BIRO Data Dictionary Update

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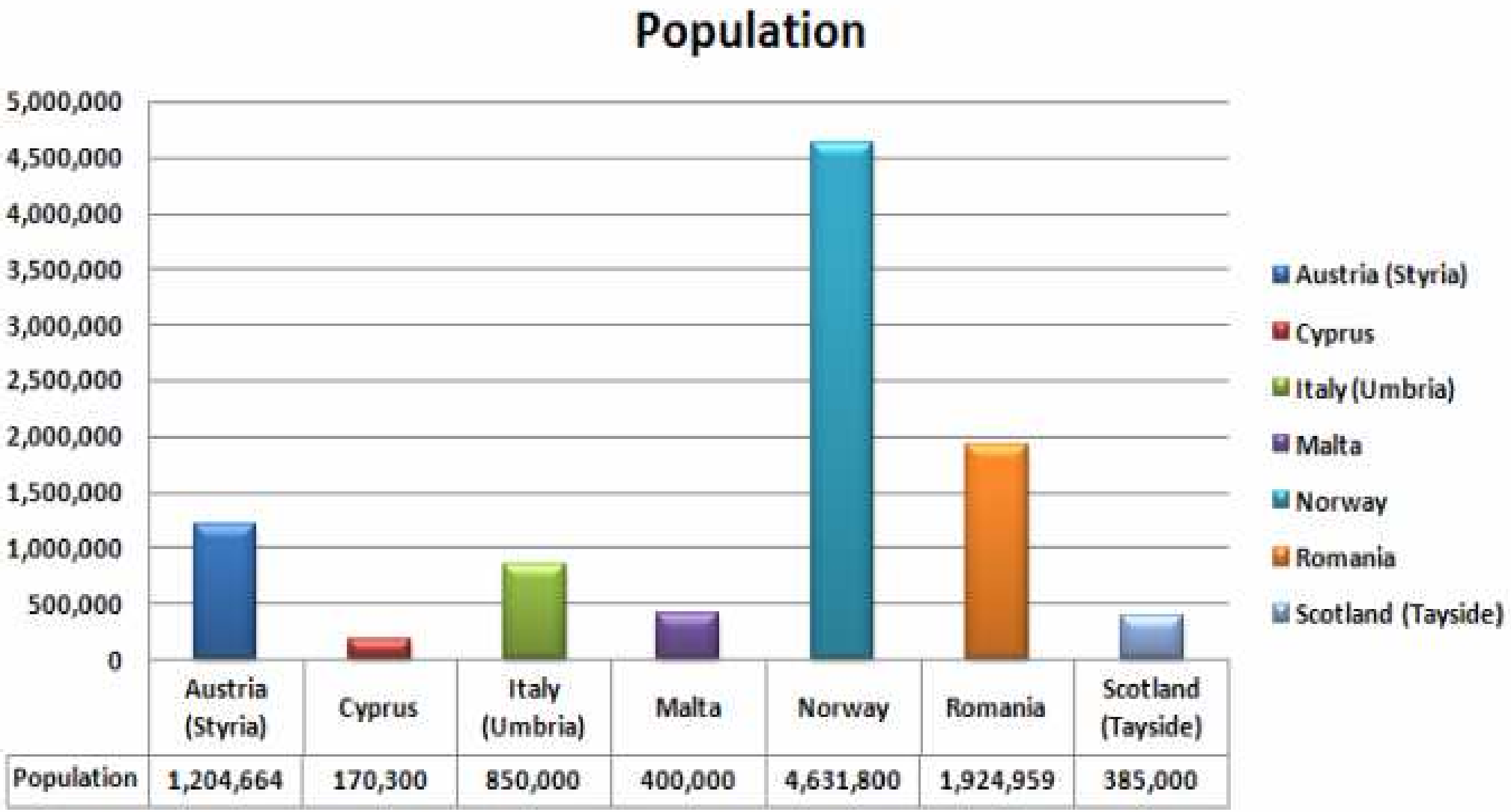
Introduction

- Data Source Questionnaire Analysis
  - Results
  - Discussion of Anomalies
- Updates and Discussion
  - Multiple Regional Data Sources
  - Data Source Geocodes
  - Derived Variables

