



Universität  
Zürich<sup>UZH</sup>

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# Ciao Corona – Die Rolle der Schulen in der Pandemie



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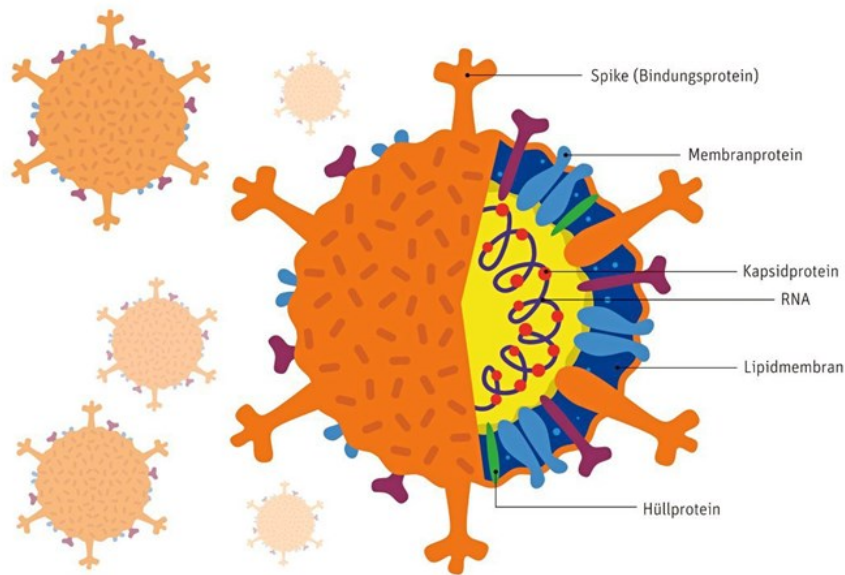
## Es begann in Genf, einem stark betroffenen Kanton

