

Health information in the context of COVID-19 Italy



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Addressing data and health information needs in the context of COVID-19 in Italy

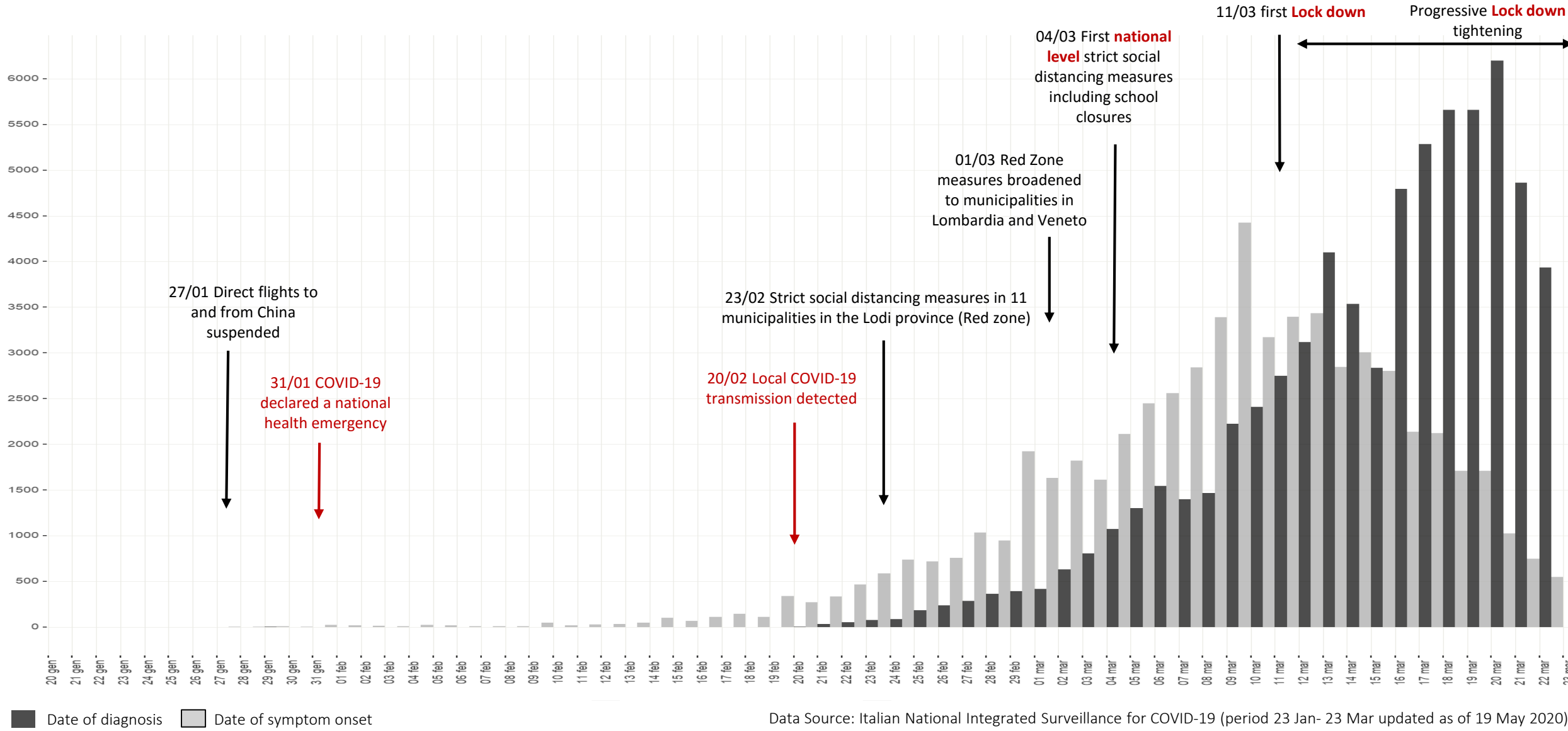
No known local COVID-19 circulation

Undetected local COVID-19 circulation