Data Source Questionnaire

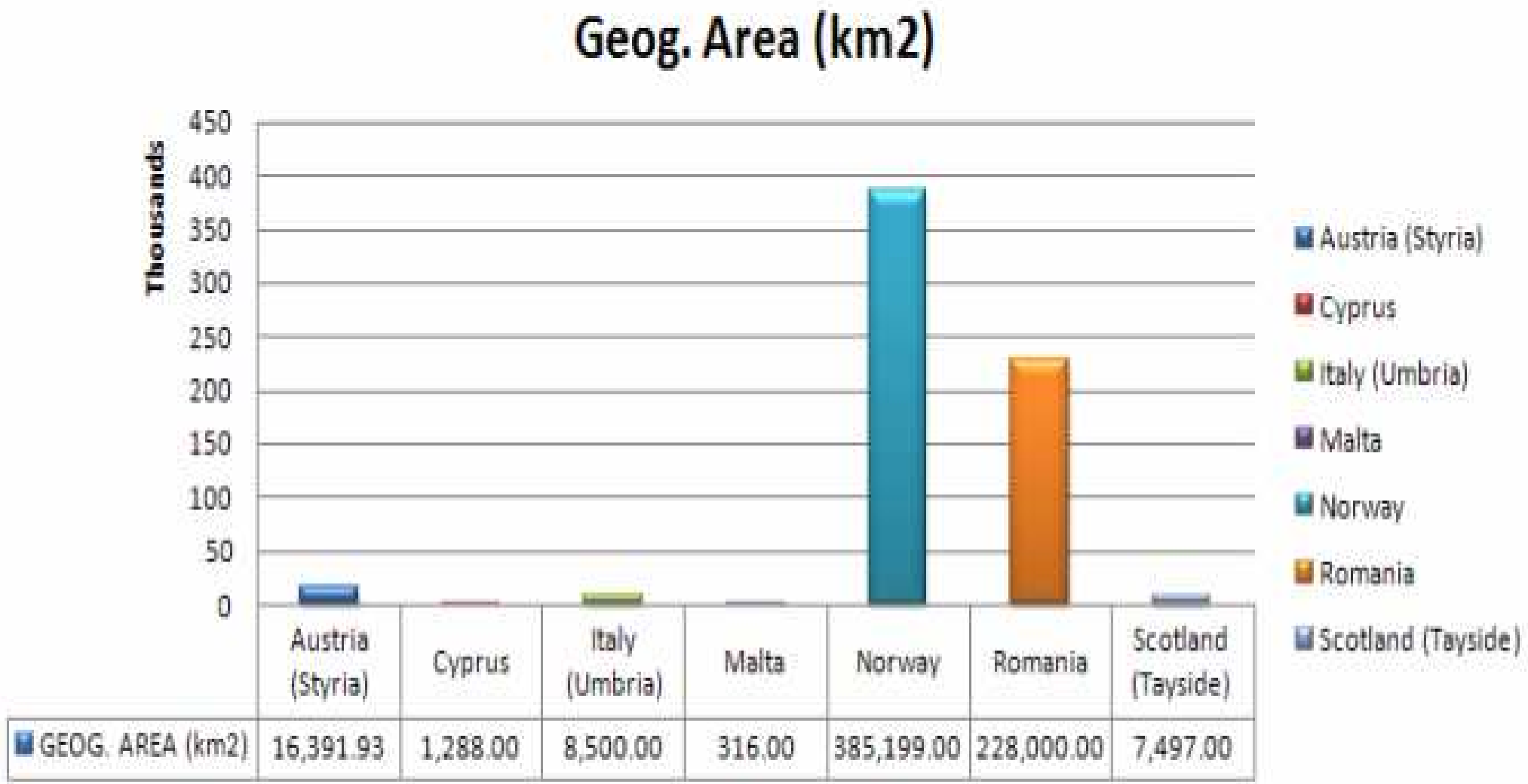
- Data gathered by July – August 2007
- Information about partner's local area
  - Contact details
  - Partner profile
  - Population
  - Geographical area
  - Total hospital beds
  - Physicians
  - Diabetes Specialists
  - Doctors
  - Diabetes Nurses
  - Disease Management Programmes

