

2020

CHILD ONLINE SAFETY INDEX

A REPORT BY:

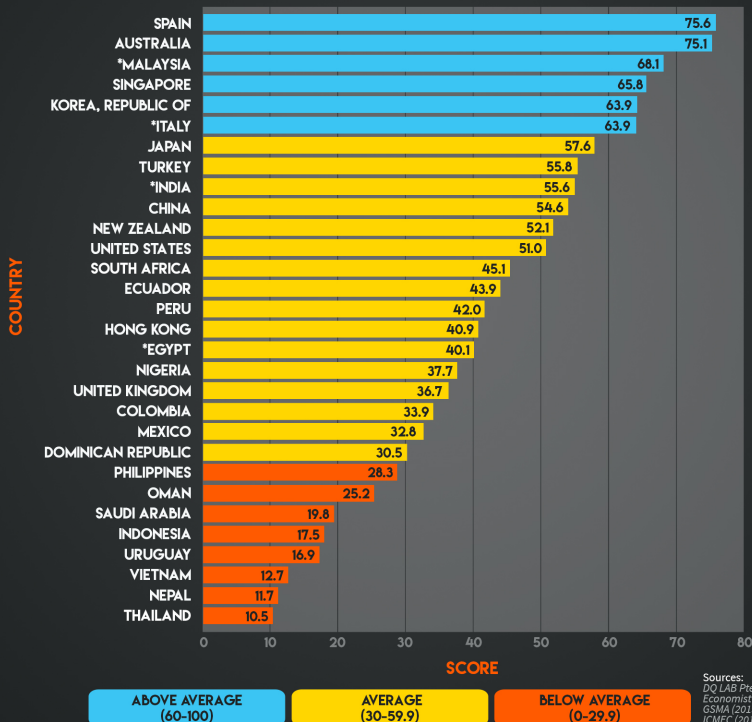
DQInstitute™

#DQEverychild™ in collaboration with:



2020 CHILD ONLINE SAFETY INDEX

WHICH COUNTRIES HAVE THE BEST ONLINE SAFETY FOR CHILDREN?



* Sampling of this country was biased in favor of private schools.
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Sources:
DQ LAB Pte Ltd (2017-2019)
Economist Intelligence Unit (2019)
GSM (2019)
/CMEC (2018)
ITU (2018-2019)
Ookla (2019)

CHILDREN ARE FACING A "CYBER-PANDEMIC" (8-12 YEARS OLD)

17%

**EXPERIENCED
RISKY CONTACT**

(OFFLINE MEETING WITH
STRANGERS OR SEXUAL
CONTACT)

39%

**EXPERIENCED
REPUTATIONAL
RISKS**

29%

**EXPOSED TO
RISKY CONTENT**

(VIOLENT OR SEXUAL)

