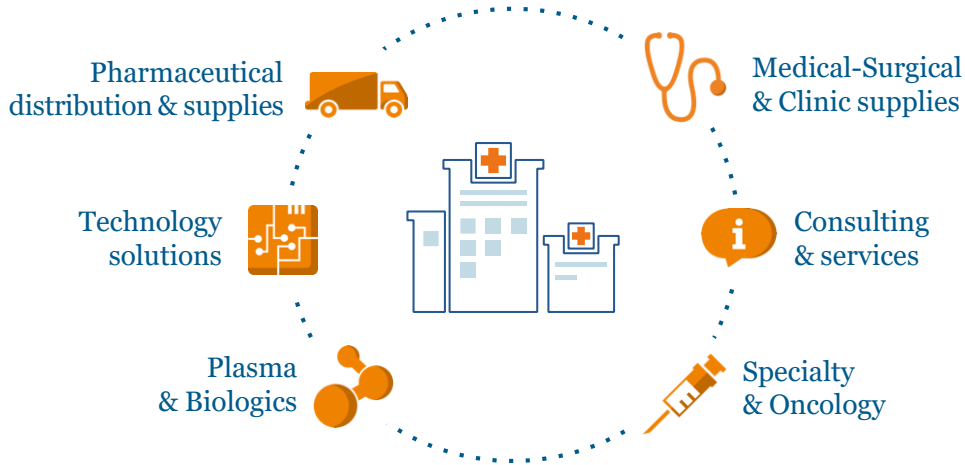
Oncology

* Fiscal year 2017 data.

Health Systems

Delivering a healthy future

It's not an easy time for health systems. That's why we take a holistic approach to keeping them healthy. They surround the patient. We surround them.



It's About the Patient

*Sentara Healthcare **saved** nearly **\$2 million** in annual drug spend and **520 manual hours** with better drug spend intelligence.*

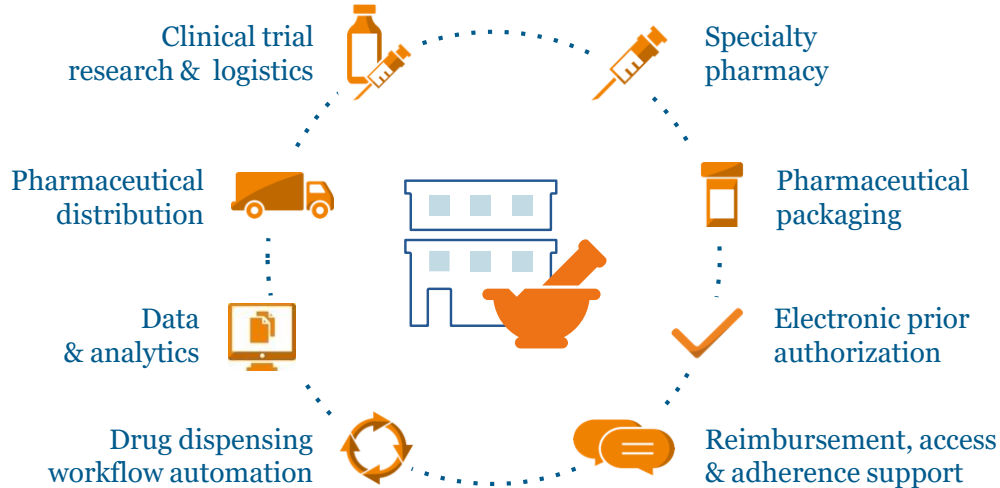


*That's more time and money for **patient care**.*

Manufacturers

Delivering access to improve lives

Extending and improving the quality of patients' lives is what drives manufacturers. Helping them realize their full potential is what drives us.



*Differentiated Partnership**

> 6M+ patients
receiving copay support

> 20M+ claims processed
to lower Rx costs

> 70,000+ patients supported
in **1,500+ clinical trials**



Pharmaceutical Distribution



GS1 Bar Codes in Action

Each content contains 000 mg content description

NDC 0093-0000-00

PRODUCT NAME
Contents
000 mg

Rx only
000 CONTENTS

TEVA

KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN. TEVA PHARMACEUTICALS USA Sileresville, PA 18960

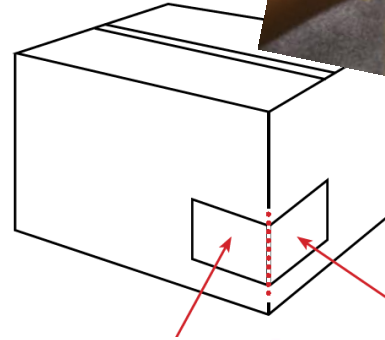
Usual Dosage: See package insert for full prescribing information. Store at 20° to 25°C (68° to 77°F) (See USP Controlled Room Temperature of USP-NF). Dispense in a light-resistant container with a child-resistant closure (as required).


100000000478
 01/2015
 12345678

000-00-0000000

100000000478
 01/2015
 12345678

0093-0000-00



 <p>CloudPharma, Inc. 123 Aerie Way, Lofton, WI 01234</p> <p>Medicine Tablets—100mg X 100 Tablets X 12 Bottles Store at controlled room temperature</p> <p>EXP-12/2020 Lot: 123456L QTY: 12</p>  <p>(17) 201231 (10) 123456L (30) 12</p>  <p>N(01) 5 0312345 67890 1 (21) 123456789012</p>	 <p>CloudPharma, Inc. 123 Aerie Way, Lofton, WI 01234</p> <p>Medicine Tablets—100mg X 100 Tablets X 12 Bottles Store at controlled room temperature</p> <p>EXP-12/2020 Lot: 123456L QTY: 12</p>  <p>(17) 201231 (10) 123456L (30) 12</p>  <p>N(01) 5 0312345 67890 1 (21) 123456789012</p>
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Internal vs. External Use

Proprietary Locations and Units

Shelf Locations
A-100-C-2

Tote Labels
T123456789



GS1 Locations and Units

GS1 GLNs

0010939144003

urn:epc:id:sgln:0010939.14400.0

GS1 SSCCs

(00)00109397371830085

GS1 SSCC Shipping Containers



Product Aggregation

Products aggregated to tote SSCC

Lots captured optionally at present

Serial numbers captured for later DSCSA requirements

Aggregation data being transmitted by EDI ASN now,
EPCIS in future



GS1 Standards in Electronic Communications

Incorporate GLN's, GTINs
and SSCCs into EDI

850 – Purchase Order (**S**,**C**)

855 – P O Acknowledge (**C**)

856 – Adv Ship Notice w/DSCSA (**S**,**C**)

810 – Invoice (**S**,**C**)

844 – Chargeback (**S**)

845 – Contract Load(**S**)

849 – Chargeback Response (**S**)

812 – Credit(Returns) (**S**,**C**)

832 – Item/Price Catalog (**C**)

820 – Remittance Advice (**C**)

852 – Inventory Report (**S**)

867 – Sales Report (**S**)

879 – Item File (**C**)

888 – Cost File (**C**)

861 – Receipts Transaction (**C**)

875 – Grocery Purchase Order (**C**)

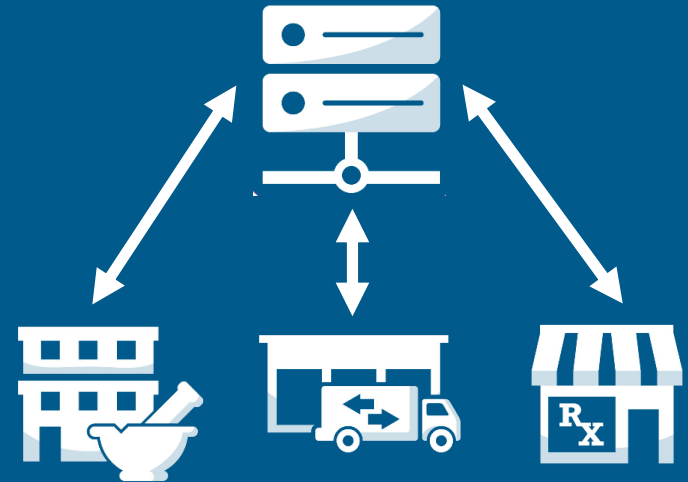
880 – Grocery Invoice (**C**)

(**S**) Used with Suppliers

(**C**) Used with Customers

Serialization Goal in the EU

- EU wide Central Repository to manage data to National Repositories
- Products uploaded to Central Repository and passed to National Repository where product is intended to be dispensed.
- In some cases, wholesale distributors verify a product against National Repository
- Dispensers verify against National Repository before dispensing AND report disposition when consumed



Serial Distribution in the EU

- Program in 15 steps has been agreed with all countries
 - setting of project team
 - construction of project plan
 - create a CAPEX/OPEX for FY2019
 - Process mapping of affected areas
- Completion of interfaces for serialization (Retail and Wholesale)
 - Modification of our pharmacy systems software
 - Modification of our warehouse management software
- Implementation of Wholesale solution by end of November 2018



Herba Chemosan Apotheker-AG; Pharma Belgium; Belmedis; Tjellesen Max Jenne A/S; OCP France; GEHE Pharma Handel; United Drug Distribution; ADMENTA Italia; Brocacef Norsk Medisinaldepot; OCP Portugal; Kemofarmacija; AAH Pharmaceuticals



Sainsbury's **gesundleben** Careway **Biologics**
vitusapotek+ **Pharmactiv** **SUNPRAX**
LloydsPharmacy

Returns Requirements in the US

- 1) Distributors must associate the original Transaction Information, Transaction History and Transactional Statement with a saleable return.
 - 2) Verify that the product identifier affixed to the product corresponds with the data the manufacturer assigned.
 - A. Manufacturers can send serialized data for their shipments to their trading partners to be used for verification of future saleable returns
- OR ---**
- B. Manufacturers can make serial data available for query using a Verification Router Service requesting data for the distributors



