

# VITAL STATISTICS

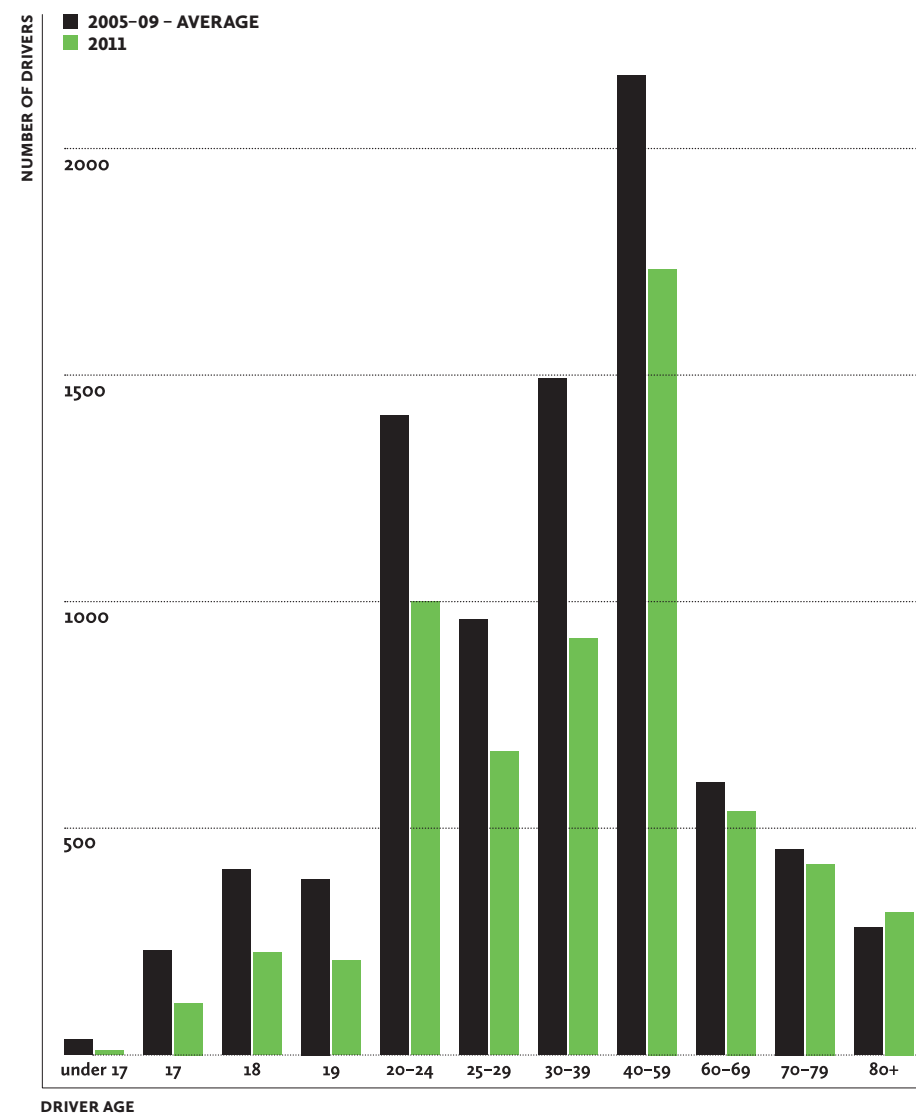
Some thought-provoking numbers from the world

## NUMERACY SKILLS EQUIVALENT TO GCSE GRADE G OR HIGHER BY AGE



Source: [www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/32277/11-1367-2011-skills-for-life-survey-findings.pdf](http://www.gov.uk/government/uploads/system/uploads/attachment_data/file/32277/11-1367-2011-skills-for-life-survey-findings.pdf)

## CAR DRIVERS KILLED OR SERIOUSLY INJURED BY AGE IN GREAT BRITAIN



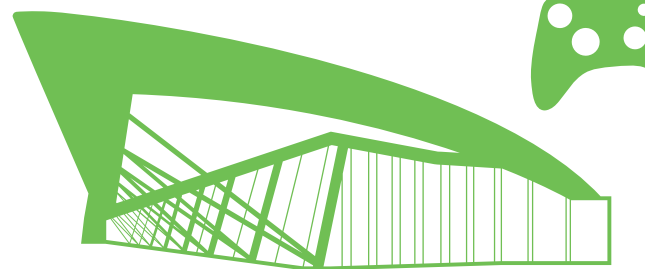
Source: [www.gov.uk/government/statistical-data-sets/ras30-reported-casualties-in-road-accidents](http://www.gov.uk/government/statistical-data-sets/ras30-reported-casualties-in-road-accidents)