→ Anzahl Infizierte keine verlässliche  
Angabe zur Ausbreitung

Infektionen pro Tag und  
100'000 Personen



## Nachweis der Immunantwort als Beweis einer Infektion



Aufbau des Coronavirus

Reiz- und Angriffspunkte  
für das Immunsystem

Antikörper und  
Abwehrzellen



## Corona Immunitas der Swiss School of Public Health (SSPH+)



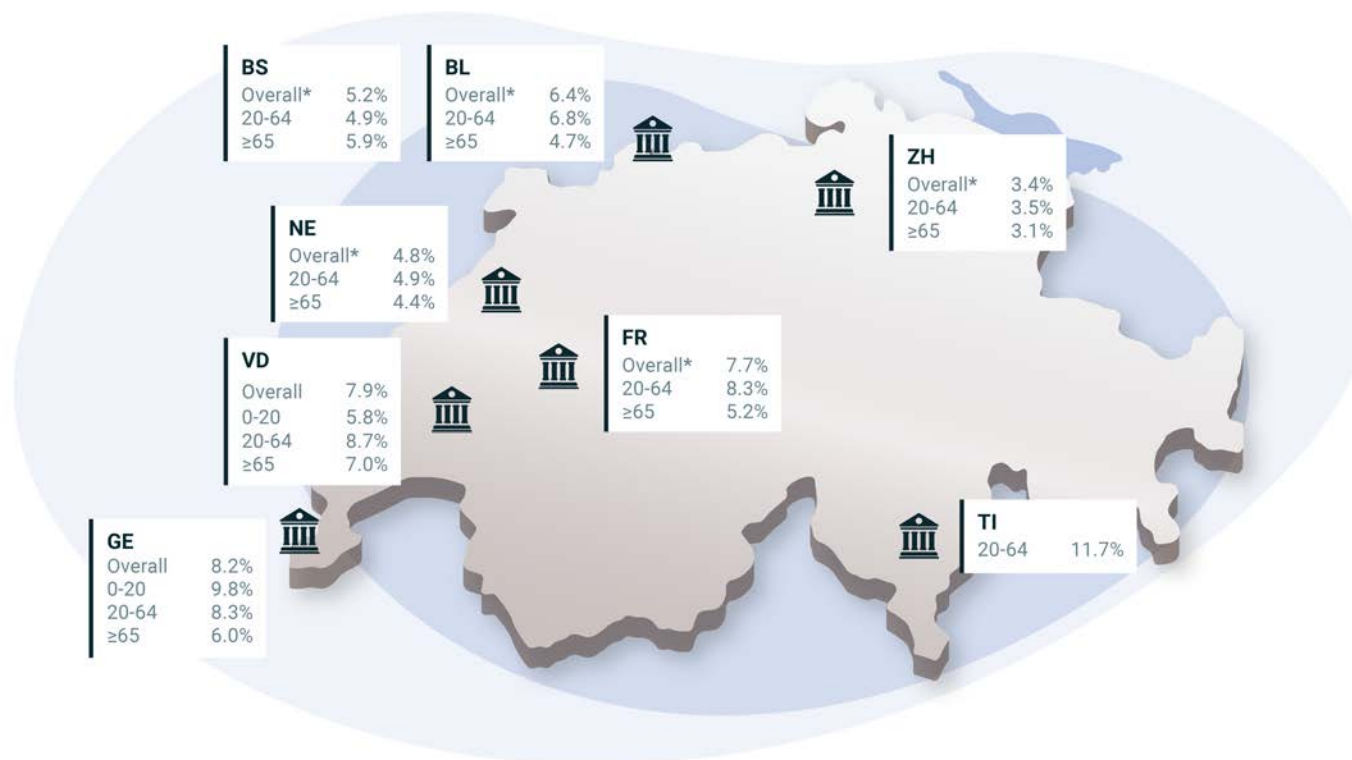


## Übergeordnetes Ziel von Corona Immunitas: Daten als Basis für Entscheide

“Die schweizweite Bestimmung der Corona-Immunität bringt Gewissheit. Und Gewissheit ist die Grundlage für zielführende politische Entscheide in Zusammenhang mit COVID-19.”



## Verbreitung Ende Sommer (Juni-September je nach Region)





\*0 - 20 jährige nicht getestet