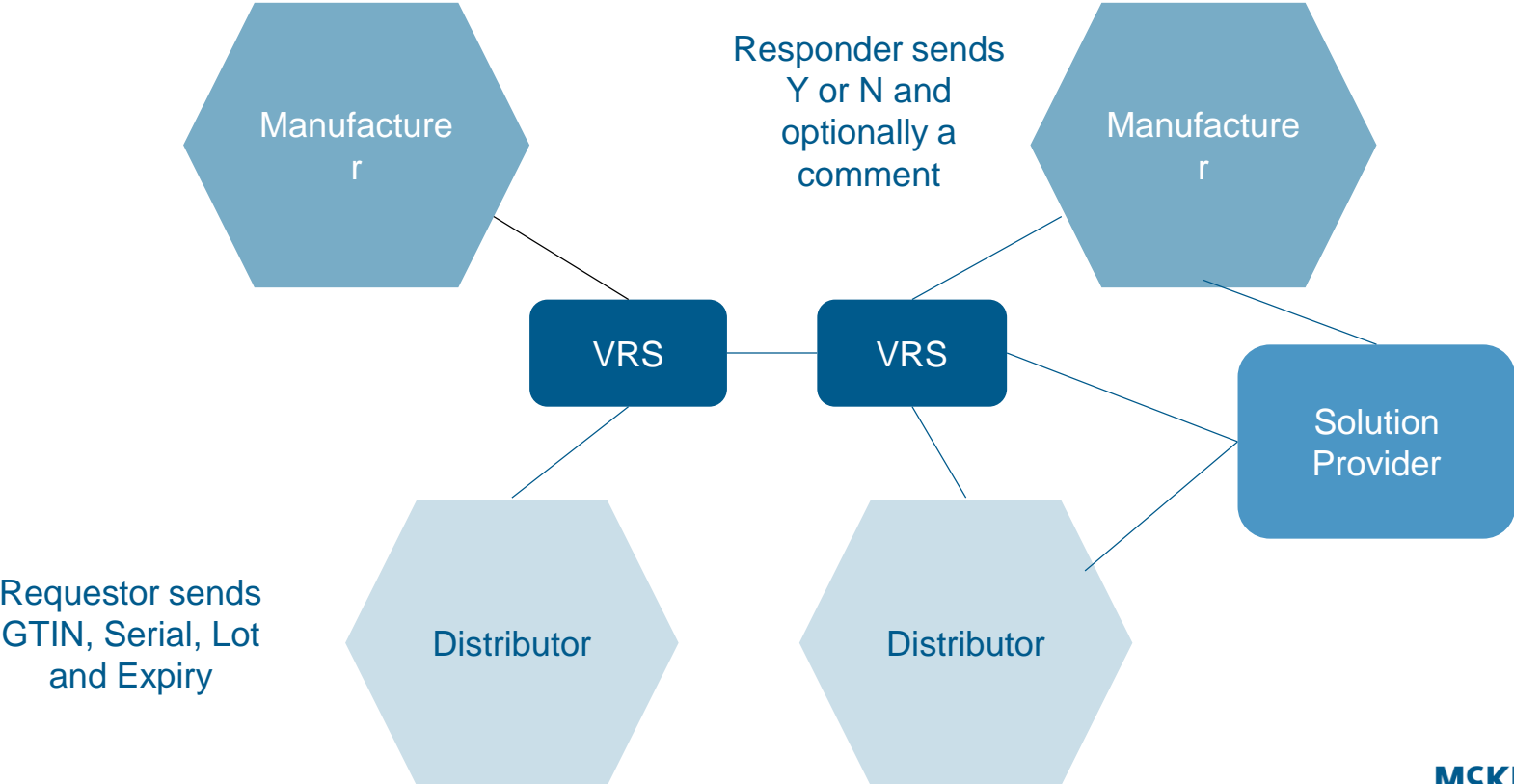
Annual saleable returns in US estimated at 60 million pieces across the industry



DSCSA Verification Router Service

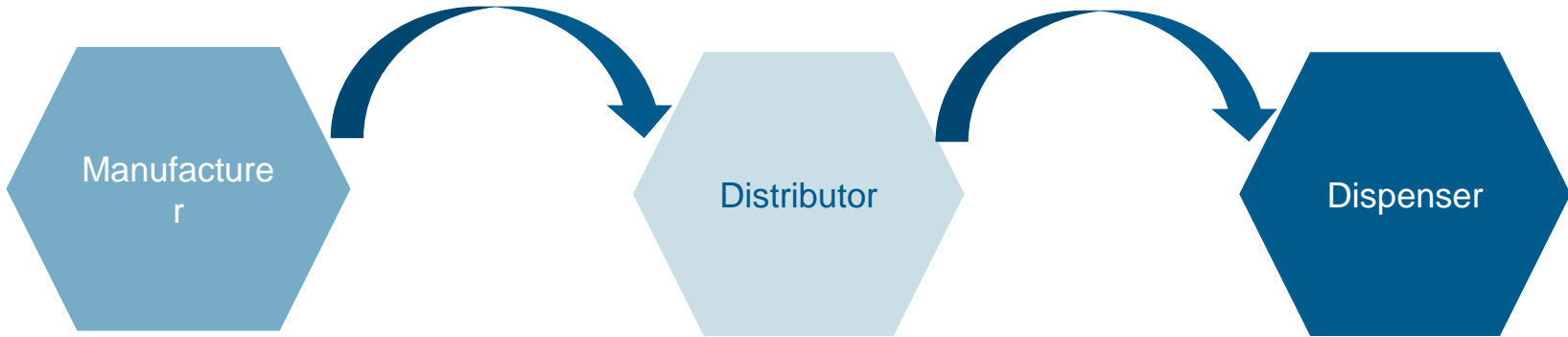


Needed for 2019



DSCSA Serialized Data Exchange

Needed for 2023



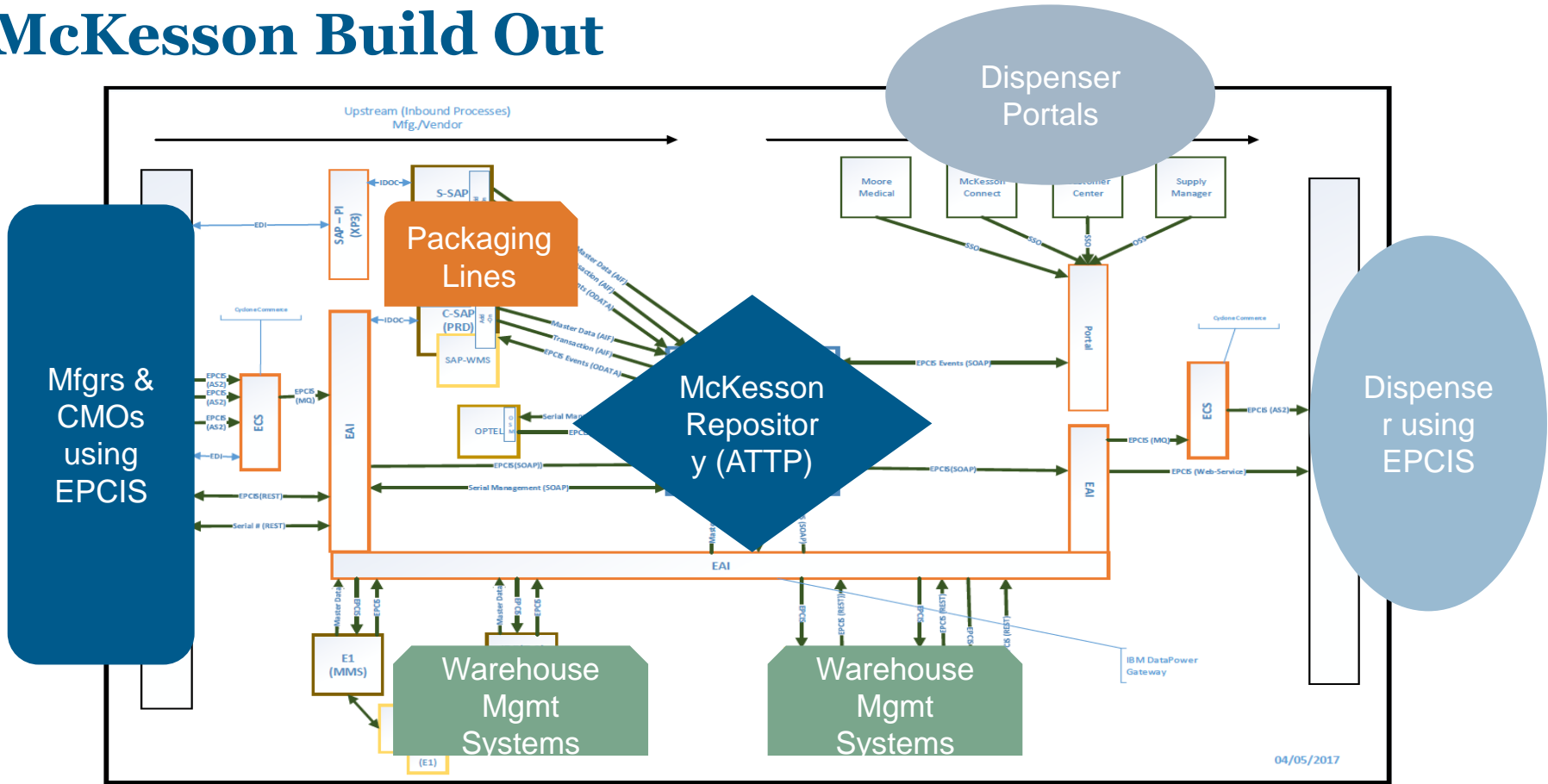
*Point to Point Connections using GS1 EPCIS
w/GTINs, GLNs and SSCCs*

Manufacturing and 3PL

- McKesson manufactures generic prescription and over the counter medicines along with medical surgical supplies in various countries around the world.
- We require the encoding with UPC-A or GS1 2D data Matrix barcodes.
- All are required to marked products with GS1 standard identifiers which may include GTIN, Lot, Expiry and Expiration.
- Production data such as serial numbers are communicated using EPCIS between McKesson and our contract manufacturer partners.
- McKesson provides 3PL logistics services to Brand Owners and utilizes the same GS1 Standards system above to coordinate with the Brand Owners CMOs.



