

PTOLEMUS Consulting Group

Global UBI market dashboard



Presentation and sample

London - 6th February 2018 - PTOLEMUS intellectual property

The consulting & research firm for the connected world

Consulting services

Strategy
definition

Investment
assistance

Procurement
strategy

Innovation
management

Business
development

Deployment

Market research services



Fields of expertise

Mobility services

Car pooling
Car sharing
Smart parking

Multimodal
mobility
Ride hailing

Road side
assistance
Tax refund

Vehicle services & telematics

bCall
eCall
FMS
SVT / SVR

Tracking
VRM
In-car Wi-Fi
Fuel cards

Parking
Navigation
Speed cameras
Traffic information

Usage-based charging

Car As A Service
Electronic Toll
Collection

Mobility-as-a-
Service
Road charging

UBI / PAYD
Vehicle rental
Vehicle leasing

Vehicle data & analytics

AI
CAN-bus
Crowd-sourcing
Data protection

Driving behaviour
OBD
Predictive
analytics

Remote
diagnostics
xFCD

Vehicle automation

ADAS

Autonomous
cars

Autonomous
trucks

Enabling technologies

Positioning (GNSS
/ WiFi / cellular)

M2M /
connectivity
Smartphones

Telematic devices
V2X

Our clients are across the mobility ecosystem

Analytics, maps & applications providers



Automotive manufacturers & suppliers



Telematics solution providers



Mobile telecom operators



Fleet & fuel, ITS & regulators



Device & location suppliers



Insurers, aggregators & assistance providers



Banks & private equity investors



PTOLEMUS brings unparalleled depth of knowledge in connected and autonomous vehicle services



The reference reports on UBI, quoted by The Economist, the Financial Times and the Wall Street Journal

The most comprehensive research on insurance analytics

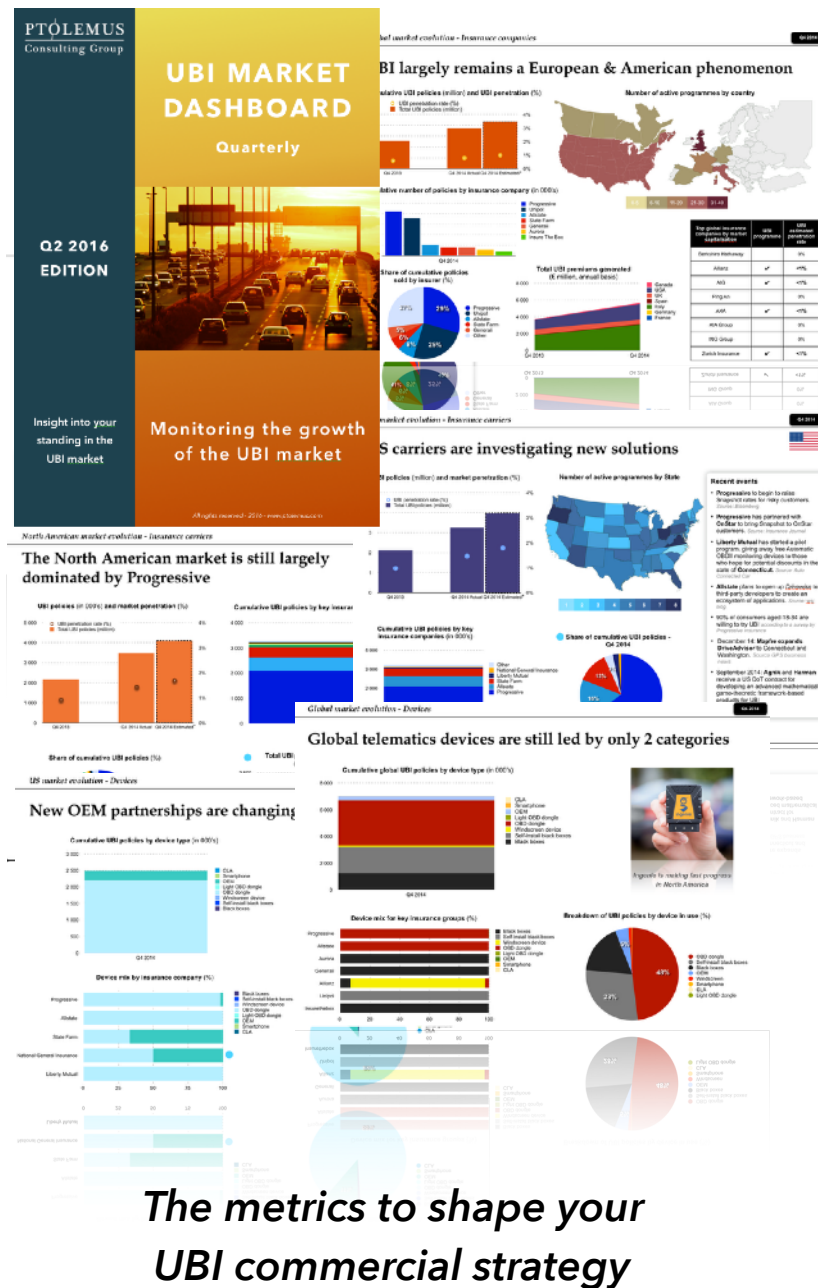
The most thorough analysis of ADAS and AVs

Referenced figures and forecasts for 14 connected car services

The reference on vehicle payment services

Reinventing fleet management

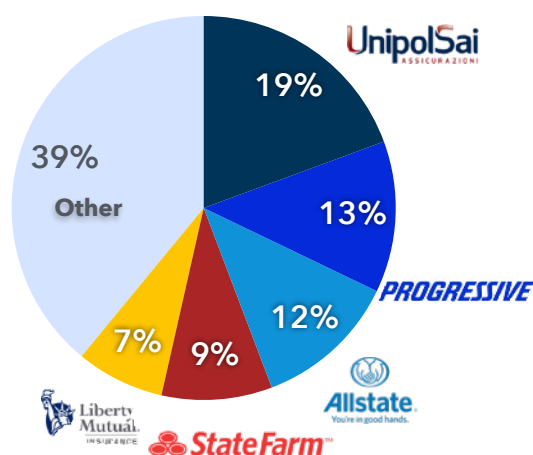
Our quarterly UBI dashboard monitors the market metrics every quarter in 17 countries/ areas



