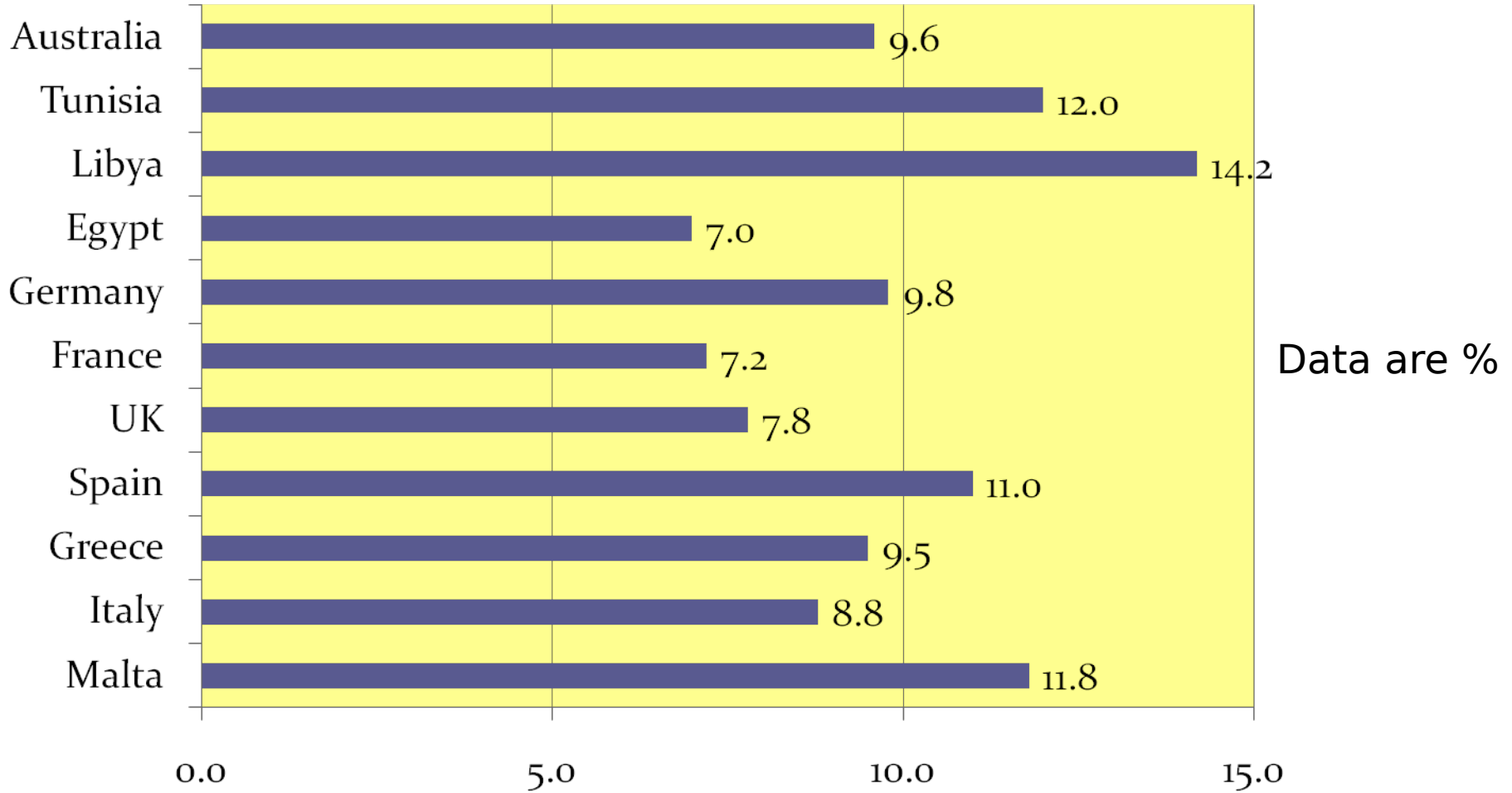


Malta

Prof. Stephen Fava

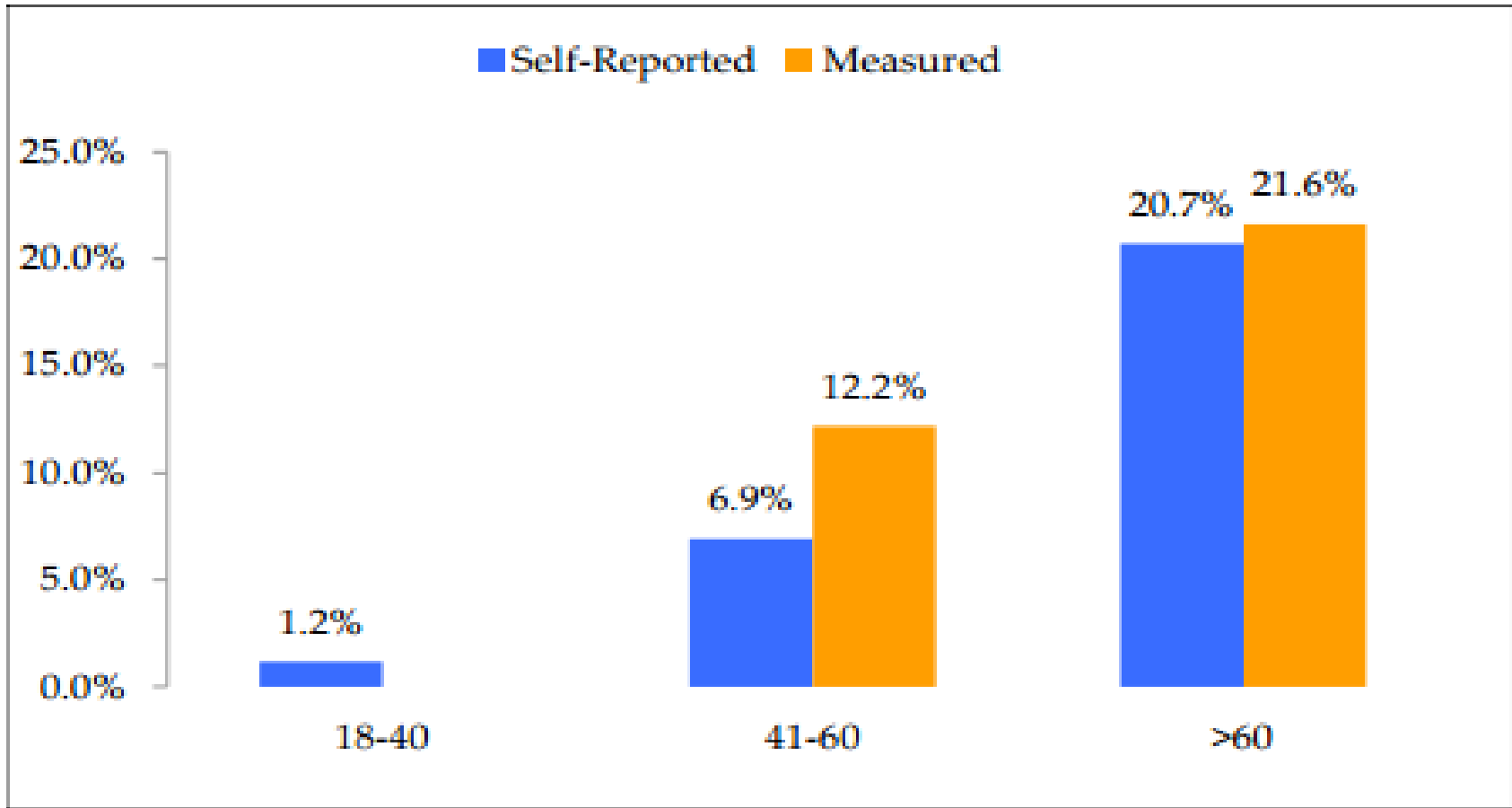
Prof. Joseph Azzopardi

PREVALENCE OF DIABETES



Data from Danaei G et al, on behalf of the Global Burden of Metabolic Risk Factors of Chronic Diseases Collaborating Group (Blood Glucose). National, regional, and global trends in fasting plasma glucose and diabetes prevalence since 1980: systematic analysis of health examination surveys and epidemiological studies with 370 country-years and 2-7 million participants. *Lancet* 2011; published online June 25. DOI:10.1016/S0140-6736(11)60679-X

