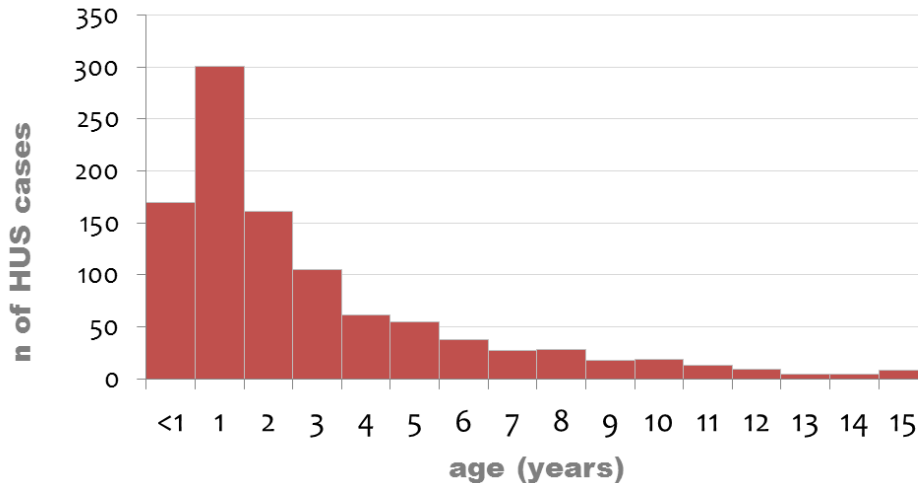
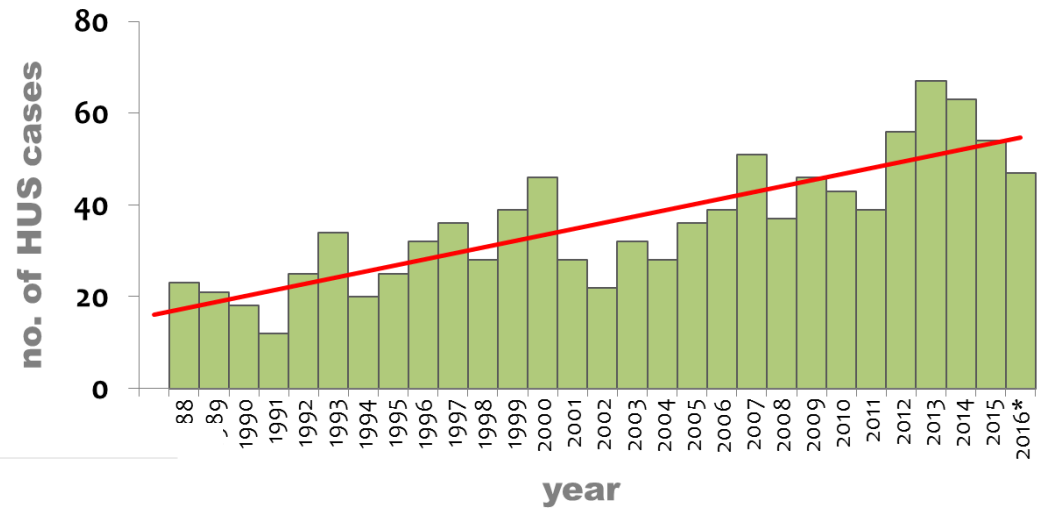


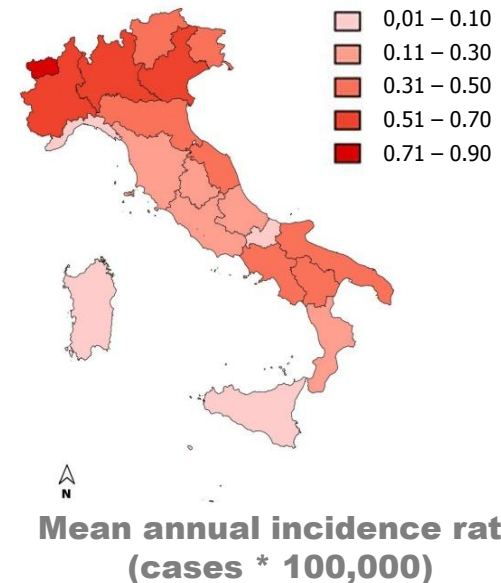
# **Registro Italiano della Sindrome Emolitico Uremica (SEU) Sintesi dell'attività: 2015 - 2016**

