# The COVID-19 impact on Consumption in Real Time and High Definition A Big Data BBVA Research Project

**Monthly presentation** 

May, 2021

Colombia

Peru

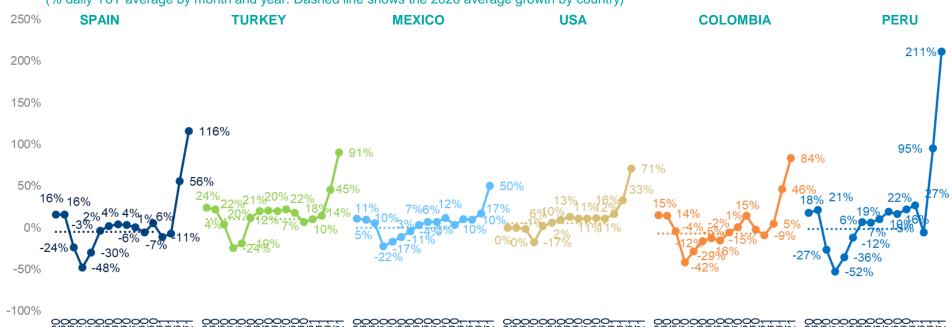
## Consumption growth marked his highest peak during April compared with last year lockdowns

#### BBVA RESEARCH BIG DATA CONSUMPTION INDICES: TOTAL CONSUMPTION EVOLUTION IN 2020 AND 2021

(% daily YoY average by month and year. Dashed line shows the 2020 average growth by country)

Turkey

Spain



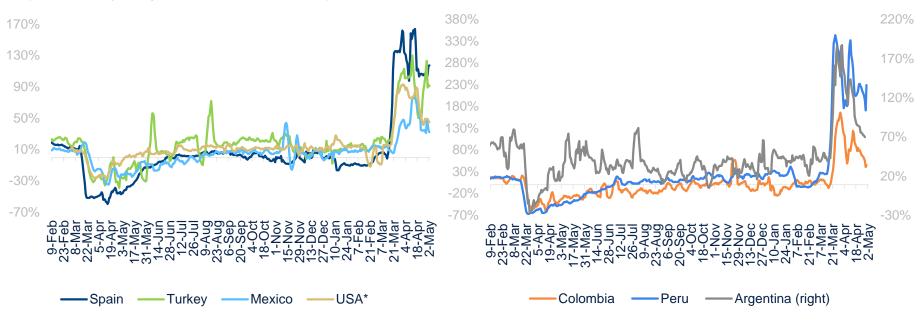
USA

Mexico

### The acceleration of consumption continued in April in most of the countries until the end of the month

#### BBVA RESEARCH BIG DATA CONSUMPTION INDICES

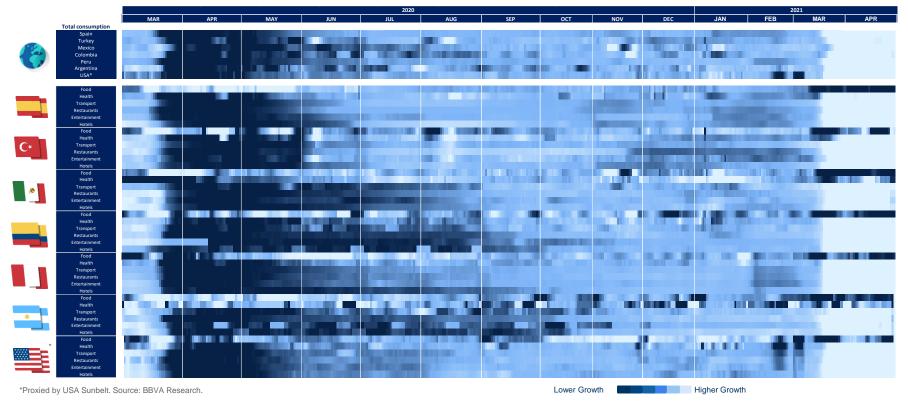
(Total consumption by card, % YoY, 7D cumulative)