McKesson Build Out



Miscellaneous Topics

Aggregation and Bar Code Readiness

Aggregation (for Data Exchange)

- Not REQUIRED by the DSCSA
 - --- HOWEVER ---
- Manufacturer...
 - Packed at Owned and CMO facilities to send to Manufacturer warehouses
 - Manufacturer obligation in 2023 to identify serial numbers in a DSCSA transaction
 - Cannot identify inner contents without aggregation
- Distributor...
 - Receives sealed homogenous cases
 - May sell unopened cases to dispenser
 - Large dispensers seek case quantities
- Dispensers...
 - Seeking efficient receiving processes



Scott Mooney
Vice President, Distribution Operations
Supply Chain Assurance
McKesson Corporation
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www.mckesson.com



Importance of Standards

Jeff Denton, Sr. Director, Global Secure Supply Chain

October 2018

Serialization

Agenda

Part 1	Who is AmerisourceBergen?
Part 2	The Importance Of Inter-Operability
Part 3	Issues Today
Part 4	What's Next?"

Business Units and Solutions

AmerisourceBergen			
Drug Corporation	Specialty Group	Animal Health	Global Sourcing & Manufacturer Relations
<ul style="list-style-type: none">▪ Drug distribution to retail pharmacies, hospitals and alternate sites▪ Good Neighbor Pharmacy services to independent pharmacies▪ Product dispensing and packaging solutions▪ Business coaching and consulting	<ul style="list-style-type: none">▪ Specialty drug distribution to physician offices, hospitals and alternate sites▪ Practice efficiency solutions▪ 3PL and clinical trial logistics▪ Specialty pharmacy▪ Global health outcomes▪ Patient access and adherence services	<ul style="list-style-type: none">▪ Animal health product distribution▪ Veterinary practice efficiency solutions▪ Product dispensing and production animal management technologies▪ VetOne private label animal health product portfolio	<ul style="list-style-type: none">▪ Global partnership development with pharmaceutical manufacturers▪ Product sourcing and supply chain management across all channels▪ PRxO Generics program management and operations

A Day in the Life of a ABDC Distribution Center

25 DISTRIBUTION CENTERS **25K** SKUs EACH
AVERAGING



5,665
→ SHIPMENTS RECEIVED
BY THE DISTRIBUTION CENTERS

40,000
CUSTOMERS SERVED

130K
☎ CUSTOMER CALLS
TAKEN PER MONTH

40,259
DAILY RECEIPT
TRANSACTIONS
— PROCESSED —

2,874,972
AVERAGE UNITS
RECEIVED PER DAY



156,690
CASES | AVERAGE
RECEIVED PER DAY

DSCSA and Impact to ABC Business Units

And associated timeline



DQSA Expectations	Effective Date	AH P	Blue - point t	ICS 3P L*	ICS Title	ABSG	Drug	Thera Com Dist.	Thera Com Pharm	US Bio	Central Fill	MWI *
Transactional Information Provided by Manufacturer, Wholesaler and Re-packager	1.1.2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Suspect & Illegitimate products - SOP	1.1.2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Authorized Trading Partner	1.1.2015		✓	✓	✓	✓	✓	✓	✓	✓	✓	
Transactional Information Accepted by Dispensers	7.1.2015	✓	✓	✓	✓	✓	✓	✓				
Federal Licensure Standards Wholesale/3PL	2015		✓									
Manufacturers Serialize	11.27.2017	✓										
Re-packagers Serialize	11.27.2018	✓			✓	✓	✓	✓				
Wholesalers Accept/Sell Serialized Product & Validate Serialize Number on Saleable Returns	11.27.2019								✓	✓	✓	
Dispensers cannot accept product that is not serialized	11.27.2020	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Complete Traceability	11.27.2023											

B2B In Today's Environment

Standard processes in B2B are used today at AmerisourceBergen

- Millions of transactions involved
- Multiple Business Needs; Procurement, Receivables, Payables, Regulatory, etc.
- Vendor & Healthcare Providers: Purchase orders, Invoicing, Shipping Advices, Chargebacks, Return Requests, etc.

Standards for Transactional file formats and content are used today

- Most in place for over 30 years with minimal updates
- Primarily ANSI X12

Errors are involved

- Material and Business Entity Identification
- 100's or resources involved to "clean it up"

The importance of Interoperability

- ABC processes hundreds of thousands of transactions shared with and between trading partners each business day
 - Manufacture PO's/Invoices, Shipment Notice/Advice, Credits, Return Authorization, Chargeback/Rebates, Customer PO/Invoices VIA Electronic Data Interchange, etc.
 - EDI Is used for 99.99% of all transaction interactions
 - Have been interoperable with the use of standards in electronic transactions for 35+ years
- Interoperability has been made possible with the use of Standards
 - Transaction sets; primarily ANSI X12 Format
 - Defined field content within electronic transactions
 - Provides predictable content for processing

Issues with current processes that continue to plague our supply chain

➤ Product Identification

- NDC Number is used in the US for broad product identification
- Does not represent pack or case size

➤ Product Markings on Case or Outer-pack

- Multiple Bar Codes
- Multiple placements of labels
- Multiple placement of label content

➤ Trading Partner Identification

- Multiple identifiers are used including DEA, DUNNS, HIN, State License Number
- Identifier does not always represent the exact location within a physical building, i.e.. Hospital Pharmacy versus Hospital Outpatient Clinic
- Names and ownership can change frequently across customer base

➤ ANSI X12 Datasets

- Multiple “maps” of each transaction are required to meet the needs of our trading partners



Removing the ambiguity - GS1 Standards will resolve our issues! -

➤ Product Identification

- GS1 Global Trade Identification Number (GTIN) will replace the use of NDC
- Provides exact product identification, including pack/case

➤ Product Markings on Case or Outer-pack

- Provides universal specification for Bar Code use and content
- US is migrating to GS1 2D Data Matrix Bar Code on all Pharmaceutical Products

➤ Trading Partner Identification

- GS1 Global Location Number (GLN) will replace the use of multiple
- GS1 GLN's can be very specific in location identification for ordering, billing, shipping as well as changes in ownership

➤ EPCIS

- GS1 Electronic Product Code Information Services (EPCIS) will be used for regulatory transactions
- No adjustment to format required removing the need for variable maps

Moving to a serialized world

It's an opportunity to go from this...



What Standards can do!



- Unit Level: Assign a unique serial number to each saleable unit and case with GS1 2D Standardized format.



- Case Level: Encode the GTIN, serial number, expiration date, and lot number in a 2D GS1 DataMatrix.



New Business Requirements Drive New Technology and Increased Need For Standards

- Electronic Product Code Information Services
 - Requires data not currently used in our industry, i.e. product serial numbers
 - Requires speed in data sharing between trading partners to protect supply chain performance

- Demands Reduction in Errors

- And then there is BlockChain.....

Contact Information:

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AmerisourceBergen®

Where knowledge,
reach and partnership
shape healthcare delivery.





国药物流
SINOPHARM LOGISTICS

Pharmaceutical Safety Traceability

System In My View

Sinopharm Logistics Co.Ltd

Yimin Gu

2018.Oct

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1. Sinopharm Traceability System

Based On S.A.V.E

2. GS1 Coding System Helps Build
Traceability System



01

Sinopharm Traceability System Based On S.A.V.E

Introduction of Sinopharm Logistics



中国医药集团有限公司
China National Pharmaceutical Group Corp.

国药控股股份有限公司
SINOPHARM GROUP CO. LTD.

