STANDARDIZED EUROPEAN ALCOHOL SURVEY
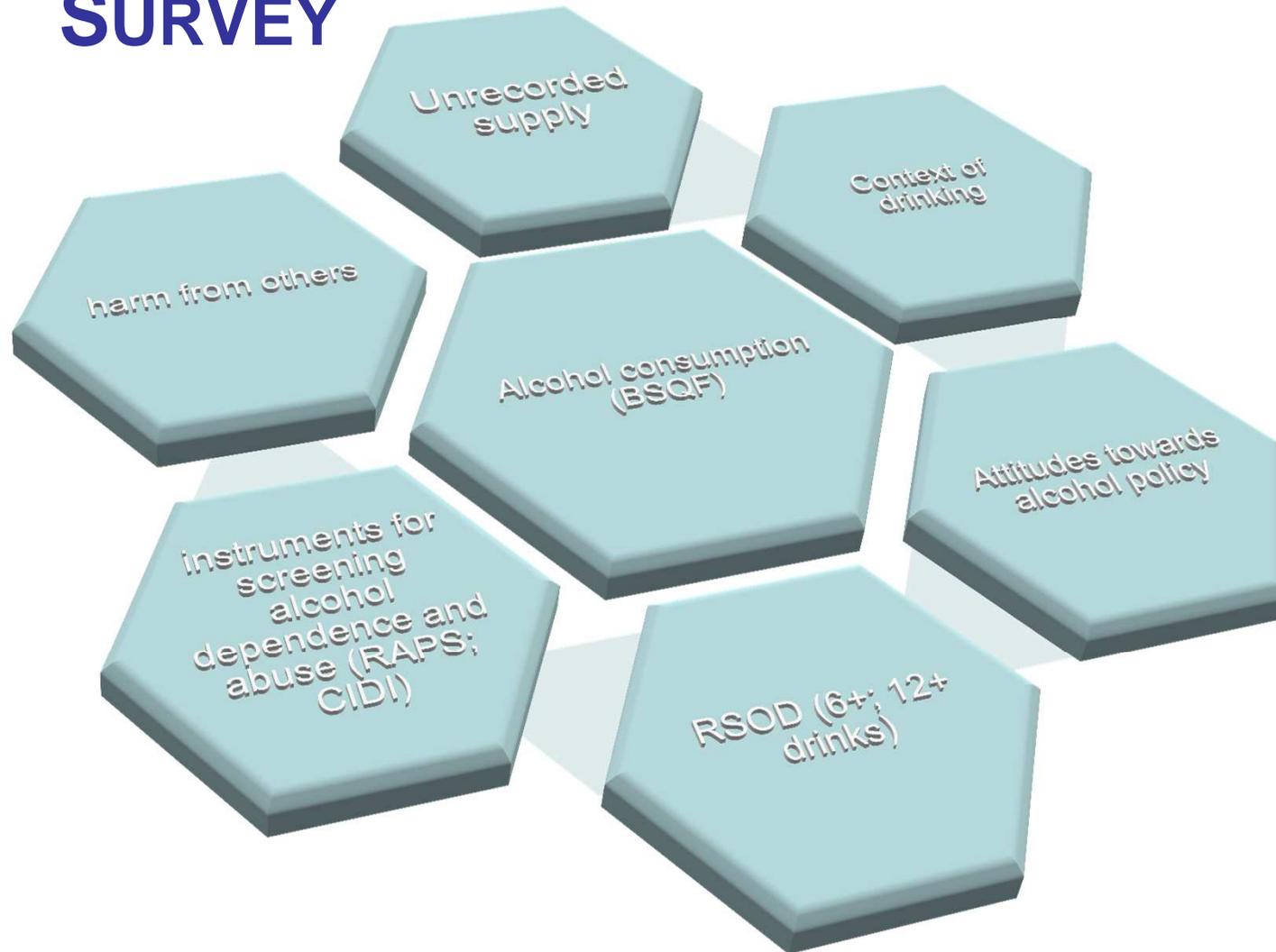# RARHA SEAS

