

# **National Immunization Registry**

Chilean Ministry of Health (MINSAL)

# National Immunization Registry

## Definition

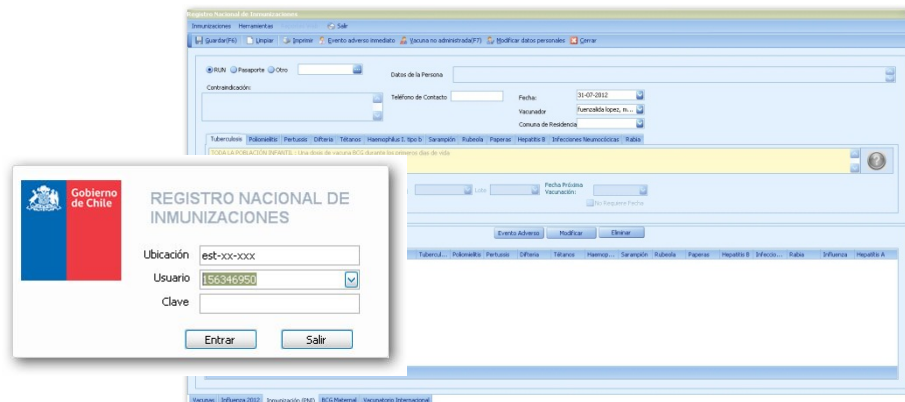
- An information system registry for vaccines delivered by the National Immunization Program (NIR). It allows registration of routine and vaccination campaign doses, both in the public and private establishments, under the umbrella of the Ministry of Health (MOH) at the national level.



# National Immunization Registry

## Introduction

- The National Immunization Registry was designed and implemented as a computer information system, which allows for the registration of all vaccines and tracking each product and person vaccinated, whether universally, or in specific target groups, age groups, seasonal or sporadic vaccination.