45%

**AFFECTED
BY CYBER-
BULLYING**

13%

**AT RISK FOR
GAMING
DISORDER**

7%

**AT RISK FOR
SOCIAL MEDIA
DISORDER**

**OF 8-12 YEAR-OLD
CHILDREN ONLINE ARE
EXPOSED TO CYBER
RISKS TODAY**

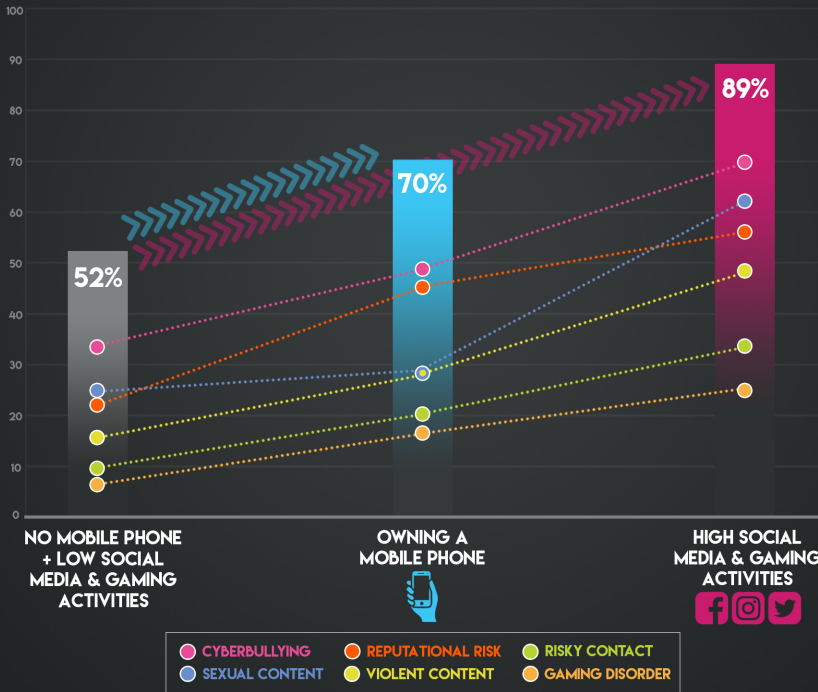
28%

**EXPERIENCED
CYBER
THREATS**

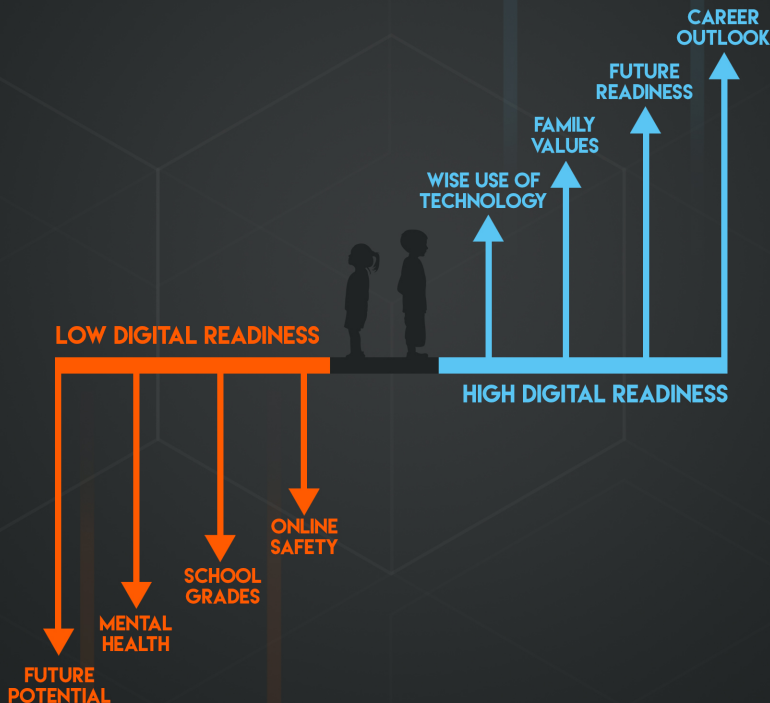


**OWNING A
MOBILE PHONE
INCREASES RISKS
BY ~20%**

**HIGHLY ACTIVE
SOCIAL MEDIA &
GAMING INCREASES
RISKS BY ~40%**



CHILD ONLINE SAFETY EMPOWERS FUTURE READINESS, HEALTH, AND POTENTIAL



THE CHILD ONLINE SAFETY INDEX (COSI) FRAMEWORK

3
GUIDING
CONSTRUCTS

ALL PILLARS ARE IMPORTANT. GEOMETRIC MEANS WERE USED TO AGGREGATE THESE SUB-INDICES INTO THE COSI.

WISE USE

EMPOWERMENT

INFRASTRUCTURE

6
PILLARS

CYBER RISKS

DISCIPLINED
DIGITAL USE

DIGITAL
COMPETENCY

GUIDANCE &
EDUCATION

SOCIAL
INFRASTRUCTURE

CONNECTIVITY

ARITHMETIC MEANS WERE USED TO AGGREGATE THE INDICATORS INTO EACH SUB-INDEX

- CYBERBULLYING
- DISORDERED USE OF TECHNOLOGY
- RISKY CONTENT
- RISKY CONTACTS
- CYBER THREATS
- REPUTATIONAL RISKS

- EXCESSIVE SCREEN TIME
- HIGH SOCIAL MEDIA & GAMING ACTIVITY
- MOBILE OWNERSHIP FOR CHILDREN

- DIGITAL CITIZEN IDENTITY
- SCREEN TIME MANAGEMENT
- CYBERBULLYING MANAGEMENT
- CYBER SECURITY MANAGEMENT
- DIGITAL EMPATHY
- DIGITAL FOOTPRINT MANAGEMENT
- CRITICAL THINKING
- PRIVACY MANAGEMENT