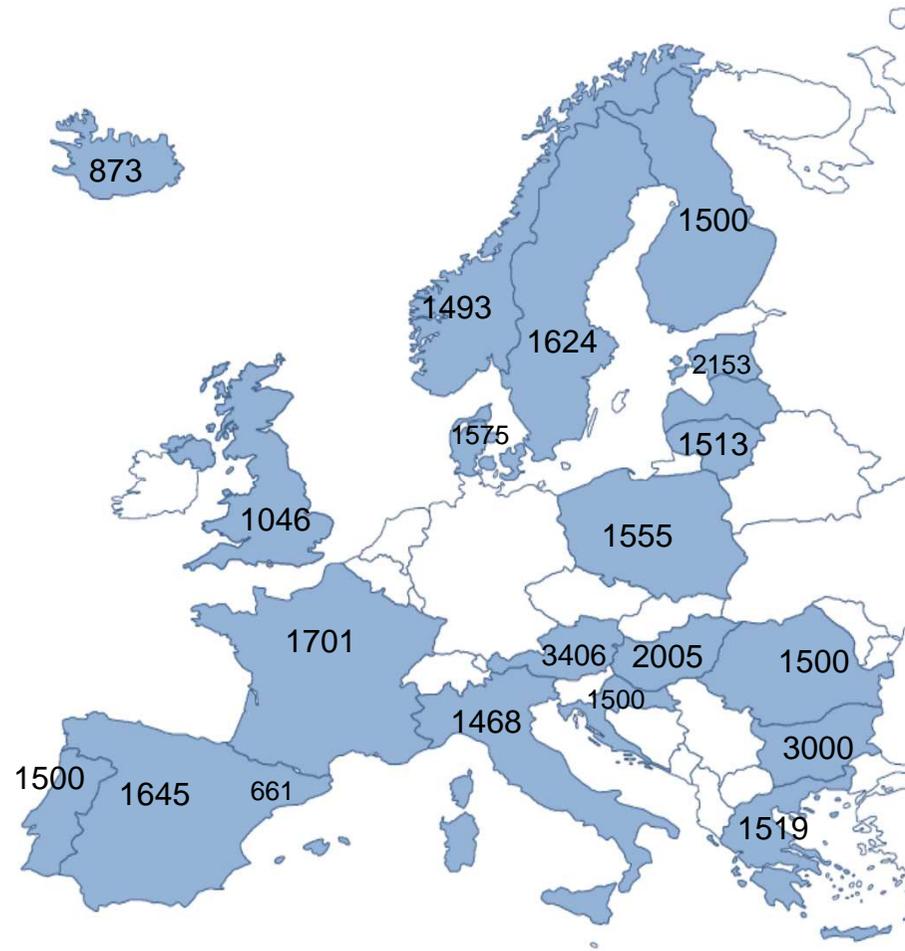JACEK MOSKALEWICZ & JANUSZ SIEROSŁAWSKI

