

Swelogs, The Swedish longitudinal gambling study, 2008-2016

SNSUS, Stockholm
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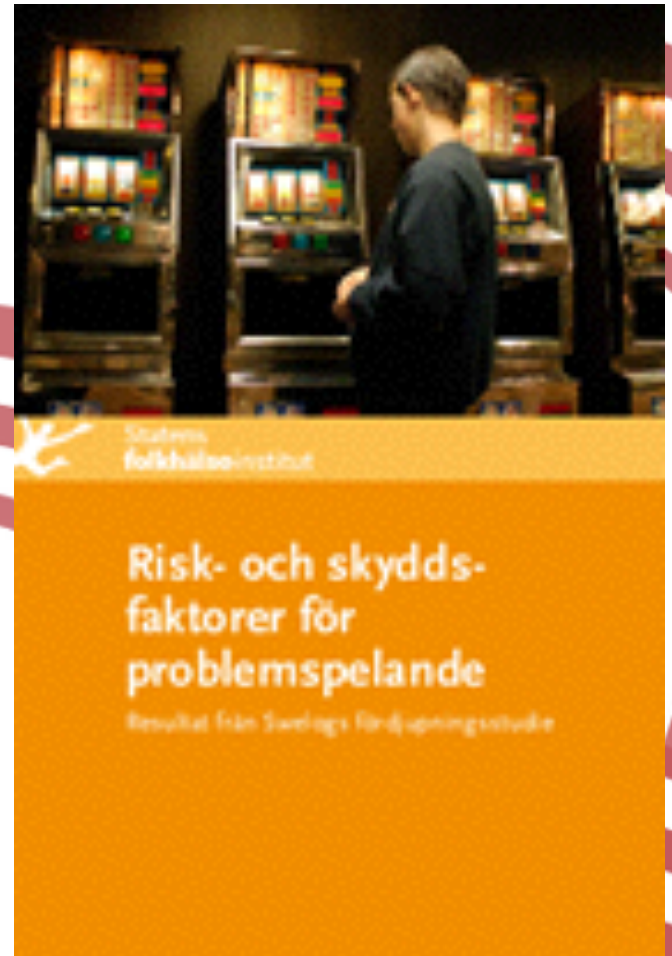
Swelogs' survey plan

	2008/2009	2009/2010	2011	2012	2013	2014	2015
Epidemiological Track	EP I N=15 000 16-84 yrs	EP II N=8 200 17-85 yrs		EP III N=7 100 19-87 yrs		EP IV N~7 000 21-89 yrs	
In-depth track			ID I N=2 400 18-86 yrs		ID II N~2 000 20-89 yrs		ID III N~2 000 22-91 yrs
Follow-up track	FU I N=578 23-83 yrs						

