



share and move to face nasty bugs

## The Italian decision to mandate children vaccinations

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# The real title of this presentation

## **The Italian decision to enlarge the list of mandatory children vaccinations**





# Four vaccinations were already mandatory

- Diphtheria, polio, tetanus, hepatitis B for infants.
- However in the last years almost no consequences for who did not vaccinated the children.
- Veneto Region officially suspended the legal obligation and more than one Region officially eliminated the penalties.
- People had different perception between mandatory vaccinations and the others included in the national immunization plan (NIP).





# VC trend - Polio at 24 months

	2011	2012	2013	2014	2015	2016	Difference 2016-2015
Piemonte	95,90	96,50	96,68	96,21	95,16	95,13	-0,03
Valle d'Aosta	95,60	96,30	93,69	90,61	93,40	90,86	-2,55
Lombardia	97,00	96,70	95,95	95,02	93,48	92,80	-0,68
P.A. Bolzano	89,00	89,30	88,76	88,46	87,45	85,05	-2,39
P. A. Trento	95,90	95,40	94,46	92,74	92,83	92,98	0,15
Veneto	95,30	94,70	93,73	91,71	91,27	91,97	0,70
FVG	96,00	95,30	94,35	92,20	90,37	89,42	-0,95
Liguria	96,70	96,80	95,83	95,74	94,60	94,33	-0,27
Emilia Romagna	96,50	96,30	96,10	94,80	94,03	93,26	-0,77
Toscana	96,20	95,30	95,83	95,43	94,98	94,37	-0,61
Umbria	97,80	97,50	97,10	95,90	93,90	94,54	0,64
Marche	97,20	97,60	97,02	93,66	92,02	92,35	0,33
Lazio	96,60	98,90	96,74	97,55	95,26	96,86	1,59
Abruzzo	99,10	99,70	97,75	96,58	95,72	97,10	1,39
Molise	99,00	97,60	98,06	96,65	94,32	97,30	2,98
Campania	91,90	93,30	n.p.	93,19	91,34	92,71	1,36
Puglia	96,90	96,50	95,65	94,64	93,80	93,34	-0,46
Basilicata	98,60	99,80	99,03	98,84	97,83	97,35	-0,47
Calabria	95,90	95,80	94,25	96,07	95,32	95,84	0,52
Sicilia	94,80	95,70	95,30	93,48	91,94	91,63	-0,30
Sardegna	96,10	93,30	96,19	96,12	95,05	95,66	0,61
<b>Italia</b>	<b>96,10</b>	<b>96,10</b>	<b>95,74</b>	<b>94,71</b>	<b>93,43</b>	<b>93,33</b>	<b>-0,10</b>





# VC trend – Measles at 24 months

	2011	2012	2013	2014	2015	2016	Difference 2016-2015
Piemonte	92,20	91,80	92,07	90,55	88,72	91,06	2,34
Valle d'Aosta	86,40	86,60	83,95	77,61	82,25	83,38	1,13
Lombardia	94,60	94,10	92,62	89,49	90,32	93,40	3,08
P.A. Bolzano	72,40	71,50	68,94	68,77	68,84	67,52	-1,31
P. A. Trento	89,10	87,40	86,25	84,21	84,55	87,43	2,88
Veneto	92,50	91,80	89,99	87,10	87,15	89,19	2,05
FVG	91,60	90,00	87,80	83,51	82,01	83,24	1,23
Liguria	85,70	88,80	85,97	82,82	81,48	82,15	0,66
Emilia Romagna	92,90	92,60	91,30	88,26	87,23	87,47	0,24
Toscana	92,20	91,10	90,07	89,31	88,72	89,38	0,66
Umbria	94,70	94,50	93,06	88,97	87,51	89,86	2,36
Marche	92,40	96,70	87,75	81,39	79,90	83,04	3,14
Lazio	90,00	90,50	90,89	88,54	84,47	87,94	3,47
Abruzzo	91,90	92,40	91,26	85,68	84,23	87,56	3,32
Molise	89,70	89,40	87,62	86,27	77,38	73,51	-3,87
Campania	86,50	87,70	n.p.	83,66	80,76	83,87	3,11
Puglia	92,70	92,60	90,64	85,07	84,15	85,88	1,73
Basilicata	92,40	95,00	91,34	90,00	90,25	90,56	0,31
Calabria	85,80	88,10	87,60	83,20	84,38	86,49	2,11
Sicilia	90,10	89,00	88,98	83,95	79,20	81,11	1,91
Sardegna	95,80	87,60	91,12	88,60	87,67	90,29	2,62
<b>Italia</b>	<b>90,10</b>	<b>90,00</b>	<b>90,35</b>	<b>86,74</b>	<b>85,27</b>	<b>87,26</b>	<b>1,99</b>