# HUS in Italy through the Italian Registry data (1988-2016\*) - 1

- Total HUS cases recorded: **1,047**
- Mean HUS cases per year: **36,1**  
(range 12 – 67)
- M/F ratio: **1,05**
- Median age of patients: **26 months**  
(range 0 - 15 yrs)



- Mean annual HUS incidence rate:  
**0.40 cases per 100,000 (0–15 yrs)**  
**1.19 cases per 100,000 (0-4 yrs) – RR=3.0**
- Difference among regions



\*Data updated as of 30 September 2016

Source of demographic data : ISTAT ([www.istat.it](http://www.istat.it))

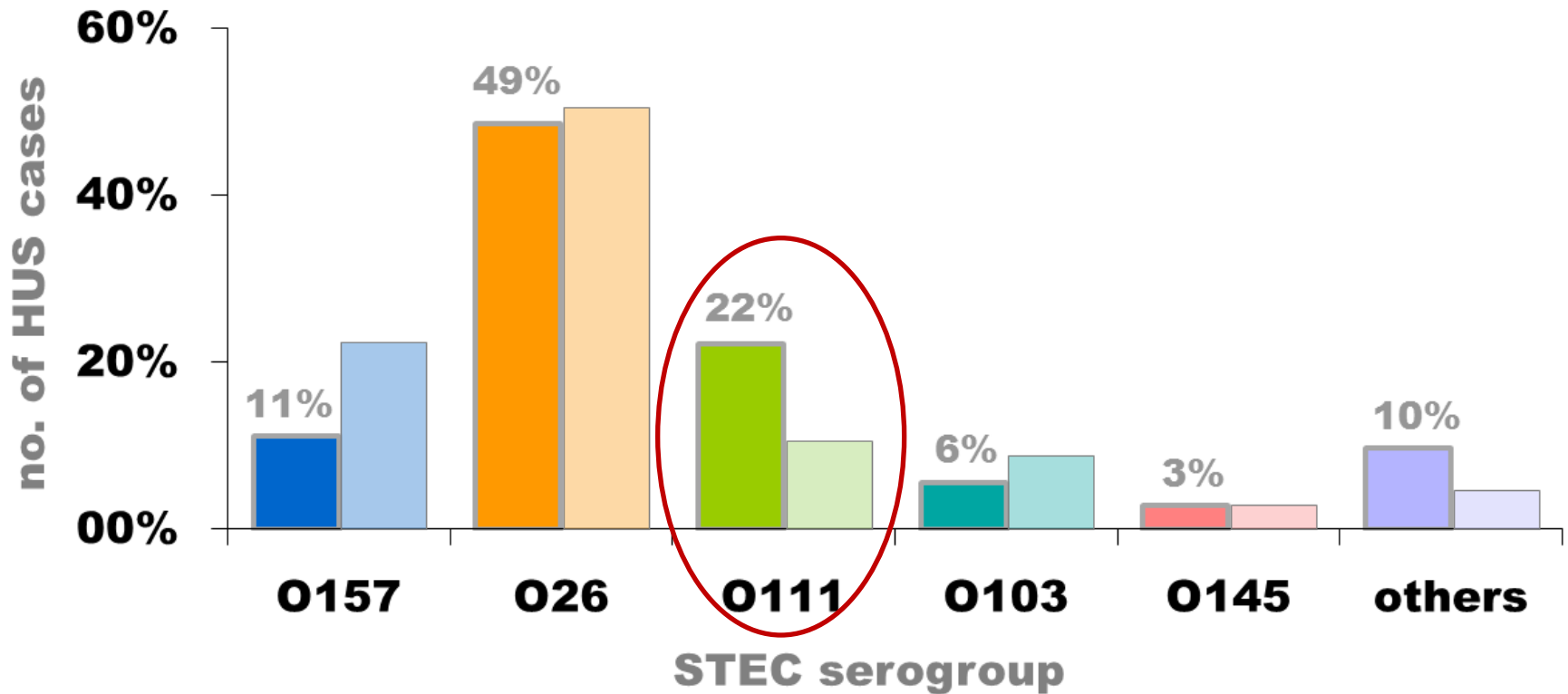
## Sintesi dell'attività di segnalazione casi e diagnostica per E.coli produttore di Shigatossina (STEC)