- PARENTAL GUIDANCE
- ONLINE SAFETY EDUCATION

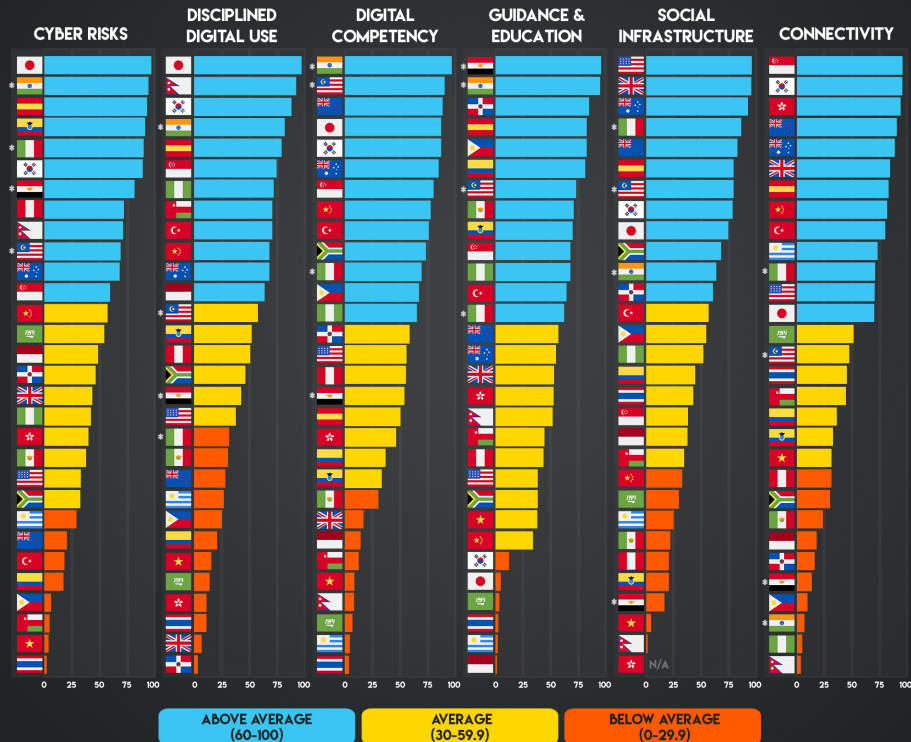
- LEGAL FRAMEWORK
- CYBER SECURITY INFRASTRUCTURE
- INDUSTRY & CIVIC ENGAGEMENT

- ACCESS
- SPEED

24
AREAS

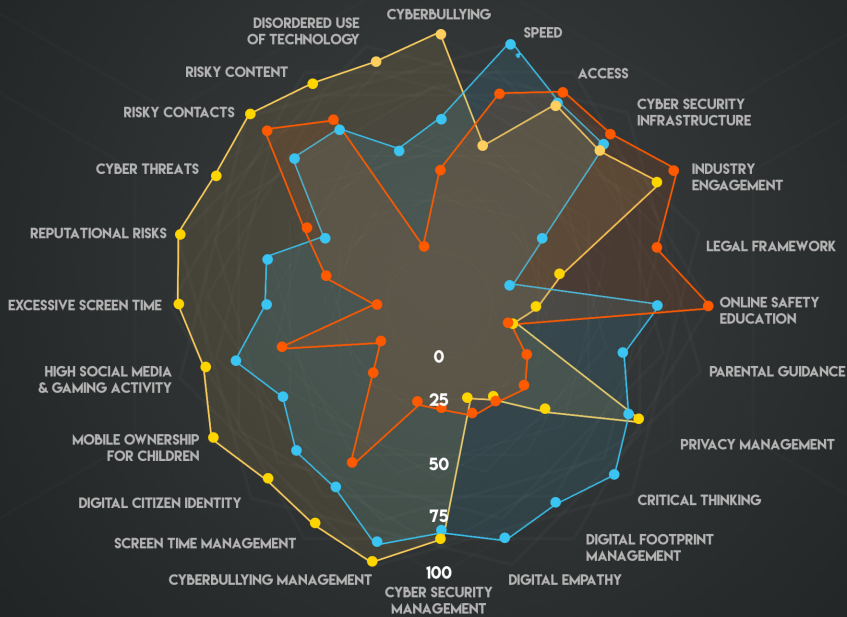
Sources: DQ Institute, Economist Intelligence Unit, Global System for Mobile Communications, International Centre for Missing and Exploited Children, International Telecommunication Union, and Ookla.