# When the discussion about mandatory vaccinations began..

## Measles in Italy: weekly bulletin



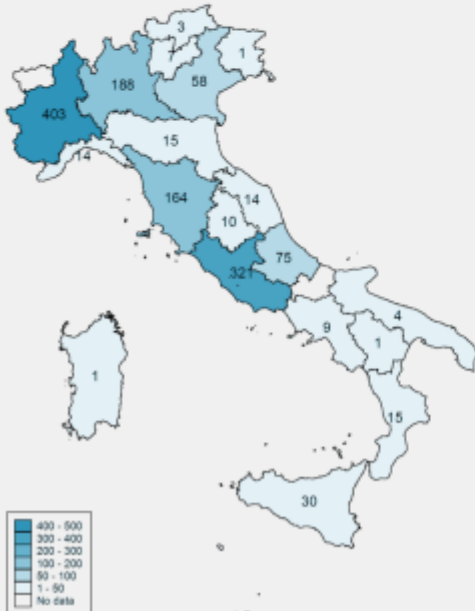
Update as of 4 April 2017

Week: 27 March - 2 April 2017 (W13)

Source: National Integrated Measles-Rubella Surveillance System

Preliminary data, numbers may change following further data validation.

### Cases by Region



**1,333** cases reported from 1 January 2017

**88%** unvaccinated

32% reported one or more complications

39% hospitalized

131 cases among health care workers

Median age 27 years

**36** cases reported in the last week





# It was done thinking about what the future

## Measles in Italy: weekly bulletin

Update as of 10 October 2017  
Week: 9 - 15 October 2017 (W41)

Source: National Integrated Measles-Rubella Surveillance System

Preliminary data, numbers may change following further data validation.

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### Cases by Region

Region	Cases
Liguria	606
Piedmont	771
Lombardy	285
Veneto	22
Trentino-South Tyrol	17
Emilia-Romagna	13
Lazio	81
Campania	367
Puglia	80
Apulia	71
Basilicata	174
Calabria	162
Molise	108
Abruzzo	25
Marche	4
Umbria	47
Liguria (Sardinia)	35
Calabria (Sicily)	35
Calabria (Sicily)	342

**4,689** cases and **4** deaths reported from 1 January 2017

**89% unvaccinated**  
**6% vaccinated 1 dose**

**35%** reported one or more complications  
**44% hospitalized**

**305** cases among health care workers  
**Median age 27 years**





## The Italian vaccination system in a nutshell

- The 21 Regions have a regional immunisation plan that includes the national recommendations
- Vaccinations included in the NIP are offered free of charge and actively mainly in public vaccination services
- There is not a national Immunisation information systems (IIS), a regional IIS is missing in some regions
- In Italy there is not a national vaccination certificate
- Estimation of the vaccine coverage and identification of the “non vaccinated” could have some limitation in certain geographic areas







Law Decree no. 73 of 7 June 2017, amended and converted into Law no. 119 of 31 July 2017, concerning “Urgent measures on preventive vaccination, infectious diseases and drug administration issues”





# The main objectives of the D.L.73-2017

- To enlarge the mandatory vaccination list including the diseases that potentially could give severe outbreak.
- To catch-up unvaccinated children (0-16 years).
- To reinforce the penalties.
- To use the educational system (school and pre-school) as filter to check again the vaccination status.
- Declare the mandatory vaccinations as requirement for attending the educational services (nursery schools, day care centers) in 0-6 age group.
- Setup of a new national IIS.





- *Poliomyelitis vaccine*
- *Diphtheria vaccine*
- *Tetanus vaccine*
- *Hepatitis B vaccine*
- *Pertussis vaccine*
- *Haemophilus influenzae B vaccine*

*these vaccines are mandatory on a permanent basis*

- *Measles vaccine*
- *Rubella vaccine*
- *Mumps vaccine*
- *Chicken pox vaccine*

*these vaccines are mandatory until subsequent evaluations*





# Possible exemptions

- Medical reasons
- Natural immunisation  
(only some diseases)





We use as reference the «Guide to the contraindications to vaccinations, a 200 pages documents prepared in Italian.

It is at fifth edition.

It is based on international guidelines and evidences.



**GUIDA ALLE  
CONTROINDICAZIONI  
ALLE  
VACCINAZIONI**

Quinta edizione - Luglio 2017

*A cura di Giovanni Gallo, Rosanna Mel, Elisa Ros e Antonietta Filia*





# Penalties

- The vaccinations are mandatory.
- The penalty is from 100 to 500 euro according to the number of vaccinations skipped.
- A new penalty is applied just when it is time of a new vaccination (e.g. a new booster).
- Unvaccinated children (for choice of the parents) cannot attend nursery and DCC, unless the parents ask for vaccination.
- Important: there is no coercion! No vaccination is given without the parent's authorisation.