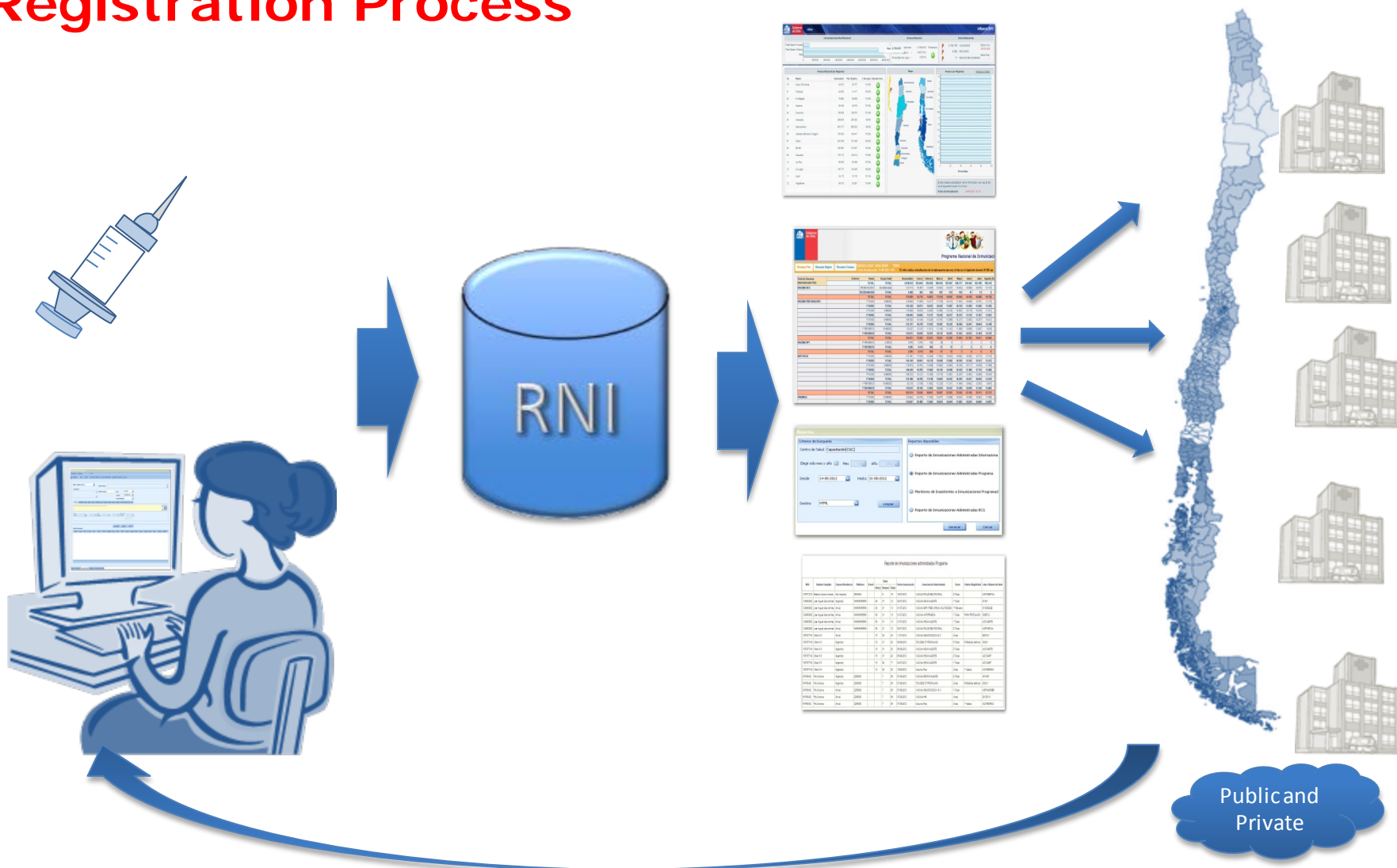
# National Immunization Registry

## History

- It started in 2010 with the national registry for the influenza vaccination campaign. Preparation work consisted of video conferences, delivery of material and the preparation of statistical network and program responsibilities, for its implementation in both public and private establishments.
- The joint work at the central and regional level, allowed the country in 2010 to have access to the registry of each individual vaccinated, thus providing valuable information for decision-making in prevention and health protection.

# National Immunization Registry

## Registration Process



# National Immunization Registry

## Important Information

The Registry (RNI) was launched on March 22<sup>nd</sup>, 2010

Team:

- National Immunization Program at the MOH (PNI)
- Statistics and Health Information Department at the MOH (DEIS)
- Information and Communication Technology Department at the MOH (TIC)

To date:

- 9 intervention campaigns have been included
- 6,866,031 registered people in the RNI system
- 1,904 establishments (public and private) in the RNI system

## National Immunization Registry

### **Important Information**

- The compliance with using the system was progressive and rapid, allowing viewing information online.
- The RNI allows tracking the registered data, such timely follow-up completed vaccination schedules for each person entered into the system.

# National Immunization Registry

## Challenges

- Sub-national connectivity [in the regions]
- User rejection
- Coordinating the regions
- Complexity in the registration of certain vaccines (BCG, yellow fever).



# National Immunization Registry

## Modules

Year	Modules
2010	<ul style="list-style-type: none"><li>–National registration of the Influenza AH1N1 campaign</li><li>–Hepatitis A (for one region of the country)</li><li>–Measles-Rubella (Third follow-up campaign)</li></ul>
2011	<ul style="list-style-type: none"><li>–Registration of routine vaccines</li><li>–BCG vaccine module</li><li>–Campaigns<ul style="list-style-type: none"><li>• Influenza 2011</li><li>• Measles-Mumps-Rubella (MMR) for health workers and personnel working at international borders</li><li>• Traveler MMR (WHO recommendation)</li><li>• Whooping Cough, cocoon strategy (whooping cough outbreak in Bío Bío region)</li></ul></li></ul>

# National Immunization Registry

## Modules

Year	Modules
2012	<ul style="list-style-type: none"><li>- “Whooping Cough Strategy” Campaign that includes more regions of the country</li><li>- Influenza Campaign 2012</li><li>- Registration of routine vaccines (BCG, Pentavalent, Conjugate Pneumococcal, etc.)</li></ul>