EMCDDA EXPERT MEETING

LISBON, 19-20 SEPTEMBER 2016
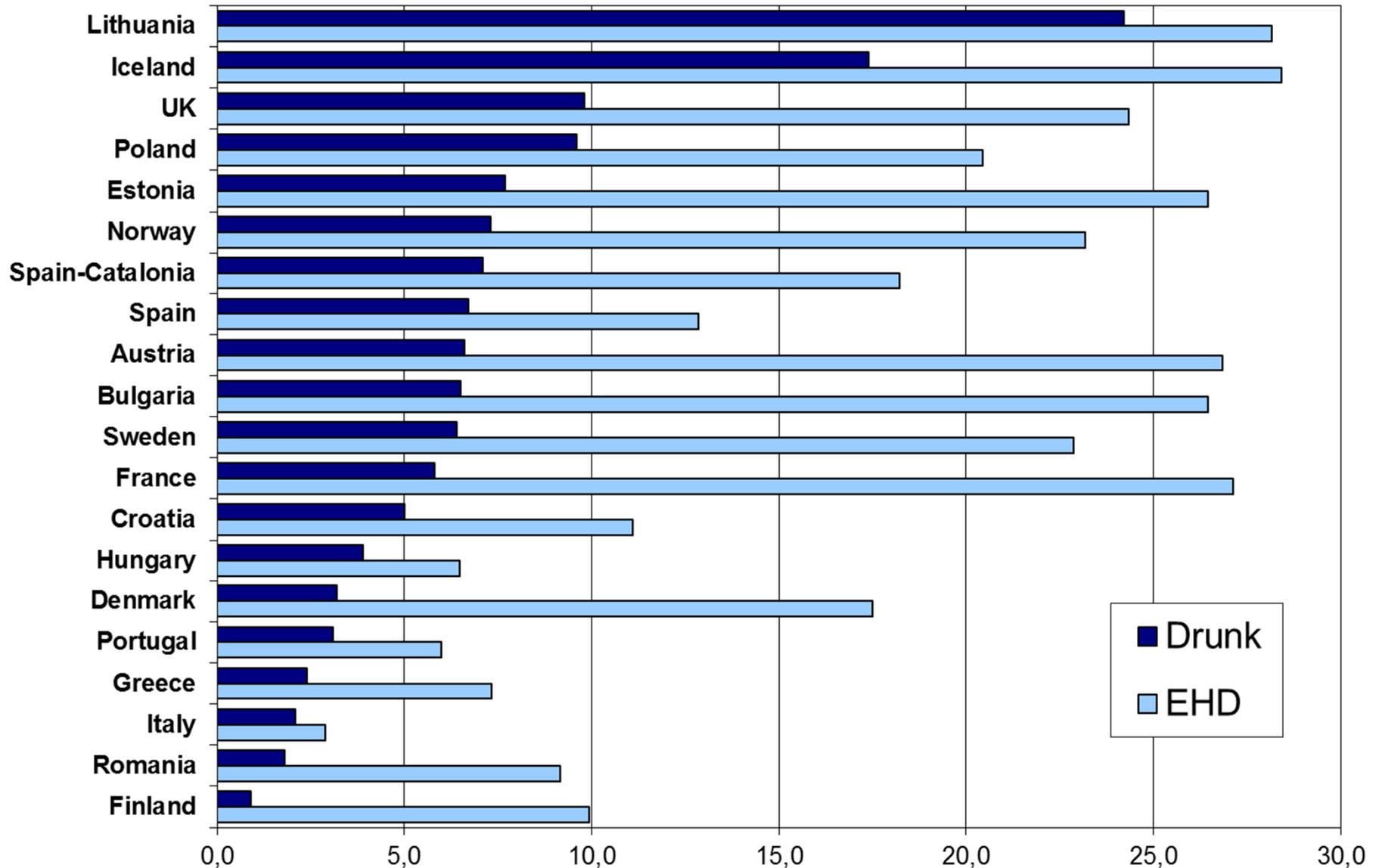