COUNTRY'S PERFORMANCE ON THE 6 PILLARS OF COSI



NATIONAL COMPARISONS WILL HELP NATIONS IDENTIFY STRENGTHS AND WEAKNESSES BASED ON GLOBAL BENCHMARKS

CASE STUDY: SINGAPORE, JAPAN, UNITED KINGDOM



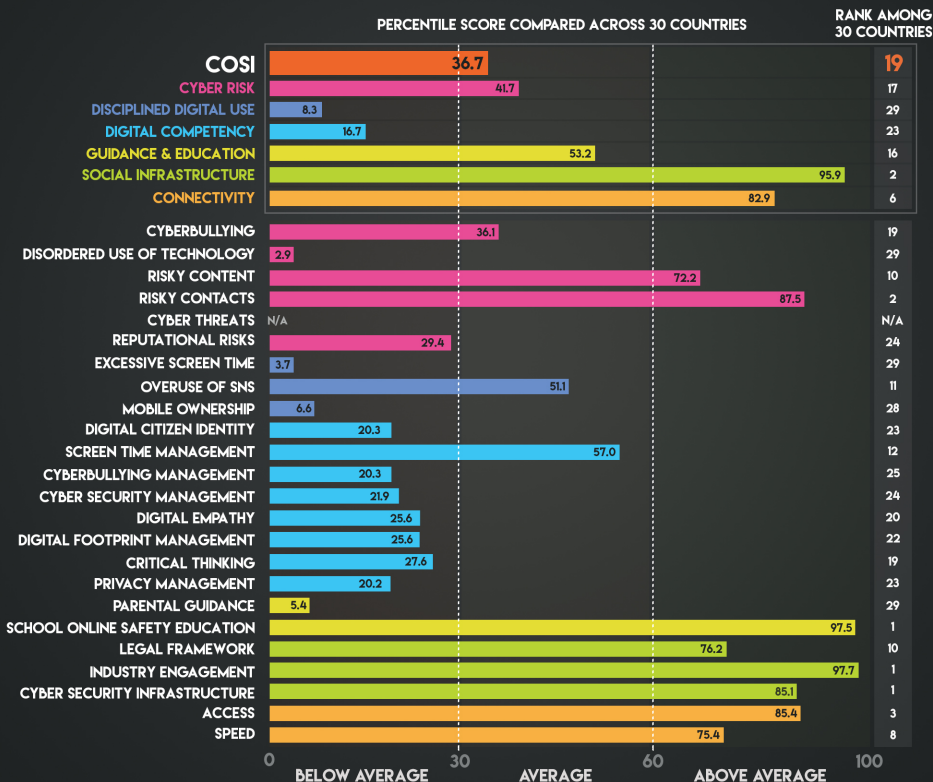
SINGAPORE

JAPAN

UNITED KINGDOM

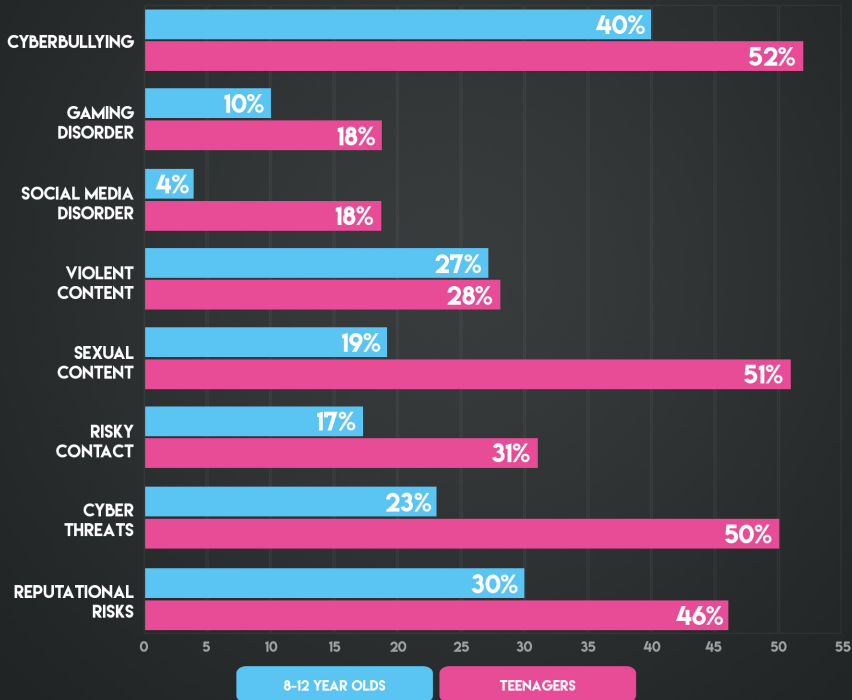
IDENTIFY PRIORITIES FOR IMPROVEMENT

CASE STUDY: 2020 UNITED KINGDOM COSI