## Alle Standorte mit Kernprotokoll aber auch weiteren Studien



<b>Ciao Corona</b>		<b>E2</b>
tested population:	region	
		
school children age 5-16 and school employees	number of tested persons <b>n=10'550</b>	
<b>Main Goal</b> To investigate seroprevalence and its temporal changes, clustering of cases within classes, schools, districts, symptoms, risk factors in a representative cohort of children and adolescents shortly after reopening of the school system and thereafter		



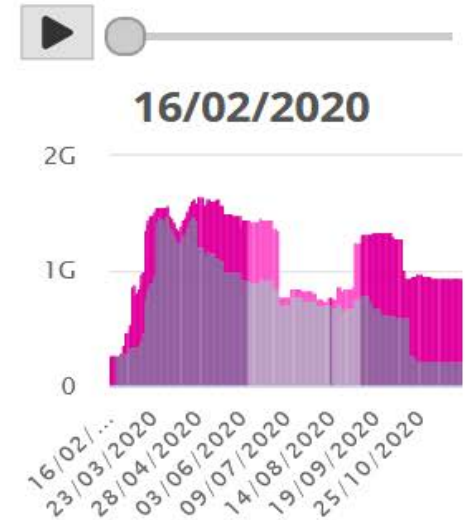


Global monitoring of school closures caused by COVID-19



● Partially open   
 ● Closed due to COVID-19   
 ● Fully open   
 ● Academic break

Visualize evolution over time.

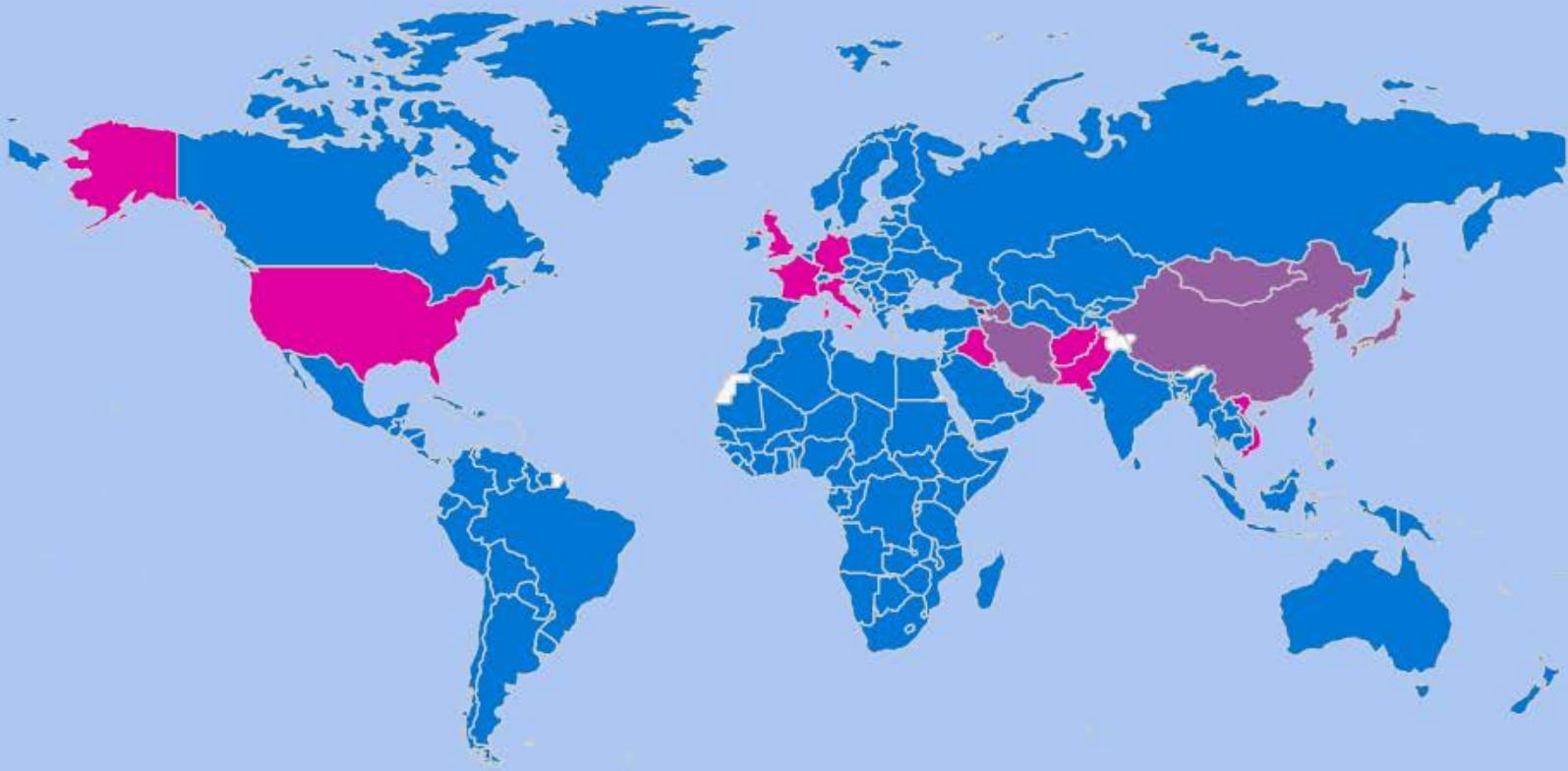
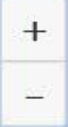


