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Paediatric Nursing Associations of Europe 36th meeting Slovenia – October 2020

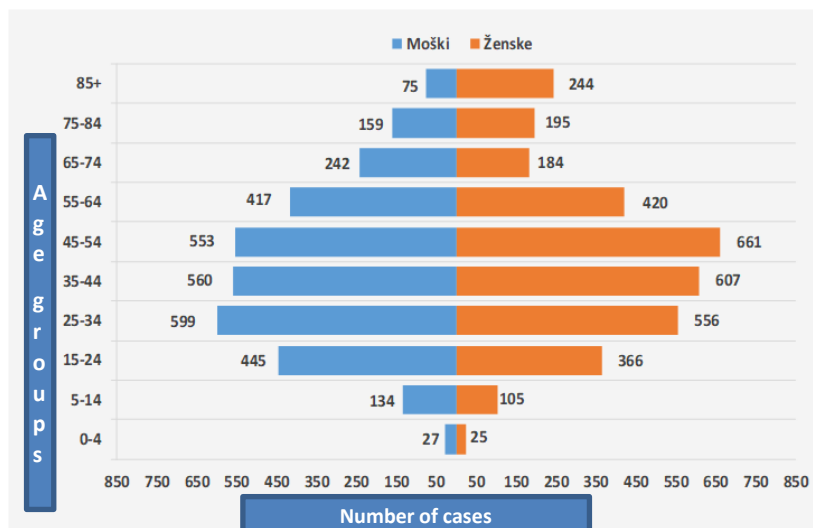
**The impact of Covid-19 on children
and young people across Europe**

All PNAE members across Europe



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Impact of covid on children - Slovenia



- Low number of infected children
- Very low number of hospitalization (8)
- One child with complications
- In time of quarantine less respiratory problems (study)
- Increase of obesity and bad movement results (20%)
- All children were vaccinated
- Less complex diagnoses – lost children?



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Archives of
Disease in Childhood

COVID-19 lockdown dropped the rate of paediatric asthma admissions **FREE**

Uros Krivec¹, Andreja Kofol Seliger², Janja Tursic³

Table 1 Descriptive data of asthma and respiratory tract infection admissions at Ljubljana Children's Hospital, mean daily pollen count, and the concentrations of nitrogen dioxide and particulate matter with a diameter of less than 10 µm for the city of Ljubljana, Slovenia, for the observed period, 16 March to 20 April 2017–2020

	2020	2019	2018	2017
Asthma admissions	2	9	9	7
Respiratory tract infection admissions	20	41	49	63
Birch pollen (grains/m ³), mean SD	148 (200)	146 (188)	241 (299)	145 (198)
Grass pollen (grains/m ³), mean SD	5 (4)	4 (1)	2 (1)	4 (2)
NO ₂ (µg/m ³), mean SD	13 (7)*	28 (11)	25 (9)	31 (13)
PM ₁₀ (µg/m ³), mean SD	33 (39) 23 (7)†	24 (8)	21 (9)	25 (12)

European Union (EU) and WHO air quality annual mean limit values for NO₂ (40 µg/m³) and PM₁₀ (40 µg/m³, WHO 20 µg/m³).

*p<0.001 for difference between means 2020 vs 2019, 2018, 2017.

†Average PM₁₀ concentration without 3 days, 26–29 March 2020, episode of desert dust.

NO₂, nitrogen dioxide; PM₁₀, particulate matter less than 10 µm in diameter.