国药集团医药物流有限公司
Sinopharm Logistics

CPAG
GROUP

5A logistics
enterprise

Business
association

Pharmaceutical
Supply Chain
Annual Enterprise

Shanghai

high-tech enterprises

Shanghai

May 1st Labor Award

Shanghai

Model Worker's Home

Logistics service products for the entire supply chain



**Import
declaratio
n**



**Distribution
processing**



**Multi-DC
logistics
service**



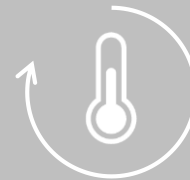
**Order
service**



**Trunk
line+Landing
delivery**



**Information
service**

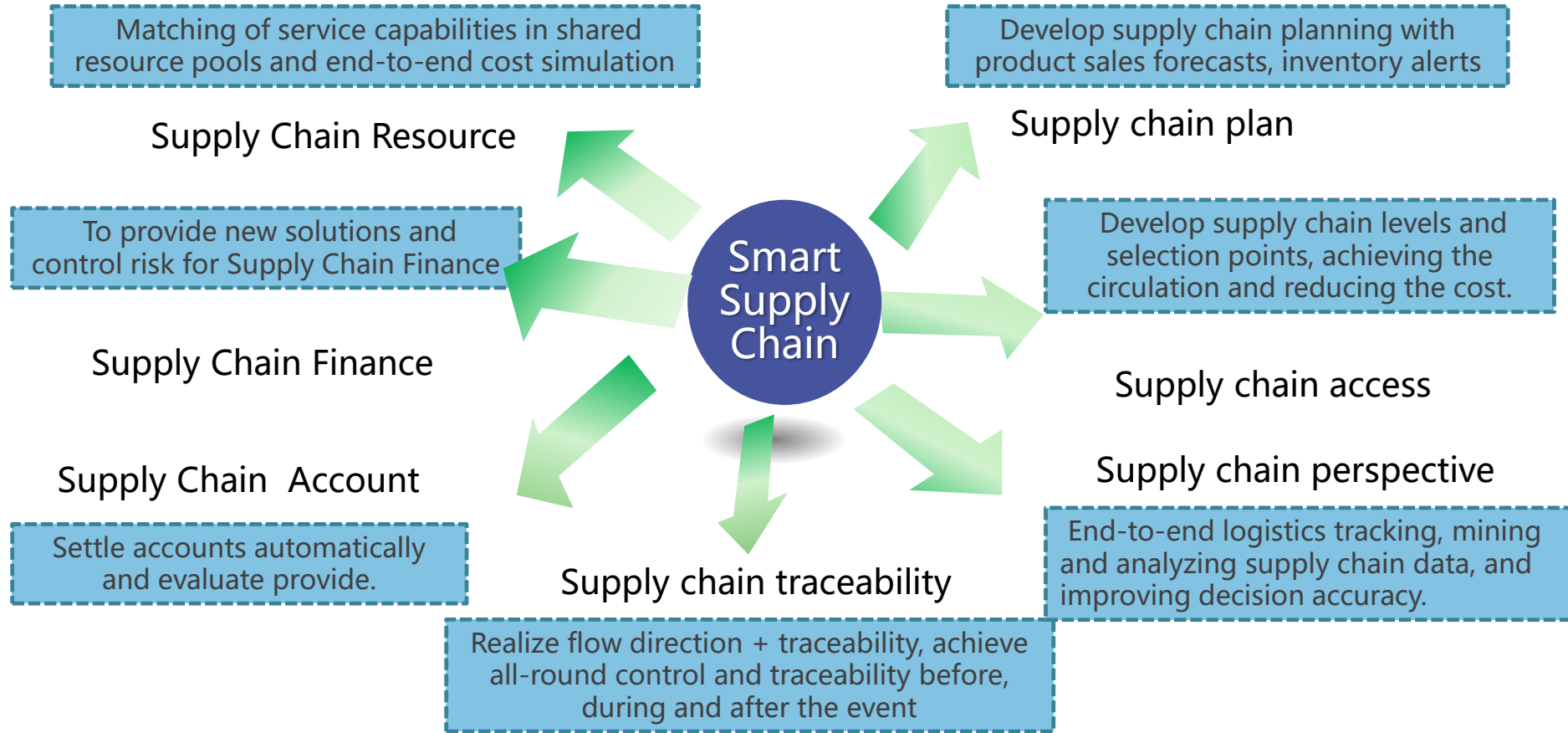


**Cold chain
technology**



**In-hospital
logistics**

The need and construction of national logistics smart supply chain management capability



Warehouse integration cooperative service

Based on automation equipment, supported by WMS and TMS, manage warehouse resources pool through the SAVE platform to complete complex and differentiated logistics delivery.

Omni-directional information logistics value-added service



Based on advanced information technology and big data technology, we will complete value-added services such as data analysis, operational performance and decision support through the SAVE platform.

Supply chain upstream and downstream solutions and optimization

With logistics network planning and distributed order management as the core, it provides solutions for rational distribution, modeling and push-pull order management services for the global supply

Safe

- Comply with GSP regulation
- QA Mgmt
- Temp & Humidity Control

Accessible

- Integrated Management
- Transportation Warehouses
- Cross Region Transference

Visible

- Resource Visible(warehouse,transport,cold chain facilities)
- Goods Visible (inventory, owner, multi warehouse.)

Efficient

- Order Visible (full order tracking)
- Optimization Tools
- Multi warehouse linkage and cost optimization
- Sales Forecast and inventory alert

SAVE supply chain deployment



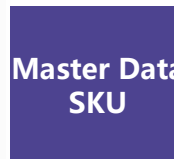
457 (Three-party owners
account for more than 50%)



188



250K



180K



500K

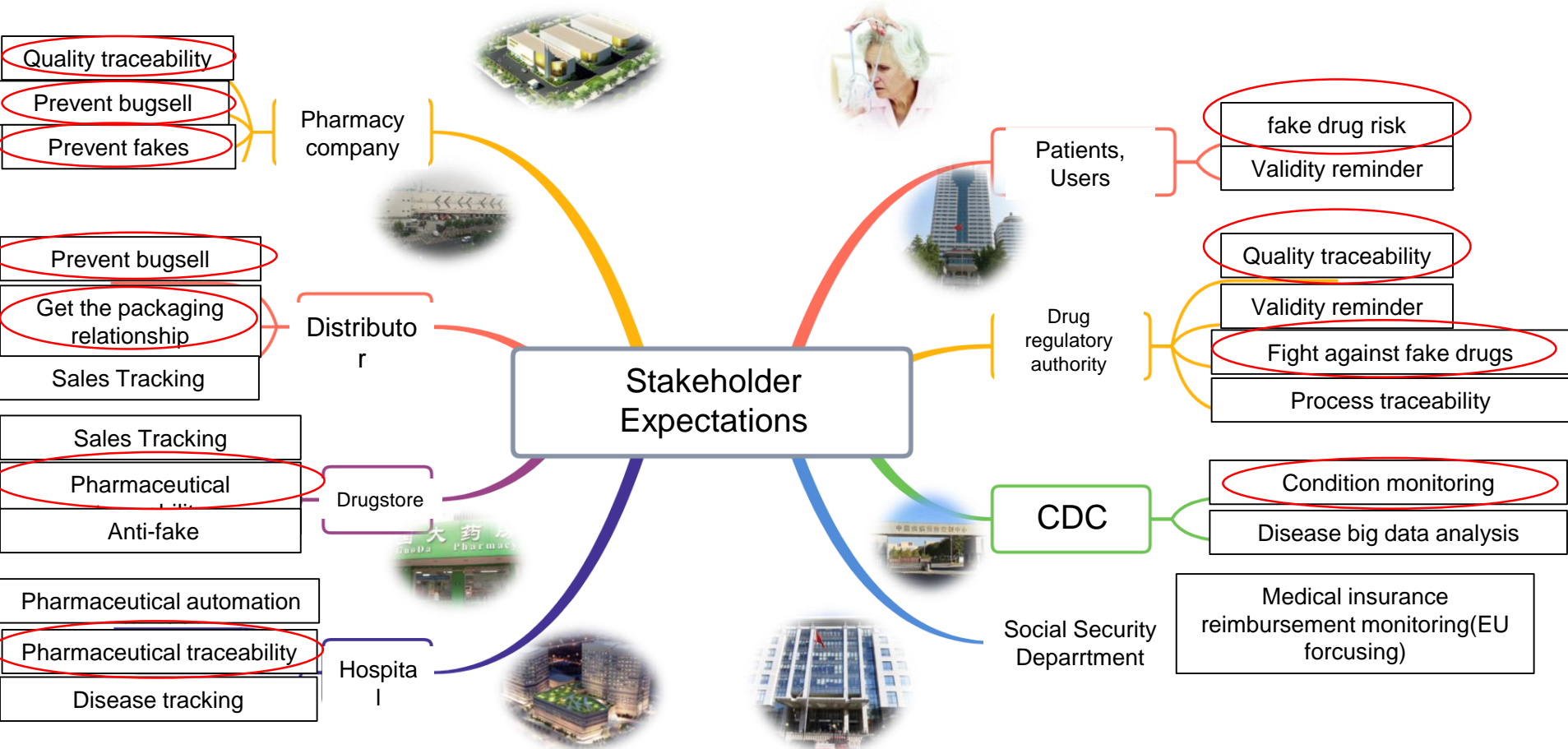


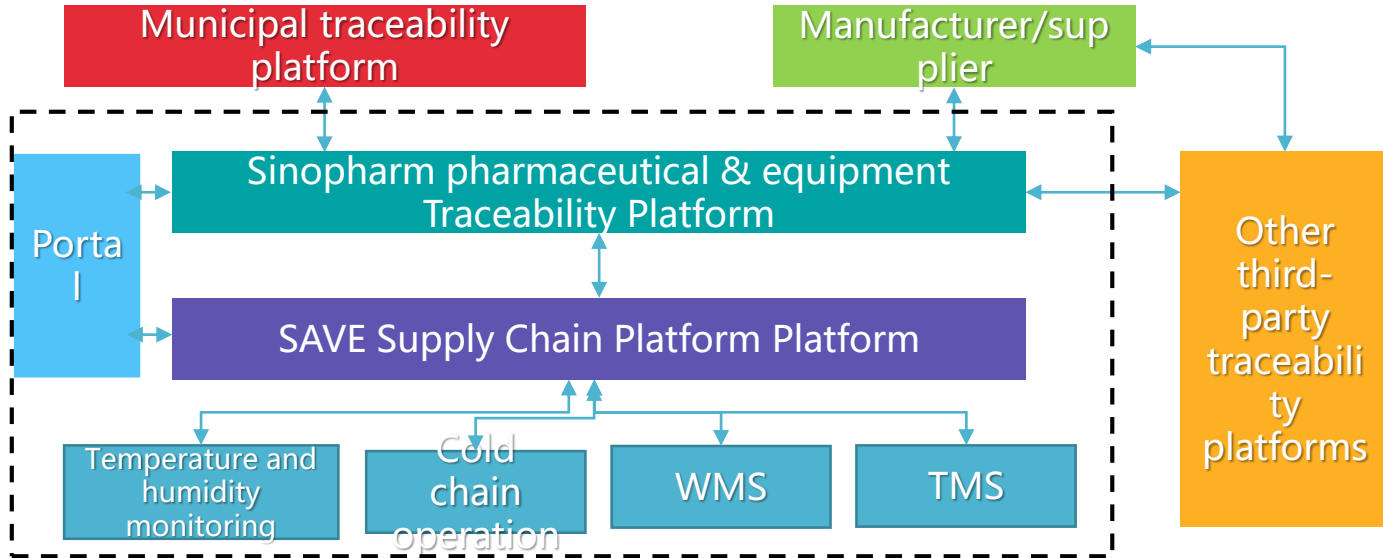
8Mil



800Mil

The Expectations Of Traceability System's Stakeholders





- Interfacing with production company/supplier data to obtain basic information and relationships, feedback flow traceability and other value-added service information;
- Interfacing with other third-party traceability platforms to obtain basic information and related relationships, and feedback traceability information according to the requirements of the traceability entity;
- Interfacing with regulatory agencies, feedback regulatory inspection data as required;
- The portal provides retrospective information that is fully integrated with the parties, including flow, logistics, quality, and physical traceability.