Known local COVID-19 circulation

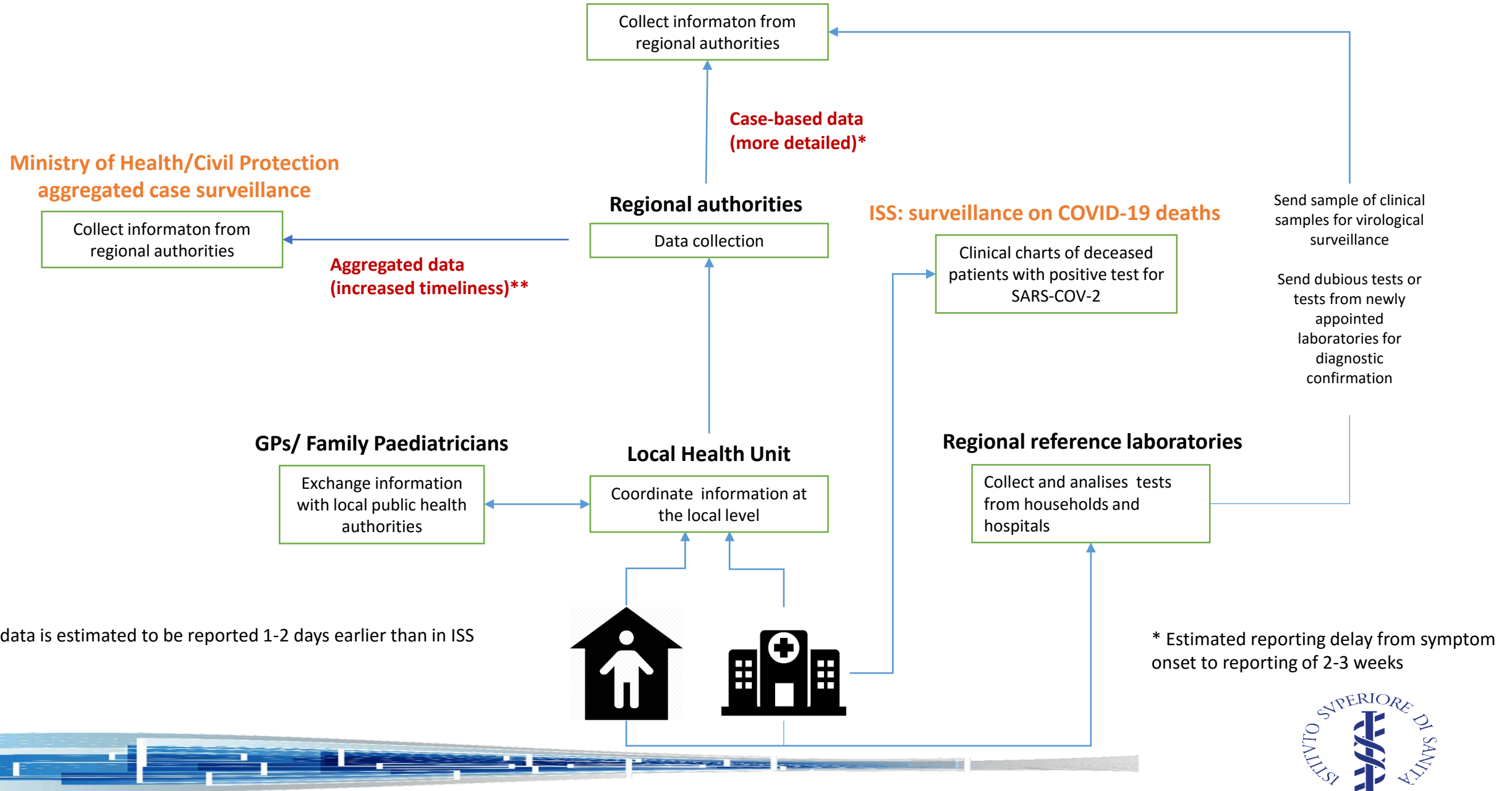
22/01 Surveillance of COVID-19 among severe cases of acute respiratory infection with epidemiological links
Laboratory network with confirmation capacity set up

27/02 Shift to case based enhanced surveillance of all SARS-CoV-2 laboratory confirmed cases

