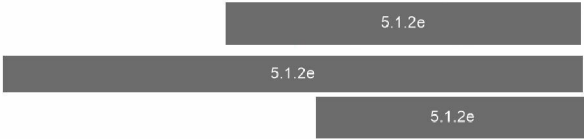




COVID-19 vaccination registry in Spain



MoH Spain.



Responsibilities regarding immunisation

Population Spain ≈47,026,000

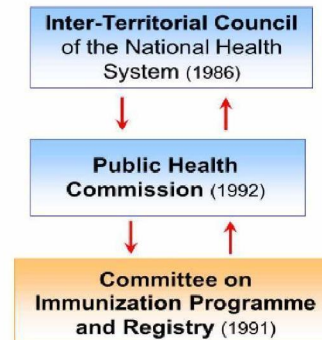
Regions (since 1979-1985)

- Establishment and management of the immunisation programmes
- Procurement, distribution and administration of vaccines



Interterritorial Council NHS (since 1986)

- Conditions and minimum requirements aiming to maintain the confluence, harmonization, coordination and cohesion between all the regional initiatives and immunisation recommendations



ICNHS → Recommendations for Spain

IIS in Spain

Study in 2015, updated 2020

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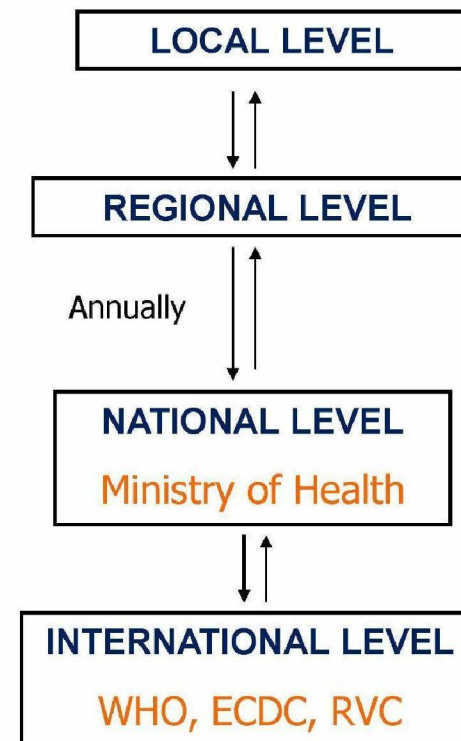
GENERAL CHARACTERISTICS

- **19 IIS/IR:**
 - Person unique identifier
 - Record life-course vaccination data
 - Record vaccination data of immigration
 - Vaccine characteristics
 - Date of administration

HETEROGENEITY

Immunisation coverage. Algorithm for reporting

- ❑ **Annual coverage notification** since 1992 (IC agreement)
 - Common coverage indicators
 - Updated in 2017
- ❑ **Data collection and analysis**



Why a COVID-19 registry?

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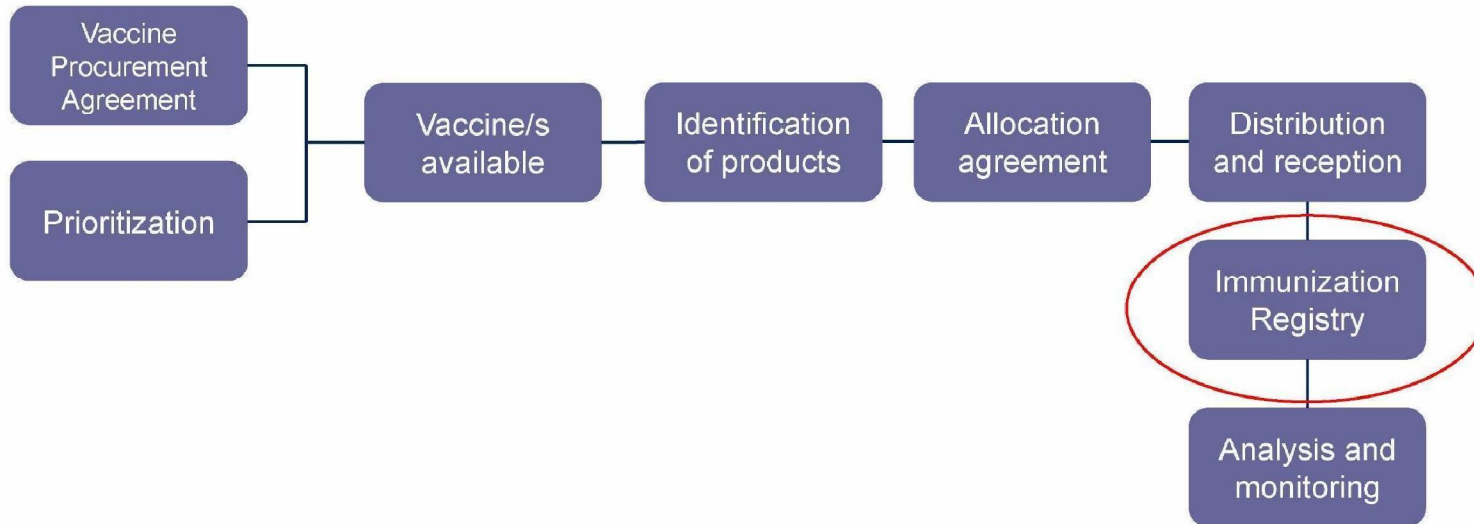
- European Commission – Advance Purchase Agreements
- **MoH:**
 - Procurement of COVID-19 vaccines
 - NITAG prioritization → agreed allocation to Regions
- **Development of a COVID-19 registry of the NHS:**
 - Real time monitoring: distribution and administration
 - Opportunity to drive improvement of regional IIS/registries
 - Automated analysis and information (MoH and regions)