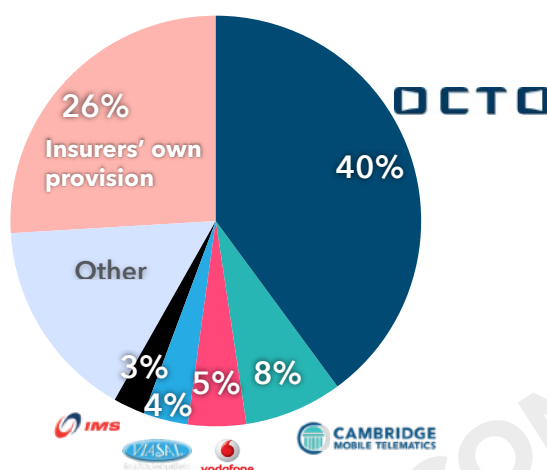
- **110-page barometer of the global UBI industry**
 - Covers 360 companies
 - Issued on a quarterly basis
 - 300+ charts, tables & figures
- **A global dashboard covering**
 - Advanced markets: US, Canada, France, Germany, Italy, Spain, UK
 - Emerging markets: APAC, Benelux, China, Latin America, Russia, the Nordics, other European markets
- **Leverages both public information and primary research**
 - A large set of public information collected from conferences, desk research, etc.
 - Supplemented and validated by primary research & data (Interviews, supplier questionnaires, own market forecasts, etc.)
- **Brings all key market news**
- **Estimates UBI volumes and sales for all main players**
 - Insurance companies
 - TSPs
 - Technology providers
- **Deciphers the key market trends**
 - UBI penetration
 - Number of programmes
 - Mix by business model (PAYD, PHYD, TBYP, etc.)
 - Market share of all main insurers, TSPs and device makers
 - Technology mix (Black boxes, OBD, apps, etc.)
 - Business line mix
 - Segment mix (Young drivers, mature drivers, etc.)
 - Channel mix aftermarket / OEM

The global UBI market grew 6% in Q4, capping off a strong year of steady growth

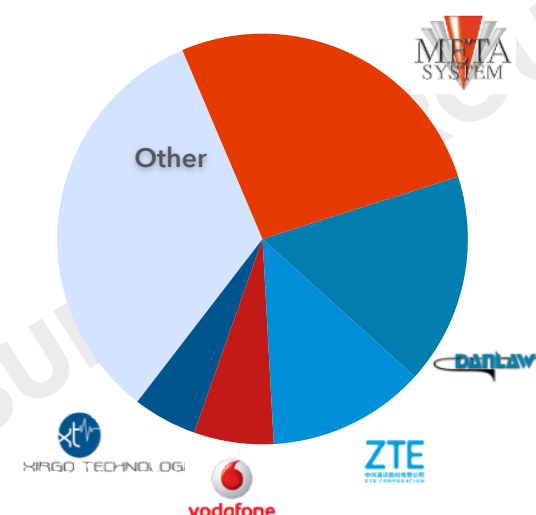
Breakdown of UBI policies by insurance group



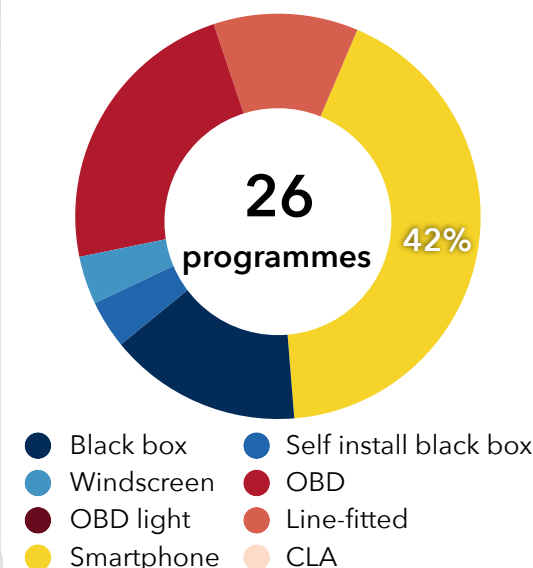
Market share of key TSPs active UBI policies



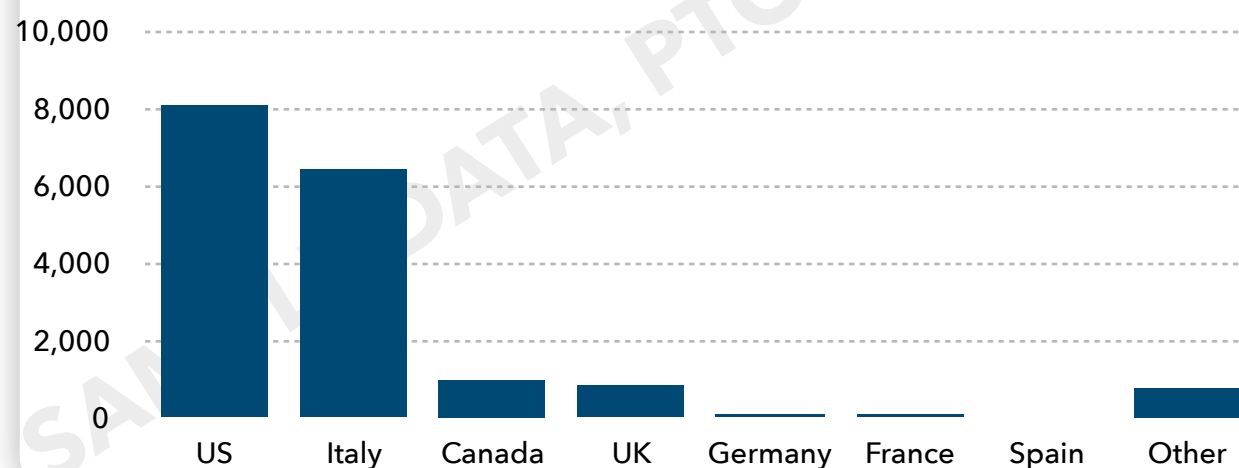
Market share of key TTPs active UBI policies



New programme launches (last 6 months)



Active UBI policies in key UBI countries (in 000s)