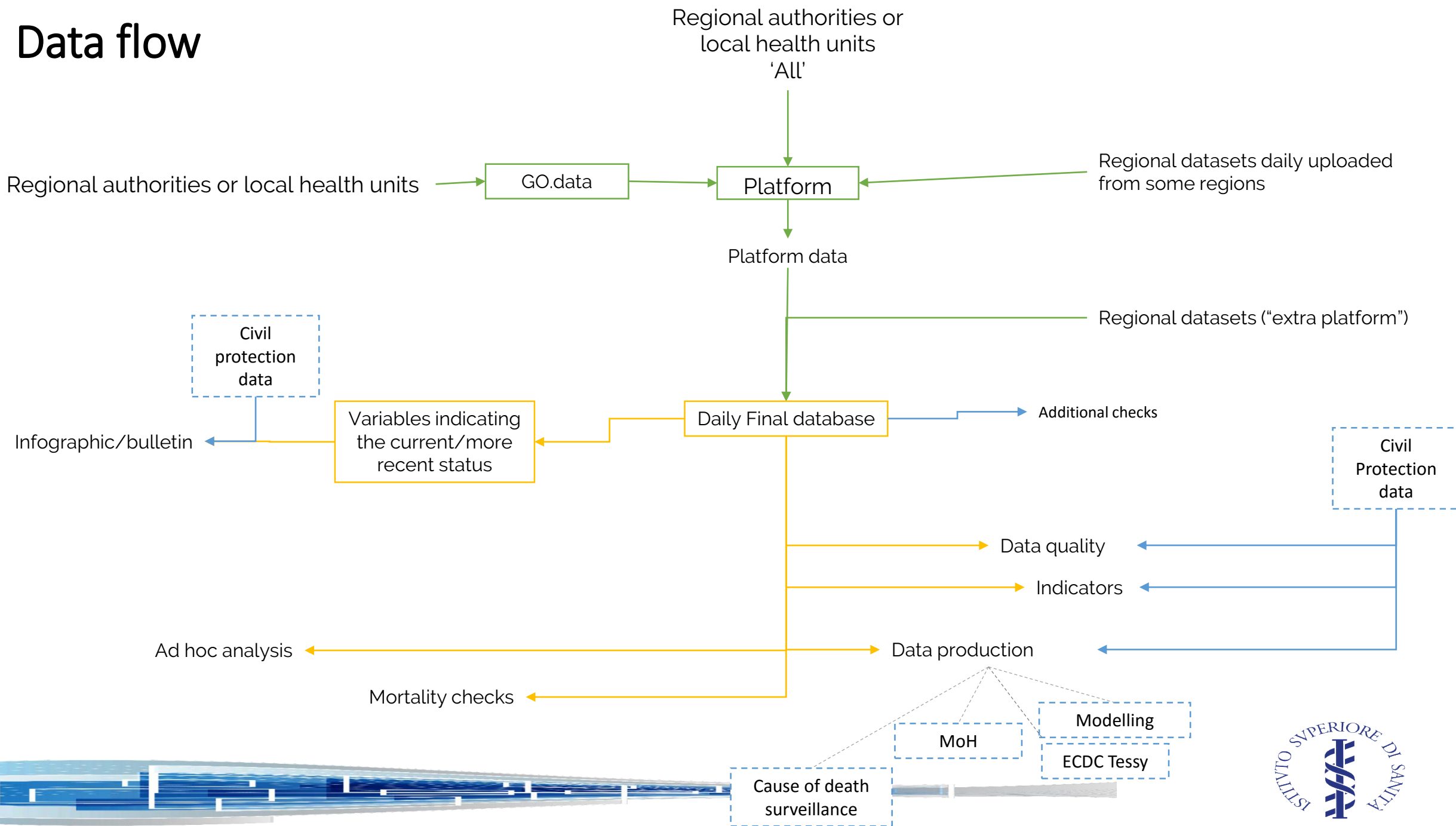


1. Surveillance

ISS: National Reference Laboratory and National Epidemiological Surveillance System



Data flow





Characteristics of SARS-CoV-2 patients dying in Italy
Report based on available data on May 14th, 2020