# National Immunization Registry Records

## Total number of routine vaccines in the NIR, 2011-2012<sup>1</sup>

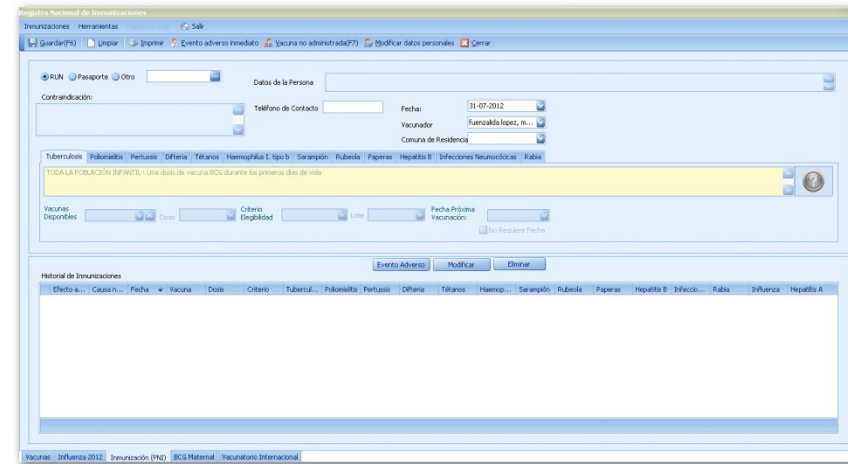
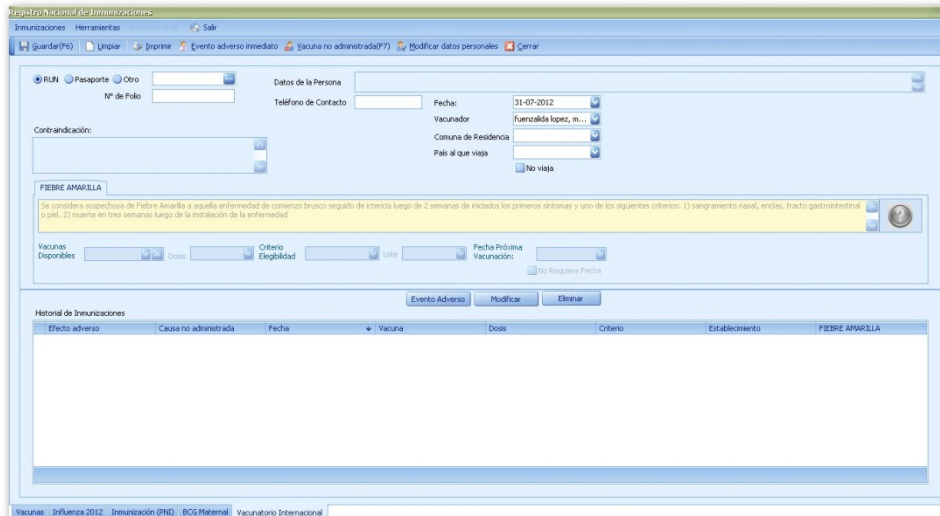
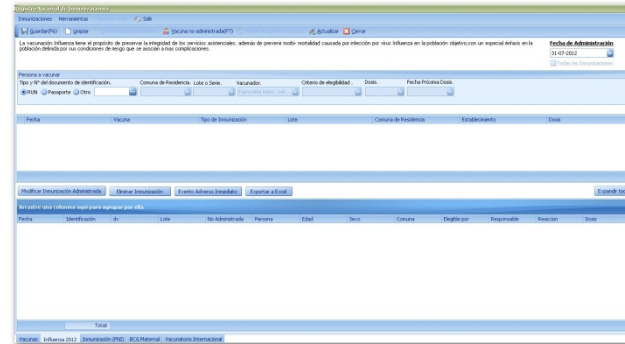
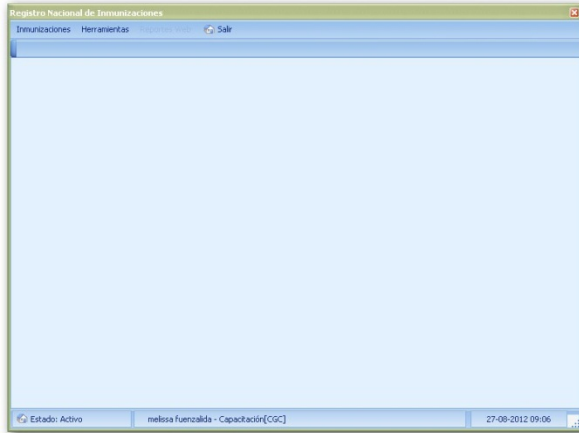
Region	Routine Vaccines		
	Total	2011	2012
<b>Country Total</b>	<b>3.203.562</b>	<b>1.310.171</b>	<b>1.893.391</b>
Arica and Parinacota	26.221	5.144	21.077
Tarapacá	59.712	26.510	33.202
Antofagasta	104.838	41.586	63.252
Atacama	63.497	27.010	36.487
Coquimbo	146.853	65.334	81.519
Valparaíso	280.580	100.505	180.075
Metropolitana de Santiago	1.344.447	558.557	785.890
Libertador Bernardo O` Higgins	157.620	62.071	95.549
Maule	173.981	70.740	103.241
Bío-Bío	347.546	130.071	217.475
Araucanía	188.248	78.695	109.553
Los Ríos	82.287	38.353	43.934
Los Lagos	174.240	80.621	93.619
Aisén Del General Carlos Ibáñez Del Campo	25.445	13.044	12.401
Magallanes Y De La Antártica Chilena	28.199	11.930	16.269