**999,014** affected learners  
**0.1%** of total enrolled learners  
**1** country-wide closures

<https://en.unesco.org/covid19/educationresponse>



# Global monitoring of school closures caused by COVID-19



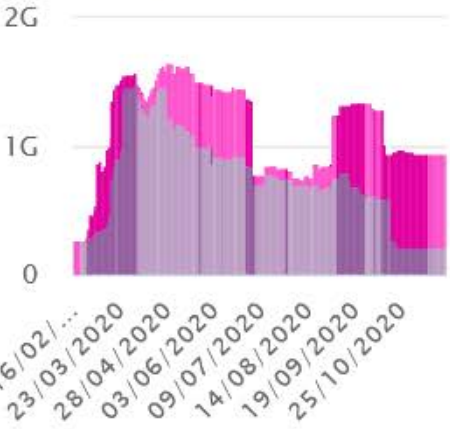
- Partially open
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- Fully open
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Highcharts.com

Visualize evolution over time.



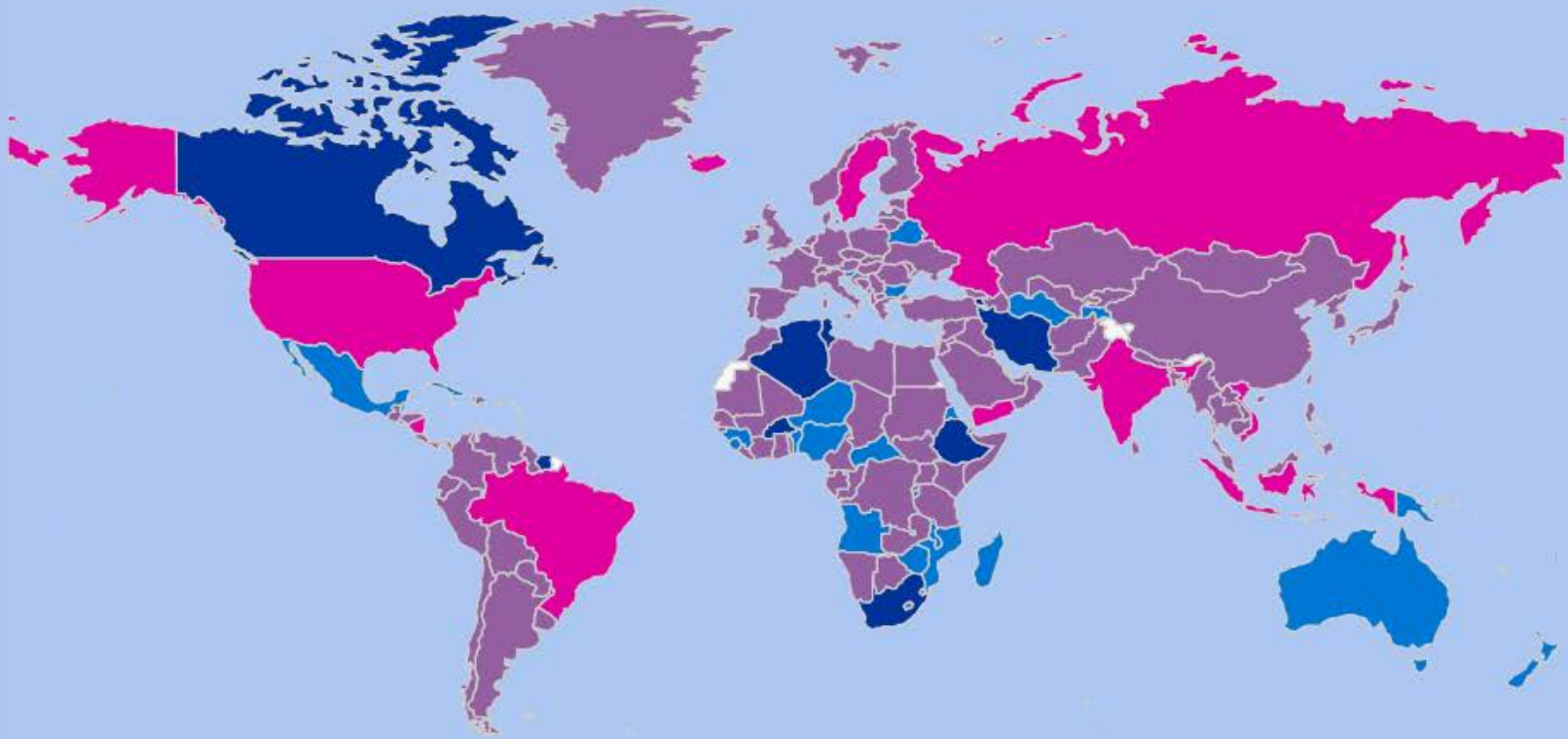
03/03/2020



**338,021,718** affected learners  
**19.3%** of total enrolled learners  
**12** country-wide closures

# Global monitoring of school closures caused by COVID-19

+  
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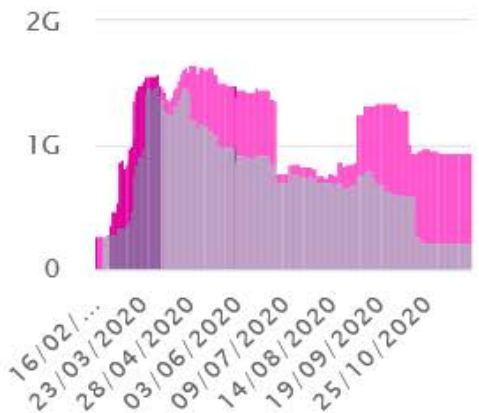
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Highcharts.com

Visualize evolution over time.