	<b>2016*</b>	<b>2015</b>	<b>5 anni precedenti (media)</b>	<b>10 anni precedenti (media)</b>
<b>n. centri che hanno segnalato casi</b>	15	14	11.8	11.1
<b>n. casi SEU</b>	47	54	53.4	47.6
<b>% di casi SEU con campioni per VTEC esaminati</b>	94.0%	98.0%	91.8%	89.1%
<b>% casi VTEC+ su casi esaminati</b>	82.1%	79.0%	76.7%	74.3%
<b>casi D-VTEC-</b>	-	3 (5.6%)	4.10%	5.40%

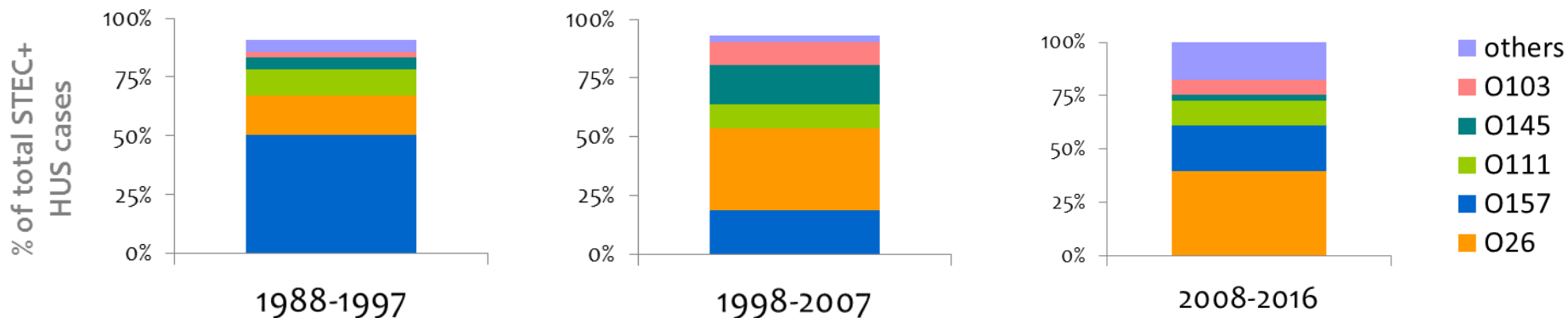
# SEU tipica: sierogruppi STEC associati ai casi