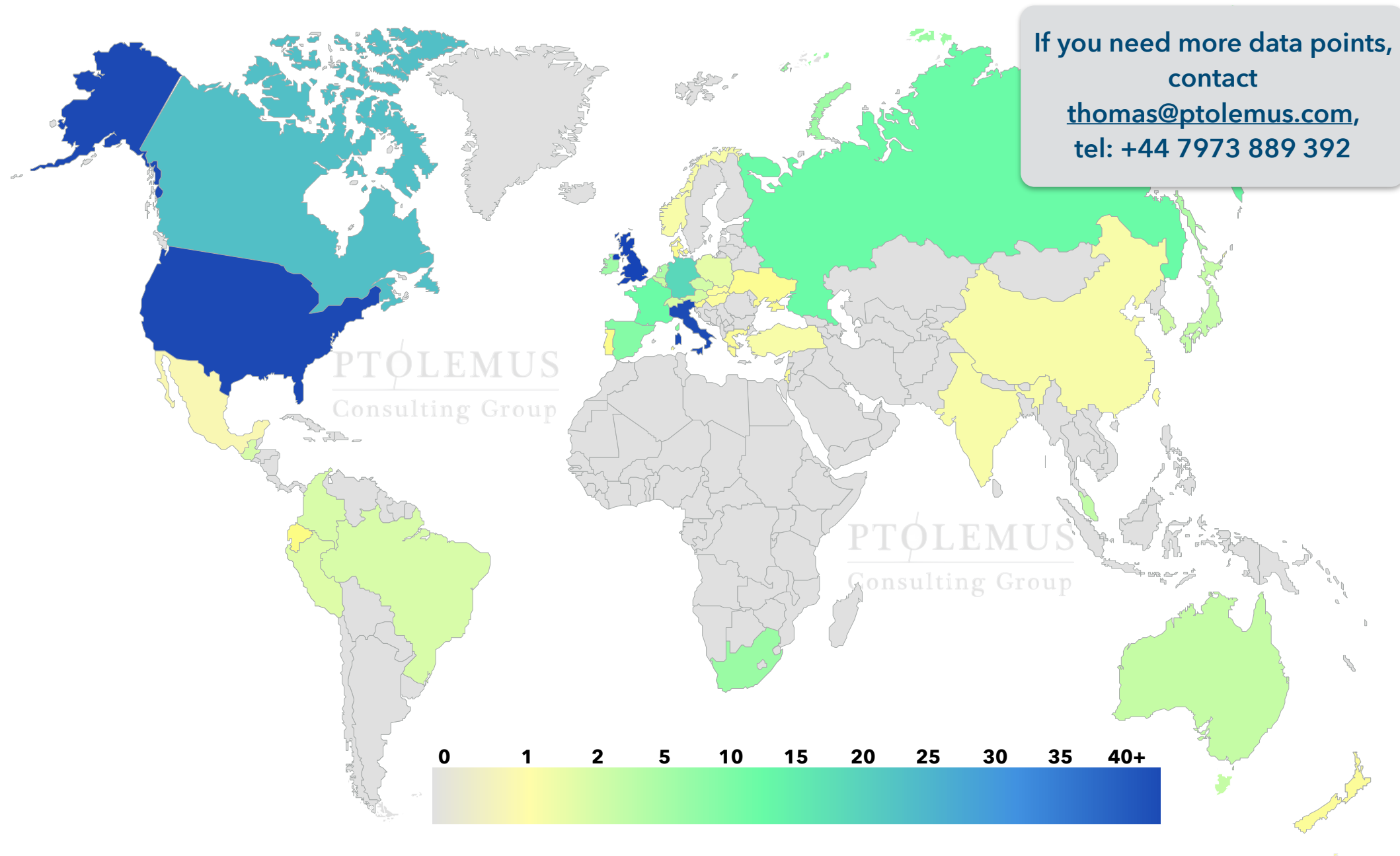
Global UBI indicators

	Q1 2017	Q2 2017	Q3 2017	Q4 2017
UBI policies (million)				17.4
Active programmes*				353
Smartphone programmes**				67

If you need more data points,
contact
thomas@ptolemus.com,
tel: +44 7973 889 392

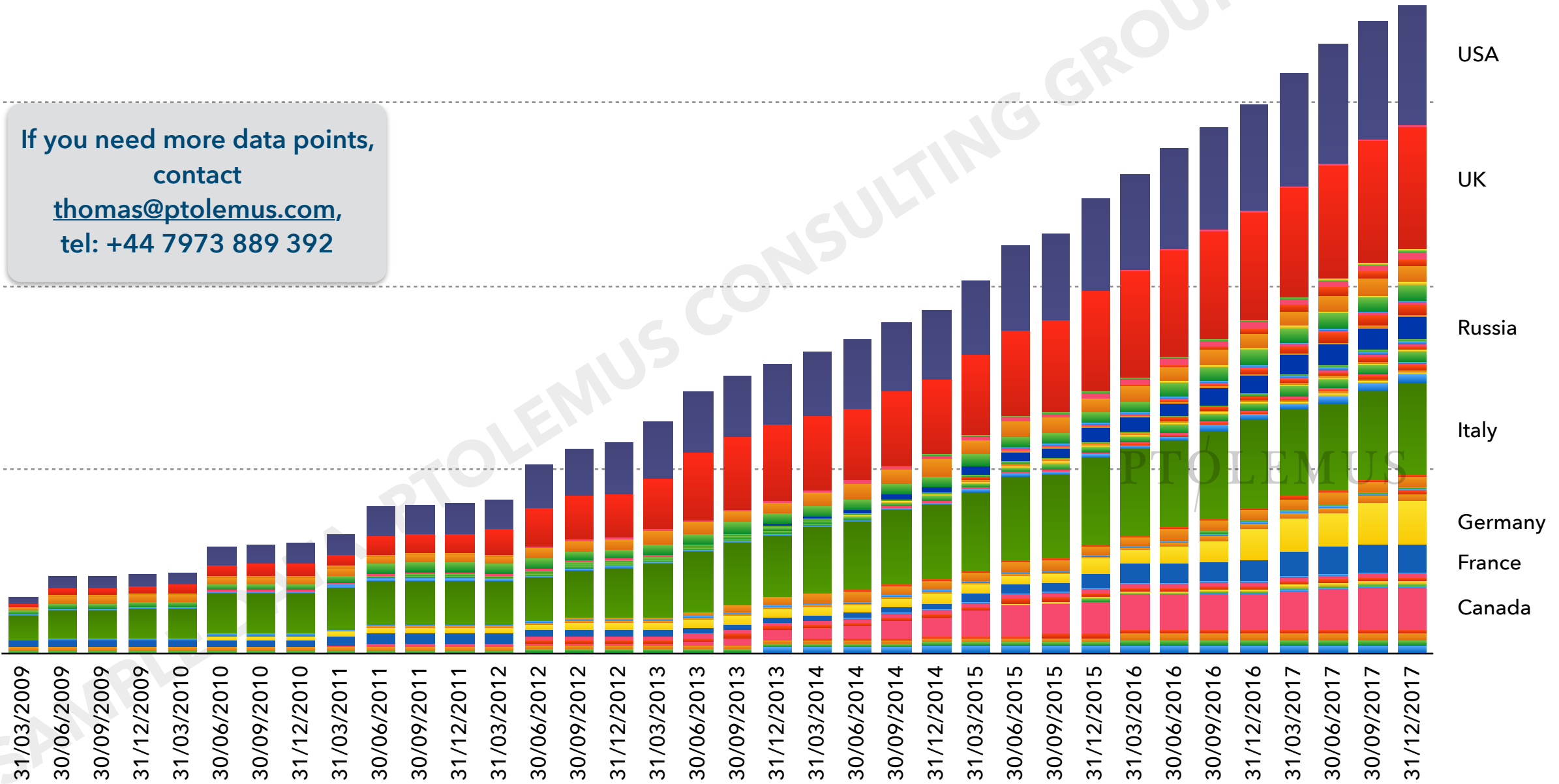
UBI growth is coming from a few Western countries but tomorrow it will be driven by a multitude of emerging markets