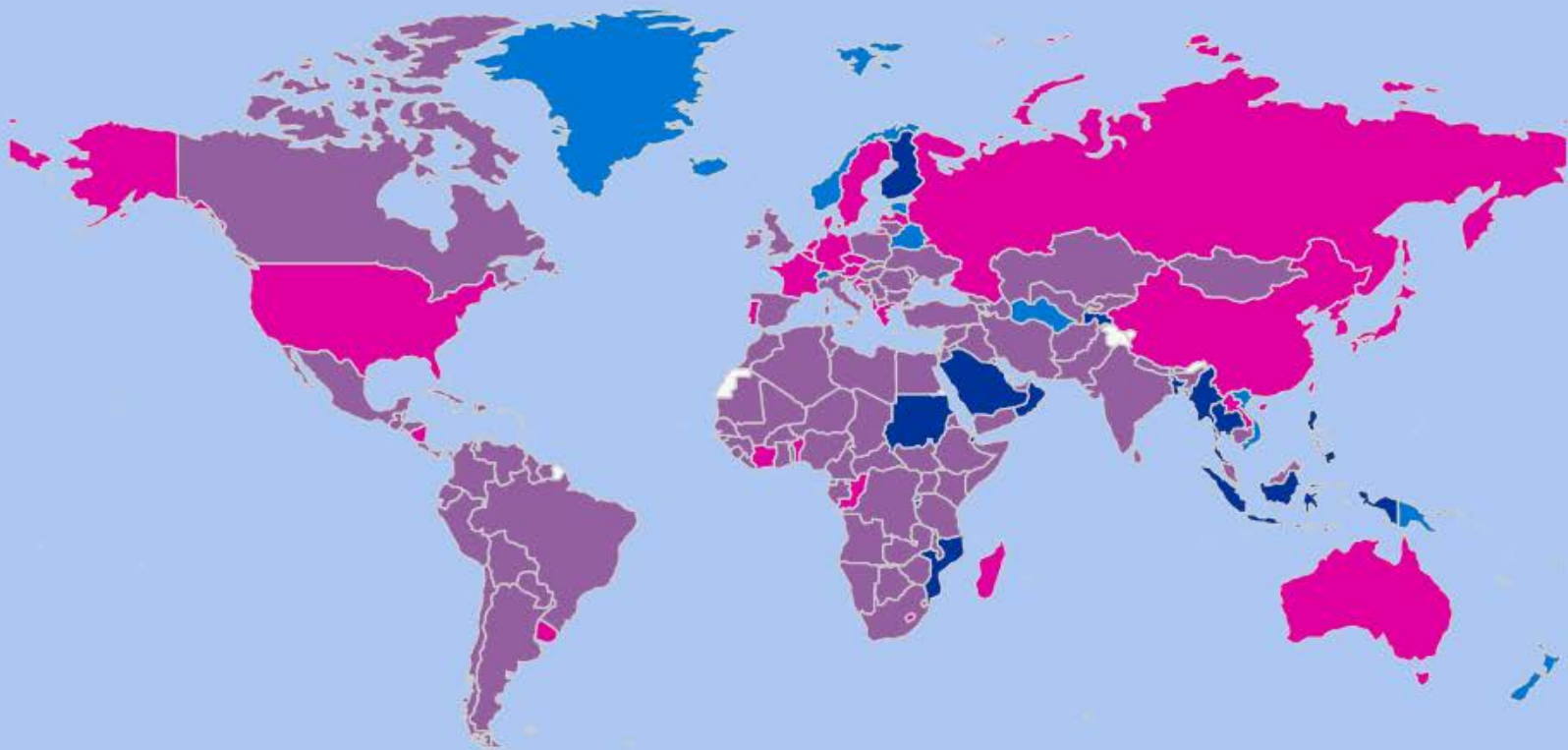


20/03/2020



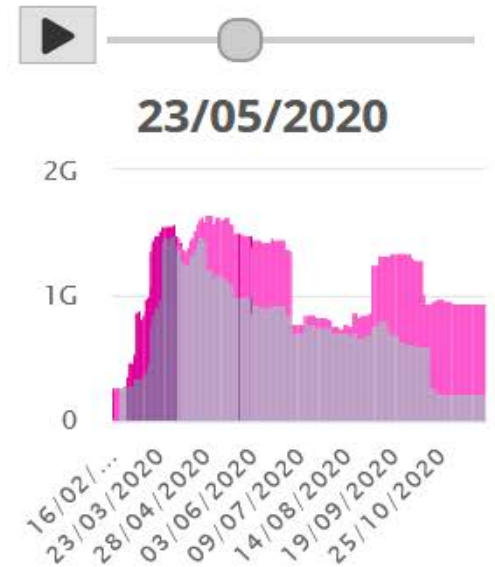
**917,158,950 affected learners**  
**52.4% of total enrolled learners**  
**146 country-wide closures**

# Global monitoring of school closures caused by COVID-19



● Partially open   ● Closed due to COVID-19   ● Fully open   ● Academic break

Visualize evolution over time.