Source : NIR, Saludteprotege

<sup>1</sup>: 1<sup>st</sup> semester (January-July) of each year

# National Immunization Registry

## Modules



# National Immunization Registry

## Modules

**Registro Nacional de Inmunizaciones**

Immunizaciones Herramientas Reportes Web Salir

Guardar(F6) Limpiar Imprimir Evento adverso inmediato Vacuna no administrada(F7) Modificar datos personales Cerrar

☒ RUN 
 ☐ Pasaporte 
 ☐ Otro 
 15.634.695-0

Datos de la Persona Nombre: Melissa Fuenzalida Lopez Edad: 28 años 5 meses 5 días Sexo: Mujer

Contraindicación: 
 Teléfono de Contacto 
 Fecha: 02-05-2012 
 Vacunador: fuenzalida lopez, m... 
 Comuna de Residencia

Tuberculosis 
 Poliomielitis 
 Pertussis 
 Difteria 
 Tétanos 
 Haemophilus I. tipo b 
 Sarampión 
 Rubeola 
 Paperas 
 Hepatitis B 
 Infecciones Neumocócicas 
 Rabia

TODA LA POBLACIÓN INFANTIL : Una dosis de vacuna BCG durante los primeros días de vida

Vacunas Disponibles 
 Dosis 
 Criterio Elegibilidad 
 Lote 
 Fecha Próxima Vacunación: 
 ☐ No Requiere Fecha

Evento Adverso 
 Modificar 
 Eliminar

Historial de Inmunizaciones

EF...	Ca...	...	Va...	Dosis	Cri...	Tu...	Po...	Pe...	Dif...	Té...	Ha...	Sa...	Ru...	Pa...	He...	In...	Ra...	In...	Hep...
		29-0...	Influ...	Única	Perso...														

Inmunización (PNI) 
 Vacunas 
 Influenza 2012 
 Estrategia Capullo 
 BCG Maternal