Active UBI programmes by country



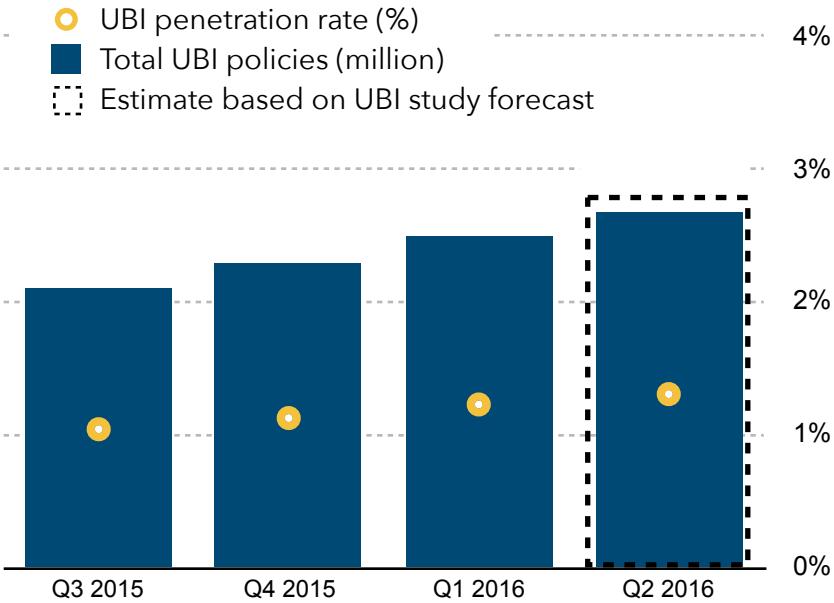
More than 350 UBI programmes globally

Number of active UBI programmes worldwide by quarter since 2009

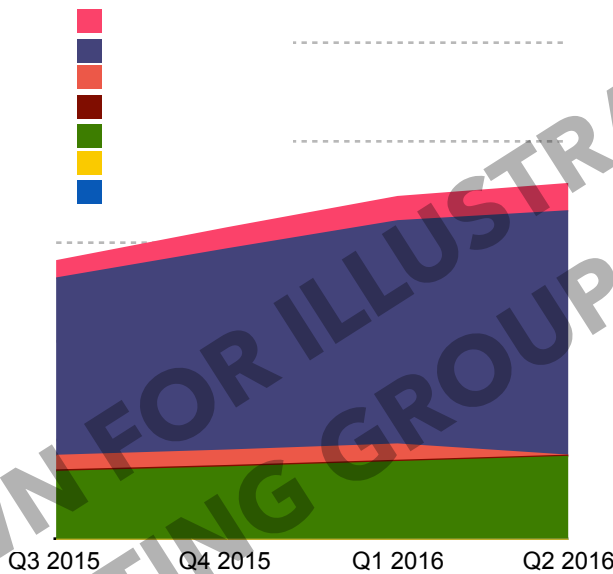


Progressive's rapid growth has impacted the whole market

UBI policies (000s), quarterly growth and market penetration (%)

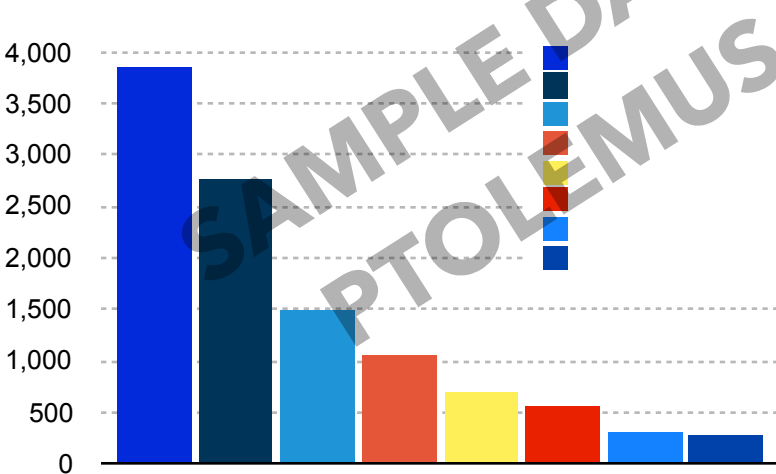


Total UBI premiums generated (€ million, annual basis)

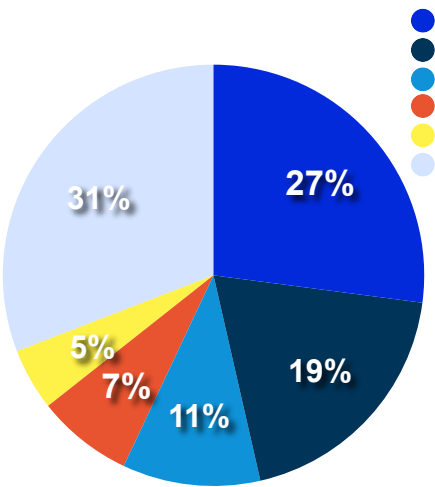


Top global insurance companies by market capitalisation	UBI programme	UBI estimated penetration rate
Berkshire Hathaway	Trial	x
Allianz	✓	xx
AIG	✓	xx
Ping An	Trial	xx
AXA	✓	xx
AIA Group	x	x
ING Group	x	x
Zurich Insurance	x	xx

Number of active UBI policies by insurance company (in 000s)