With kindness of Uroš Krivec



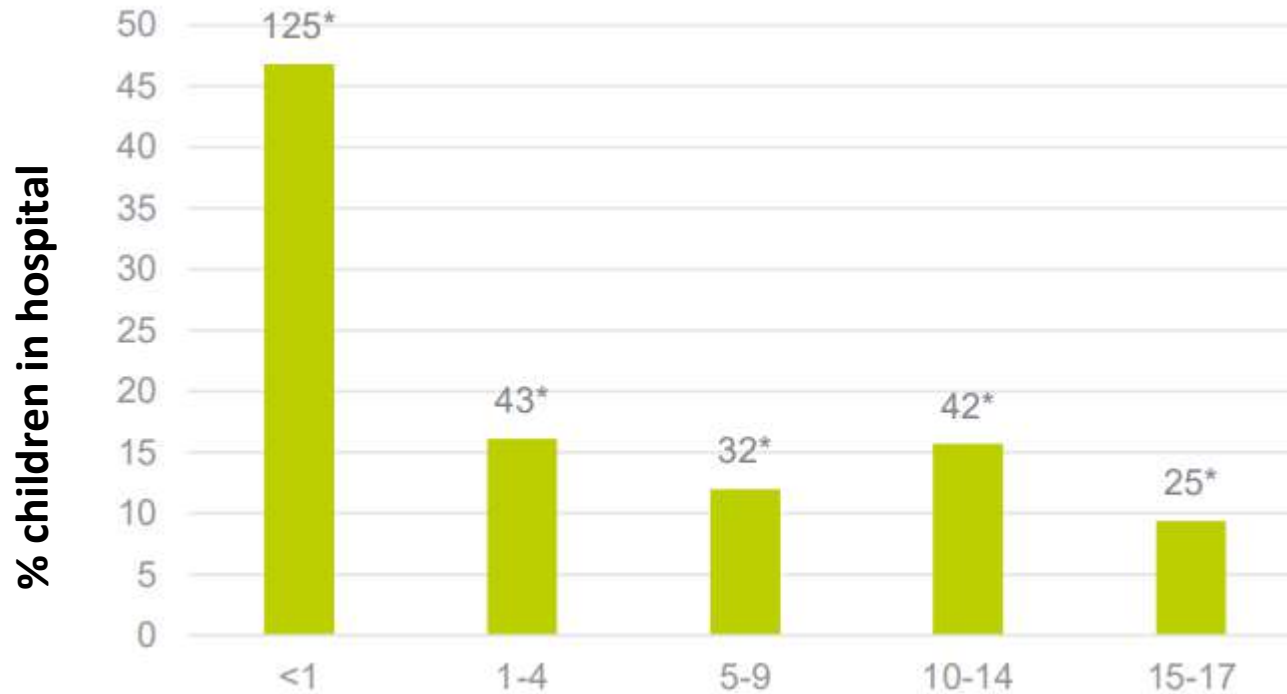
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Katrin De Winter, NVKVV, Belgium

Belgium (Sciensano – aug 2020)

Distribution of covid + children in hospitals



Age Group (years)

*** Absolute number**

http://covid-19.sciensano.be/sites/default/files/Covid19/COVID-19_THEMATIC%20REPORT_COVID-19%20INFECTION%20IN%20CHILDREN_NL.pdf



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Belgium

- Figures august 20:
 - 10% tests children < 18 y → 3% total positive cases
 - Part: 1,6% of total hospitalized patients
- Symptoms: fever and coughing
- Problems towards autumn:
 - Capacity problems (double room for single use)
 - Staff shortage (sickness and time issues with changeover time)
 - In September more admissions with unexplained abdominal pain and headache (stress)
 - Parents who refuse to follow all guidelines closely
 - Reduced carrying Capacity of parents
 - difference in measures between emergency department and paediatrics department

Croatian Nurses Association
of Paediatric Nursing Society



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IMPACT OF COVID-19 CROATIA

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IMPACT OF COVID-19 CROATIA



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- **Croatian Institute for Public Health – cases of Covid-19 (6.10.2020)**
- Total cases: 18,084 Recovered: 16,192 Deaths: 304
- Paediatric: around 500 children under 19 years old
- 6.10.2020: 203 children cases, 4000 children in quarantine
- Newest recommendations and instructions for Health Department given in September 2020
- Everyday life in Croatia takes place with new epidemiological measures
- Health professionals – mandatory Covid testing prior coming to work, if they feel any symptoms or contact with Covid positive person
- Lack of Intensive Care nurses in Respiratory Covid Centres – help from nurses from other specialisations



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Karin Bungaard and Ida Karina Thorsteinsson
Danish Nurses Organization
Denmark



Danish Nurses Organization



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DENMARK



Grafting



Web consultation



Webinar



On line meetings



Cisco Webex Meetings- desktopapp
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Activities in the UK

- Engage with RCN Forum members to promote children and young people's nursing
- Renewal of RCN children and young people's nursing publications
- Joint working across the RCN to support members emotional health and wellbeing following impact of COVID-19
- Support members regarding safer staffing levels
- Working with Trades Unions on fair pay award for health care workers



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- Work with the Association of Chief Children's Nurses (COVID-19 sharing of policies and expertise)
- Educational CYP group – sharing on line learning and blended learning resources



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36th meeting

Slovenia – October 2020

The impact of Covid-19 on children and young people across Europe

Catherine Sheridan

1° Vice President

Irish Nurses and Midwives Organisation (INMO)