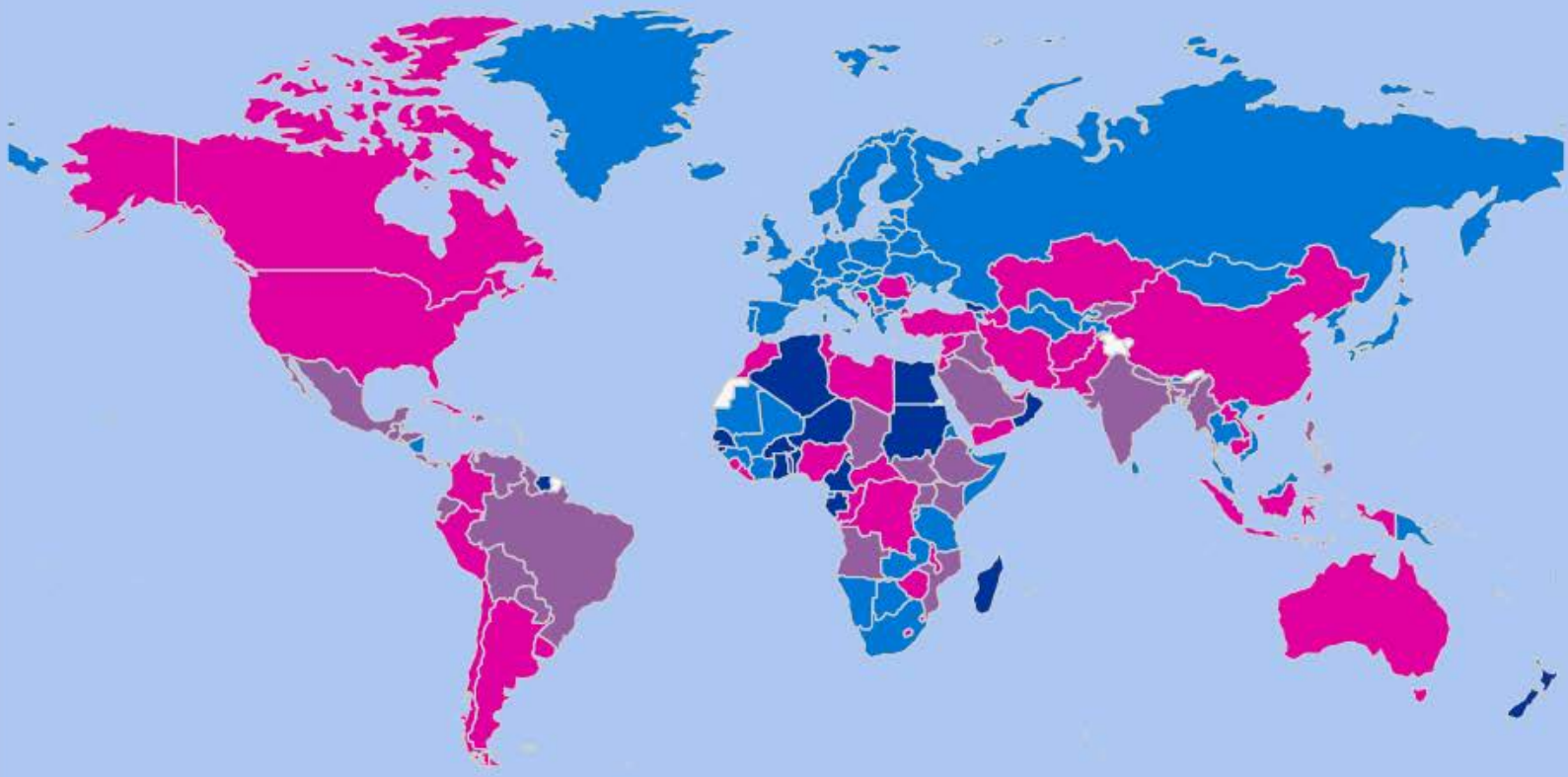


**998,904,069** affected learners  
**57.1%** of total enrolled learners  
**134** country-wide closures

Highcharts.com



# Global monitoring of school closures caused by COVID-19



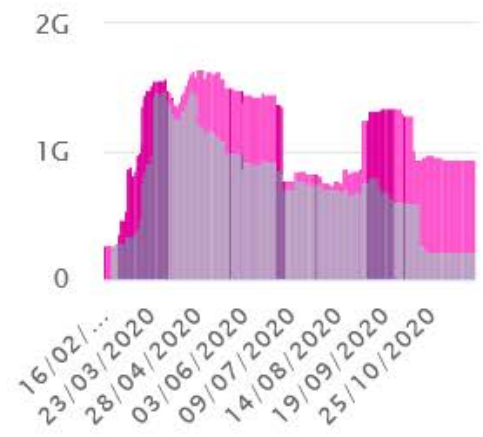
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Highcharts.com

Visualize evolution over time.