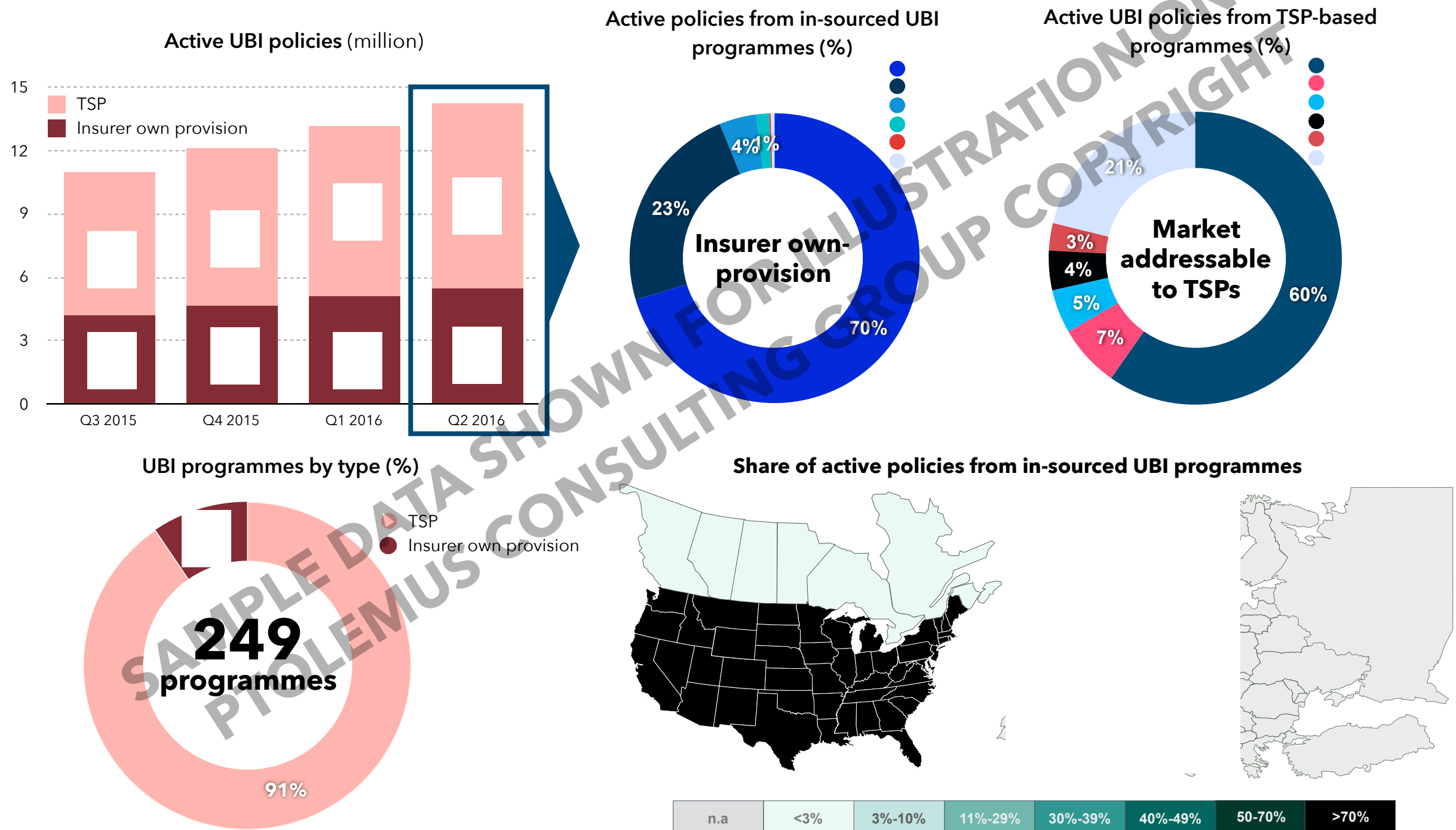


Share of active UBI policies by insurer (%)



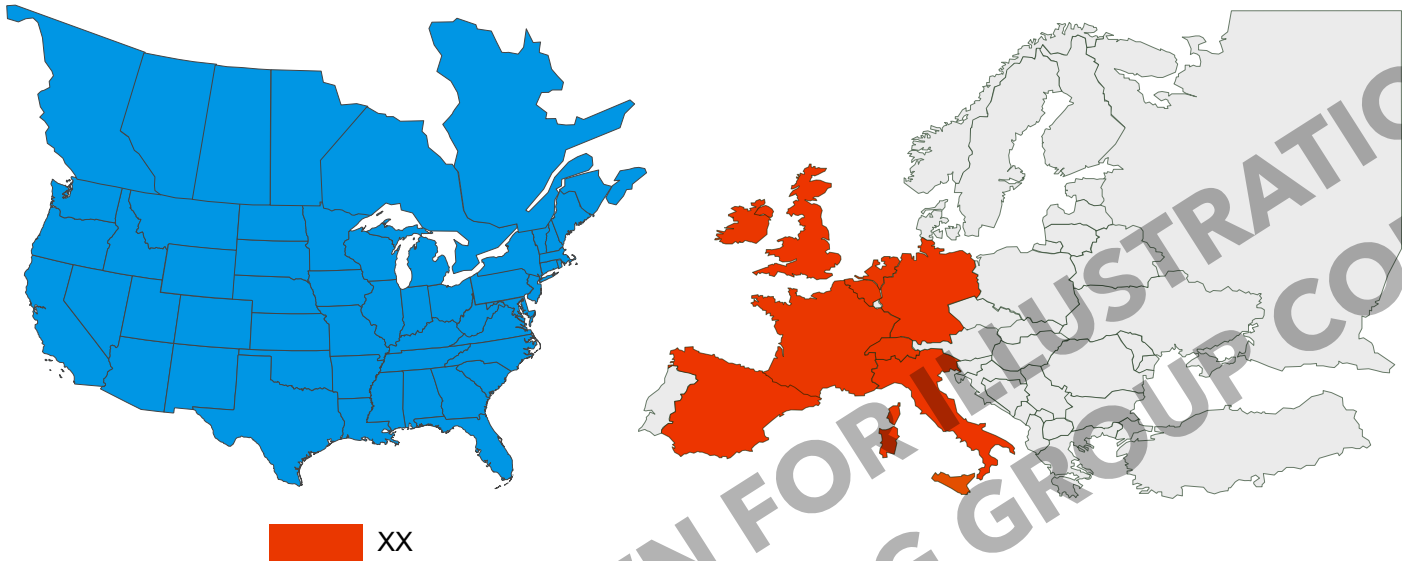
Leading UBI insurers	Country	UBI estimated penetration rate
Progressive	US	xx
UnipolSai	Italy	xx
Allstate	US	xx

Large insurers have stated their desire to insource, but the dominant model continues to be TSP-based

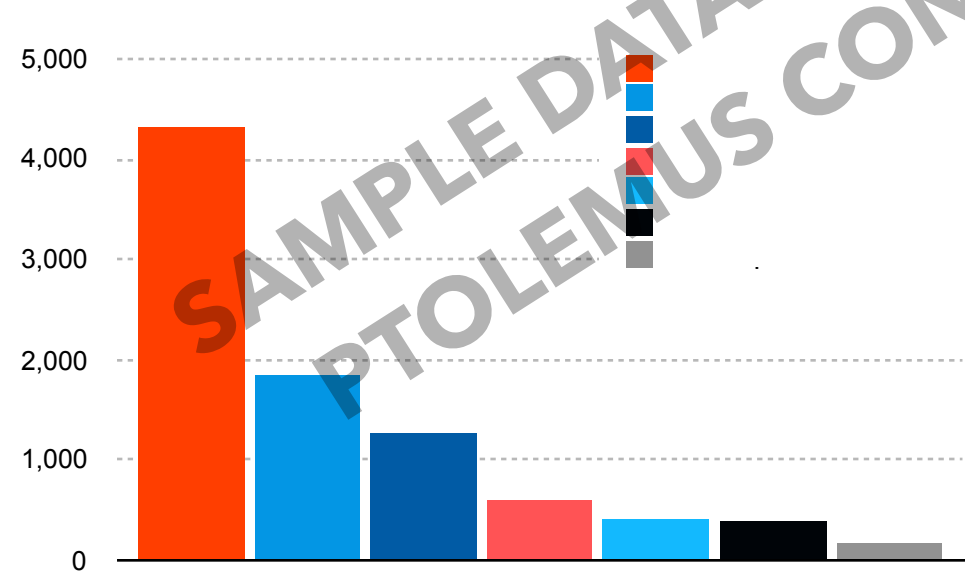


While Danlaw has overtaken Xirgo in North America, Meta System remains the dominant player in Europe

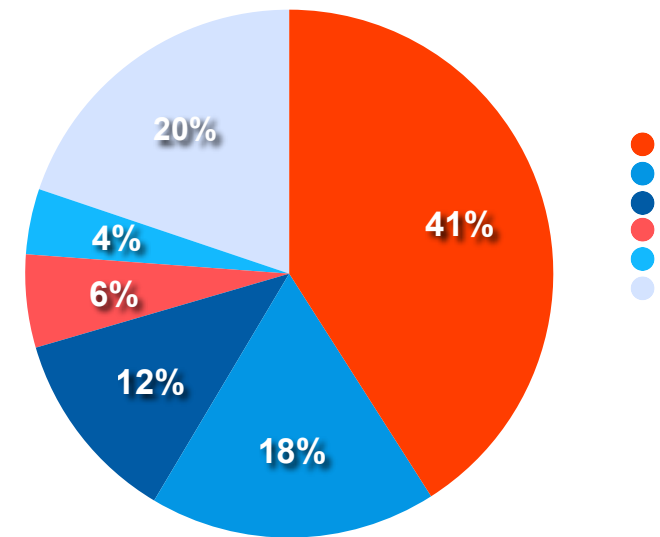
Top TTP market share holder in each country