EP1 and EP2-reports translated



ID1-report



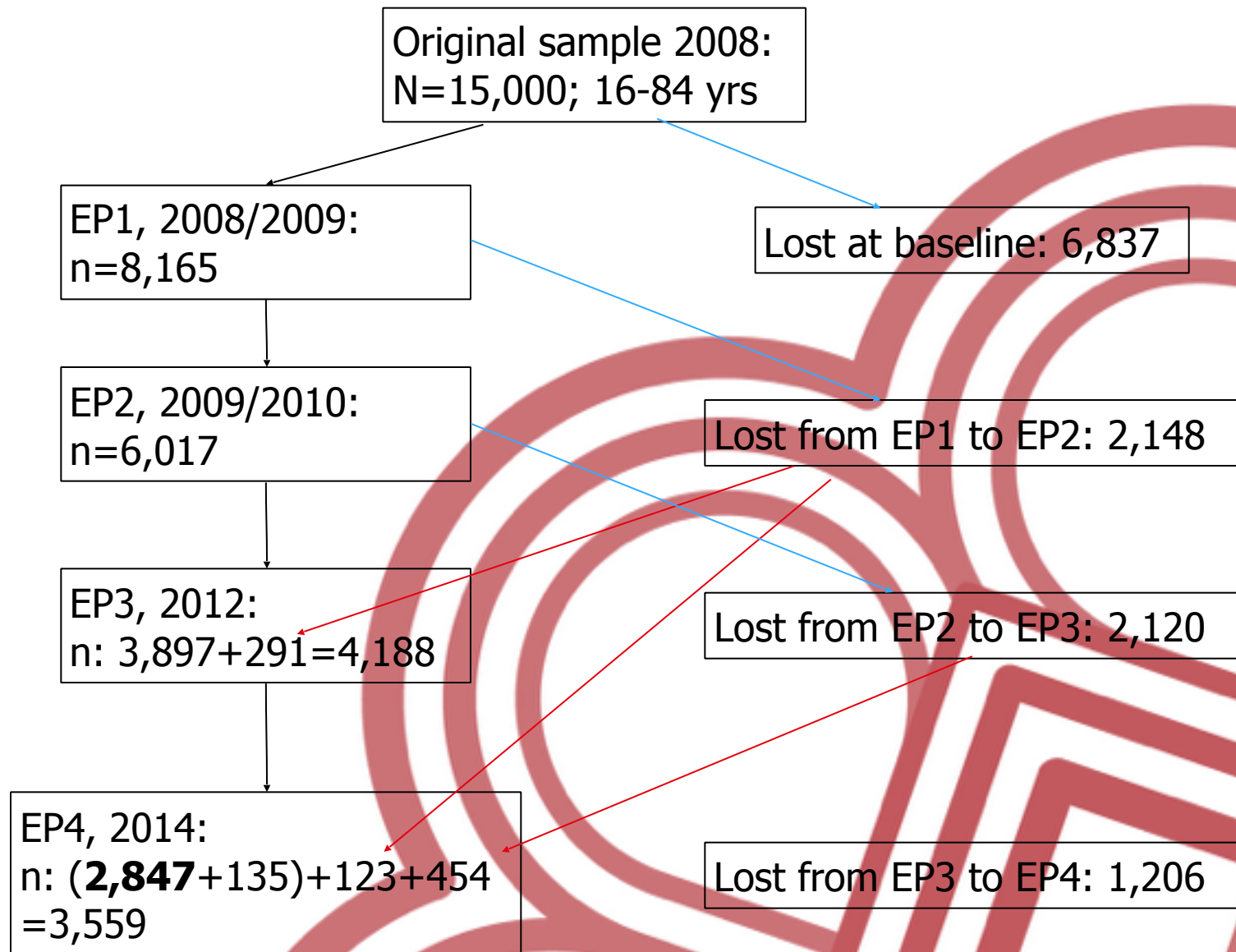
ID III

- ID III – changed from quantitative into a qualitative follow-up

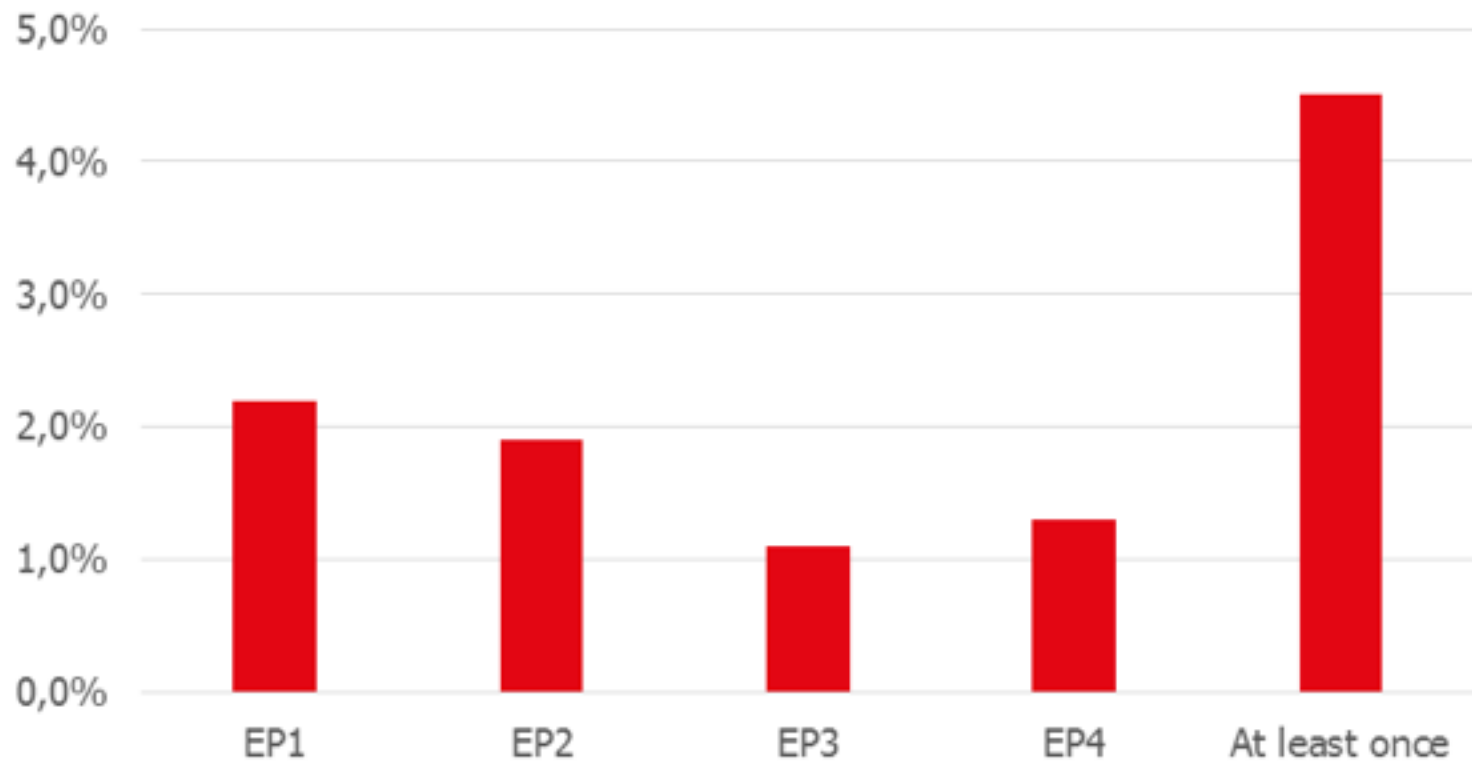


Follow-up; 11 years follow-up 1998-2009