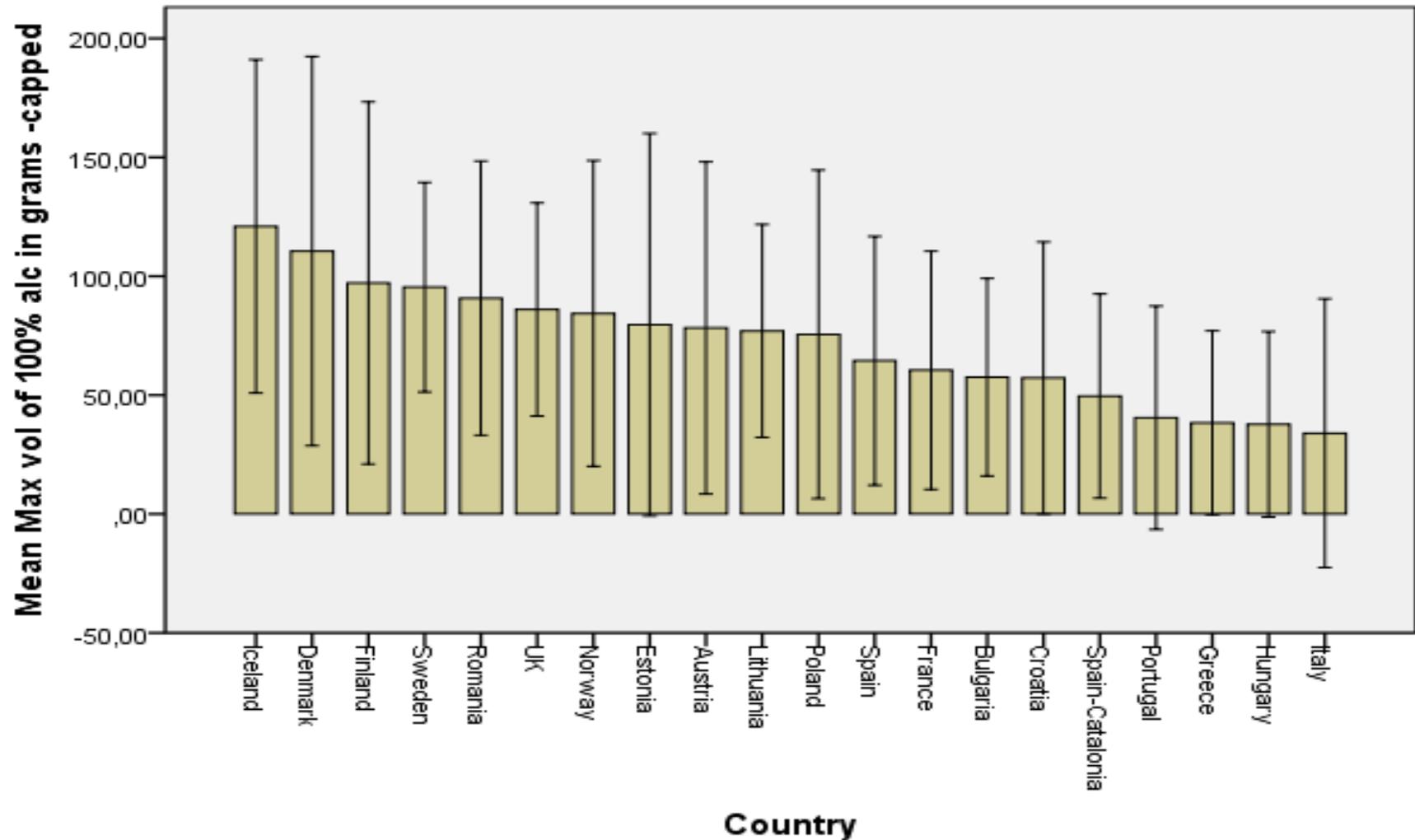
SEAS 🙂 PARTNERS