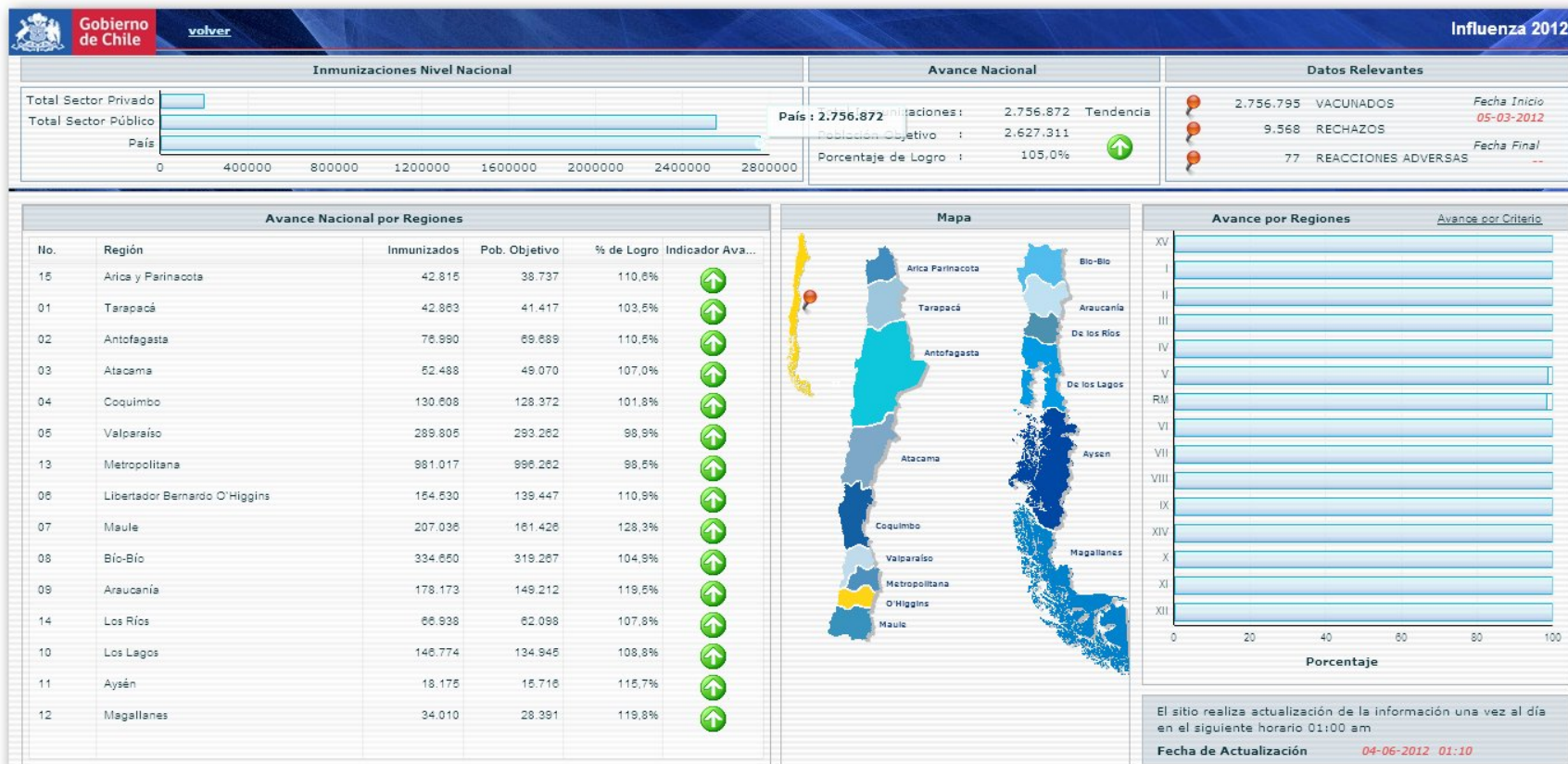
Estado: Activo 
 melissa fuenzalida - Capacitación[CGC] 
 02-05-2012 09:27

# National Immunization Registry Reports Sites

User-friendly tools that allow the handling of timely information, which, in turn, has allowed the empowerment of decision-makers at different levels

[illegible]

# National Immunization Registry Report



## National Immunization Registry

### **Achievements and uses for the National Immunization Program (NIP)**

- It allows generating individualized searches of the absentees/ defaulters that have their next vaccine due, since the system generates these reports.
- It allows a more coordinated effort with epidemiology in reviewing case data for vaccine-preventable disease surveillance.
- It allows the digital record keeping of each individual case history
- It allows for real-time data in places with connectivity
- It allows for instant reviews of campaign coverage
- It allows for report extraction in Word format, very useful for the management at the central and regional level. (Health Service and Regional Secretary of Health (SEREMI))