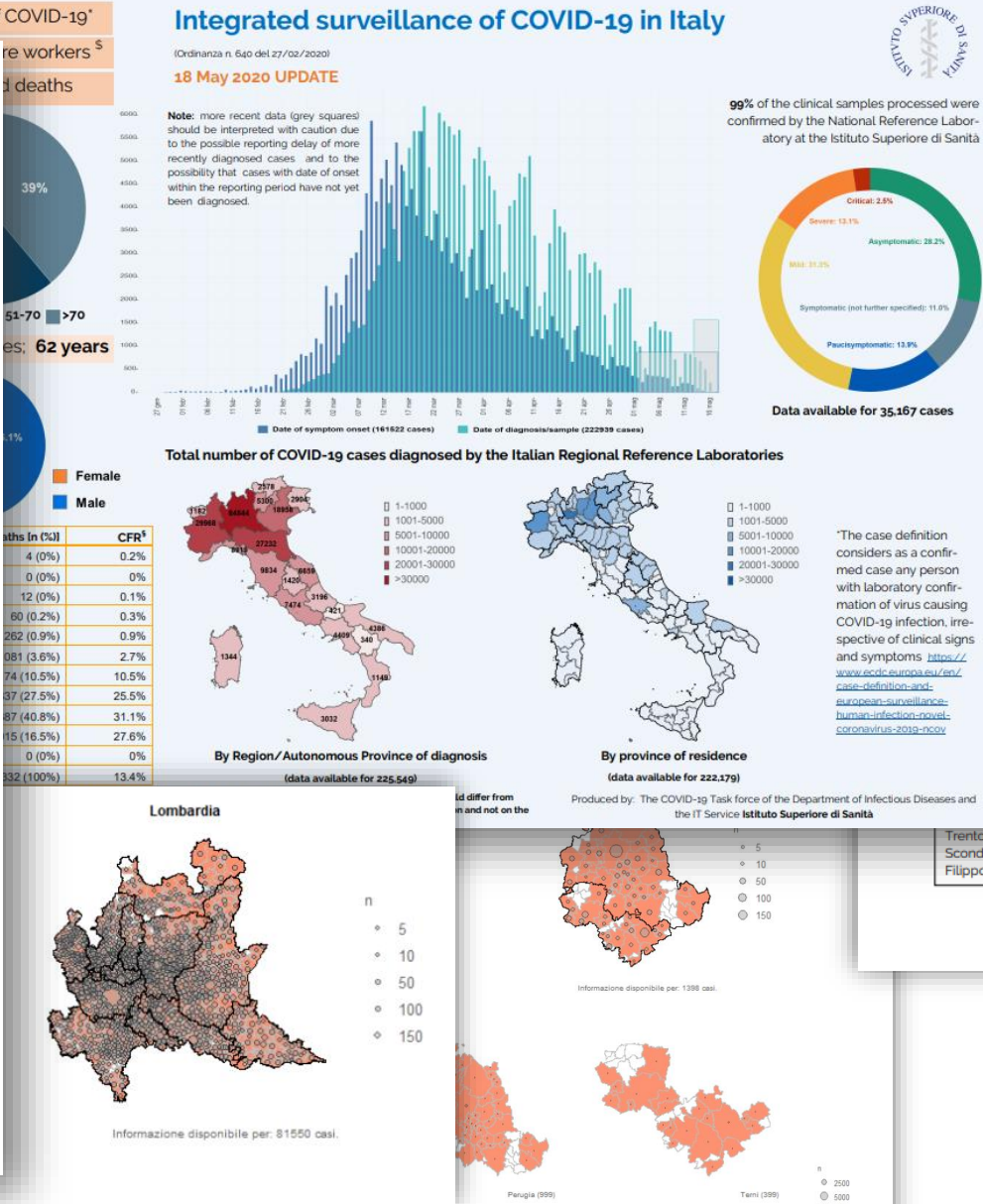
1. Sample

The present report describes characteristics of 29,692 SARS-CoV-2 patients dying in Italy.* Geographic distribution across the 19 regions and 2 autonomous provinces of Trento and Bozen is presented in the table below. Data are update to May 14th, 2020.

Tabel 1. Geographic distribution of deceased patients SARS-CoV-2 positive

REGION	N	%
Lombardia	15,185	51.1
Emilia Romagna	3,905	13.2
Piemonte	2,196	7.4
Veneto	1,746	5.9
Liguria	1,277	4.3
Toscana	928	3.1
Marche	905	3.0
Lazio	572	1.9
Puglia	461	1.6
Trento	449	1.5
Campania	366	1.2
Friuli Venezia Giulia	346	1.2
Abruzzo	323	1.1
Bolzano	291	1.0
Sicilia	266	0.9
Valle d'Aosta	143	0.5
Sardegna	127	0.4
Calabria	84	0.3
Umbria	74	0.2
Basilicata	26	0.1
Molise	22	0.1
Total	29,692	100.0