Population

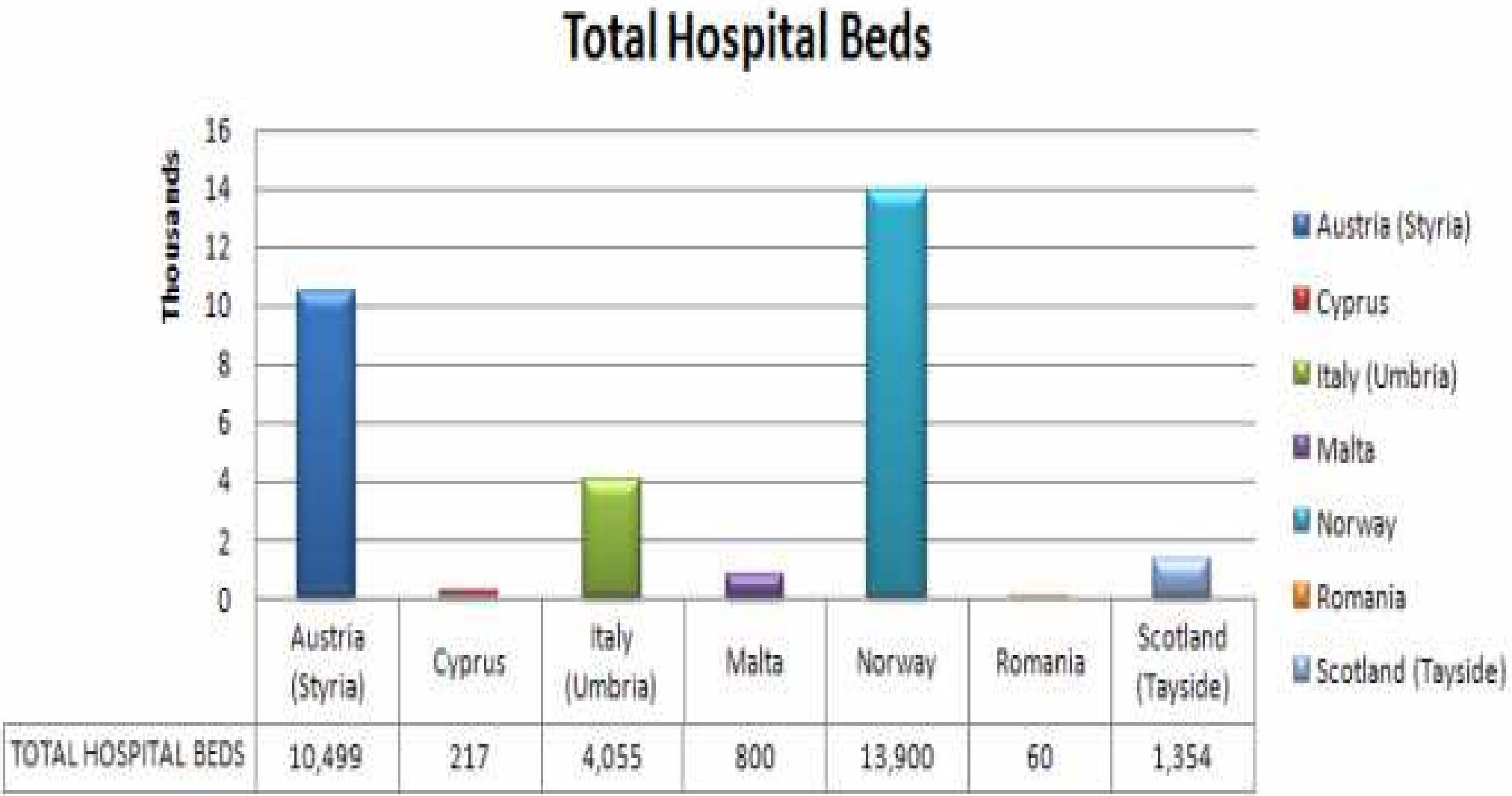


	Austria (Styria)	Cyprus	Italy (Umbria)	Malta	Norway	Romania	Scotland (Tayside)
Population	1,204,664	170,300	850,000	400,000	4,631,800	1,924,959	385,000