# Monthly prevalence of drunkenness and monthly RSOD (60+ grams males, 40+ grams females) (%)

Maximum volumes consumed on one occasion (Means and Standard Deviation)

Cases weighted by Weight gender age education region settlment size

Error bars: +/- 1 SD

ROC curve for RAPS against positive results of CIDI (DSM IV - Dependence) for Bulgaria, Lithuania, Poland, Portugal, Spain, Spain-Catalonia, UK

ROC Curve
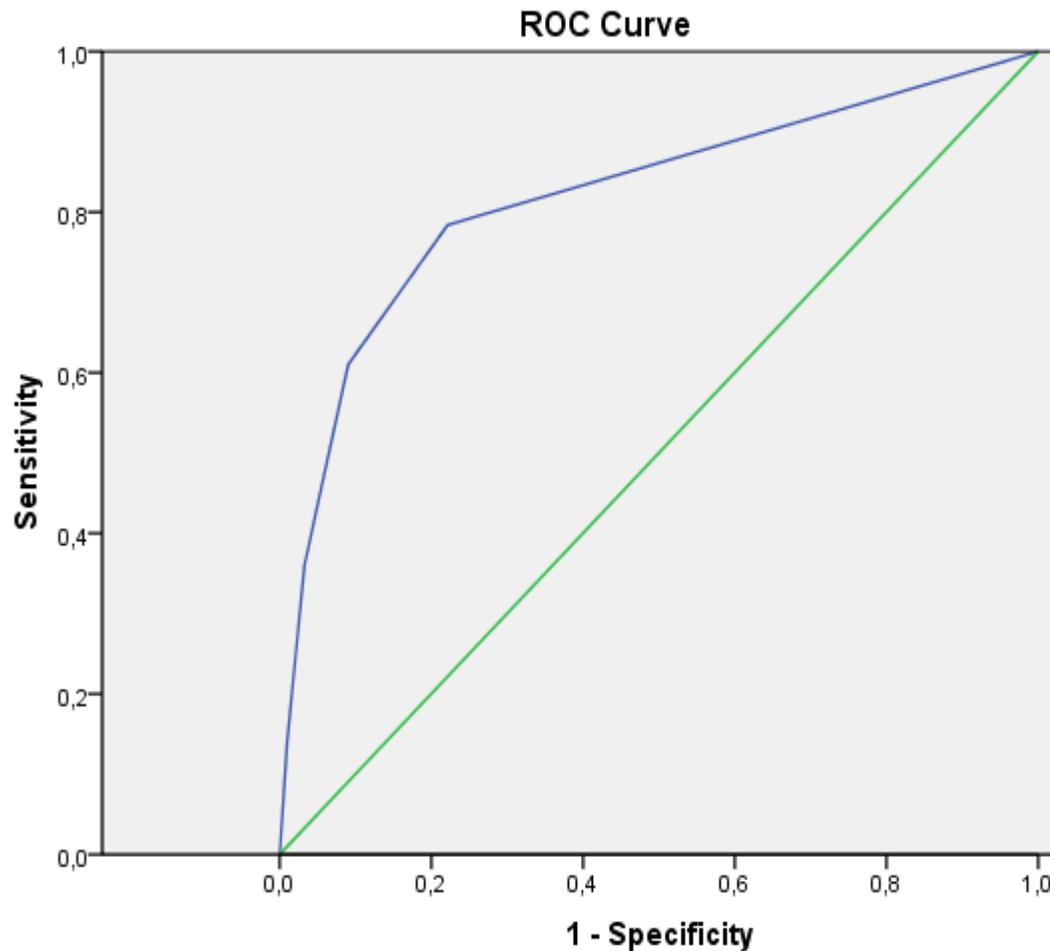
Diagonal segments are produced by ties.

	Sensitivity	Specificity
RAPS 1+	0,784	0,779
RAPS 2+	0,610	0,910
RAPS 3+	0,361	0,967
RAPS 4	0,139	0,990

Area Under the Curve

Test Result Variable(s): RAPS scores

Area	Std. Error[a]	Asymptotic Sig.[b]	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
0,820	0,011	0,000	0,798	0,842

ROC curve for RAPS against positive results of CIDI (DSM IV - Dependencee) by country

Country	Sensitivity	Specificity	Area
Bulgaria	0,620	0,769	0,721
Lithuania	0,780	0,527	0,745
Poland	**0,837**	**0,798**	**0,846**
Portugal	**0,900**	**0,907**	**0,925**
Spain-Catalonia	**1,000**	**0,886**	**0,969**
Spain	**0,830**	**0,856**	**0,881**
UK	**0,957**	**0,780**	**0,931**