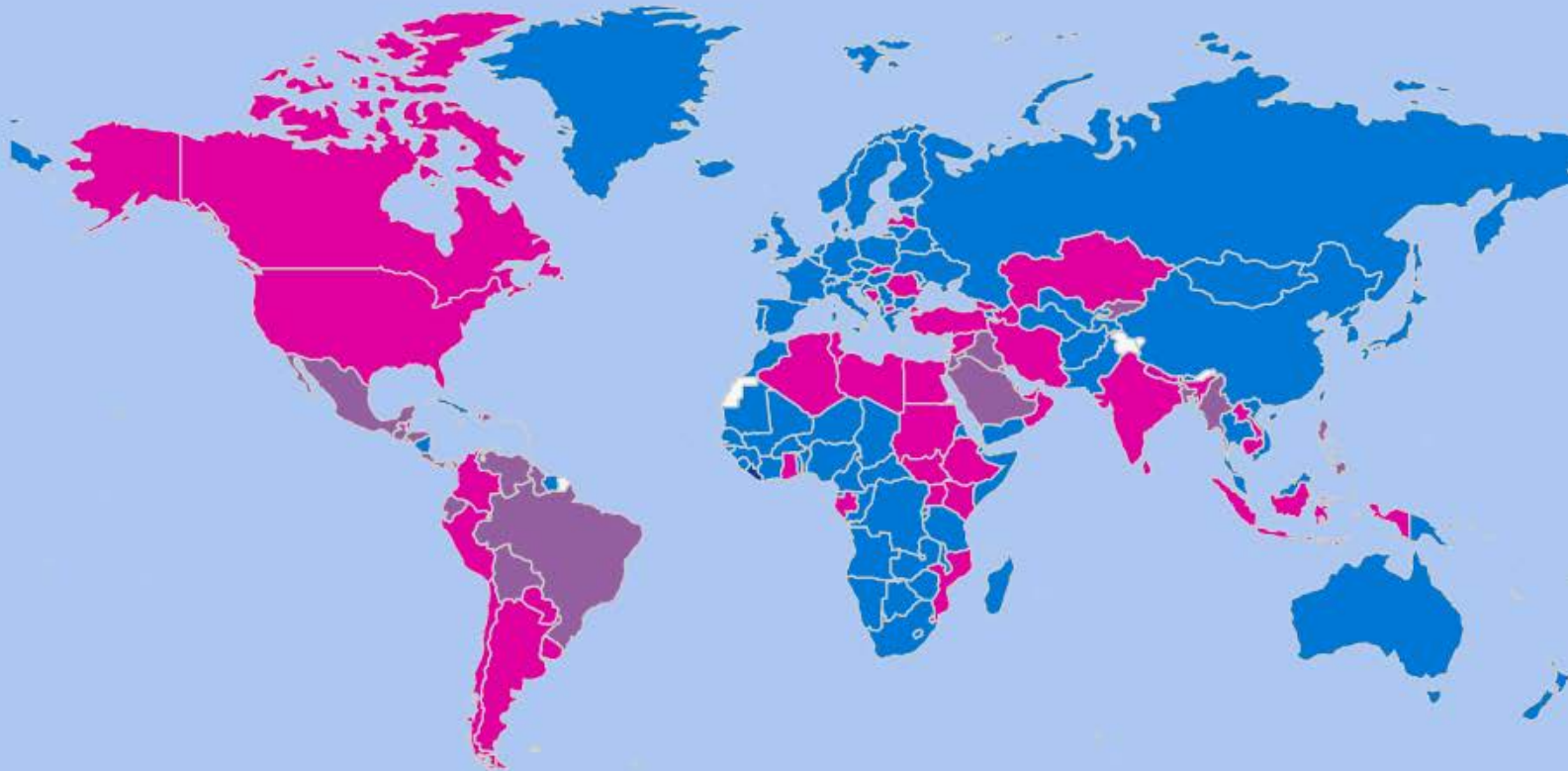


**26/09/2020**



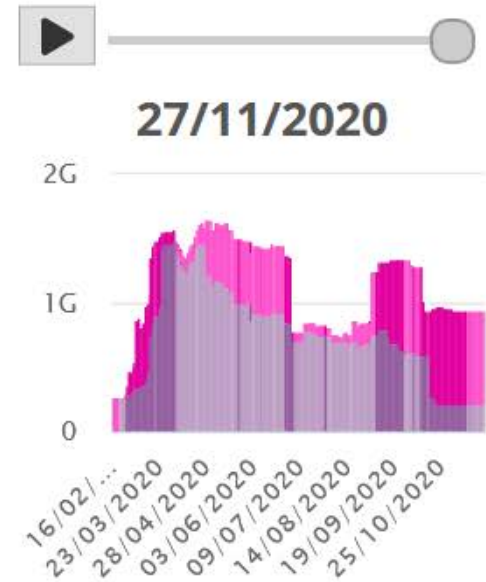
**631,213,410** affected learners  
**36.1%** of total enrolled learners  
**38** country-wide closures

## Global monitoring of school closures caused by COVID-19



● Partially open   ● Closed due to COVID-19   ● Fully open   ● Academic break

Visualize evolution over time.



**224,068,338** affected learners  
**12.8%** of total enrolled learners  
**23** country-wide closures

# The New York Times

## *Why Is Europe Keeping Its Schools Open, Despite New Lockdowns?*

Europe's latest wave of restrictions to stop the spread of coronavirus have largely avoided closing schools. We take a look at why and how they are being kept open.