Number of active UBI devices by TTP (in 000s)



Share of active UBI devices by TTP (%)



Leading insurers are adopting a multi-device strategy while TSPs mostly keep a single device approach

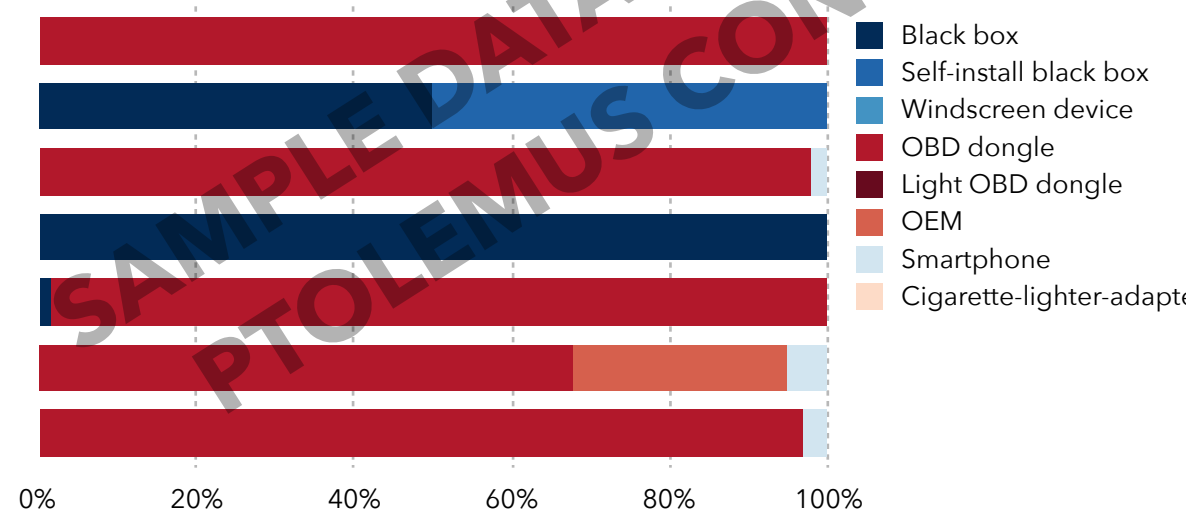
Active global UBI policies by device type (in 000s)



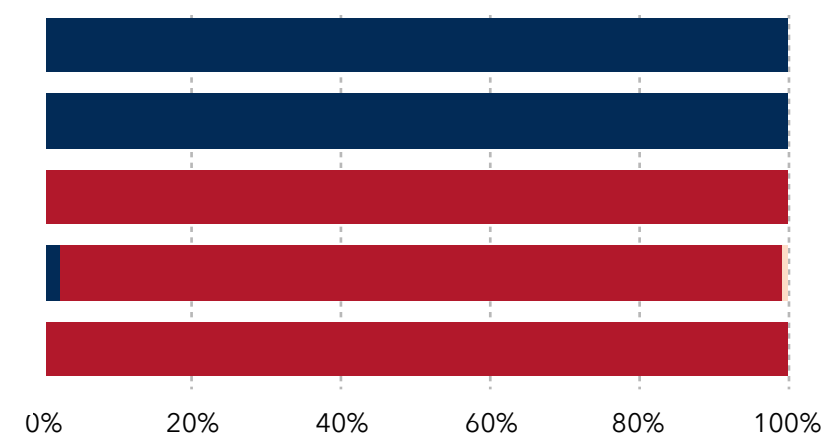
Breakdown of UBI policies by device in use (%)



Device mix for key insurance groups (%)

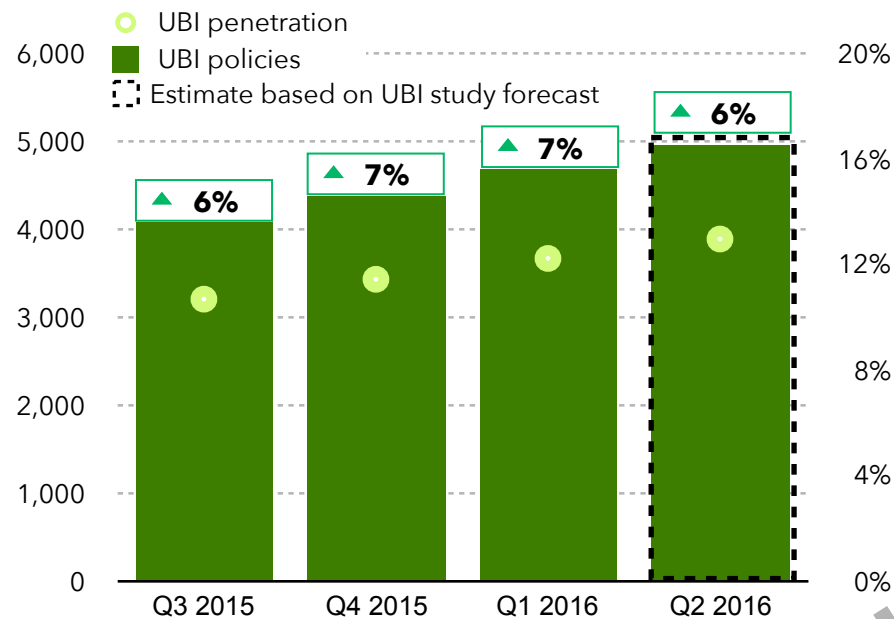


Device mix for key TSPs (%)

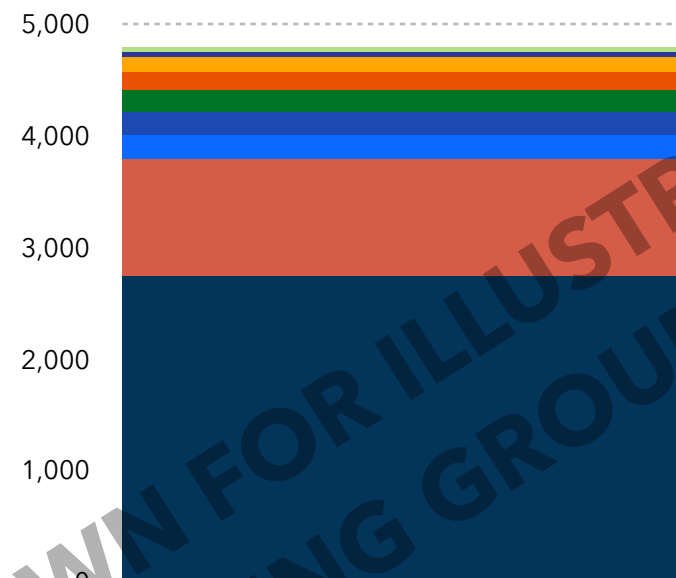


Quarterly growth remains consistent in Italy at 6%

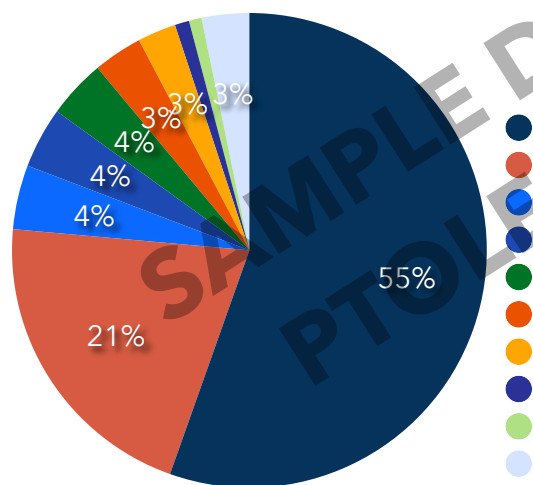
UBI policies (000s), quarterly growth and market penetration (%)