## National Immunization Registry

### Conclusion

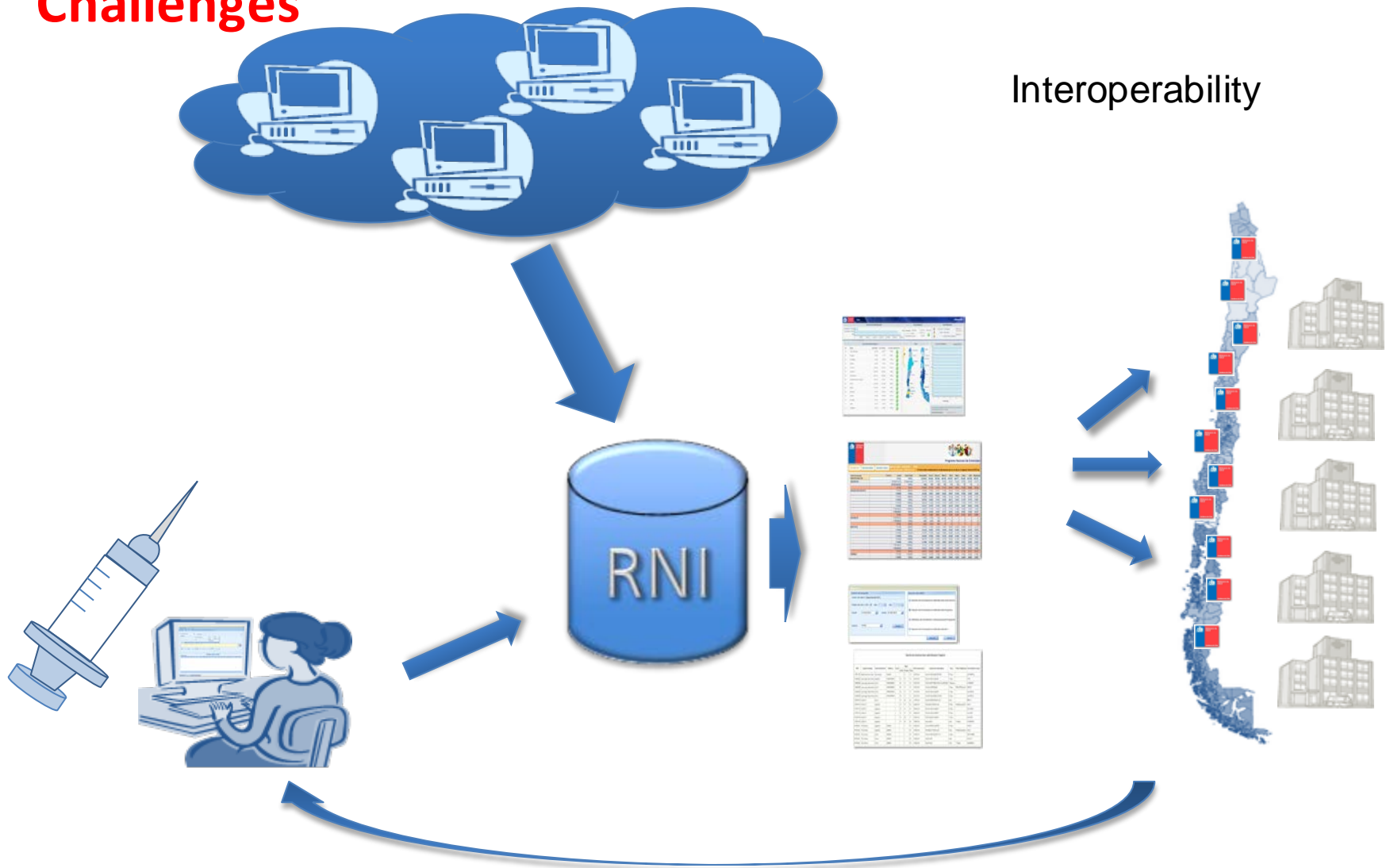
- The success of the project is based on the coordinated work of the technical, immunization program and statistics departments, as well as the simultaneous involvement of the public and private sectors in the RNI implementation.

# National Immunization Registry **Challenges**

Interoperabilidad

# Nominal Immunization Registry

## Challenges



Interoperability

# Thank you.



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