## DATA STORAGE

32 GB  
PORTABLE MP3 PLAYER

250 GB  
GAMES CONSOLE

200 000 000 GB  
DATA AMASSED BY CERN BY MID-2012  
200 PETABYTES



18 000 000 GB

USABLE STORAGE AT WELLCOME TRUST SANGER INSTITUTE BY 2011



100 000 000 GB

FACEBOOK PHOTOS AND VIDEOS BY MID-2012

Source: [www.amazon.com](http://www.amazon.com), [www.itbusinessedge.com/cm/blogs/lawson/the-big-data-software-problem-behind-cerns-higgs-boson-hunt/?cs=50736](http://www.itbusinessedge.com/cm/blogs/lawson/the-big-data-software-problem-behind-cerns-higgs-boson-hunt/?cs=50736), [www.extremetech.com/computing/129183-how-big-is-the-cloud](http://www.extremetech.com/computing/129183-how-big-is-the-cloud), Wellcome Trust Sanger Institute

## WORLDWIDE EMAIL ACCOUNTS

2012  
3.3 BILLION



2016 (ESTIMATED)  
4.3 BILLION



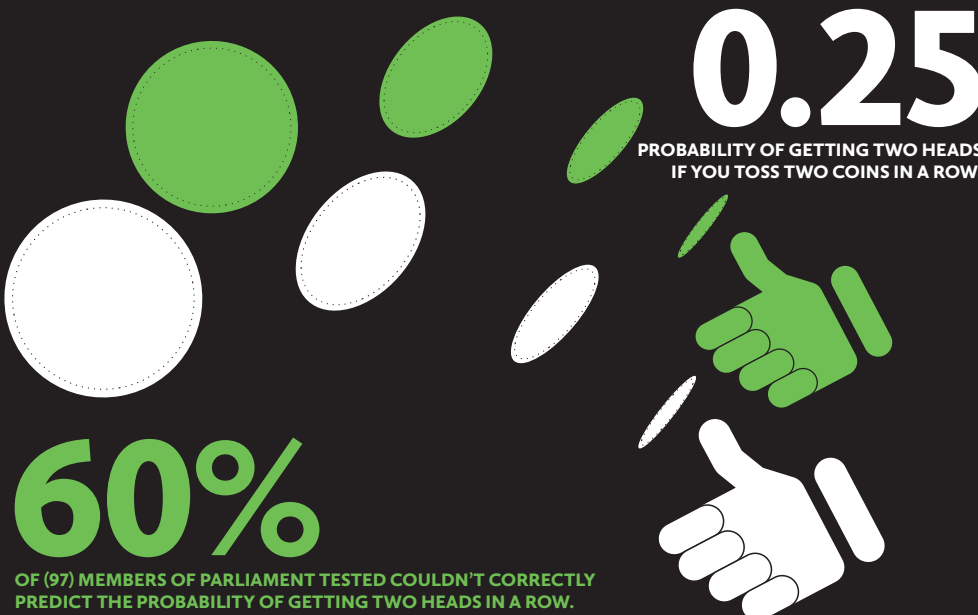
Source: [www.radicati.com/?p=8417](http://www.radicati.com/?p=8417)

## EARNINGS PREMIUM FOR THOSE WHO TOOK A-LEVEL MATHS



Source: [www.reform.co.uk/client\\_files/www.reform.co.uk/files/the\\_value\\_of\\_mathematics.pdf](http://www.reform.co.uk/client_files/www.reform.co.uk/files/the_value_of_mathematics.pdf)

## COIN TOSSING PROBABILITIES



Source: Royal Statistical Society and Ipsos MORI

## FINDING DATA

Putting this diagram together, we found that different sources gave different numbers for the same thing. Why don't they match?

Well, data can be interpreted in different ways, and estimates can be made using different methods and/or baseline data. Definitions matter, too - different sources might define 'numeracy' or 'adult' differently.

Which should you choose? The source itself is important - is it reliable? Are the figures recent? How might an organisation's 'agenda' affect how it calculates and presents data?