Research Center for Childhood Accidents

kinderchirurgie.at

COVID AND THE LOCKDOWN EFFECT

Peter Spitzer

COVID AND THE LOCKDOWN EFFECT

- Work in local settings / Safe Children Communities
- Tours of the Safety House
- Research / Qualitative Studies
- Research / Quantitative Studies: Impact on the Numbers

Safe Children Communities

KINDERSICHERER BEZIRK

BÄRENSICHER. BÄRENSTARK.
Sei auch du ein Sicherheitsbär!

Safety House

BÄRENBURG
KINDERSICHERHEITSHAUS GRAZ

Awareness via Media

- Youtube Videos
- Press Releases

BABY

UNFÄLLEN KEINE CHANCE GEBEN

Unfälle sind in Österreich die häufigste Todesursache im Baby- und Kleinkindalter. Mehr als die Hälfte davon passiert in den eigenen vier Wänden. NEW MOM hat die Sicherheits-Experten des Vereins „Große schützen Kleine" gefragt: Wie kann man das eigene Heim kindersicher machen und damit unnötige Unfälle verhindern?

Autorin: Eva Sorantin | Fotos: Reer, Hauck, Chicco

GROSSE SCHÜTZEN KLEINE

Kleine Kinder darf man am Pool niemals aus den Augen lassen!

ALLGEMEIN, BÄRENBURG, GROSSE SCHÜTZEN KLEINE, KINDERSICHERER BEZIRK

Jetzt auf youTube: Unfälle vermeiden mit dem Sicherheitsbären!

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COVID AND THE LOCKDOWN EFFECT

- Lesson Learned and Challenge
  - Online Tools
  - Blended Learning

yourstory.com

COVID AND THE LOCKDOWN EFFECT

- Research / Qualitative Studies
  - Face to Face Interviews
  - Questionnaires

COVID AND THE LOCKDOWN EFFECT

- Research / Quantitative Studies
  - StISS Styrian Injury Surveillance System
  - Impact of COVID and Lockdown on the numbers

COVID – TRAUMA – Report

- Source
  - StISS Landeskrankenhaus - Universitätsklinikum Graz
  - Total number of Treatments: 122.266 (0-14y: 25.282)
- Method
  - Timeline: Feb until May
  - Average 2018/2019 vs. 2020
  - 5 Lockdown oberservation periods

Observation Period

- February: pre-lockdown
- March 1 - 15: nearly lockdown (prae)
- March 16 - April 13: lockdown
- April 14 - April 30: nearly lockdown (post) / recovery phase
- May: post-lockdown

Hospital Treatments

Hospital Treatments

Lockdown Phase	2018/2019	2020 changes
Pre (February)	100%	100% (+/- 0)
Nearly (March beginn)	100%	80% (-20%)
Lockdown (March-April)	100%	40% (-60%)
Nearly post (April / end)	100%	54% (-46%)
Post (May)	100%	67% (-33%)

Lockdown - Effect to Age Groups

Lockdown	2018/2019	2020
0-14 years	43,3%	13,5%
15-24 years	44,2%	11,7%
25-64 years	41,2%	17,6%
65+ years	39,4%	21,4%
Standard Range (Feb)	31,6% - 33,9%	

Lockdown - Effect on the Average Age

Lockdown - Effect on Children

Lockdown	2018/2019	2020
0-4 years	39,6%	20,9%
5-9 years	42,6%	14,7%
10-14 years	46,1%	7,9%
Standard Range (Feb)	32,7% - 34,0%	

Lockdown - Effect on Children

Lockdown and Mode of Accident	2018/2019	2020
At Home	38,9%	63,4%
Leisure and Sports	21,4%	11,4%
In Traffic	2,3%	1,2%
At School	10,7%	0,2%
Other / Unspecified	26,7%	23,8%
	100%	100%

Lockdown - Effect on Children

Lockdown and Mode of Accident: „At Home“	2018/2019	2020
0-4 years	56,9%	68,9%
5-9 years	37,2%	63,0%
10-14 years	29,0%	51,9%
15-16 years	24,4%	54,4%

Lockdown - Effect on Children

Lockdown and Mode of Accident: „Leisure and Sports“	2018/2019	2020
0-4 years	4,8%	4,8%
5-9 years	18,5%	16,8%
10-14 years	33,4%	21,5%
15-16 years	36,3%	9,1%

Lockdown - Effect on Children: Average Age

Lockdown - Effect on Children

Lockdown and Hospital Facts	2018/2019	2020
Male / Female	57% / 43%	54% / 46%
Severe Injuries	43,4%	41,7%
Inpatient Rate	6,7%	11,5%
Several Visits	6,9%	3,6%

COVID Online Questionnaire

- 273 parents
- 11% (n=31) accident with first aid at home only
  - 39% would have visited the hospital without lockdown
- 13% (n=36) accident with hospital ER visit
  - 40% were affraid of CoV infection

Lockdown Effect - Summary

- Number of accidents decreased
- Sports and traffic accidents decreased
- Seniors less affected from the lockdown scenario than other age groups
- Lockdown effect two months later still evident

- Fear of infection at ER
- Reduced numbers of minor injuries being treated at ER because parents provide first-aid
- Potential side effect to health: less exercise/sports and more body weight

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