ROC curve for RAPS against positive results of CIDI (DSM IV - Dependence) for Poland, Portugal, Spain, Spain-Catalonia, UK
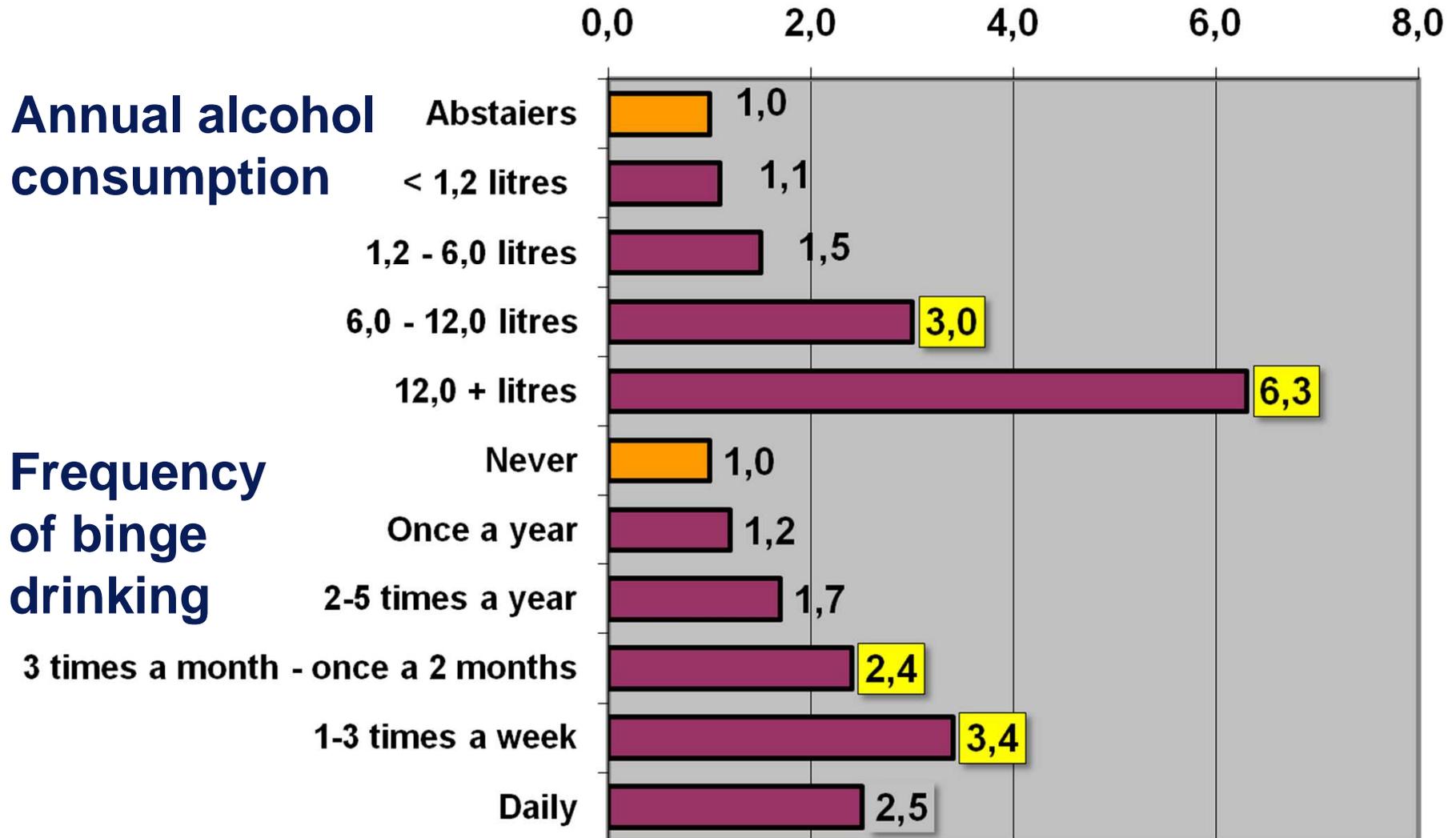

