



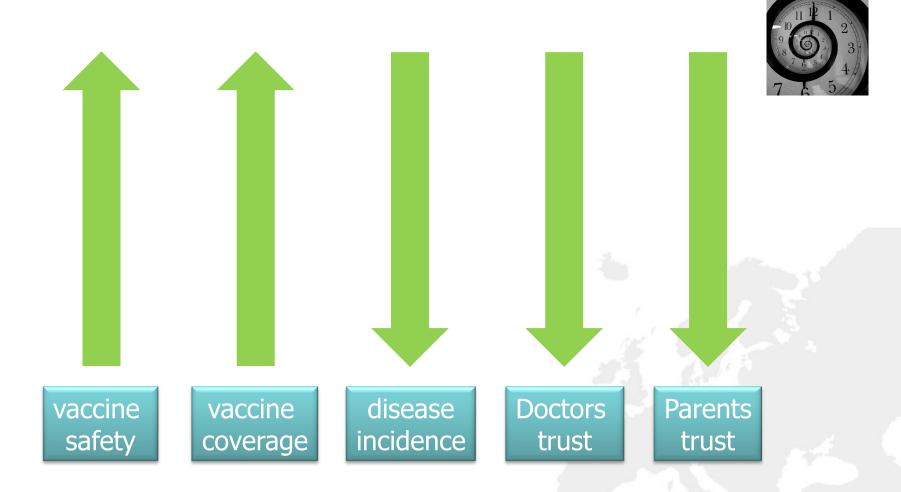
## Vaccine hesitancy in the EU: state of play and impact on vaccination programmes

Lucia PASTORE CELENTANO, MD, MSc Head of the Vaccine Preventable Diseases Programme, ECDC "Addressing vaccine hesitancy in challenging times"

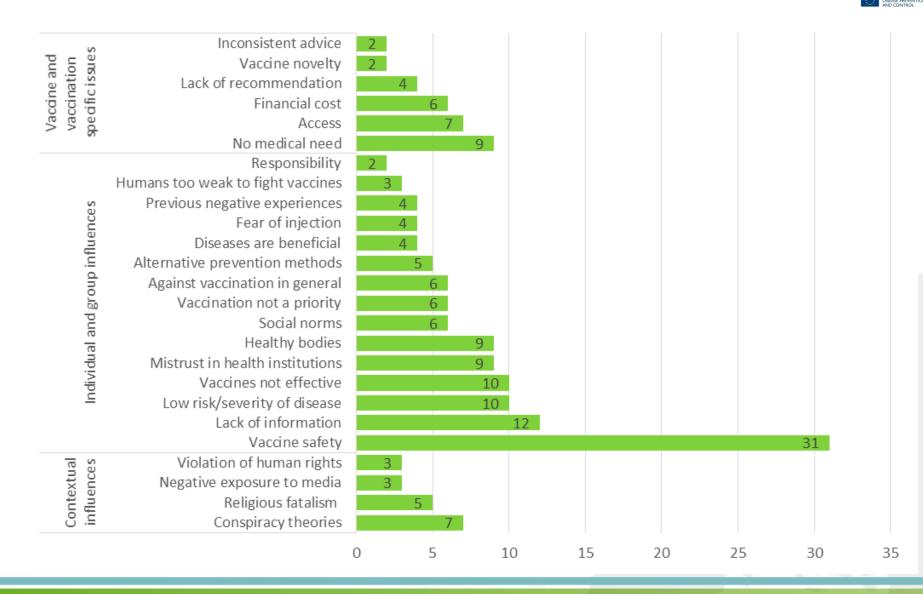
European Health Forum Gastein, 05 October 2017

## The Vaccination Paradox in the post factual era





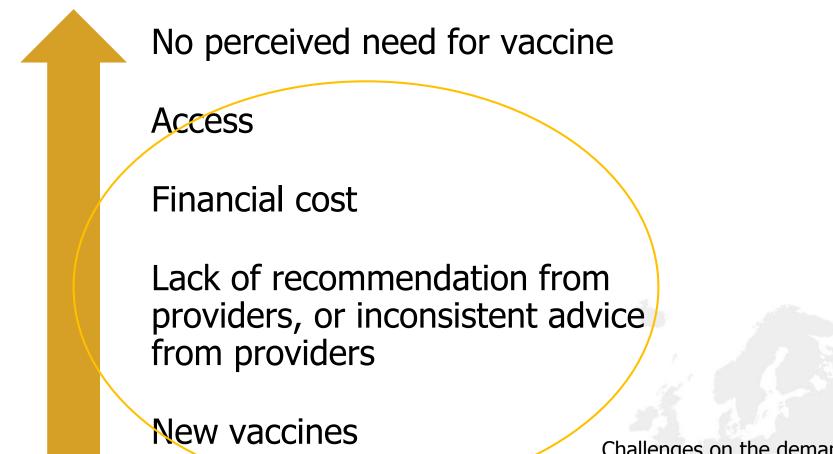
## Determinants of vaccine hesitancy in Europe



ECDC. Rapid literature review on motivating hesitant population groups in Europe to vaccinate. Stockholm: ECDC; 2015

### Vaccine and vaccination specific influences





Challenges on the demand side, but also on supply side:

HOW EFFECTIVE ARE WE ?

ECDC. Rapid literature review on motivating hesitant population groups in Europe to vaccinate. Stockholm: ECDC; 2015

## Which groups are hesitant?



- Parents and mothers
- Teenagers
- Healthcare workers
- Pregnant women
- Some religious communities
- Underserved populations
- Social media users...