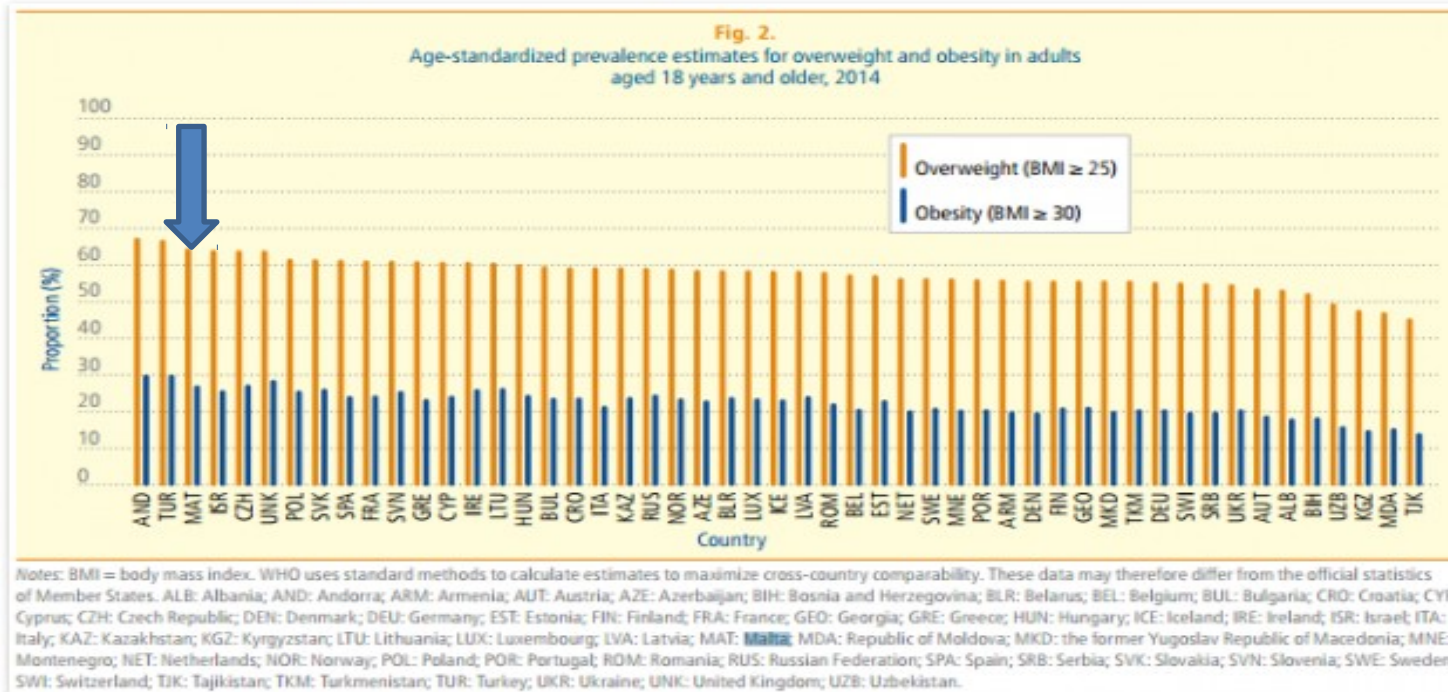
Prevalence of Diabetes in Malta



OBESITY IN MALTA

Thursday, September 24, 2010, 07:00

Malta has highest obesity rate in the EU



Malta leads the EU in having the highest overweight and obesity rates, according to a new World Health Organisation report.

DIABETES DATABASE IN MALTA

The System can be used as:

- A Complete day to day Patient Management System
 - Electronic health record.
- A Source of data for Reports and Research on Diabetes
- A basis for a National Diabetes Registry
- Possible linkage with other datasets (eg free medication, mortality)

DIABETES DATABASE IN MALTA (cont.)

The database has entries for:

- Basic Patient demographic data (age, sex, address)
- Height, Weight & Waist Circumference
- Diabetes (type, year of diagnosis) and Medical History,
- Vascular risk factors (blood pressure, dyslipidaemia, smoking status)
- Dietary history and advice and Education
- Medications (past & present)
- Physical examination
- Glycaemic control, i.e. HbA1c results
- Complications

DIABETES DATABASE IN MALTA (cont.)

- Uses unique patient identifier
- National but incomplete
- Does not cover children

DIABETES DATABASE IN MALTA (cont.)

- Authorized users can automatically generate reports for analysis by the BIRO system; it can also generate User Audit and Patients as per Consultant Reports
- Dissemination through meetings/papers
- Used for audit/research

DIABETES DATABASE IN MALTA (cont.)

The database is in place at:

- The main diabetes clinic at Mater Dei Hospital
 - At seven peripheral diabetes clinics.
- All doctors working at the diabetes clinics can use the system but data entry is voluntary.
- As of December 2016 there were 26737 patients (63%) registered on the database and 129339 patient visits recorded.
- Entry is still optional
- There are plans to link this with other electronic databases as laboratory & imaging results, electronic discharge letters but this has not yet been achieved.

DIABETES DATABASE IN MALTA (cont.)

- Recently it has been changed to an internet-based system
- Captive population

DIABETES DATABASE IN MALTA (cont.)

- Future directions
 - To make use of the system mandatory
 - Improve IT system in the national health system
 - Enable cross-talk with other local electronic databases

Conclusions

- A robust system with considerable data
- Is being used as an electronic database
- Has great potential in audit & research