Geographical Area

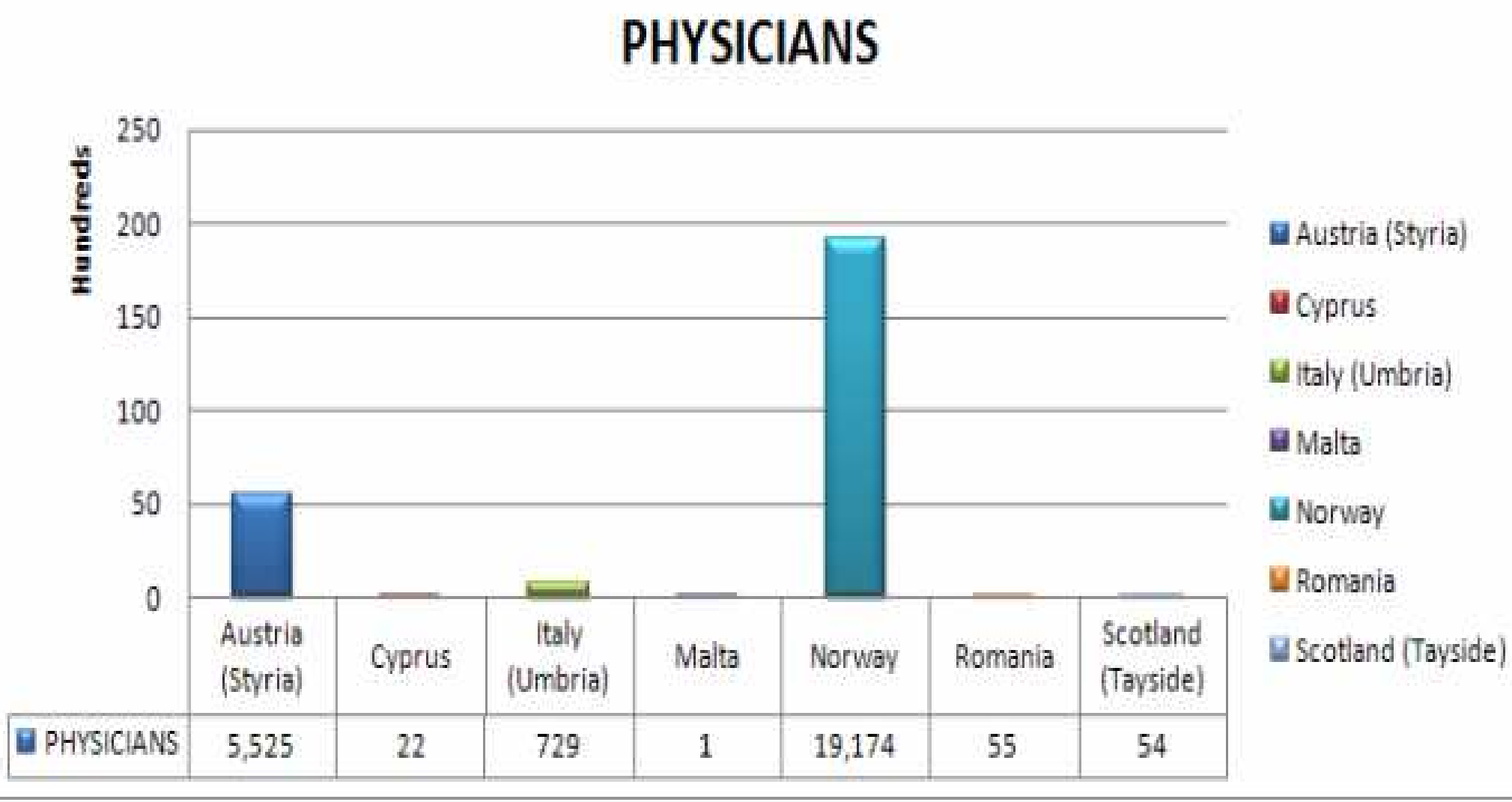


Total Beds

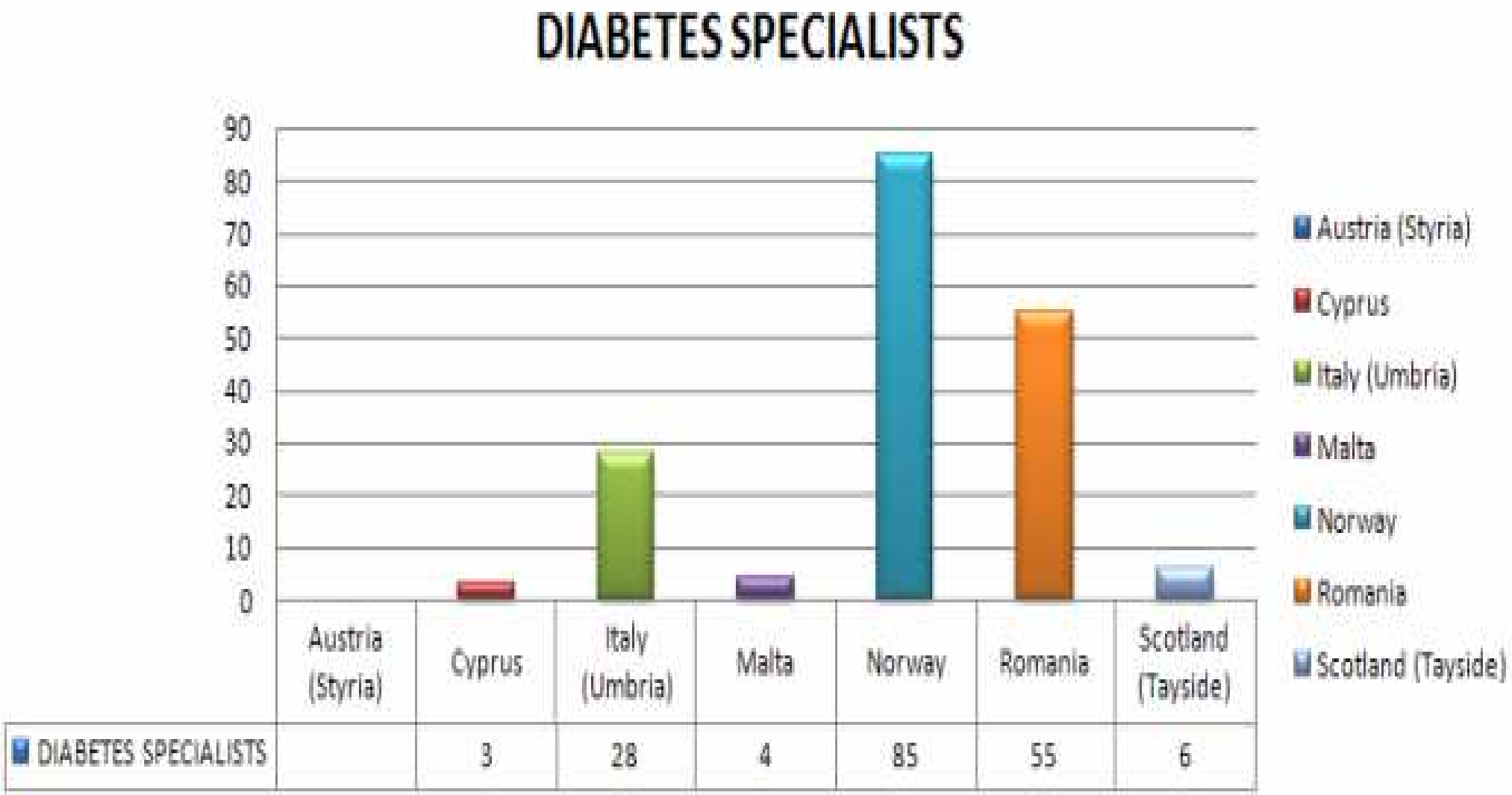


	Austria (Styria)	Cyprus	Italy (Umbria)	Malta	Norway	Romania	Scotland (Tayside)
TOTAL HOSPITAL BEDS	10,499	217	4,055	800	13,900	60	1,354