# Several challenges (1 of 2)

- Disinformation regarding the new law -> interviews, National and Regional free toll telephone numbers, email address dedicated to citizen request of information.
- Political discussion overlapped the technical discussion –>Strong coordination among the stakeholders.
- Difficult to estimate the number of catch up and related vaccines needed.
- Logistical problems due to the different type of organization in the different regions->Flexibility in asking the vaccination.







# Several challenges (2 of 2)

- No IIS available at national level for exchanging of data for people that moved from a region to another one.
- Many children partially immunized, have to repeat some vaccination due the lack of mono-component vaccination.
- Citizen, A Region, Associations appealed this law -> More work to prepare the answers
- Discussion more focused on people inconveniences than on advantages to increase the vaccination coverage -> Communication campaigns
- In some less organized areas, inconvenience for the citizen were recorded due to overload of vaccination centers
- Application of the law was uneven among the regions
- Many parents against the vaccination put obstacles to the vaccination system





# On the newspapers for months

## Vaccini, due bimbi esclusi dalla materna. Ira dei genitori

Vaccini, scuola: lecita l'esclusione per bambini non vaccinati. La sentenza del TAR

Federica Ponza 20-10-2017



Milano

Municipi: 1 2 3 4 5 6 7 8 9 AREA METROPOLITANA REGIONE Cerca nel sito METEO

Home Cronaca Sport Foto Tempo libero Annunci Locali Cambia Edizione Video

DePadova + Boffi CUCINE, BAGNI, DIVANI, LETTI, TAVOLI E COMPLEMENTI D'ARREDO - DA SERVIZI FOTOGRAFICI, FIERE E SHOWROOM.

f 16 t g+ in e

**Vaccini obbligatori in Lombardia: "Più di 700 i bimbi esclusi, ma solo 180 scuole hanno comunicato i dati"**





# Are they in contrast?

**SERIE GENERALE**

Anno 158° - Numero 182

Sped. abb. post. - art. 1, comma 1  
Legge 27-02-2004, n. 46 - Filiale di Roma

## GAZZETTA UFFICIALE

DELLA REPUBBLICA ITALIANA

Roma - Sabato, 5 agosto 2017

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**SOMMARIO**

<p><b>LEGGE ED ALTRI ATTI NORMATIVI</b></p> <p><b>LEGGE 21 luglio 2017, n. 118.</b> Conversione in legge, con modificazioni, del decreto-legge 7 giugno 2017, n. 73, recante disposizioni urgenti in materia di prevenzione vaccinale. (17G00132)..... Pag. 1</p> <p><b>DECRETI, DELIBERE E ORDINANZE MINISTERIALI</b></p> <p>Ministero delle Infrastrutture e dei trasporti</p> <p><b>DECRETO 14 luglio 2017.</b> Autorizzazione all'organismo CSI S.p.A., in Senago all'espletamento dei compiti di cui all'articolo 38 del decreto del Presidente della Repubblica 6 giugno 2005, n. 134. (17A05404)..... Pag. 5</p>	<p><b>DECRETI E DELIBERE DI ALTRE AUTORITÀ</b></p> <p>Università di Napoli «Parthenope»</p> <p><b>DECRETO RETTORALE 17 luglio 2017.</b> Emanazione del Regolamento di Ateneo per la Ricerca e stabilità. (17A05396)..... Pag. 7</p>
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VS

## Parliamo di protezione

Migliorare le coperture delle vaccinazioni pediatriche

## Parliamo di esitazione

Accrescere la fiducia nella vaccinazione e le coperture vaccinali

Guida alla comunicazione per gli operatori sanitari

Guida pratica per i programmatori e i comunicatori in sanità pubblica





# Managing the implementation

- Four national documents were prepared for the operational aspects.
- Data on the number of catch up were requested to the Regions.
- Monitoring the activities of the Regions.





# Conclusions

- A strong action was necessary to boost the vaccination coverage especially for MMR.
- We are not still able to evaluate the impact of the new law, but from the first information are positive.
- There was a lot of public attention on vaccination topic and many hesitants should have received benefit from it.
- The “Vaccination system” made big efforts to provide the service to the citizen. Improvement and planning of the activities was crucial.
- Consensus among the stakeholder is needed to promote and sustain a so impacting law.
- We need to be coherent now and in the future to make the system sustainable.







RAESIDE  
8/23

Victoria Times Colonist - bis.br.korokpress.inr.raesidacartoon.com

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THANKS!

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