Traceability system function - logistics traceability, order tracking visible

出库总表详情

返回

节点

温度

总单号	160001075892	物流单号	SHS0CBHZHT
订单状态	关闭	编码/货主	85/ [redacted] 业部
编码/仓库	CHQ/上海康宁路2号库	编码/客户	3015765/[redacted] 有限公司

订单追踪



■ 未到达 ■ 进行中 ■

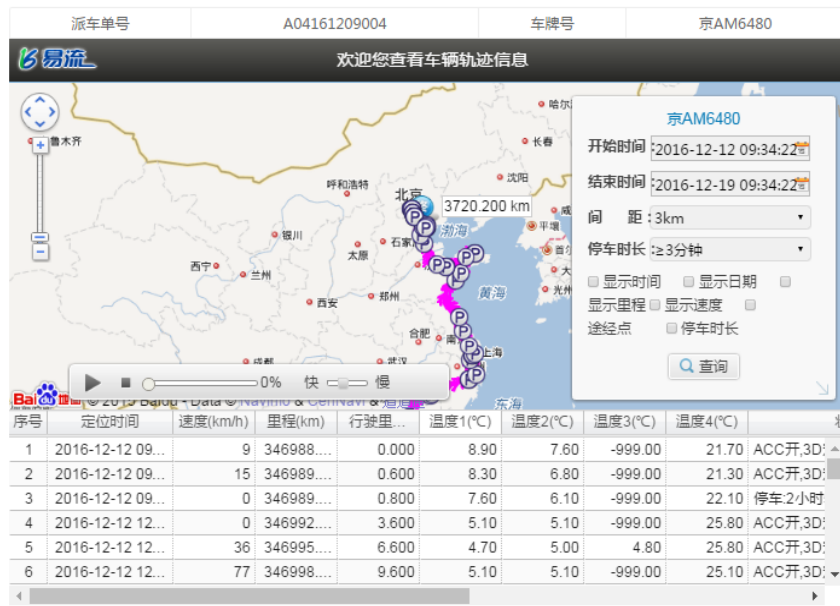
处理时间	处理信息	异常信息	处理
2016-12-09 15:45:00	客户已签收		
2016-12-09 15:45:00	货物已到达		
2016-12-09 12:07:44	调度已完成		
2016-12-08 12:29:00	配送车辆已出发		
2016-12-08 00:44:28	订单已关车		
2016-12-07 19:02:14	拣货完成		
2016-12-07 18:07:04	正在拣货		
2016-12-07 17:48:38	已波次单据不能取消		
2016-12-07 17:14:51	订单已下达仓储管理系统		
2016-12-07 08:18:26	订单已下达运输管理系统		
2016-12-07 08:18:00	物流指令已生成		
2016-12-07 08:18:00	平台已接受订单		
2016-12-07 08:13:09	货主已开单		

运输轨迹

返回

派车单号	A04161209004	车牌号	京AM6480
------	--------------	-----	---------

易流 欢迎您查看车辆轨迹信息



序号	定位时间	速度(km/h)	里程(km)	行驶里...	温度1(°C)	温度2(°C)	温度3(°C)	温度4(°C)	状态
1	2016-12-12 09...	9	346988...	0.000	8.90	7.60	-999.00	21.70	ACC开,3D: ^
2	2016-12-12 09...	15	346989...	0.600	8.30	6.80	-999.00	21.30	ACC开,3D: ^
3	2016-12-12 09...	0	346989...	0.800	7.60	6.10	-999.00	22.10	停车,2小时
4	2016-12-12 12...	0	346992...	3.600	5.10	5.10	-999.00	25.80	ACC开,3D: ^
5	2016-12-12 12...	36	346995...	6.600	4.70	5.00	4.80	25.80	ACC开,3D: ^
6	2016-12-12 12...	77	346998...	9.600	5.10	5.10	-999.00	25.10	ACC开,3D: ^

Traceability system function - quality status traceability

订单拣货状态

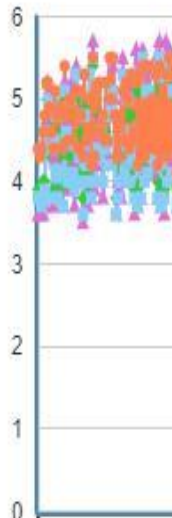
返回

物流单号	PK
SHS0CBHZHT	PK

在库温度



在途温度



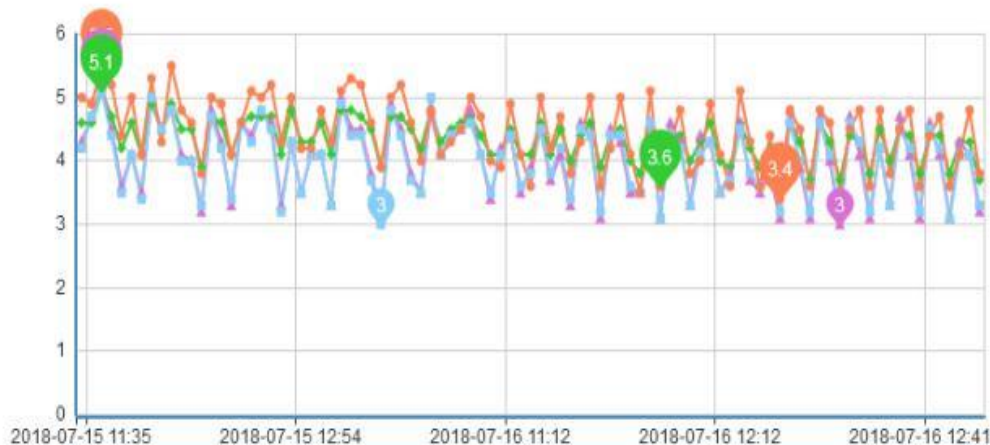
2018-02-04 00:13

订单温度


返回

在库温度	在途温度	温度计温度	温度计状态
--	在途温度	--	--

在途温度



System traceability function - physical traceability, visible on the way



国药集团医药物流有限公司-三方运作中心
TMS | SAVE | BQ | 退出登录

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公告管理
系统设置
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数据统计
消息预警
可视化

资源可视 ▲

运输资源可视

追溯码查询


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仓库资源可

温湿度

订单可

入库总

出库总

合规可

不合格

养护出

出库发

入库转

运输记

库存查


库存明

非效期

药品延

保质期

按单查


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订单可视 ▲

入库总表

出库总表

合规可视 ▲

不合格台帐

养护记录

出库复核记录

入库接收记录

追溯记录

库存查询 ▲

库存明细查询

按主库存管理

主题按库存管理


药品追溯 ▲

药品码

药品追溯详细

药品名称 药品码 批次 搜索 扫码

商品图




商品名称/通用名/规格 阿莫西林胶囊/阿莫灵/0.25g*24粒

本位码 86902503001044

生产日期 2016-10-12

有效期至 2019-10-11

药品码



生产厂家 迦美制药厂

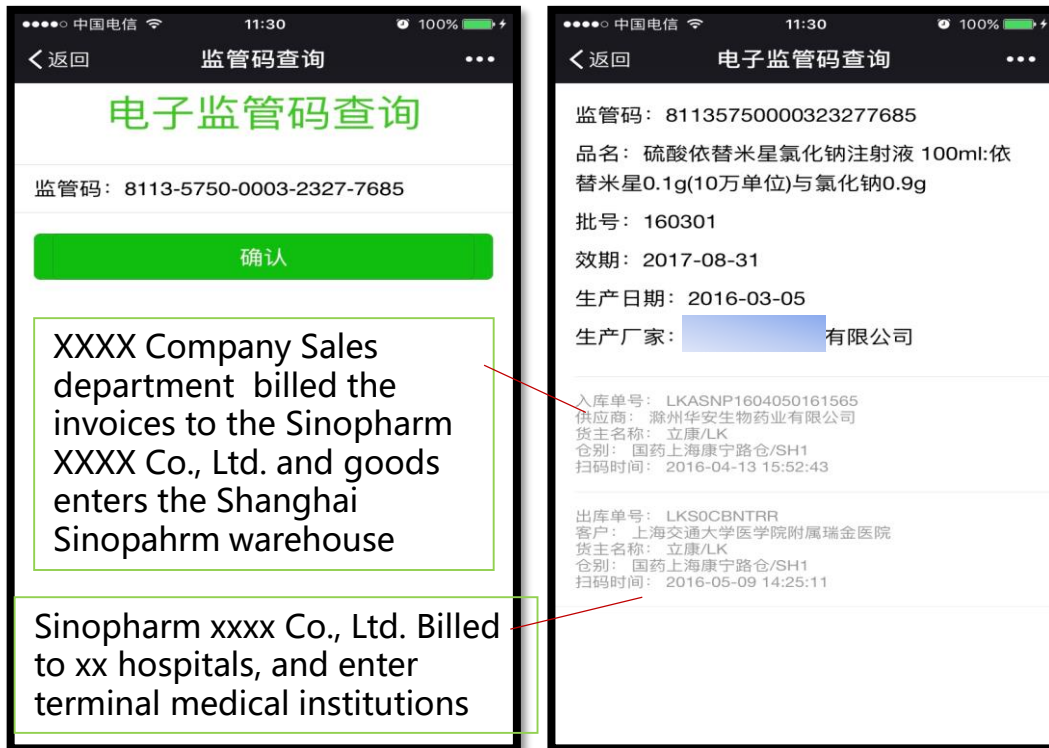
批号 1410523

追溯码 8829950

节点编码	节点说明	节点时间	发生者	发生时间	入库单号	出库单号
08	出库	2017-06-08 16: 01: 53	出库接口导入	2017-06-08 16: 01: 53		S1835679330
08	出库	2017-06-08 16: 01: 53	出库接口导入	2017-06-08 16: 01: 53		S1835679330
08	出库	2017-06-08 16: 01: 53	出库接口导入	2017-06-08 16: 01: 53		S1835679330
08	出库	2017-06-08 16: 01: 53	出库接口导入	2017-06-08 16: 01: 53		S1835679330

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Terminal client electronic monitoring code inquiry case:



电子监管码查询

监管码: 8113-5750-0003-2327-7685

确认

XXXX Company Sales department billed the invoices to the Sinopharm XXXX Co., Ltd. and goods enters the Shanghai Sinopharm warehouse

Sinopharm xxxx Co., Ltd. Billed to xx hospitals, and enter terminal medical institutions

电子监管码查询

监管码: 81135750000323277685

品名: 硫酸依替米星氯化钠注射液 100ml:依替米星0.1g(10万单位)与氯化钠0.9g

批号: 160301

效期: 2017-08-31

生产日期: 2016-03-05

生产厂家: [redacted] 有限公司

入库单号: LKASNP1604050161565
供应商: 滁州华安生物药业有限公司
货主名称: 立康/LK
仓别: 国药上海康宁路仓/SH1
扫码时间: 2016-04-13 15:52:43

出库单号: LKS0CBNTRR
客户: 上海交通大学医学院附属瑞金医院
货主名称: 立康/LK
仓别: 国药上海康宁路仓/SH1
扫码时间: 2016-05-09 14:25:11

Users can easily log in to the traceability platform to query product traceability information.