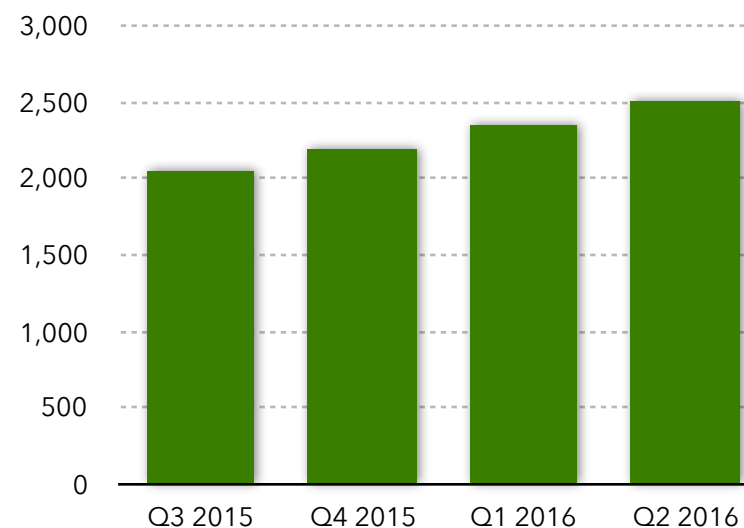
Active UBI policies by insurance company (in 000s)



Share of active UBI policies (%)



UBI premiums generated (€ million, annual basis)



Recent events

2015

- October: **MAPFRE** acquires Direct Line in Italy and Germany
- November: Replacing the Monti law, the **competition bill** is now discussed in parliament

Source: carrozzeriaautorizzata.com

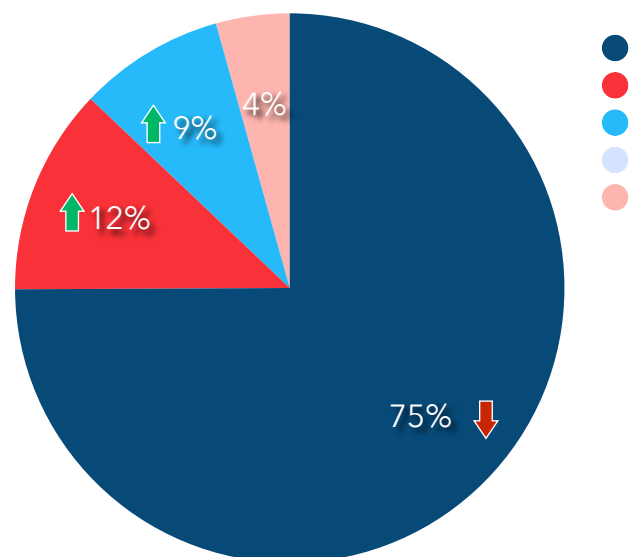
2016

- April: **Infomobility** strengthen partnership with **Generali** for provision of telematics insurance and replaced Vodafone
- June: The **senate approved an amendment to the competition bill potentially mandating installation of the black boxes on all means of transport by 2017**. Public vehicles would first be impacted, followed by private vehicles. Source: facile.it
- September: **Generali** and **Progressive** announce a R&D agreements in order to improve their data analytics capabilities

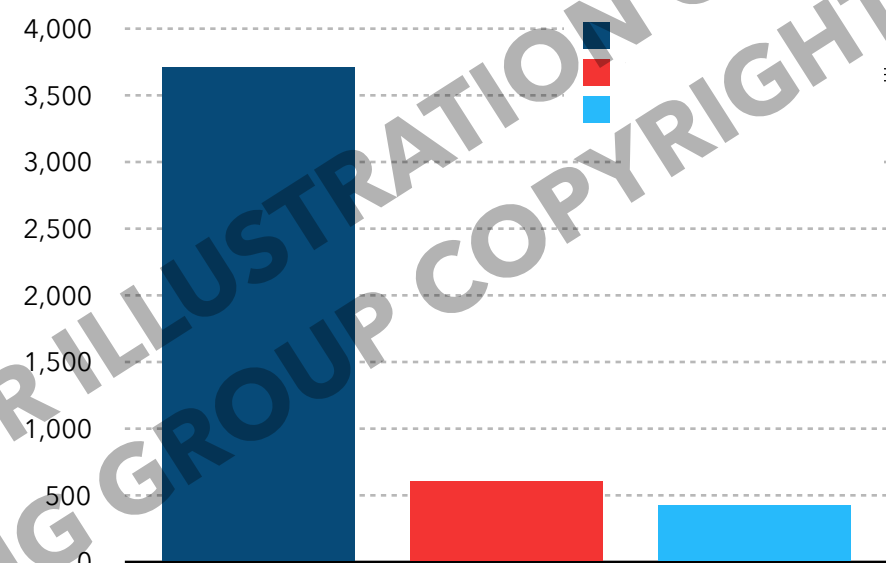
Source: Business Wire

The Italian market is dominated by local providers

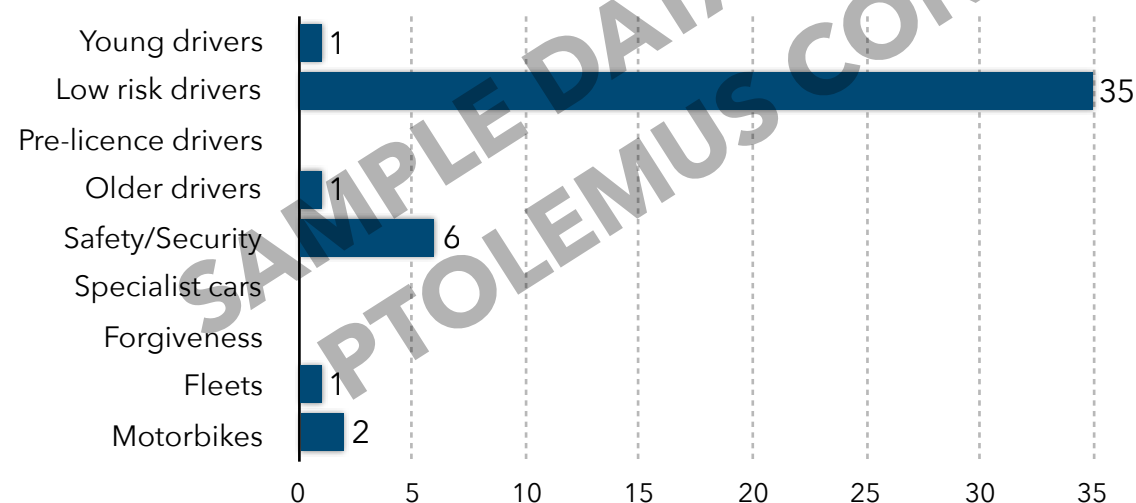
Share of active UBI policies by TSP (%)