* SARS-CoV-2 related deaths presented in this report are those occurring in patients who test positive for SARS-CoV-2RT by PCR, independently from pre-existing diseases.



emia COVID-19

ramento nazionale
gio 2020 – ore 16:00

BBLICAZIONE: 15 MAGGIO 2020

all'Istituto Superiore di Sanità (ISS), Roma

Lavia Riccardo, Xanthi Andrianou, Antonino Bella, Martina Del Manso, Alberto Mateo Urdiales, abiani, Stefania Bellino, Stefano Boros, Fortunato (Paolo) D'Ancona, Maria Cristina Rota, Filia, Ornella Punzo, Andrea Siddu, Maria Fenicia Vescio, Corrado Di Benedetto, Marco Tallon, Ciervo, Maria Rita Castrucci, Patrizio Pezzotti, Paola Stefanelli, Giovanni Rezza, per ISS.

zzetta, Valentina Marziano, Piero Poletti, Filippo Trentini, Marco Ajelli, Stefano Merler per s Bruno Kessler;

ia Petrucci (Abruzzo); Michele La Bianca (Basilicata); Anna Domenica Mignuoli (Calabria); rgenzio (Campania); Erika Massimiliani (Emilia-Romagna); Tolinda Gallo (Friuli Venezia Giulia); gnamiglio (Lazio); Camilla Sticchi (Liguria); Danilo Cereda (Lombardia); Daniel Fiacchini Francesco Sforza (Molise); Maria Grazia Zuccaro (P.A. Bolzano); Pier Paolo Benetollo (P.A. Trento); Daniela Tiberti (Piemonte); Maria Chironna (Puglia); Maria Antonietta Palmas (Sardegna); Salvatore Scondotto (Sicilia); Emanuela Balocchini (Toscana); Anna Tosti (Umbria); Mauro Ruffier (Valle D'Aosta); Filippo Da Re (Veneto).



1. Ad hoc studies and periodic surveys

- Health care workers
- Long term care facilities
- Clusters and “red zones”
- Health system resilience monitoring
- Etc.



Survey nazionale sul contagio COVID-19 nelle strutture residenziali e sociosanitarie

TERZO REPORT *

Aggiornamento 14 aprile ore 20.00

Prodotto dall'Istituto Superiore di Sanità (ISS), Roma

A cura di:

Antonio Ancidoni, Ilaria Bacigalupo, Guido Bellomo, Marco Canevelli, Patrizia Carbonari, Maria Grazia Carella, Annamaria Confaloni, Alessio Crestini, Fortunato (Paolo) D'Ancona, Carla Faralli, Simone Fiaccavento, Silvia Francisci, Flavia Lombardo, Eleonora Lacorte, Cinzia Lo Noce, Paola Luzi, Tania Lopez, Flavia Mayer, Maria Masocco, Monica Mazzola, Graziano Onder, Ilaria Palazzesi, Luana Penna, Daniela Pierannunzio, Paola Piscopo, Maria Cristina Porrello, Giulia Remoli, Emanuela Salvi, Giulia Scaravelli, Andrea Siddu, Sabrina Sipone, Lucia Speziale, Andrea Tavilla, Nicola Vanacore per ISS,

in collaborazione con Mauro Palma e Gilda Losito (Garante nazionale dei diritti delle persone detenute o private della libertà personale)