ROC Curve
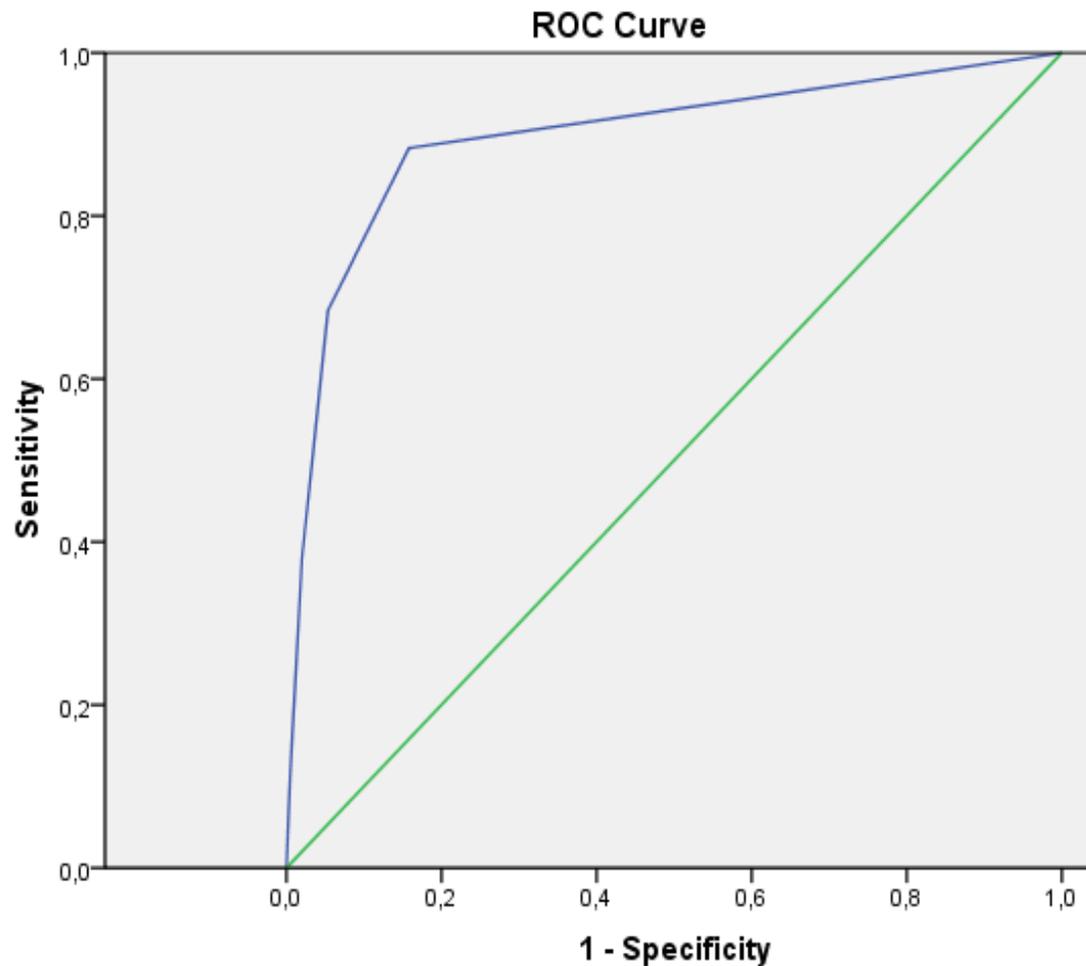
Diagonal segments are produced by ties.

	Sensitivity	Specificity
RAPS 1+	0,883	0,779
RAPS 2+	0,684	0,910
RAPS 3+	0,381	0,967
RAPS 4	0,117	0,990

Area Under the Curve

Test Result Variable(s): RAPS scores

Area	Std. Error[a]	Asymptotic Sig.[b]	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
0,896	0,013	0,000	0,871	0,922

Odds ratio for cannabis recent use (logistic regression model) – Polish GPS 2010

Annual alcohol consumption

Category	Odds ratio
Abstaiers	1,0
< 1,2 litres	1,1
1,2 - 6,0 litres	1,5
6,0 - 12,0 litres	3,0
12,0 + litres	6,3

Frequency of binge drinking

Category	Odds ratio
Never	1,0
Once a year	1,2
2-5 times a year	1,7
3 times a month - once a 2 months	2,4
1-3 times a week	3,4
Daily	2,5