WHICH CYBER RISKS ARE YOUR CHILDREN EXPOSED TO?

CASE STUDY: SINGAPORE



IN ORDER TO MITIGATE CYBER RISKS...

1. ENCOURAGE DISCIPLINED DIGITAL USE

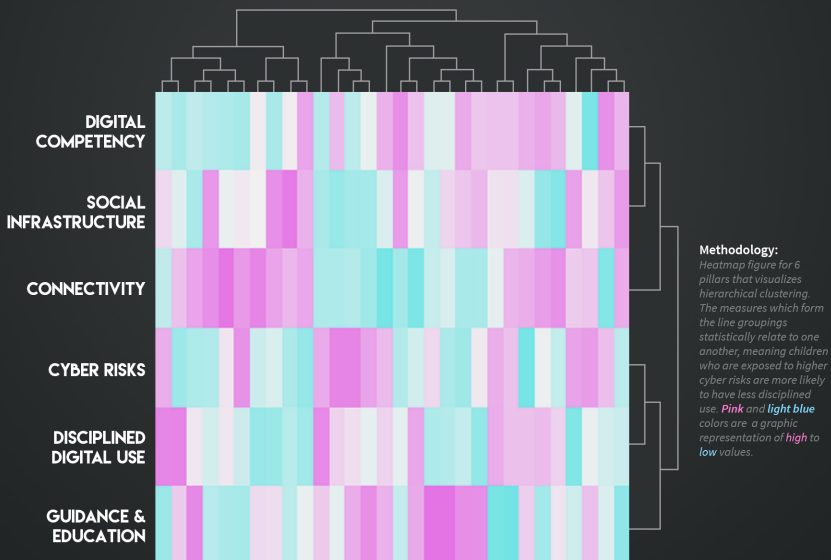
Control screen time and mobile usage especially for younger children.

2. PARENTS AND TEACHERS MATTER

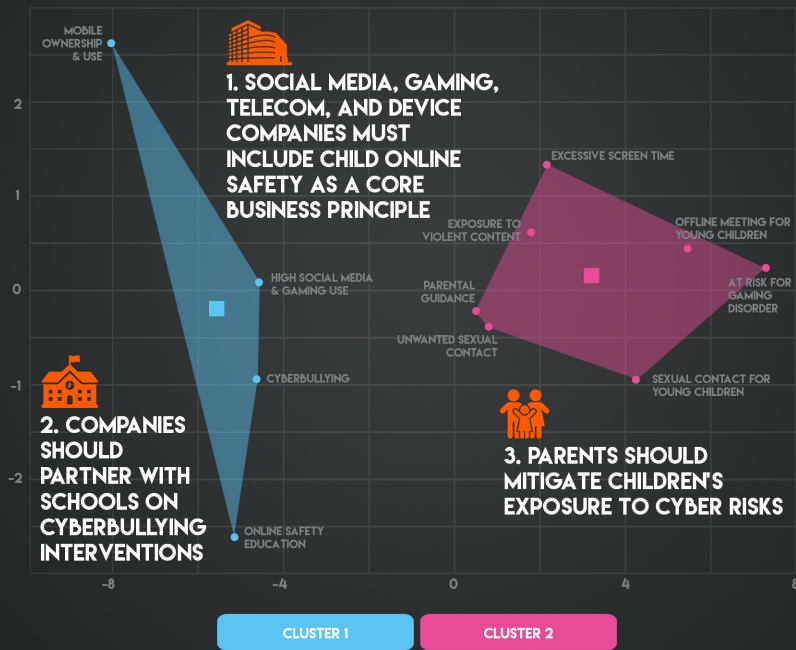
Both must actively engage with children's digital lives.