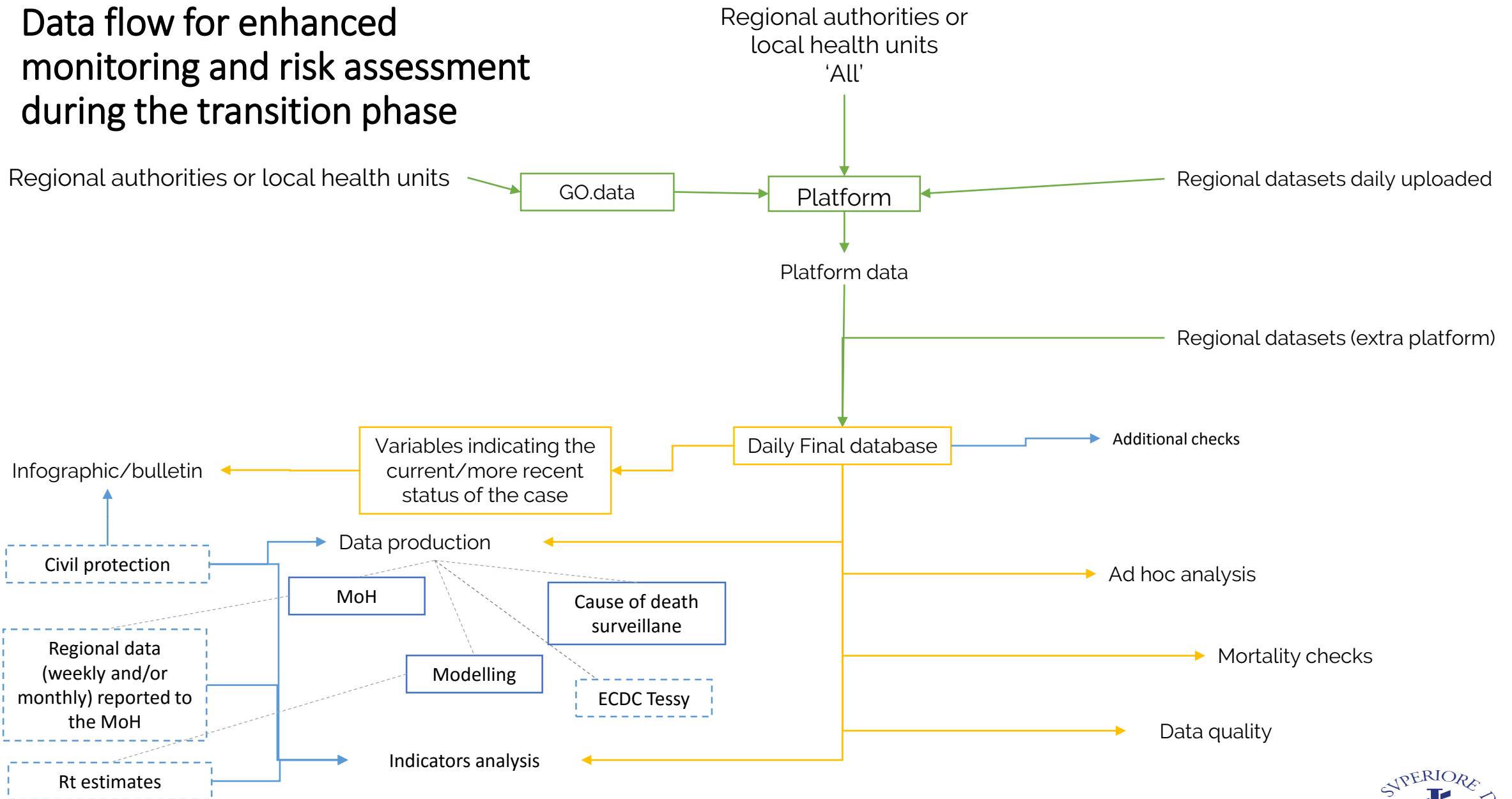
e con Gianluca Pucciarelli (Dipartimento di Biomedicina e Prevenzione-Università di Tor Vergata), Daniela Accorgi (UsL Centro Toscana), Catia Bedosti (AUSL Imola- Emilia Romagna), Gabriella Carraro (AUSL 2 Veneto) Maria Mongardi (Dipartimento di Malattie Infettive – Università di Verona)

Il questionario online è stato preparato da Gianluca Ferrari dell'Area Comunicazione e Informatica srl.

Citare il documento come segue: Survey nazionale sul contagio COVID-19 nelle strutture residenziali e sociosanitarie, Istituto Superiore di Sanità. Epidemia COVID-19, Aggiornamento nazionale: 14 aprile 2020.