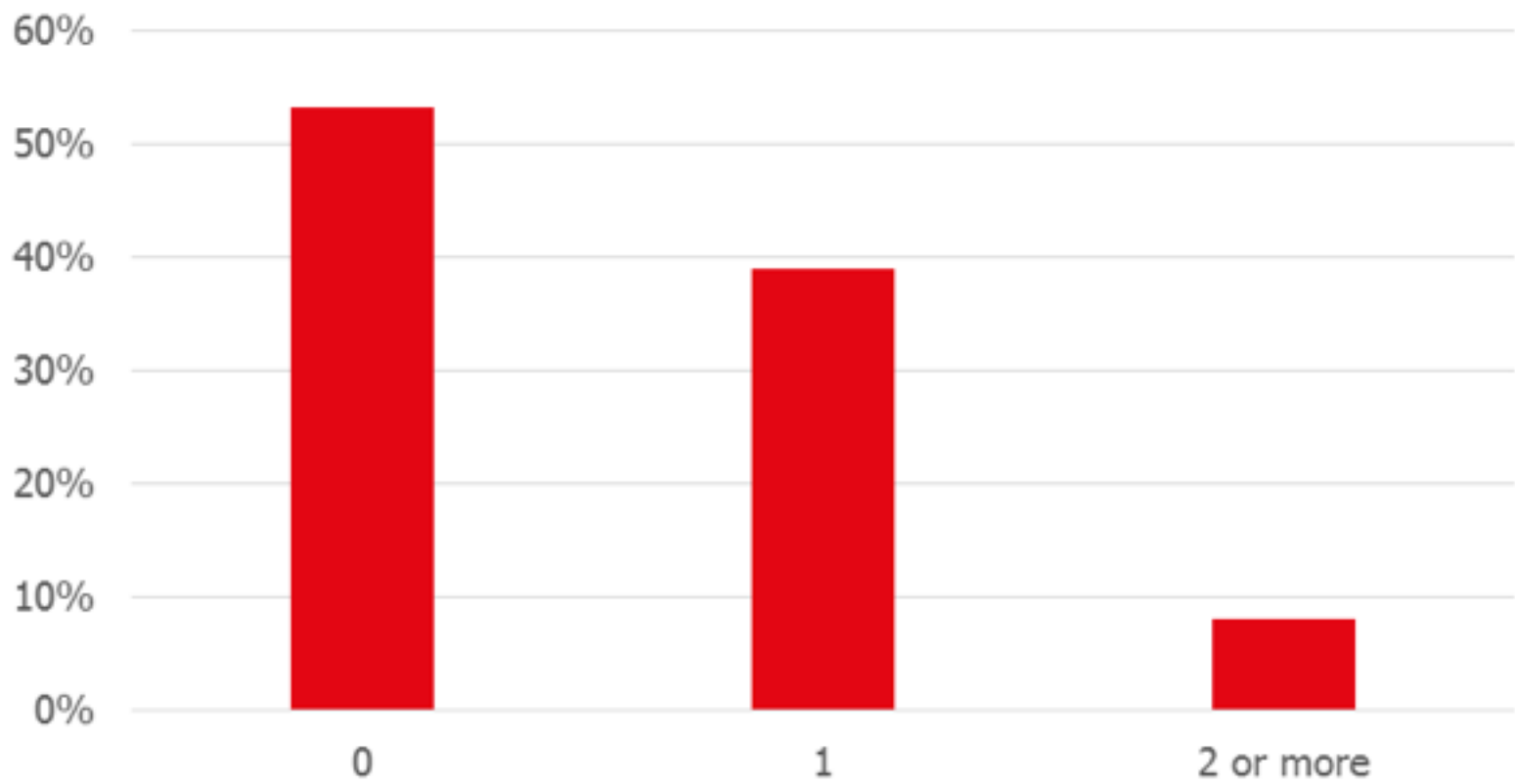




PGSI 3+

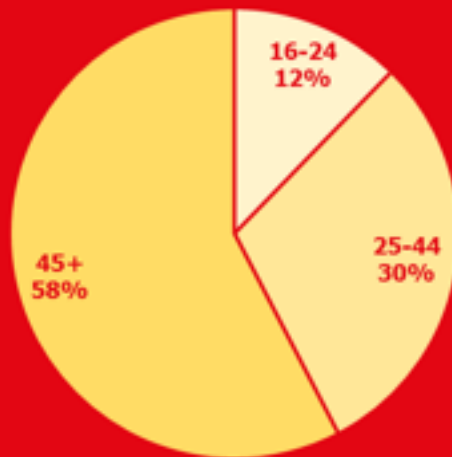


% women

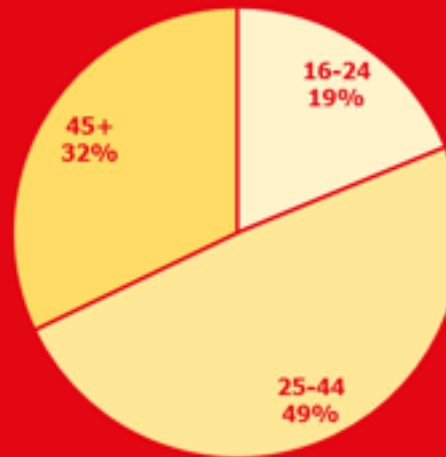


Age distributions

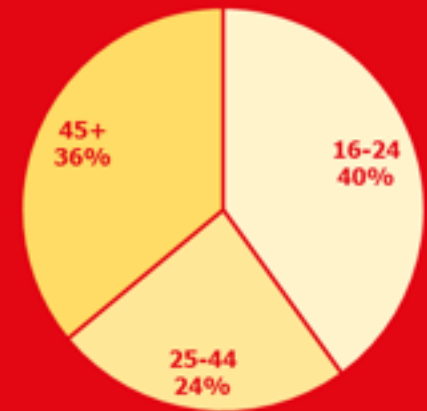
PGSI 3+ 0 TIMES



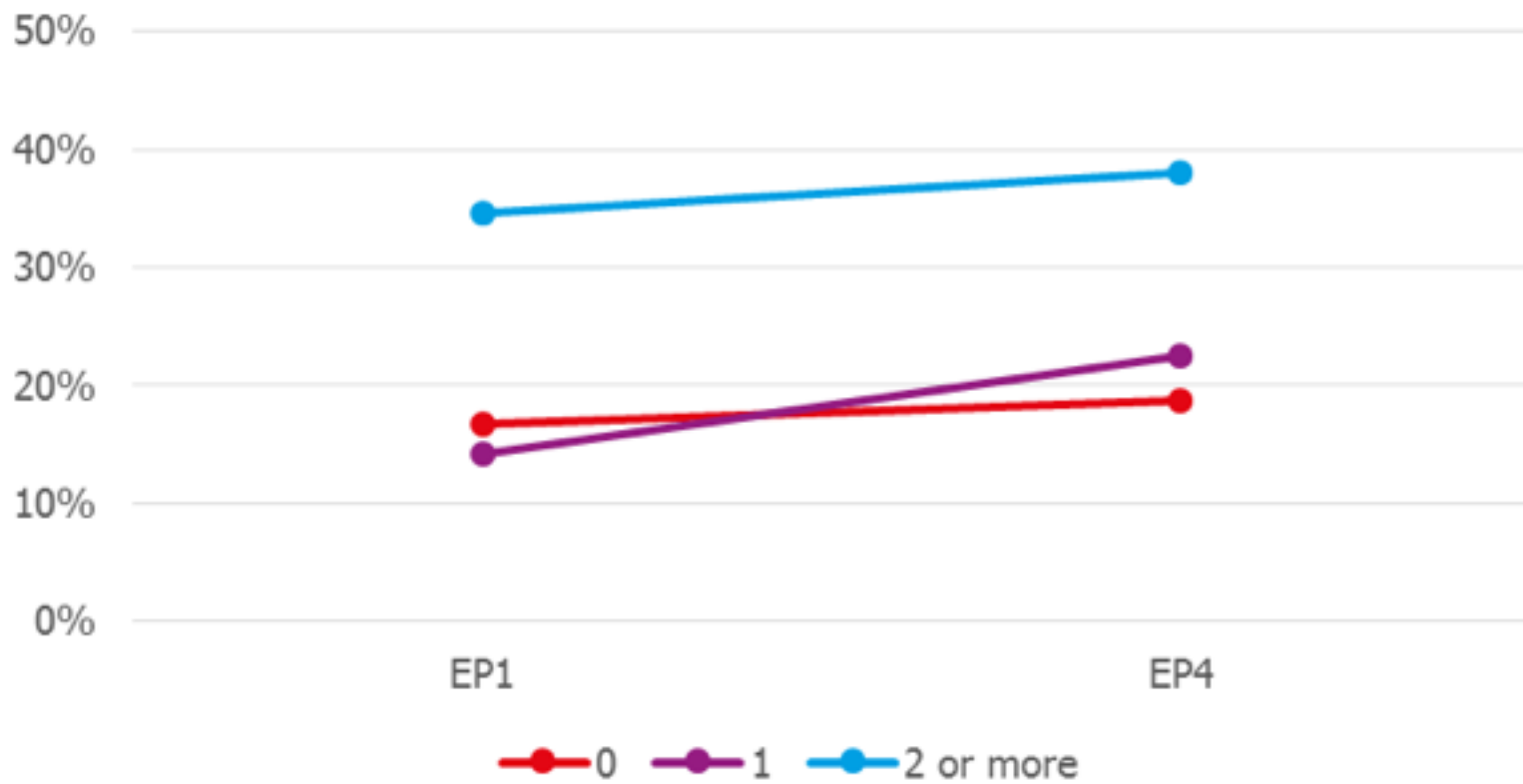