COVID-19 vaccination registry

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- WG functionals - IT (MoH and Regions/Cities)
- **Objective:**
 - ▣ To develop a COVID-19 registry of the NHS, built on best practices from the Regions and previous joint experiences
- **Characteristics:**
 - Agile response to all those who are part of the NHS
 - Rapid development, expected by end November 2020
 - Adaptive capacity to be able to incorporate future changes
 - Technical, syntactic and semantic interoperability
 - Compliance with an agreed Clinical Information Model

COVID-19 vaccination Information System flow



COVID-19 vaccination registry

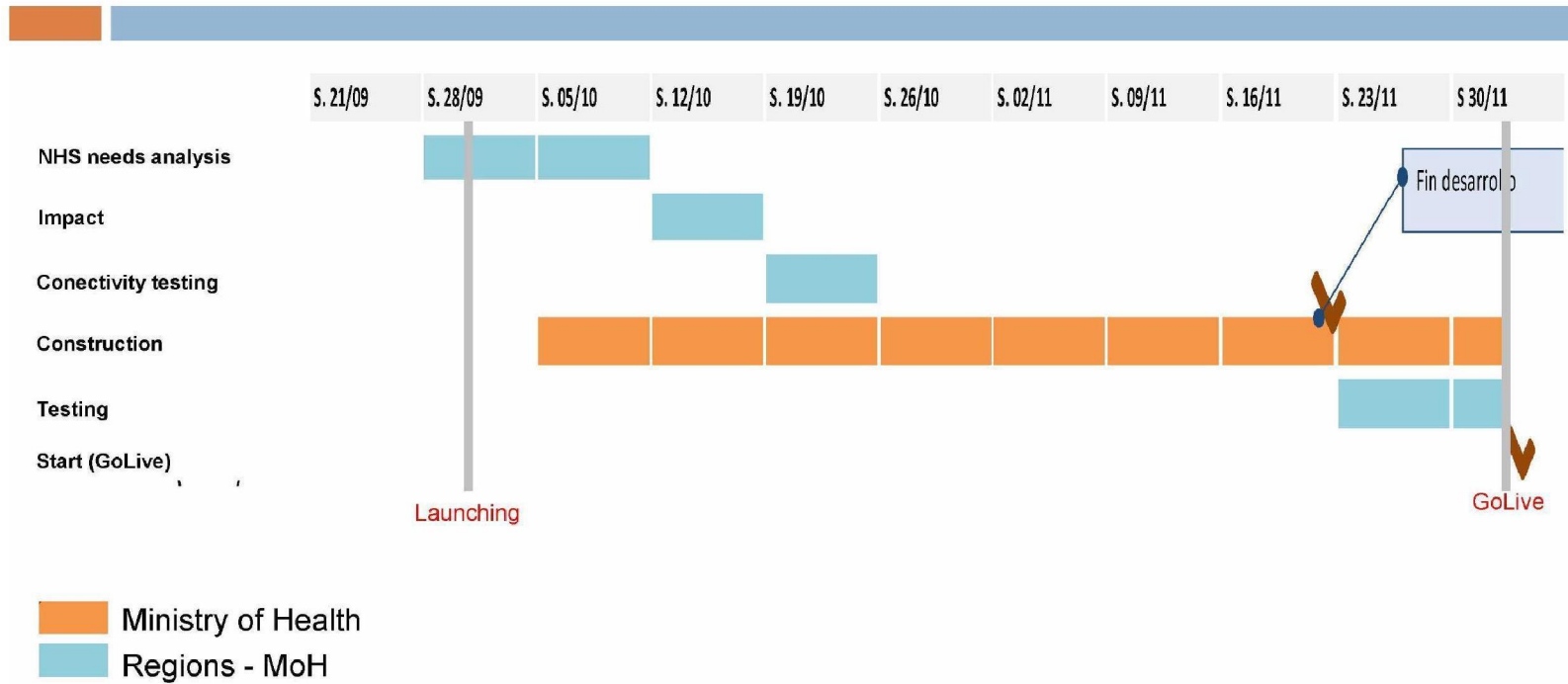


Data on COVID-19 vaccination can be uploaded daily from regional registries in Excel or CSV formats

The .xlsx or .csv files will be uploaded daily through **SQL Service Integration Services** in a central repository of the informational module. This information will be **pseudonymize** in the repository itself

The Central repository can be updated daily with the exploitation model defined in **Power BI**. Reports in special formats pdf, ppt can be generated in **SQL Server Reporting Server**

COVID-19 vaccination registry – Project timeline



COVID-19 vaccination registry

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□ Variables:

- Unique identifier – pseudonymized at MoH level
- Date of birth
- Geographical area of residence
- Vaccine given, date of administration, and provider
- Reason for vaccination

□ Functions:

- Vaccination uptake monitoring
- Coverage by population characteristics and region
- Information of refusal of vaccination
- Source data for research

COVID-19 vaccination registry

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- Next steps
 - ▣ Exploitation module
 - ▣ Distribution module



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- Colleagues at Area of Immunisation Programme
- IT department (MoH) and regional IT people
- Members of NITAG's WG- IIS
- Members of the Spain's NITAG

Thank you!