Number of active UBI policies by TSP (000s)

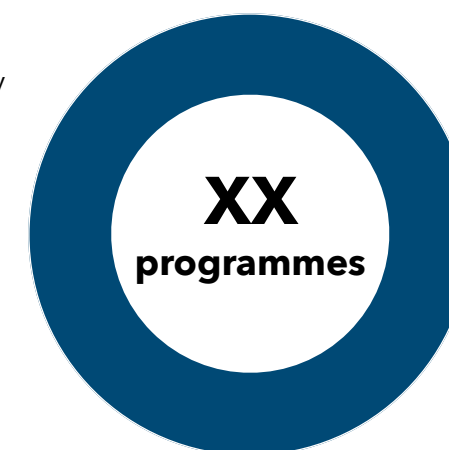


UBI programmes by target segment



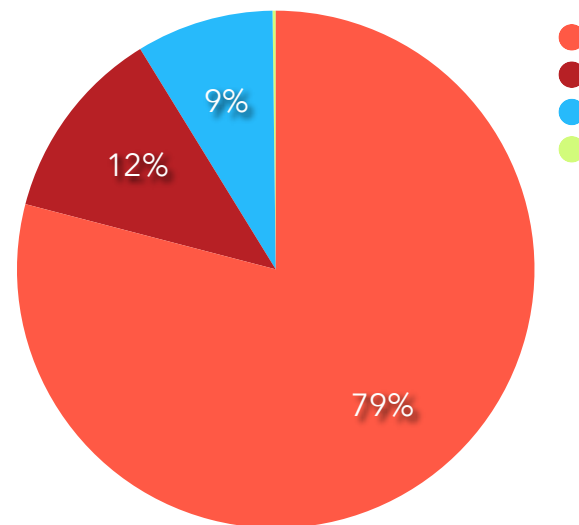
UBI programmes by model (%)

- Leave-in
- Roll-over
- Try before you buy

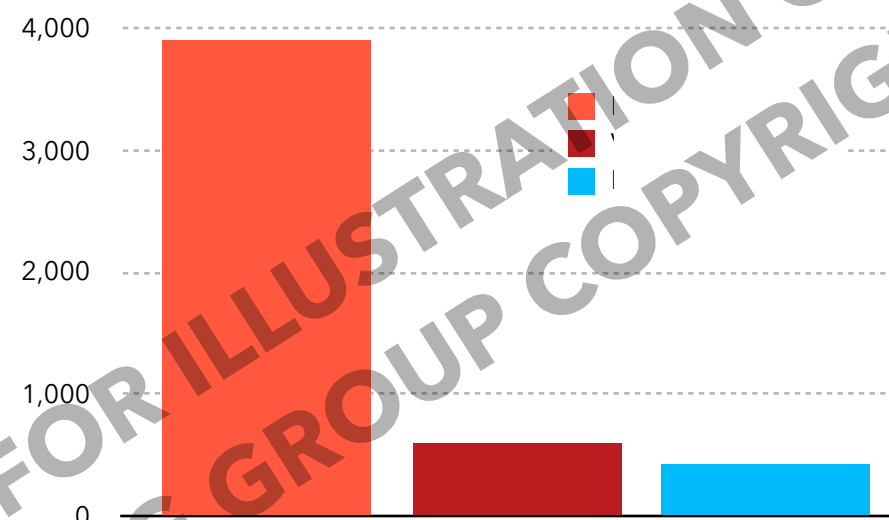


The device landscape remains highly concentrated

Share of active UBI devices by TTP (%)



Number of active UBI devices by TTP (in 000s)



Breakdown of Meta System devices (in 000s)



Breakdown of Vodafone Automotive devices (in 000s)



Despite a large market share, black boxes see growth in anticipation of the black box amendment beginning 2017

Active UBI policies by device type (in 000s)



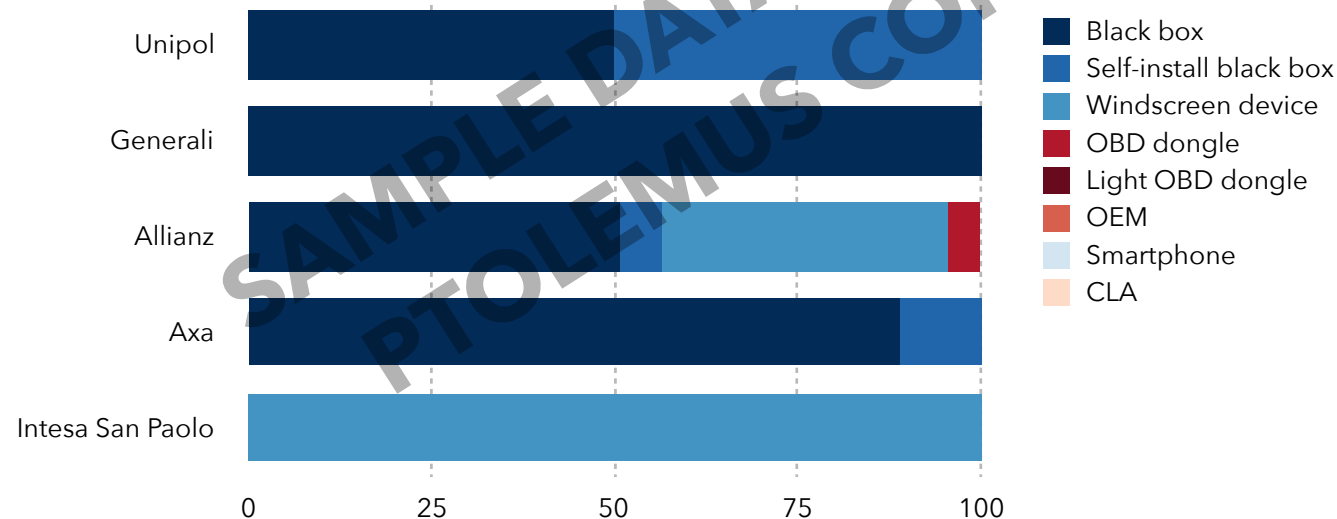
UnipolSai created a standalone telematics company, AlfaEvolution Technology, to support the telematics initiatives at Group level

UnipolSai
ASSICURAZIONI

AlfaEvolution
TECHNOLOGY

Under this new model, UnipolSai would still consider outsourcing functions such as device installation, device logistics, SVR, private eCall, etc.

Device mix by insurance company (%)



Share of UBI device technology in use (%)