## Die Balance zwischen Infektionskontrolle und Bedeutung von Schulen

### Schliessung / online Schule

Übertragung in Schulen

Risiko für Hotspots

Hoher Beitrag zu Mobilität



### Offene Schulen

Recht auf Bildung

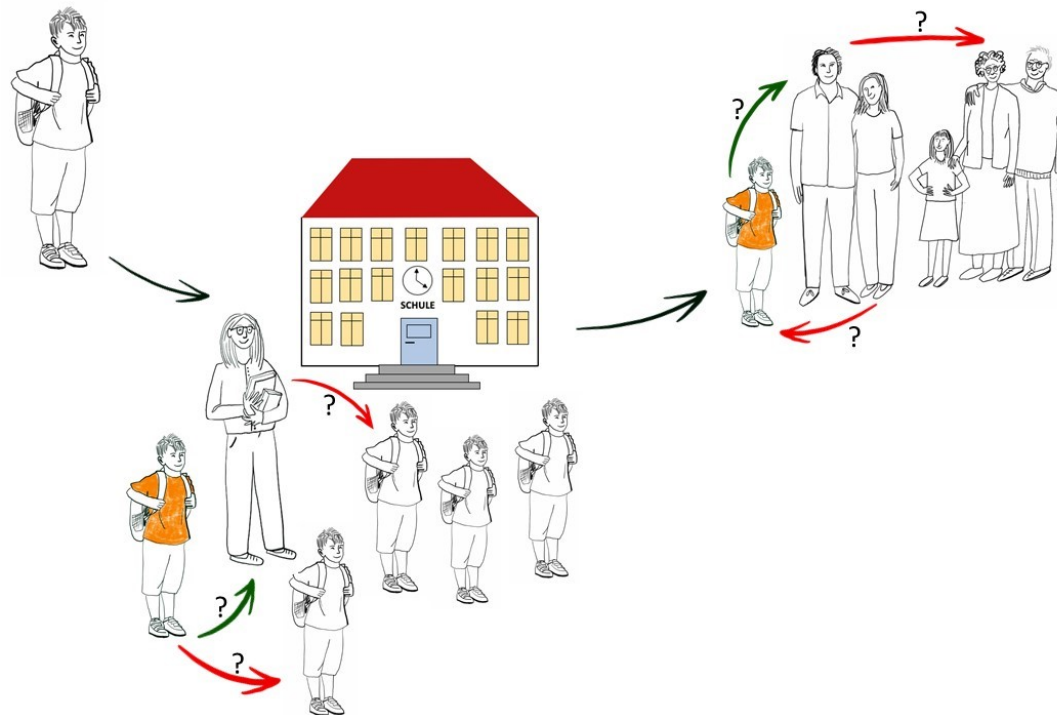
Chancen (Un-) Gleichheit

Häusliche Gewalt

Arbeit Eltern / Wirtschaft



## Populationsbasierte, repräsentative Schulstudien nötig



## Ziel: 55 Schulen mit Schülern aus Unter-, Mittel- und Oberstufe





SSPH+ Corona-Test: Wie geht das? Dean und Dylan erzählen es dir genauer, schau rein.



Link kopieren

# CORONA-TEST

WIE GEHT



0:02 / 2:04



YouTube



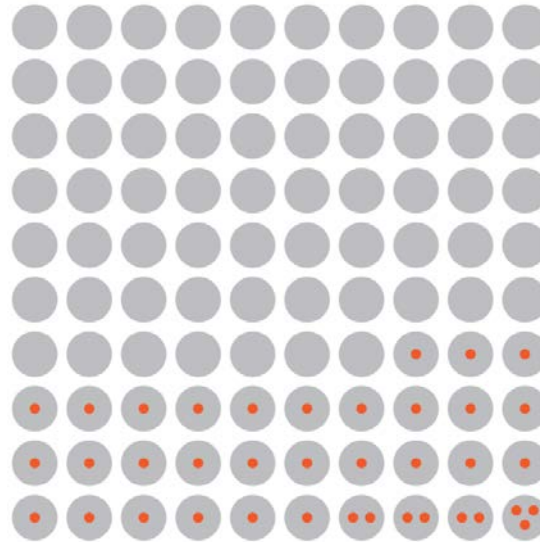




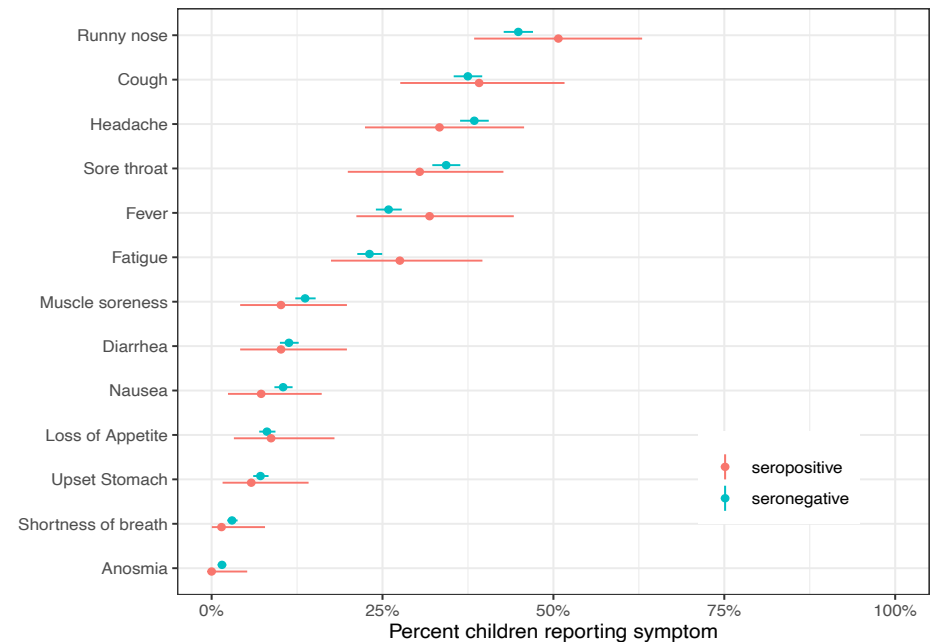
## Ausbreitung bis zum Sommer

- **3% aller rund 2500 Kinder hatten Infektion**
- **Gleich wie bei Erwachsenen**
- **Infektion scheint v.a. aus dem Haushalt zu stammen**

## Kein clustering in Klassen



## Symptome geben keinen Hinweis auf Infektion





Ciao Corona - Die 2. Testreihe geht los, hier erfährst du alles was zu dazu wis...



Später ansehen



Teilen

# CIAO CORONA

## 2. TESTREIHE



0:04 / 2:21



YouTube





## Grosser Dank an die Schulen und das Ciao Corona Team



Susi Kriemler - Studienleiterin



Thomas Radlke - Studienleiter



Milo Puhan - Institutsleiter



Agnė Ulyte - UZH Mitarbeiterin



Ruedi Jung - UZH Mitarbeiter



Dagmar Stein



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Sophie Baur



Seraina Hanselmann



Tilo Taslimi



Jacob Blankenberger



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