Data flow for enhanced monitoring and risk assessment during the transition phase



What the challenges have been and how the EHII network could contribute to overcome these challenges

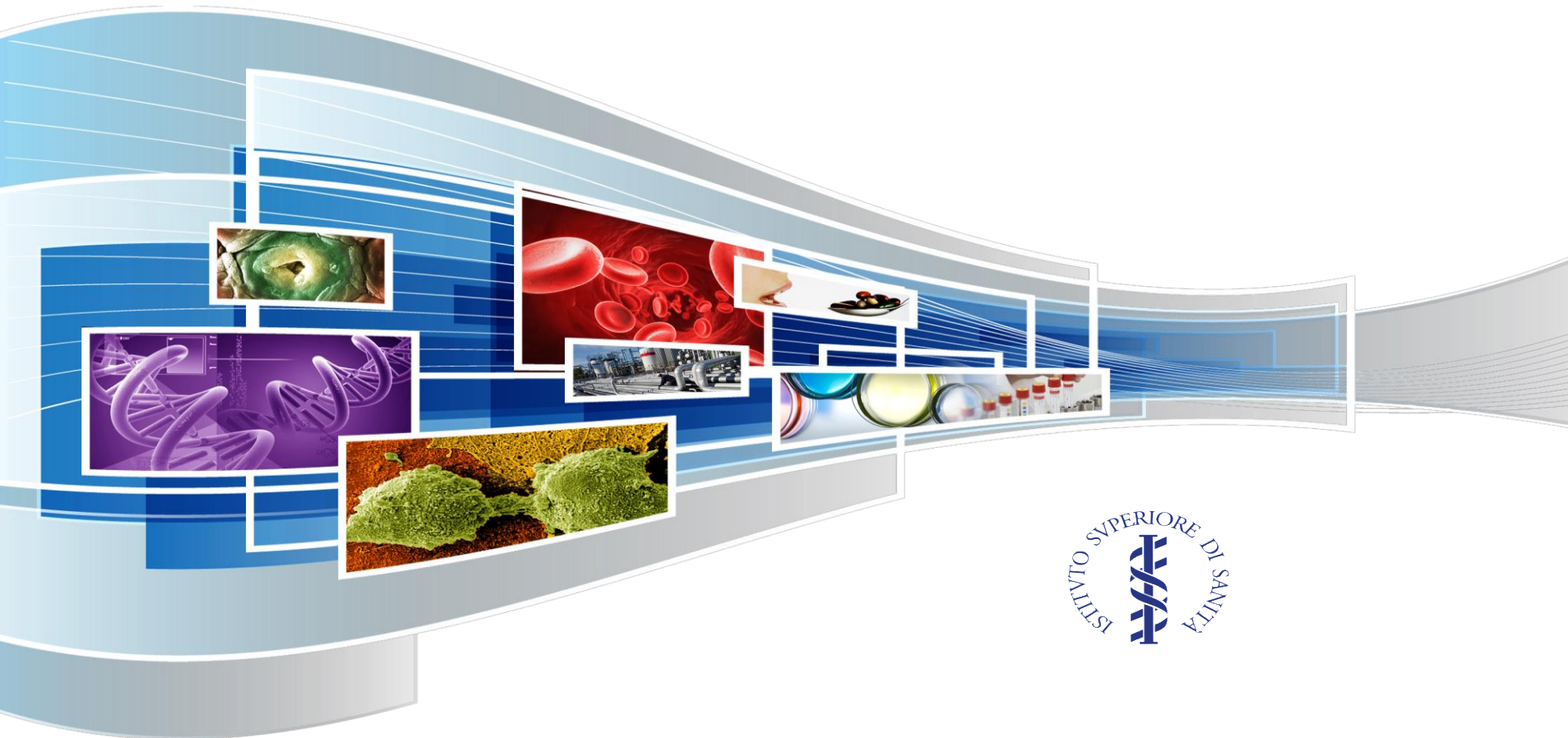
- Coordination among different actors (health decentralization issue)
- Resilience of surveillance systems during epidemic surges
- Interpreting data in light of the delays in observation of cases and deaths
- Insistent data requests from external researchers for personal publication purposes
- Uncertainty on application of privacy rules (e.g obstacles in blending different existing datasets to assess diseases and other aspects for correlation)
- Ethical open data approaches applicable to this setting

Methods for COVID-19 surveillance in the epidemic peak (eg approaches towards syndromic surveillance)

Defining ethical boundaries for data scavenging during emergencies

Clarifying the application and limits of existing laws governing privacy during the COVID-19 emergency

Thank you



Istituto Superiore di Sanità, Italy

For additional information:

- <https://www.iss.it/>
- <https://www.epicentro.iss.it/coronavirus/>