Concerns about the possible formation of clusters of vaccine hesitant populations which might expand and affect the general public (i.e. doctors influencing their patients)



## Hesitancy in healthcare workers in Europe



- Vaccine hesitancy in HCWs is present in all the countries which took part of the ECDC study (Croatia, France, Greece and Romania);
- Inconsistencies in perceptions about vaccination: praising benefits of vaccines but also sharing concerns;
- Most important concern: vaccine safety;
- Important role of the media in vaccine hesitancy;
- Doctors have high feelings of trust in health authorities but mistrust pharmaceutical companies;



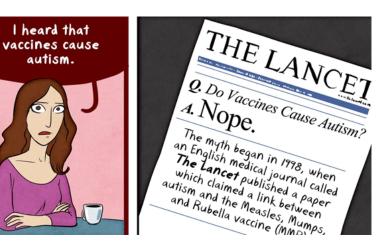
- HCWs believe it is their role to respond to patient hesitancy;
- Attitude and knowledge of HCWs can influence their vaccine uptake, their intention to recommend vaccination, and overall vaccination coverage.

#### Hesitancy is often a vaccine and country specific phenomenon



#### Autism and MMR in UK

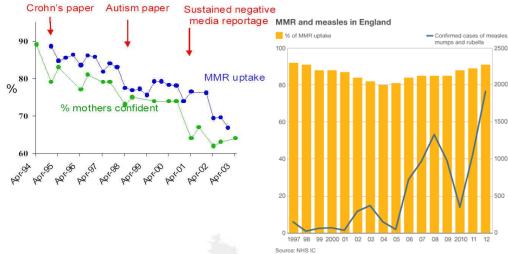
autism.

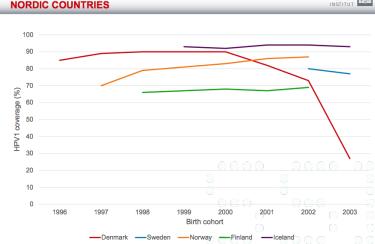


POTS and HPV in Denmark



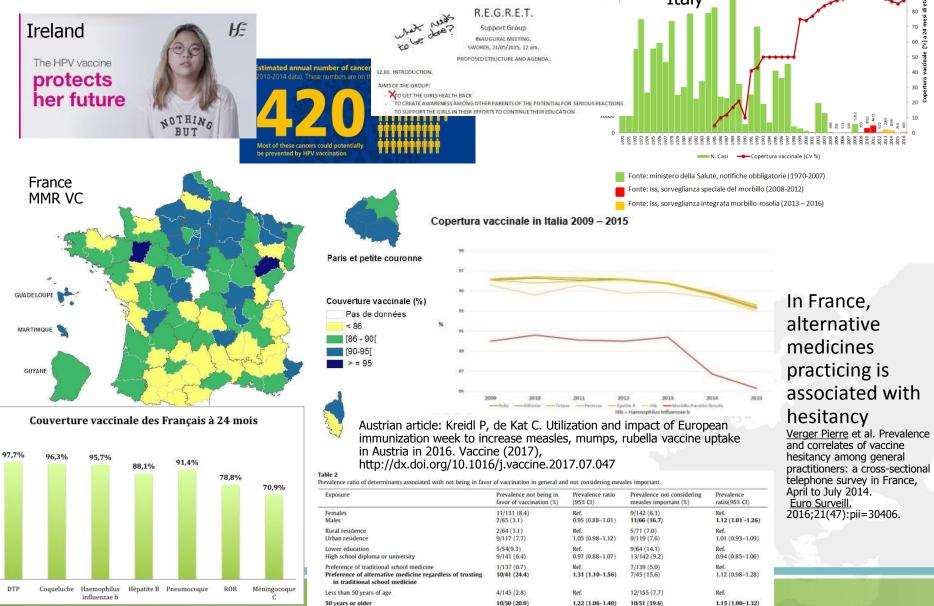
MMR uptake at 16 months and proportion of mothers believing in complete or almost complete safety of MMR vaccine





5. HPV VACCINE UPTAKE OF FIRST DOSE BY BIRTH COHORT IN THE **NORDIC COUNTRIES** 

# But the negative effects are widely spread in other EU countries



lower 95% CI: 1.0008

## **ECDC activities to support countries**



#### • Evidence Generation (to inform research, policy, practice)

- Document attitudes towards vaccines and vaccination
- Analyse <u>barriers and drivers to uptake</u>, incl. vaccine-specific analyses
- Knowledge, attitudes, and practices, part. of HCWs
- Effective public health communications strategies

#### Communications guides and toolkits

- Tools to help improving healthcare workers' interpersonal messaging
- Improving knowledge of 'enabling' actors (e.g. programme managers)
- Adaptation and contextualisation of outputs at national level

#### Pilot collaboration on real-time media monitoring

- Piloting tools to capture evidence through media and social media (HPV focus)
- Better capture sentiment, as well get to grips with main questions

#### Launch of Technical Advisory Group on communications to increase VCR

- Provide EU forum to discuss practice and strategies
- Use of online media, responding to un-scientific facts, and crisis communication

#### **Cultural adaptation of health communication guidance**

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#### **Background information**

Between **2012** and **2017** a stakeholder approach to translation and adaptation was developed, tested and refined through early country experience in **Bulgaria**, **Czech Republic**, **Hungary** and **Romania** and served as a process guide for subsequent national projects in **Austria**, **Estonia**, **Greece** and **Italy**.

The ECDC Guides were developed through <u>systematic reviews</u> and <u>formative</u> <u>qualitative research</u> that involved a variety of countries and stakeholder groups: health professionals, health authorities, non-governmental advocates, beneficiaries (including parents and grandparents, representatives of "poorly reached" populations such as Roma), communicators and social marketers.