PGSI 3+ 1 TIME



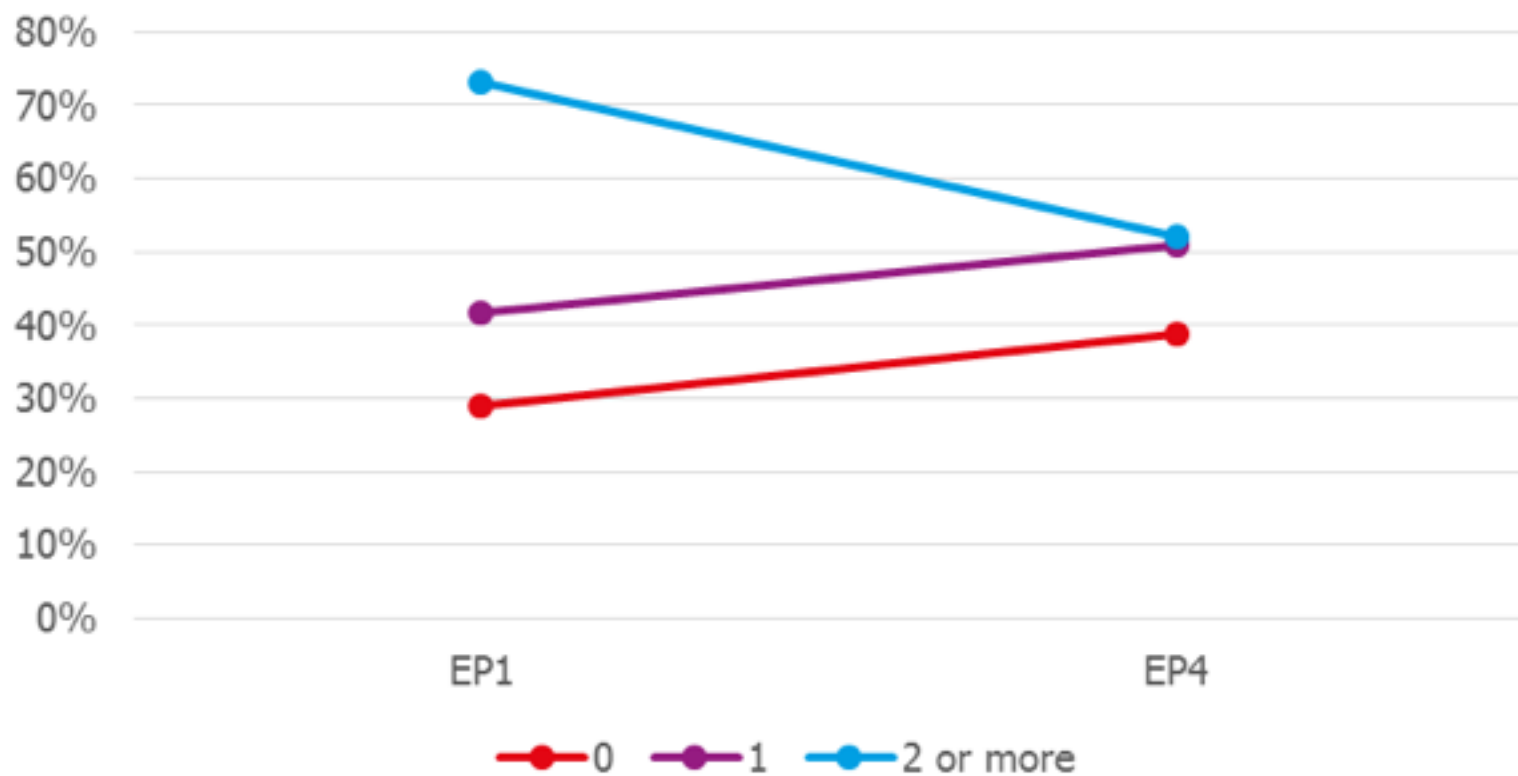
PGSI 3+ 2 TIMES OR MORE



Bad general health



Kessler-6 9+



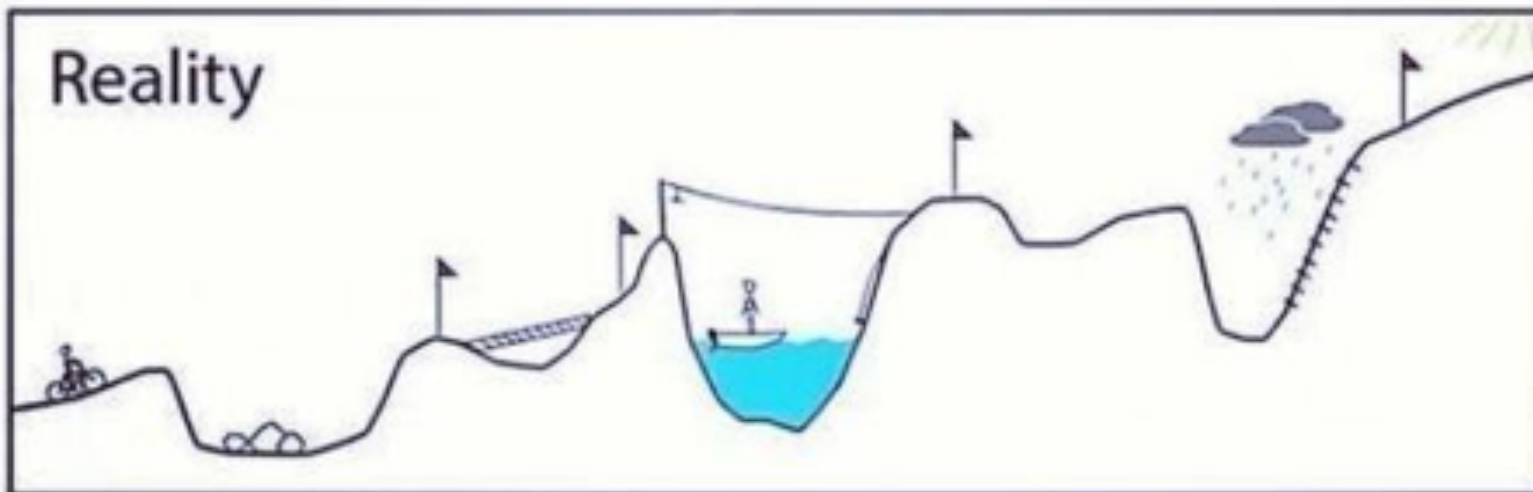
New prevalence study



Your plan



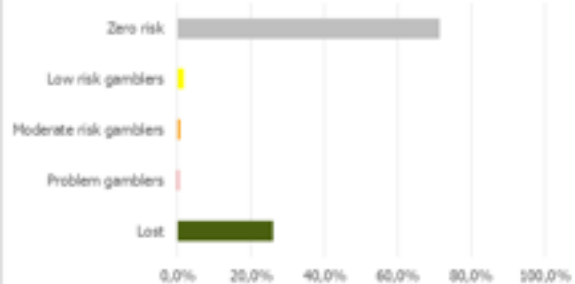
Reality



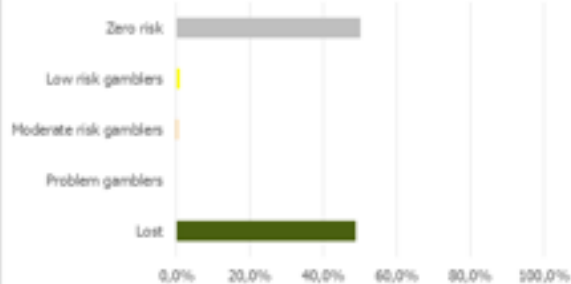
Five ways to study transitions:

- Transitions from Wave 1: how the Wave 1 PGSI risk groups moved over the waves of the study
- Transitions to Wave 3: where the Wave 3 PGSI risk groups came from in earlier waves
- Movers and non-movers: which PGSI risk groups changed or did not change
- Risk group stability in person-years: how stable PGSI risk categories were during the three waves
- Models of transitions: how likely PGSI risk groups are to change during the four waves