2015-2016

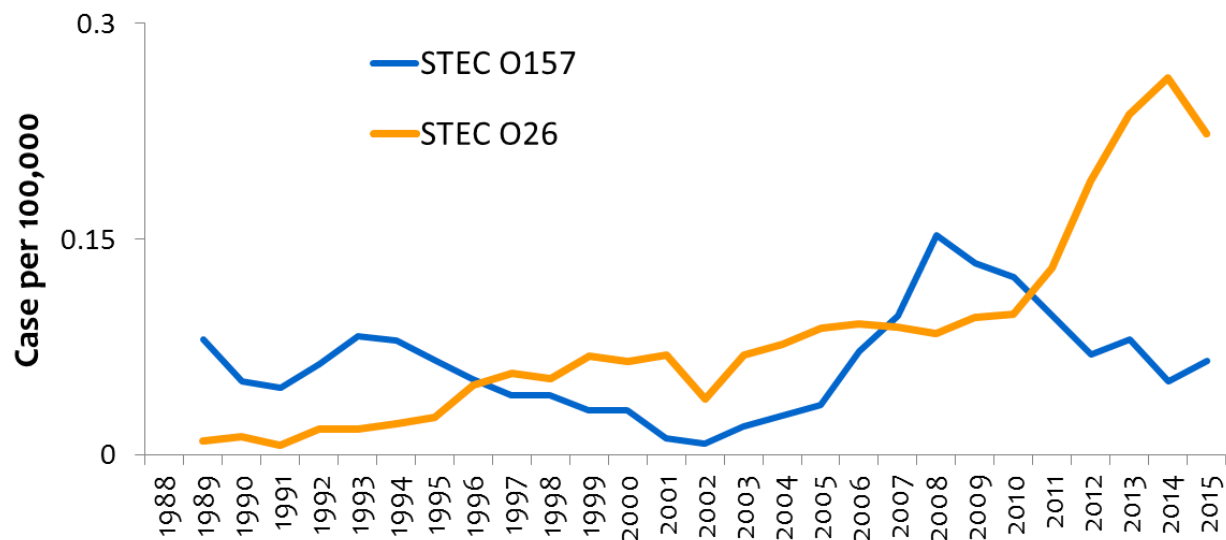
5 anni precedenti (in chiaro)



# SEU e infezione da VTEC in Italia: da VTEC O157 a VTEC O26



**Incidenza media annuale (media mobile su 3 anni) della SEU nella popolazione pediatrica <15 years (casi \* 100 000), per sierogruppo**



## Cluster e focolai epidemici di SEU: 2015/2016



Roma 2015  
**STEC O26**



Bolzano 2015  
**STEC O26**





Sicilia 2014-2016  
Umbria 2016  
Puglia 2015 - 2016  
**STEC O111**

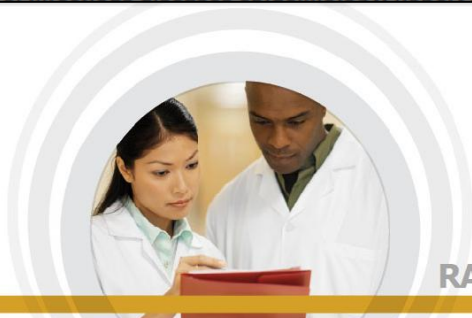
# Early findings in outbreak of haemolytic uraemic syndrome among young children caused by Shiga toxin-producing *Escherichia coli*, Romania, January to February 2016

**E Peron**<sup>1,2,3</sup>, **A Zaharia**<sup>3,4</sup>, **LC Zota**<sup>3,4</sup>, **E Severi**<sup>5</sup>, **O Mårdh**<sup>5</sup>, **C Usein**<sup>6</sup>, **M Bălgrădean**<sup>7,8</sup>, **L Espinosa**<sup>5</sup>, **J Jansa**<sup>5</sup>, **G Scavia**<sup>9</sup>, **A Rafila**<sup>7,10</sup>, **A Serban**<sup>11</sup>, **A Pistol**<sup>4</sup>

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**RAPID OUTBREAK ASSESSMENT**

**Multi-country outbreak of Shiga toxin-producing *Escherichia coli* infection associated with haemolytic uraemic syndrome**

5 April 2016

**Main conclusions and options for response**

A multi-country outbreak of Shiga toxin-producing *Escherichia coli* (STEC) infection associated with haemolytic uraemic syndrome (HUS) and affecting mostly young children has been reported in the last two months in Romania. Italy reported one related HUS case through the Early Warning and Response System (EWRS) on 21 March 2016. Overall, 25 cases were identified as associated with this outbreak, of which 19 developed HUS and three died. Twelve cases had microbiological and/or serological evidence of STEC O26 infection; 13 additional cases met the probable case definition by developing HUS, testing positive for another STEC O serogroup (O157) or by testing positive by PCR for *stx1* and/or *stx2* and *eae* genes.

Information collected from patients pointed towards a milk processing establishment (the Romanian operator)



# The Italian Registry for HUS ([www.iss.it/seu](http://www.iss.it/seu))



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