3. GOVERNMENTS AND INDUSTRY ARE RESPONSIBLE

National policies and industry engagement must support digital citizenship education.



YOU CAN MAKE A DIFFERENCE



*Cluster analysis involves statistically identifying groups of measures which relate to one another. These clusters depict issues which may be connected.

#DQEVERYCHILD WORLDWIDE IMPACT

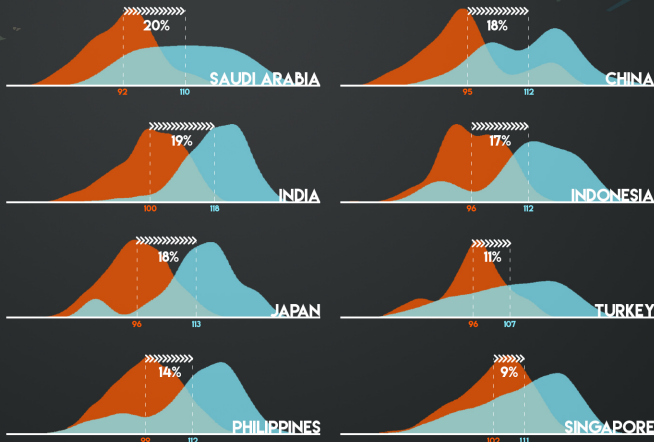
80+
COUNTRIES

100+
PARTNERS

1 MILLION+
CHILDREN

DQ EDUCATION
IMPROVES DIGITAL
COMPETENCY

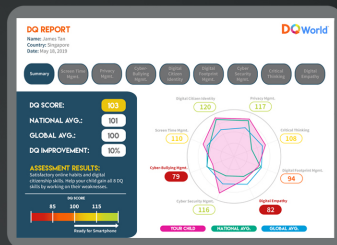
10%
IMPROVEMENT
IN DQ SCORE



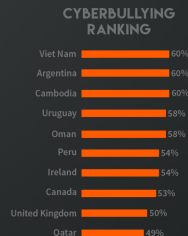
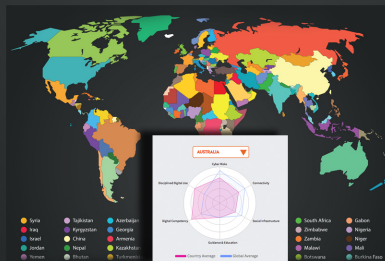
WITHOUT DQ EDUCATION

WITH DQ EDUCATION

DQ REPORT



CHILD ONLINE SAFETY INDEX & GLOBAL DATABANK



LIMITATIONS OF THE 2020 COSI

DUE TO THE NATURE OF OUR DATA WHICH IS FROM #DQEVERYCHILD:

- AS A CONVENIENCE SAMPLE, COSI DATA MAY NOT BE NATIONALLY REPRESENTATIVE
- IN SOME COUNTRIES SUCH AS EGYPT, INDIA, ITALY, AND MALAYSIA, SAMPLING WAS BIASED IN FAVOUR OF PRIVATE SCHOOLS
- SAMPLE SIZES VARIED ACROSS COUNTRIES (MAX. 47,571 - MIN. 384)
- THE RESULTS ARE COMBINED FROM 2017-2019 AS WE DID NOT FIND SIGNIFICANT CHANGES OVER TIME
- AS WITH THE INAUGURAL COSI, THE SCORES ARE STANDARDIZED AND RELATIVE ACROSS THE THIRTY COUNTRIES TO ENSURE EQUAL WEIGHTING AMONG THE MEASURES.

**CHECK OUT YOUR COUNTRY'S
2020 COSI AND FULL REPORT @**

WWW.DQINSTITUTE.ORG/CHILD-ONLINE-SAFETY-INDEX