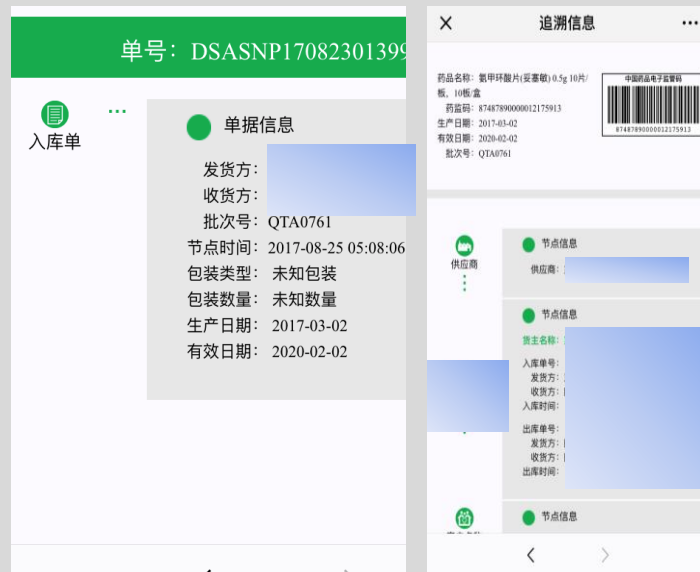
1.locate 【药追溯】 public group on wechat



2.choose 【输入查询】 【扫码追溯】 in 【服务】



3. Display traceability information about the product (flow direction, node, customer name, etc.)



Flexibility

Meet user access pressure
Meet users' data storage needs

Extensibility

The system is not affected by policy restrictions
The system is compatible with various regulatory codes.

Security

defend malicious attacks
Important data protection

Logistics traceability

Real logistics and traceability of warehousing and distribution processes, realized through monitoring of operations and transportation processes in warehouses

Quality traceability

Drug inspection report, maintenance record and traceability of product quality status, temperature control, cold chain product temperature tracking

Physical traceability

For the minimum sales and use units, carry out traceability of materials and materials to assist medical institutions in quality control and safety control

Location Traceability

According to the traceability of the order in the process of commercial circulation, and the traceability of the overall supply chain of the variety after the two-invoicessystem

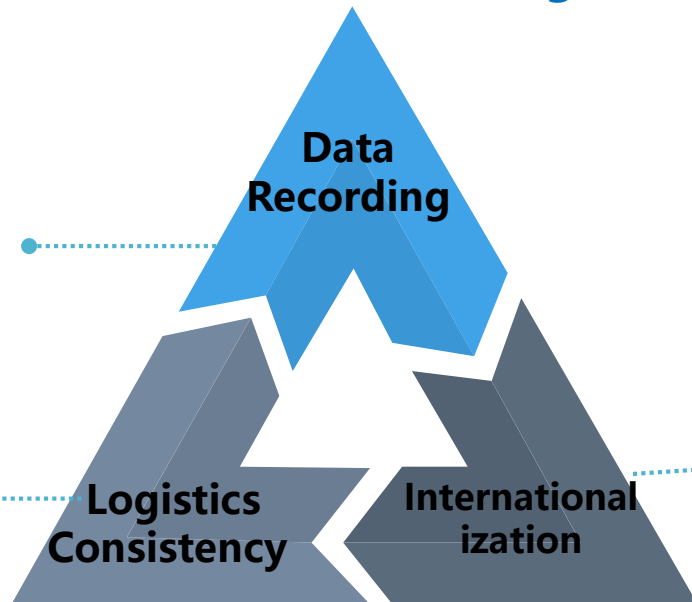
02

GS1 Coding System Helps Build Traceability System

3 Reasons for Choosing GS1

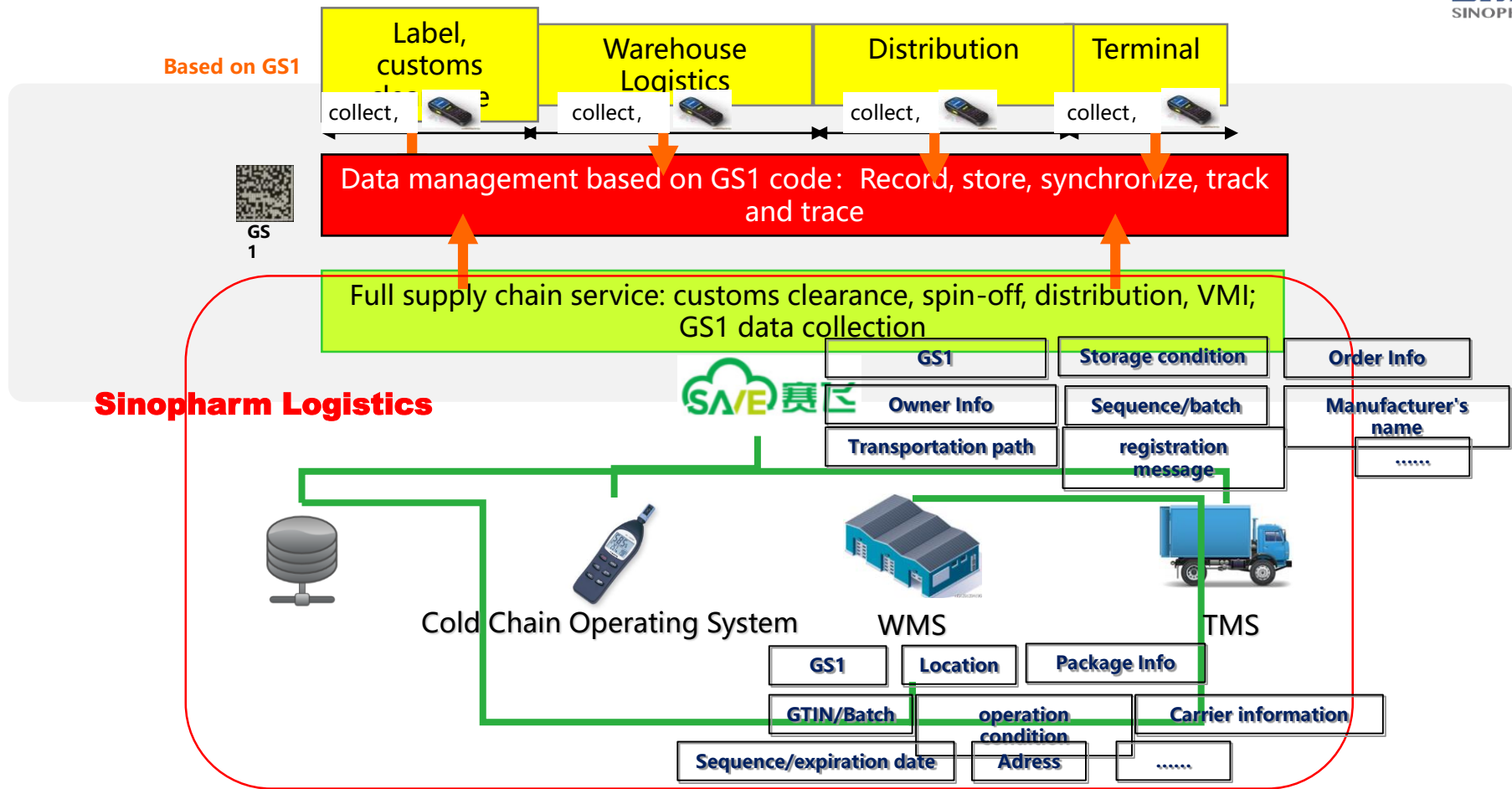
GS1 code has a large amount of information storage, can store all kinds of attribute information of goods,

GS1 provides unique product identification methods to avoid data duplication and realize the logistics' consistency



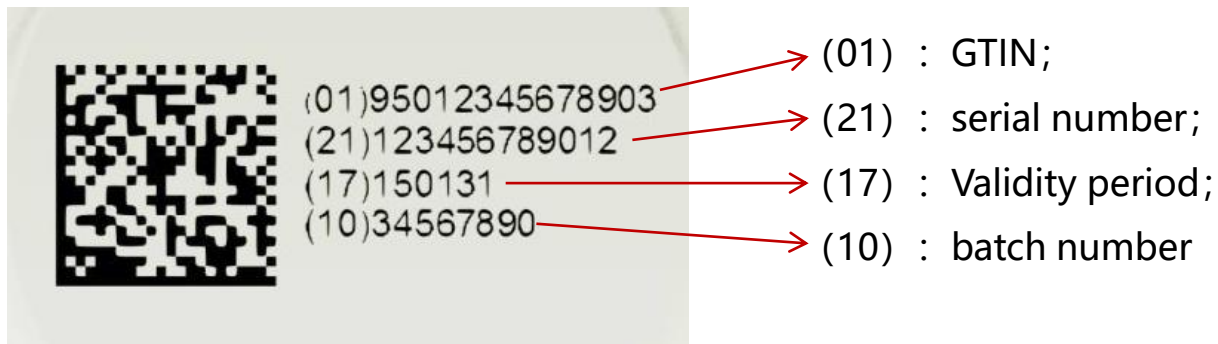
GS1 is an international standard and is widely used in the global pharmaceutical industry