Irish Nurses and Midwives Organisation
 Cumann Altraí agus Ban Cabhrach na hÉireann
 Working Together



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Impact of COVID-19 in Republic of Ireland

- Total cases to date: **42,526**
- Total deaths to date: **1,573**
- Cases hospitalised: **3,822**
- ICU confirmed cases: **491** (HPSC, 2020)

Paediatric cases:

- 0-4 years – **704** (1.66%)
- 5-14 years – **1,589** (3.74%)
- 15-24 years – **6,030** (14.18%) (HPSC, 2020)

Children’s Trolley Watch – increasing trend in number of admitted children now awaiting beds (INMO, 2020)

June	July	Aug	Sept	Oct (1-7)
29	44	56	97	12

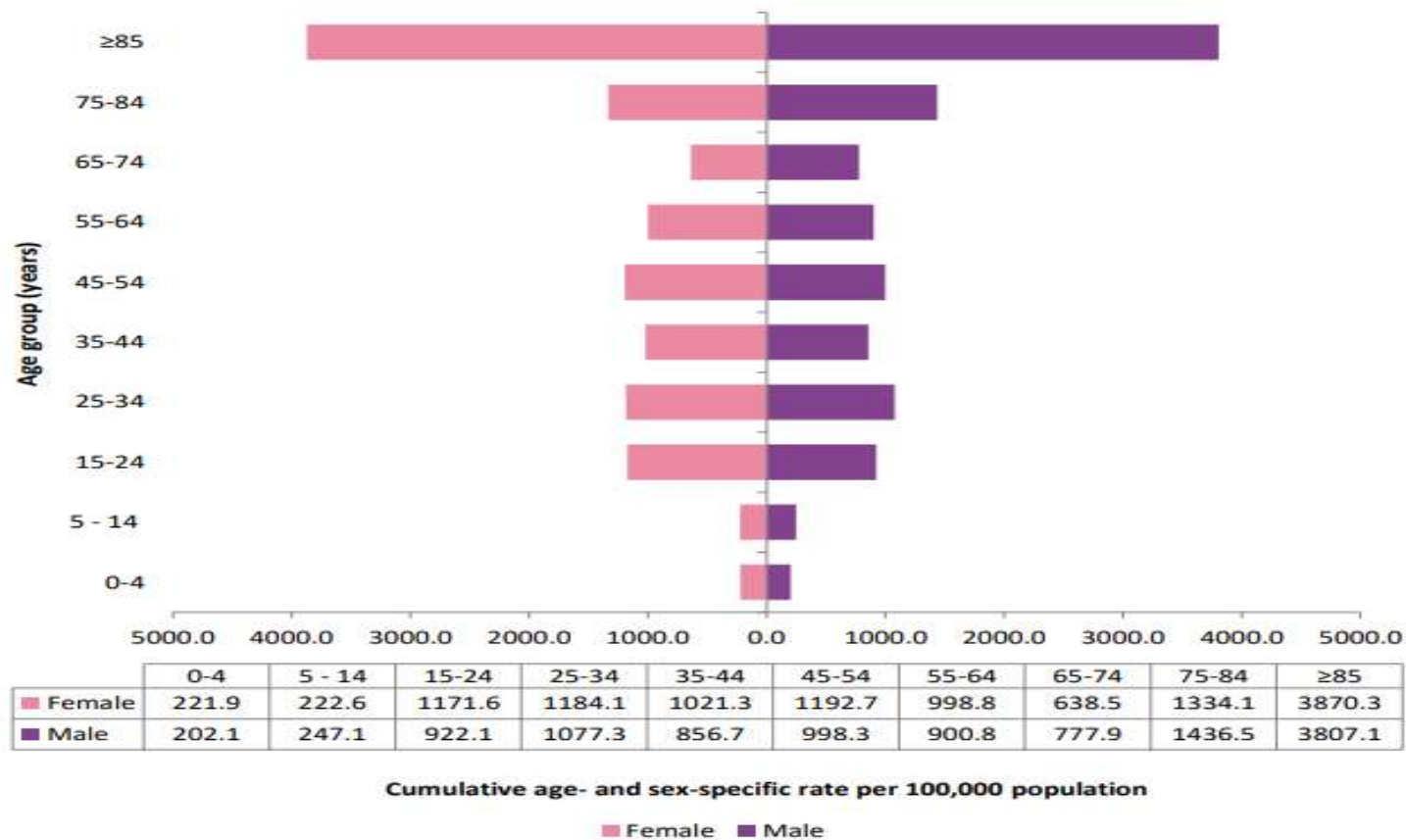


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Impact of COVID-19 in Republic of Ireland (Graph – HPSC, 2020)





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Impact of COVID-19 in Republic of Ireland

Schools:

- Schools opened in Republic of Ireland end August 2020.
- Children wear masks up to age 13 years.
- Government data shows no significant increase in cases.
- Children aged 4 – 18 years = 14.3% of all covid-positive cases since August 2020.