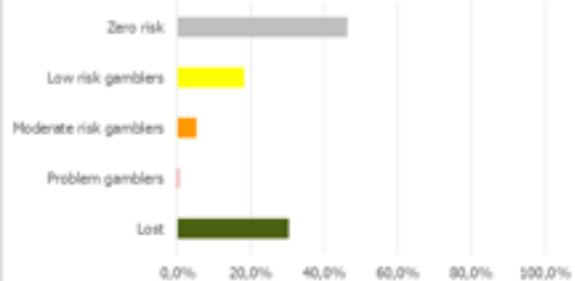
EP2 (Zero risk EP1)



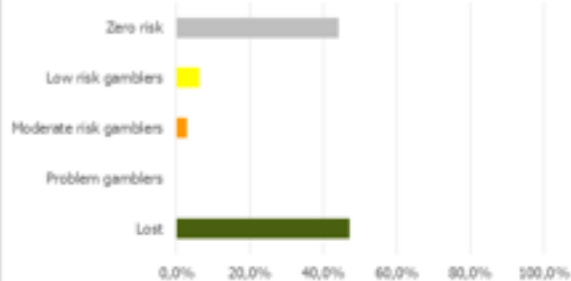
EP3 (Zero risk EP1)



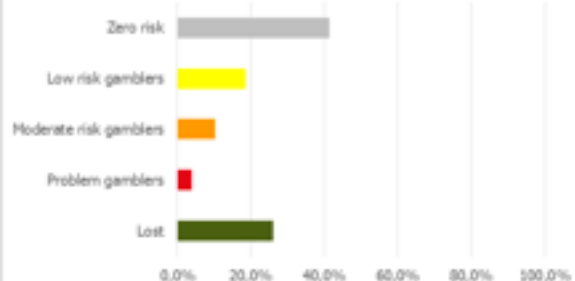
EP2 (Low risk gamblers EP1)



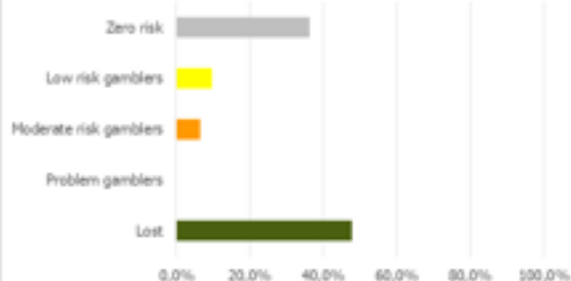
EP3 (Low risk gamblers EP1)



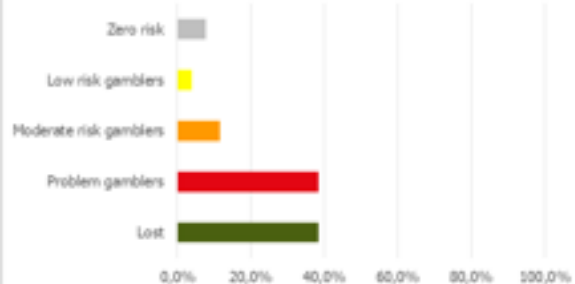
EP2 (Moderate risk gamblers EP1)



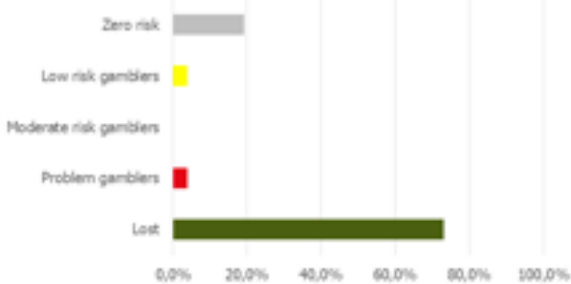
EP3 (Moderate risk gamblers EP1)



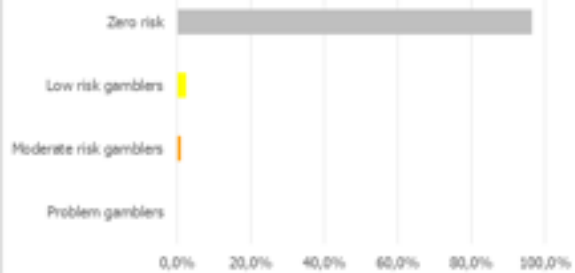
EP2 (Problem gamblers EP1)



