IMPLEMENTATION OF MEDICATION TRACEABILITY AND SINGLE-DOSE PACKAGING WITH GS1 DATAMATRIX

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Agenda

• Traceability to Argentinian National Administration of Drugs, Food and Medical Devices (ANMAT)
• Single-dose packaging and traceability using GS1 datamatrix
• What is next!
Argentina, Buenos Aires Capital city. Opened in 1926. Over 25,000 square meters of constructed area distributed in 7 floors, 210 beds, 9 operating rooms and 3 obstetrics rooms, 17000 inpatient/year.
Traceability to Argentinian National Administration of Drugs, Food and Medical Devices (ANMAT)

• Mandatory along all healthcare supply chain
• GS1 datamatrix: standardization information (GTIN – Serial number)
• On-line response
• Healthcare insurance company can follow up the dispensing process
• Drugs traced/month: 2200
• Medical Devices traced/month: 250
LESSONS LEARNED IN TRACEABILITY

WHAT TO DO

• PROGRESSIVE IMPLEMENTATION

• PROVIDE RESOURCES

• TRAIN THE STAFF

HOW TO DO IT

• START WITH FEW DRUGS, HIGH IMPACT, LOW VOLUME

• INFRASTRUCTURE – ADD PERSONAL AND TECHNOLOGY

• MAKE THE WORK EASIER FOR THE STAFF

• ENGAGED STAFF IN THE IMPORTANCE OF TRACEABILITY

IMPROVE PATIENT SAFETY BY AVOIDING FALSIFIED DRUGS AND MEDICAL DEVICES!
SINGLE-DOSE PACKAGING AND TRACEABILITY USING GS1 DATAMATRIX

EQUIPMENT

- 2600 PACKAGING UNITS / HOUR
- TABLETS, PILLS
- VIALS < 20ML IS AUTOMATIC
- VIALS > 20ML REQUIERES MANUAL WORK
- US$ 5000 / MONTHS IN SUPPLIES

ADD GS1 DATAMATRIX TO PACKAGE!
UNIT-DOSE PACKAGING

**TABLETS**
- TOTAL PRODUCTS: 100%
- SKU: 449
- PACKAGING UNITS: 30,000 units/month

**VIALS**
- TOTAL PRODUCTS: 90%
- SKU: 280
- PACKAGING UNITS: 55,000 units/month

**TOTAL TIME**
- 6-8hs a day
UNIT-DOSE WITH GS1 DATAMATRIX

MAKE IT RIGHT!

- SIZE
- INFORMATION
- POSITION
- WARNINGS

ASK YOUR TEAM WHAT THEY NEED!
SINGLE-DOSE PACKAGING WITH GS1 DATAMATRIX

INFORMATION IN THE DATAMATRIX

- GTIN
- BATCH
- EXPIRATION DATE
- SERIAL NUMBER (optional)

ADVANTAGES

- BETTER STOCK CONTROL
- AVOID DISPENSING ERRORS
- IDENTIFY RECALL PRODUCTS
- AVOID USING EXPIRED DRUGS

MAKE THE WORK EASIER, MORE EFFICIENT AND SAFER FOR THE PATIENT.
UNIT-DOSE GS1 DATAMATRIX

Histogram of dispensed products

Seconds

Dispensed Products

Old Process
New Process

SCANNING TRANSFORMS THE WAY WE WORK!
WHAT IS NEXT!

- Work with local medical devices supplier
- Add GS1 datamatrix to nutrition bags and chemo bags
- Bedside scanning
WE SCAN!!!
THANK YOU!