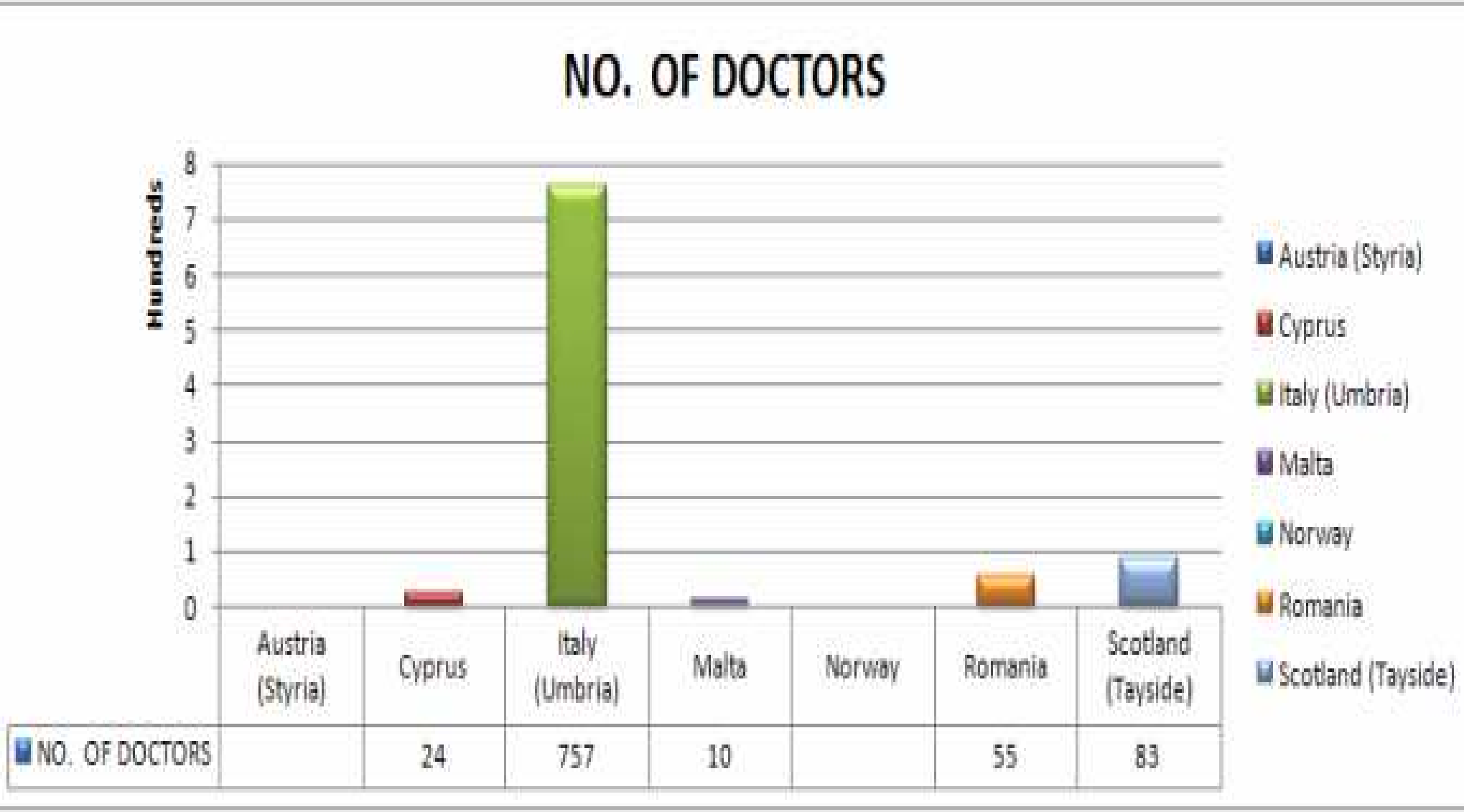
Physicians


PHYSICIANS
Hundreds
250
200
150
100
50
0
Austria (Styria)
Cyprus
Italy (Umbria)
Malta
Norway
Romania
Scotland (Tayside)
PHYSICIANS
5,525
22
729
1
19,174
55
54