Achieve full tracking and traceability of Pharmaceutical based on GS1



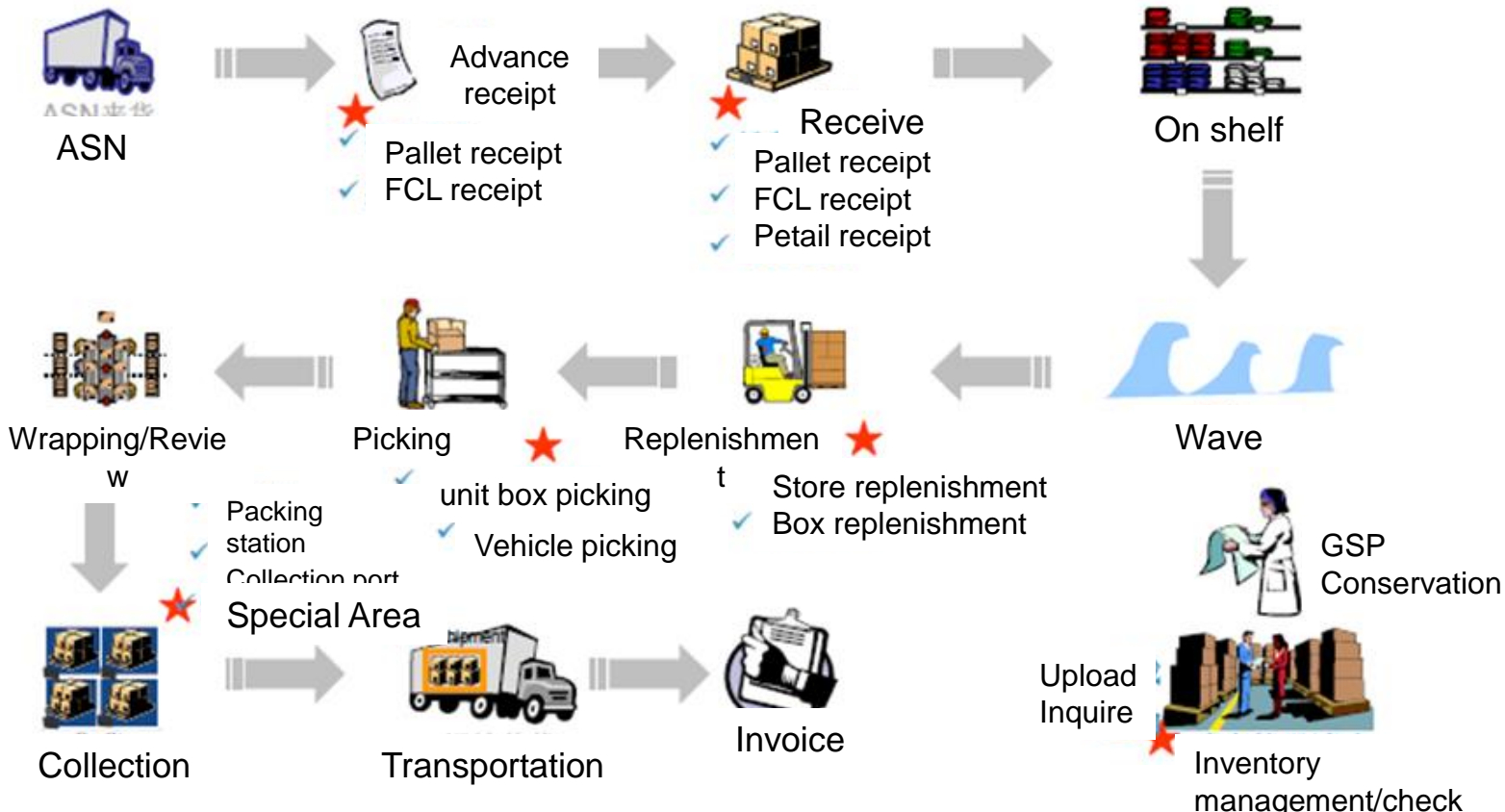
Advantages of GS1 in pharmaceutical traceability

- GS1 is an international standard and is widely used in the global pharmaceutical industry to achieve a unified upstream and downstream traceability;
- Improve efficiency. GS1 code has a large amount of information, can store all kinds of attribute information of goods, and greatly improve the operation efficiency of enterprises through automatic data collection and electronic data processing.
- Provide unique product identification methods to avoid data duplication
- Meet the basic procurement requirements of major retailers and buyers in the world



Application scenarios for GS1 traceability in circulation

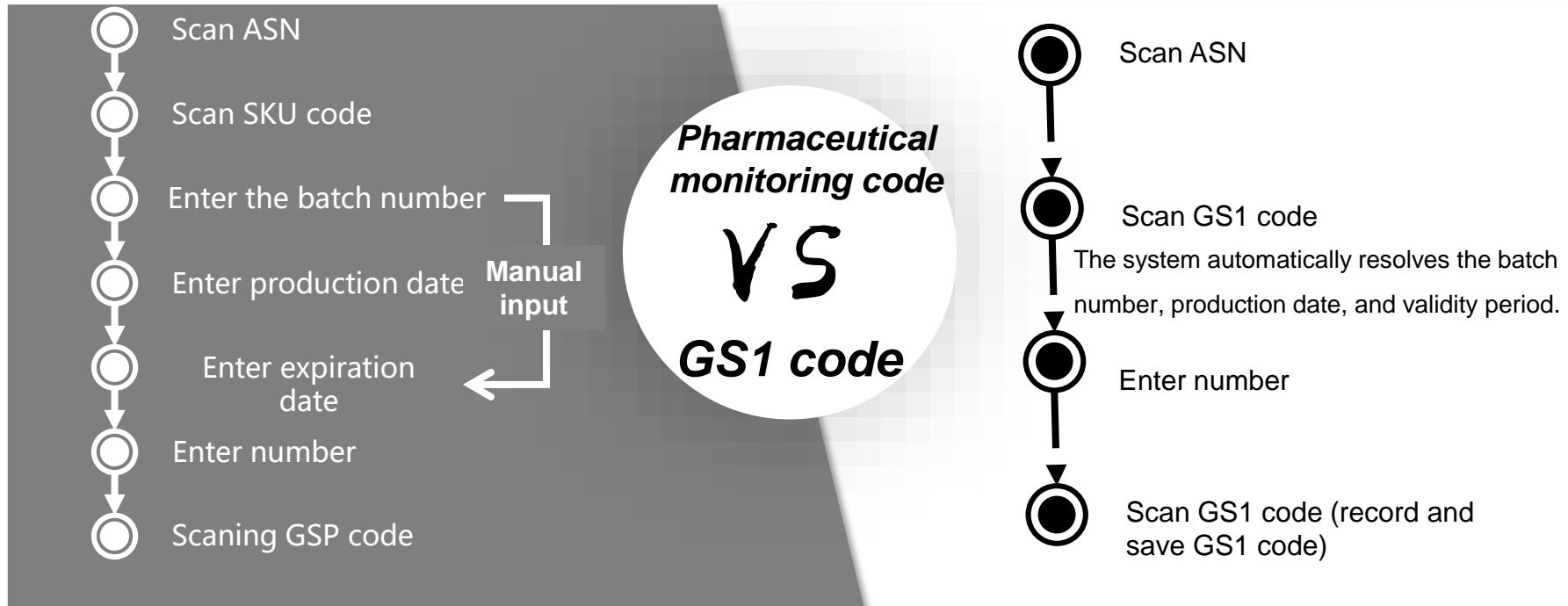
Scan the GS1 code at each collection point, obtain relevant information and upload the traceability platform (hereinafter ★ marked as information collection point)