Source: BBVA Research. \* Proxied by USA Sunbelt

### Consumption Diffusion Heat Map: these increasing growth rates are observed across all countries and sectors

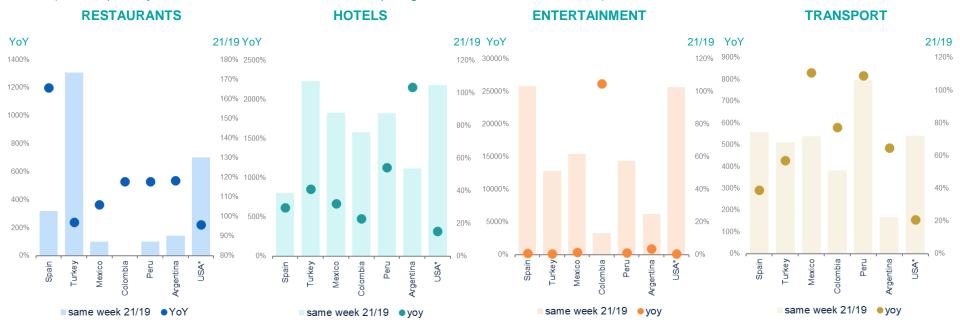
BBVA RESEARCH BIG DATA CONSUMPTION HEAT MAP (YoY, 7D cumulative)



## The recovery is uneven across sectors and countries. Sharp increases in yoy terms, even with the comparison with the pre covid-19 period

#### BBVA RESEARCH BIG DATA CONSUMPTION INDICES IN APRIL

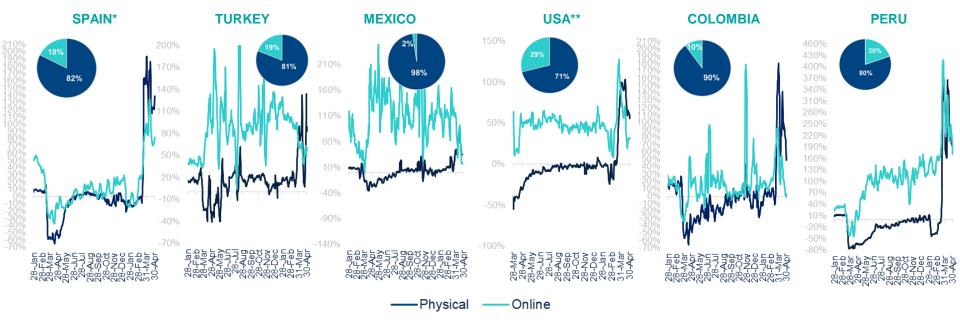
(Consumption by card, % YoY and ratio 2021/2019 comparing the same week, 7D cumulative)



## Technology matters: the gap between e-commerce and physical purchases keeps in most of countries

#### BBVA RESEARCH BIG DATA CONSUMPTION INDICES: PHYSICAL VS ONLINE

(Total consumption by Point of Sales. % YoY, 7D cumulative. Pie chart reflects the proportion of online and physical purchases in 2019)

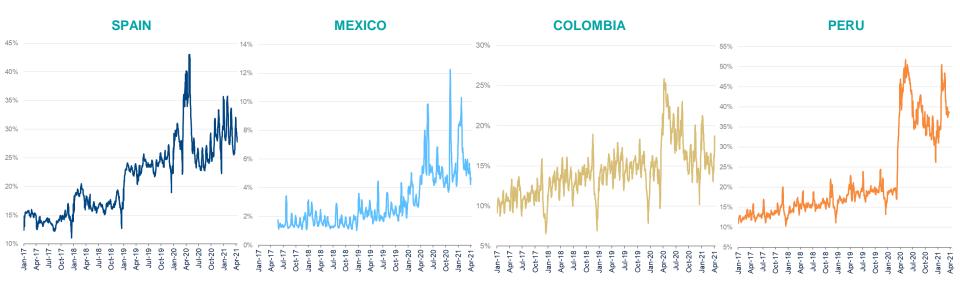


Source: BBVA Research.\* In the case of Spain, the online series considers non physical data, which includes online purchases, as well as purchases done by call, mobile phone using apps, by postal code or online suscriptions. \*\* USA = Proxied by USA Sunbelt.

## Technology matters: online purchases increased significantly with respect to the total in all the countries with a no return trend

#### BBVA RESEARCH BIG DATA CONSUMPTION INDICES: ONLINE EXPENDITURES SHARES

(% of online purchases with respect to total purchases)





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