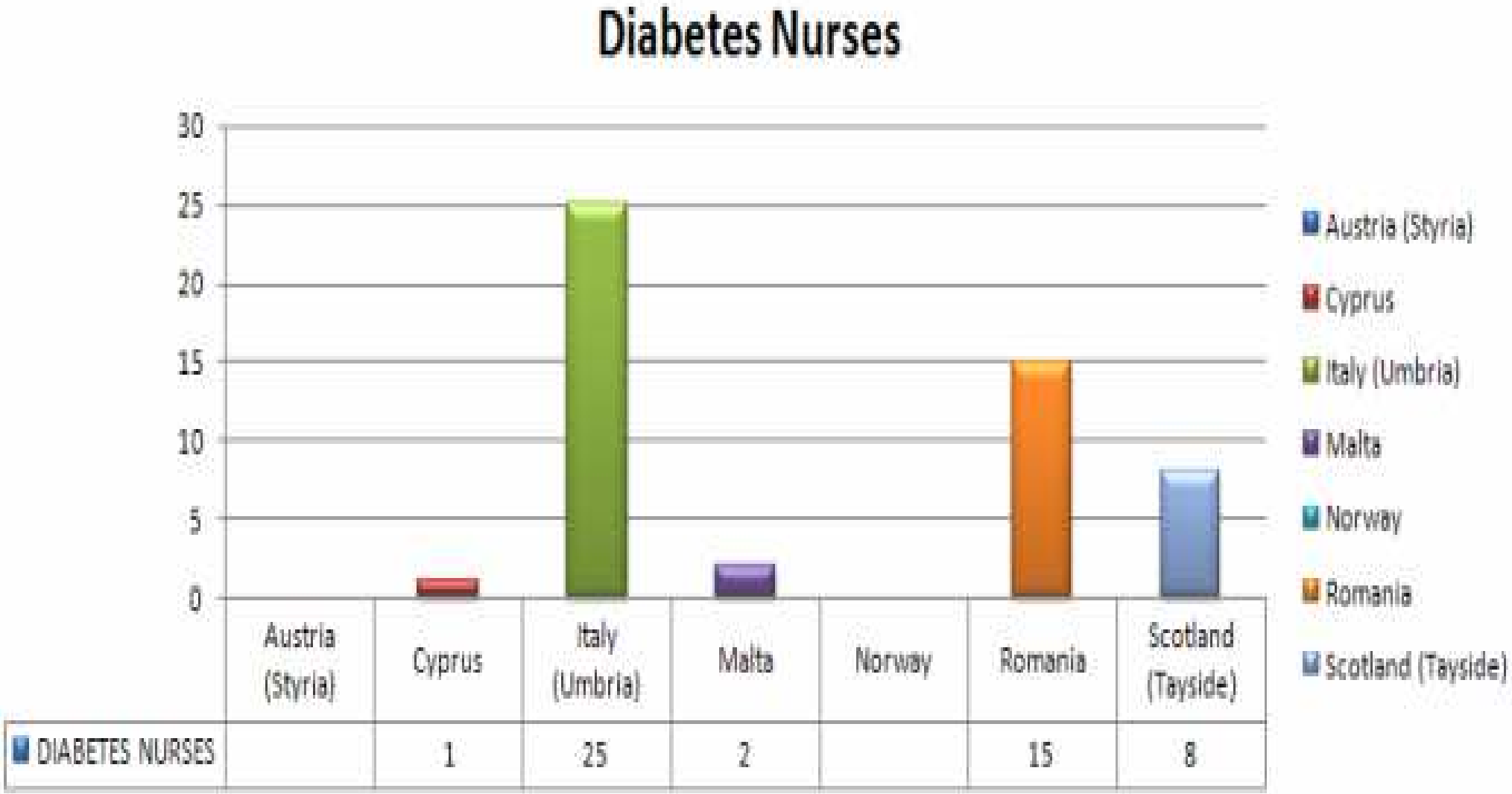
Diabetes Specialists



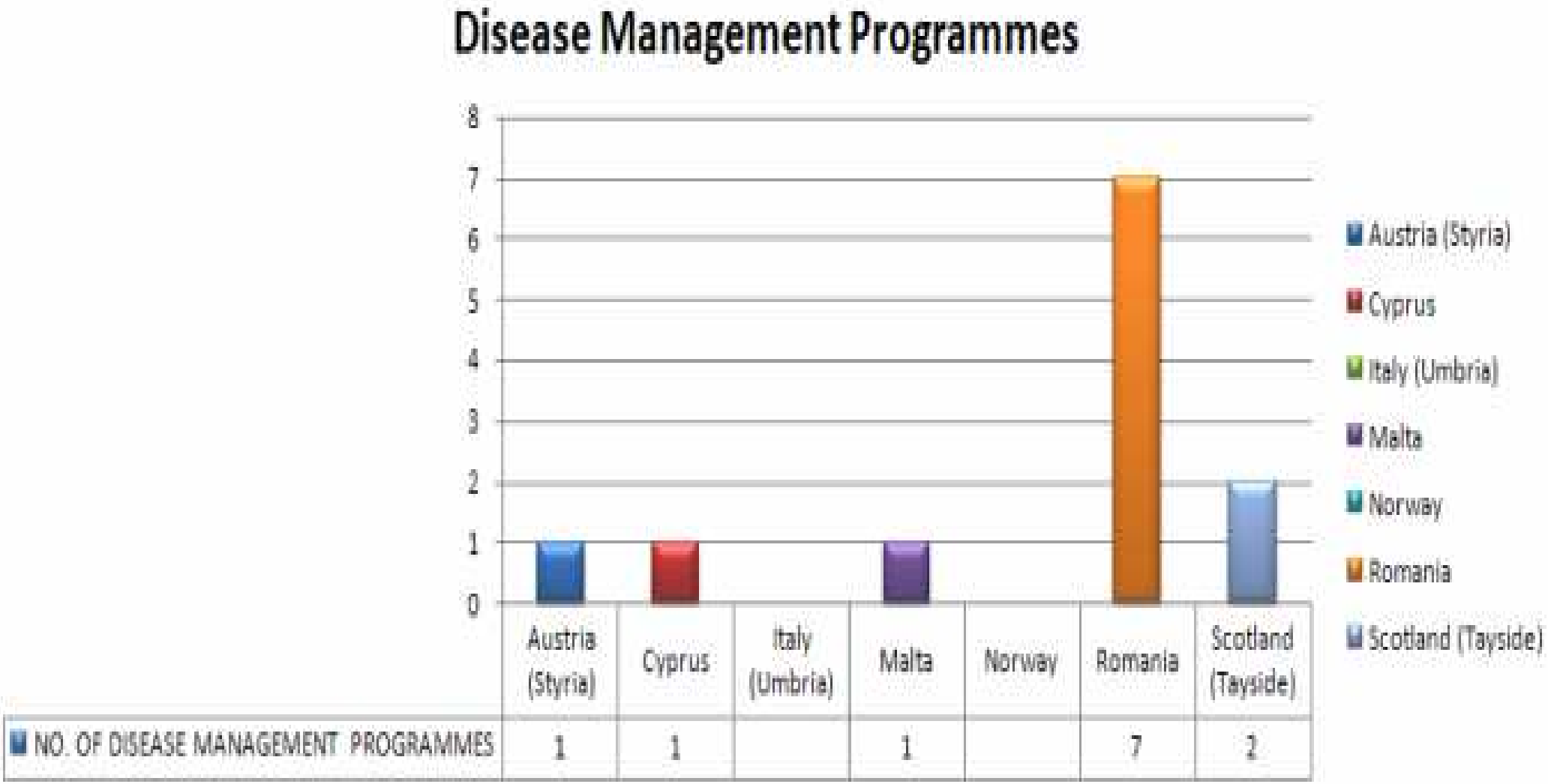
Doctors


NO. OF DOCTORS
Hundreds
8
7
6
5
4
3
2
1
0
Austria (Styria)
Cyprus
Italy (Umbria)
Malta
Norway
Romania
Scotland (Tayside)
NO. OF DOCTORS
24
757
10
55
83

Diabetes Nurses



Management Programmmes



Questionnaire Issues

- Confusion with "Doctors" (General Medicine) and "Physicians" (Secondary Care Specialists Only)
  - Definition: Physician: Physicians within data source geographical area: SPECIALIST ONLY
  - Definition: Doctor: Number of doctors who regularly take care of diabetic patients in diabetes clinics in primary or secondary care within data source geographical area. GENERALIST & SPECIALIST
- Geographical Area and Population should cover area of data source, not whole country (Norway/Romania?)

Multiple Data Sources

- Schema defined to support multiple data sources per partner dependent on source type
  - Hospital Discharge
  - Insurance System
  - etc…
- Discuss…

Geocodes

- Multiple sources to identify geographical locations
  - Google maps
  - Yahoo
- Yahoo Geocodes
  - http://developer.yahoo.com/geo/

Geocodes

```
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    yahoo:total="1">
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      <admin2 type="County" code="">Tayside</admin2>
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      <locality2 />
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                  <longitude>-3.57086</longitude>
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                  </southWest>
                  <northEast>
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                              <longitude>-2.4213</longitude>
                  </northEast>
      </boundingBox>
    </place>
</places>
```

Derived Variables

- To Date we have Calculated Variables (e.g. BMI)
- Derived Variables for statistical analysis
  - We need something like this for each YEAR:

	Alive		Deaths	
–	MALES	FEMALE	MALES	FEMALE
– 6-10 yrs	654	434	15	12

  - Discuss…

Thank you!