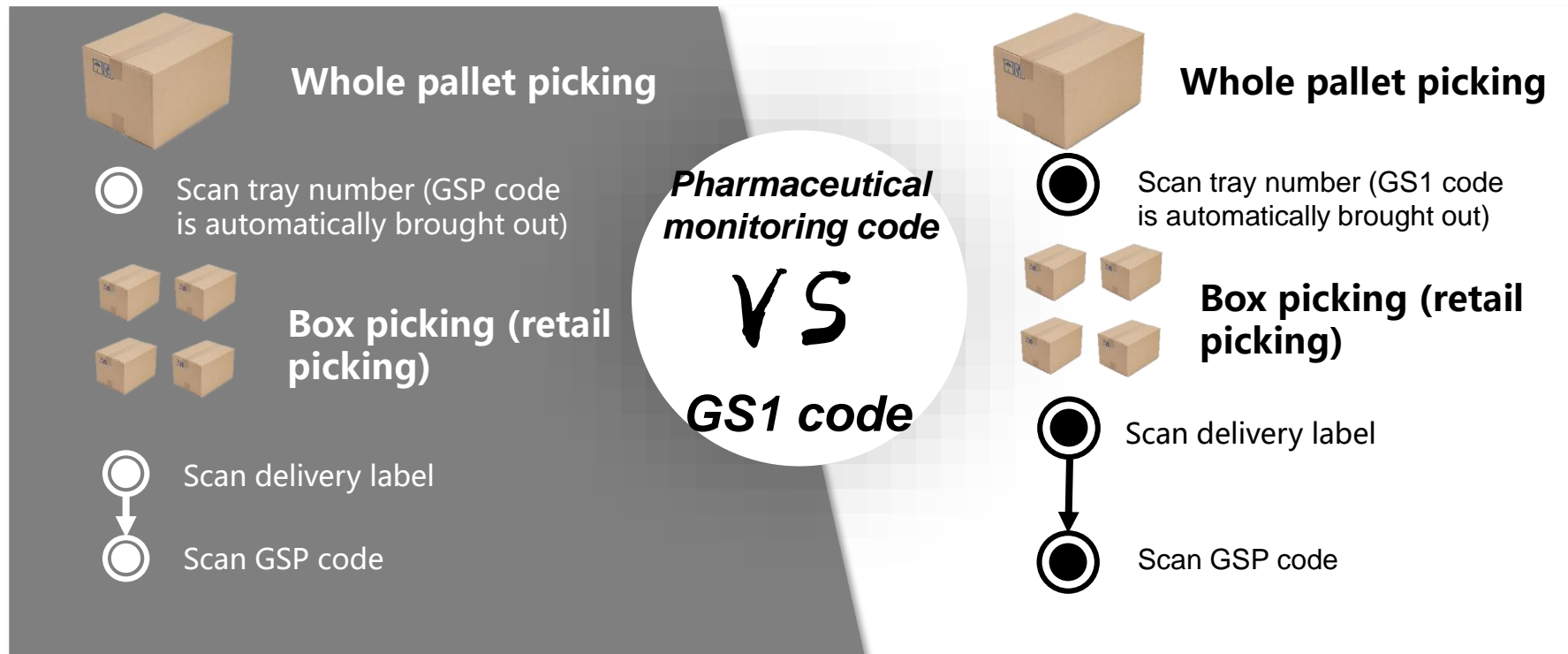
GS1 Receiving Mode

Change the current receiving process, add GS1 receiving mode by scanning the GS1 code.

The product code, batch number, production date, expiration date and other information will automatically input through the 2D code to simplify the receiving action and greatly reduce the manual entry error. The job changes are as follows:



The GS1 delivery mode is similar to the pharmaceutical monitoring code delivery mode, but the field workers do not need to manually review the validity period, batch number and other information, making automated operations possible.



On-site GS1 code acquisition operation

On-site
GS1 code
acquisition
operation



GS1 code
system
analysis

预期出货通知查询

标准 数据 Page Size:

页: 1 的 1 [记录选择于 2018-10-12 09:44] Order by: 商品代码

ASN	状态	货箱已出货	货箱已收货	合同号	扫描数量	asn_dtl_uni.* shp*	已收数量	批号	采购人	供应商	商品代码 -	商品名称
<input type="radio"/> WSASNP1810110136005	收货中	0	3		90	49	41 *		WSO	公司	WS5933059	注射用 二钠 0.5g
<input type="radio"/> WSASNP1810110136005	收货中	0	3		90	1	41 150025		WSO	公司	WS5933059	注射用 二钠 0.5g
<input type="radio"/> WSASNP1810110136005	收货中	0	3		90	40	41 C725719C		WSO	公司	WS5933059	注射用 二钠 0.5g

首页 GSP药监码管理 x

药监码维护 药监码文件生成

单据类型: 入库ASN 单号: WSASNP1810110136005 查询(Q) 药监码过滤: 货箱号过滤: 导出到Excel(C) 导出到TXT(T)

药监码明细

药监码	药监码状态	处理状态	处理结果描述	货箱号	货箱状态	出入标识	单位	ASN号	供应商ID	PKT号	客户	商品ID
1 0100300020000401212737574441851720022910C725719B	0	0		CA101201	10	I	K	WSASNP1810110136005	WS3023132			414609792
2 0100300020000401212737574441851720022910C725719C	0	0		CA101123	10	I	U	WSASNP1810110136005	WS3023132			414609792
3 0100300020000401212737574441851720022910C725719A	0	0		CA101203	10	I	U	WSASNP1810110136005	WS3023132			414609792

The example of GS1 code application process

SuZhou Warehouse

Warehouse in RIBAN Road, Shanghai

XX Company enters the customs and deposits it into the warehouse in RIBAN Road, Shanghai

Selling to XXX Company, transfer the goods from Warehouse in RIBAN Road to the Sinopharm Suzhou warehouse

Transfer the goods from XXX Company to the Sinopharm Suzhou warehouse

Sold to Sinopharm Holding Distribution Center Co., Ltd., Suzhou warehouse is sent to Warehouse in KANGNING Road

Receive scanning

Order group number	8035100705
Date	2017-05-05
Location	Warehouse in RIBAN Road
Number	13016 boxes
lot number	C715875C
Status	qualified
Arrival supplier	XX Company

Delivery scanning

Order group number	L32017060807
Date	2017-06-08
Location	Warehouse in RIBAN Road
Number	12966 boxes
lot number	C715875C
Status	Qualified
Deliver client	XXX Company



Receive scanning

Order group number	5017349460
Date	2017-06-12
Location	Sinopharm SuZhou Warehouse
Number	12966 boxes
lot number	C715875C
Status	Qualified
Arrival supplier	XX Company

Delivery scanning

Order group number	5018795960
Date	2018-04-18
Location	Sinopharm SuZhou Warehouse
Number	100 boxes
lot number	C715875C
Status	Qualified
Deliver client	Sinopharm Holding Distribution Center Co., Ltd.

Delivery scanning

Order group number	431679*84176
Date	2018-04-20
Location	No.2 Warehouse in KANGNING Road
Number	5 boxes
lot number	C715875C
Status	Qualified
Deliver client	Shanghai Jiahui International Hospital
Deliver waybill	WSF0CBUHYS-1
Departure time	2018-04-20 07:00:00
Submission time	2018-04-23 10:51:00
Delivery car's license	沪BKH913

Receive scanning

Order group number	182721*4*1
Date	2018-04-19
Location	No.2 Warehouse in KANGNING Road, Shanghai
Number	100 boxes
lot number	C715875C
Status	Qualified
Arrival supplier	XXX Company



Shanghai Jiahui International Hospital received goods



Shanghai Jiahui International Hospital

Sinopharm Holding Distribution Center Co., Ltd delivered the goods to No.2 Warehouse in KANGNING Road, and sold to Shanghai Jiahui International Hospital



No.2 Warehouse in KANGNING Road

S.A.V.E+GS1= ?

Quality traceability



Prevent bugsell



Prevent fakes



Sales Tracking



Packaging relationship



Disease big data analysis



Insurance monitoring





1. China has been able to read and identify drugs with GS1 code.



3. The multinational pharmaceutical companies should actively apply GS1 code.



2. China has begun the test and the promotion of GS1 coded products in hospital system and pharmacy system .



4. Several associations in China have been jointly promoting the application of GS1 in China.



E-
mail

guyimin@sinopharm.com



Wechat

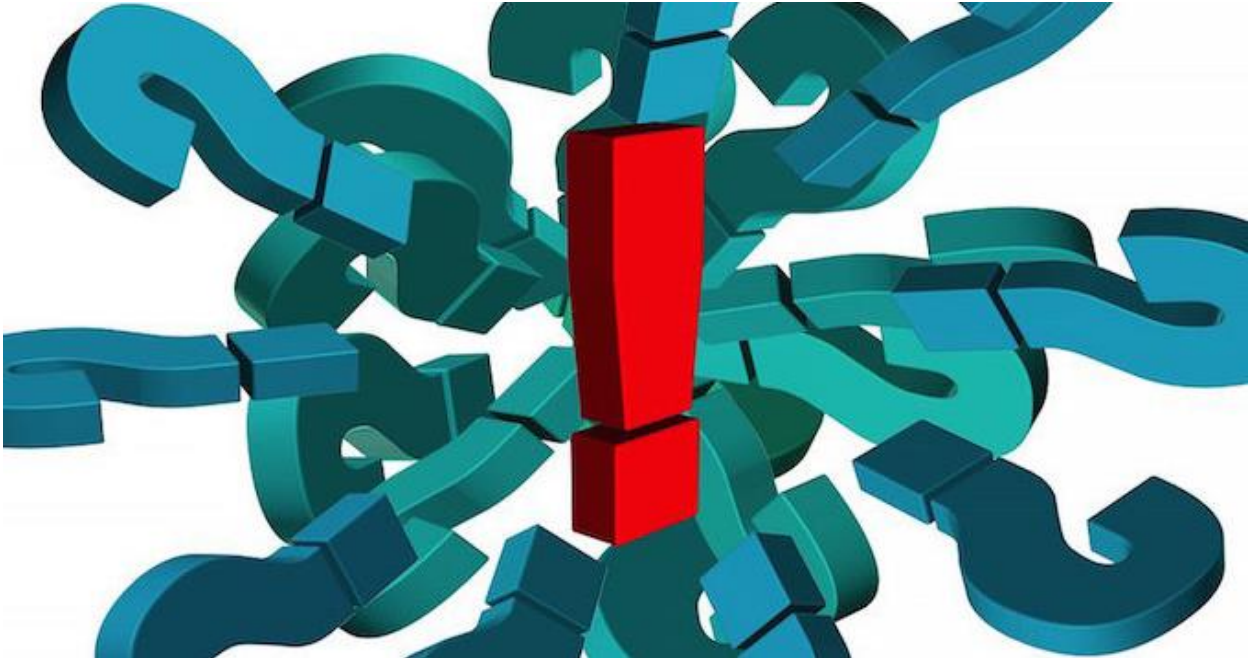
w776717029

Thank you
for
watching

Thanks



Questions from the audience



Some messages to take away

- This session has highlighted the value of global standards across countries as well as business functions - wholesalers, distributors and logistics providers – and healthcare product categories
- The implementations are innovative and varied – we have much we can learn from the experiences of today’s panellists!
- These entities in the ‘middle’ of the supply chain want to partner with their suppliers, customers and trading partners to help drive implementation of global standards – join us to make a difference!



Make the most of the conference!

Hear, discuss and enjoy...