Odds ratio for cannabis recent use (logistic regression model) – Polish GPS 2010
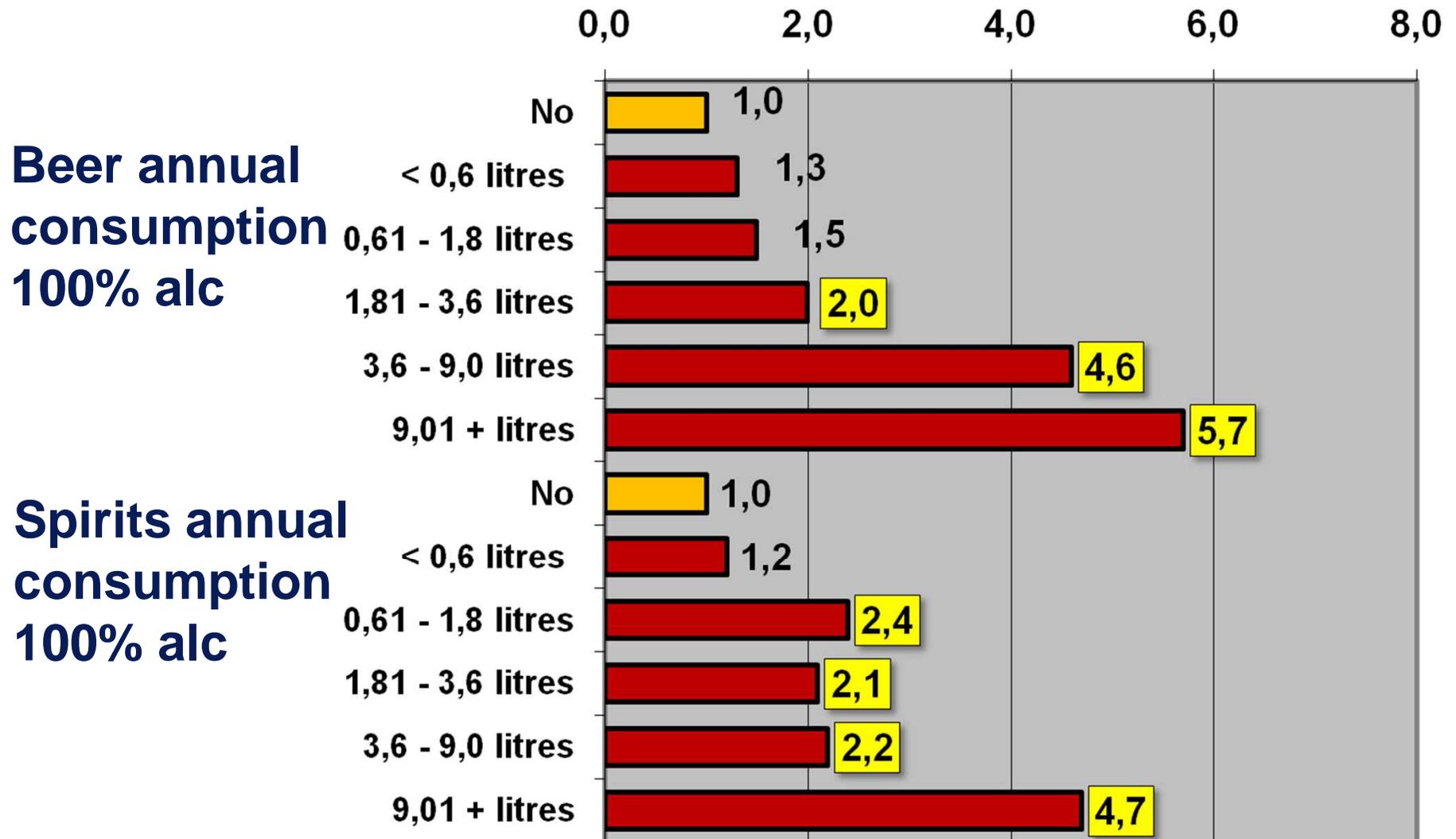
Conclusions

- RARHA SEAS works well in different cultures
- its BSQF section in combination with RSOD SECTION, including question on maximum volume gives estimate of annual consumption that include usual and binge drinking
- acc. to Polish experience annual alcohol consumption and beer and spirits consumption may be predictive of illicit drug use
- RSOD section offers higher estimates of binge consumption compared to its section on drunkenness
- RAPS works well as proxy of dependence and hazardous drinking in majority of countries, with some exceptions

Suggestions for alcohol section

- Beverage Specific Quantity Frequency
- General annual frequency
- Onset of drinking
- Last month prevalence
- Risky single occasion drinking
- Rapid Alcohol Problem Screen