Hospitals:

- Agreed pathways in hospitals (Red for covid-positive/high-risk; Green for covid-negative/low-risk).
- Covid testing performed in Emergency Departments before admission.
- One parent only permitted to stay with child.



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Impact of COVID-19 in Republic of Ireland

Paediatric mental health implications:

“The growing levels of anxiety, stress and depression documented among the adult population are likely to be mirrored, if not amplified, among children and young people, given the patterns found of greater difficulties among young adults. Some children and young people will experience greater psychological difficulties than others. Evidence from the aftermath of traumatic events such as natural disasters suggests that, for many, these effects can be long-lasting. The scale of difficulties is likely to be such that addressing them through existing child and adolescent mental health services may not be feasible.” (ESRI, 2020; www.esri.ie)

Impact of COVID-19 in Republic of Ireland



- **Healthcare worker:** 27% covid-positive cases are nurses working in acute settings (HPSC, Sept. 2020) resulting in extended periods of recovery for nurses, include fatigue (65%), cardiorespiratory issues, headaches and mental health problems (INMO, 2020).
- **Current challenges:** Understaffing and recruitment issues, bed capacity, employer derogation of asymptomatic nurses who are close contacts, childcare issues, consistent increase in covid-positive cases, HCW testing and results delay, PPE.



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Impact of COVID-19 in Republic of Ireland



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Pediatric Nurses Association of Europe
36th meeting online
Slovenia – October 2020

Ingrid Hankes Drielsma
The Netherlands



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COVID 19 Paediatrics in the Netherlands

- In May 2020 all daycare centers and elementary schools opened up.
- Very few children sick and are known not to spread even if they test positive.
- After summer high schools and colleges opened.
- Kids between 13 and 18 do get Mild COVID 19 and are spreaders. Many old schools have inadequate ventilation and social distance is not kept.
- Now new rule : mask wearing outside the classrooms.
- COVID 19 in the big cities is going up.
- The super spreaders are the young people 18 -29



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Update COVID 19 in Paediatrics in the Netherlands

- Very few children fall ill due to COVID 19 = 1-5% in 1 million patients.
- In June Netherlands only had a total of 20-30 kids with Kawasaki type symptoms. Some showed a negative on COVID 19 and some positive.
- Some first negative and later positive. (Presumably negative due to low viral load which makes detection hard).
- Pregnancy and vertical transmission via placenta non existent with COVID 19.
- Horizontal transmission after birth possible but very small chance. (217 children in 27 studies show transmission in 5 %. Few neonates sick, none died.)



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Update COVID 19 in Paediatrics in the Netherlands

- At this moment in the Netherlands several studies related to COVID 19 within Paediatrics
- COVID 19 in Paediatric Patients (COPP)-study Children with symptoms like RS virus and children with Kawasaki type symptoms possibly related to COVID 19 are included. The look at clinical parameters and follow up.
- COVID milk study. Because 13 weeks after having symptoms of COVID 19 antibodies are found in breastmilk.
(1000 mothers who had or have COVID 19 are asked to donate 100ml of breastmilk.
Aim to see what percentage of the milk has antibodies).
- During COVID 19 Pandemic and lockdown significantly less premature births was seen in the Netherlands as in other Northern European countries. There could be several influencing factors which will be further explored.



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COVID-19 in Italy

Orsola Gawronski

Immacolata Dall'Oglio



COVID19 in Italy

Delayed school openings, insufficient spaces to guarantee social distancing , insufficient professors to reduce the n° of children in classrooms

children and professors at higher risk/fragile children possibly on distance learning

High school children on distance learning at alternate weeks

No school nurses but links with pediatricians from the Italian NHS

Children wearing masks in classrooms if >6 years of age

Education on Covid-19 in schools performed by school professors

Many uncertainties as far as exam settings



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- Thank you to all for your contribution!!