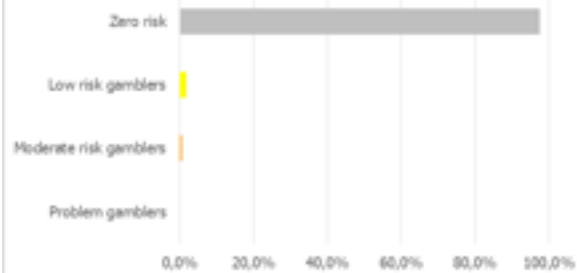
EP3 (Problem gamblers EP1)



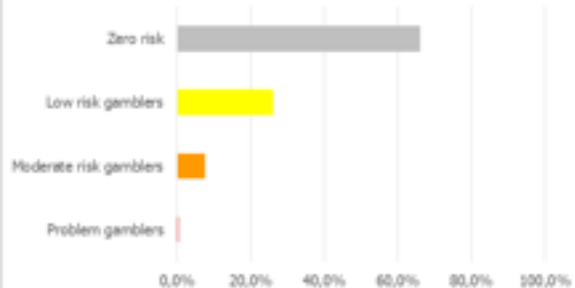
EP2 (Zero risk EP1)



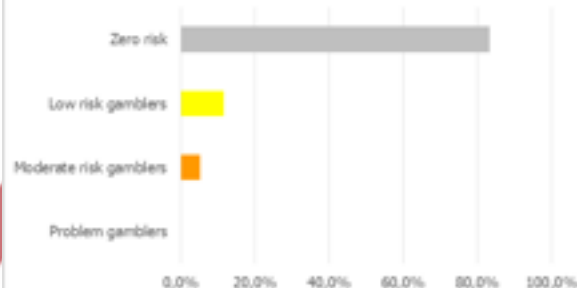
EP3 (Zero risk EP1)



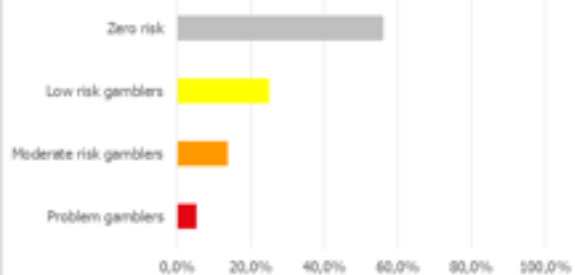
EP2 (Low risk gamblers EP1)



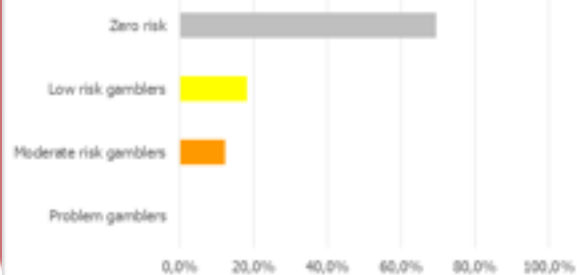
EP3 (Low risk gamblers EP1)



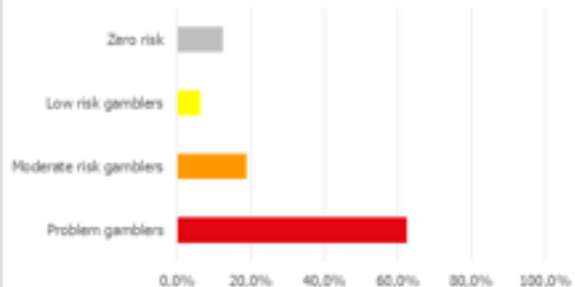
EP2 (Moderate risk gamblers EP1)



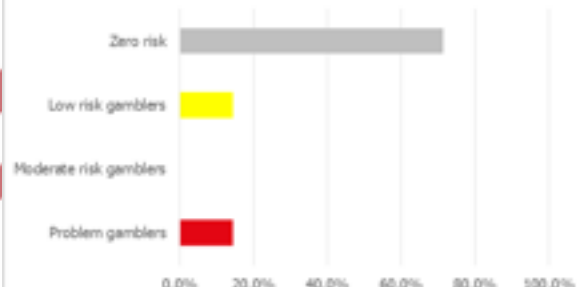
EP3 (Moderate risk gamblers EP1)



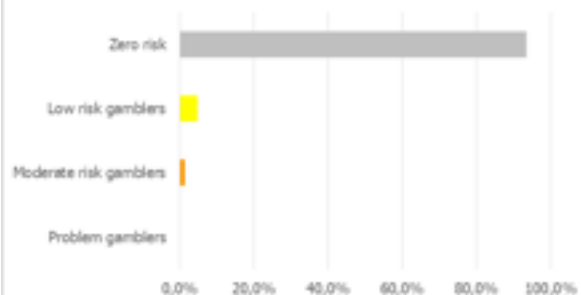
EP2 (Problem gamblers EP1)



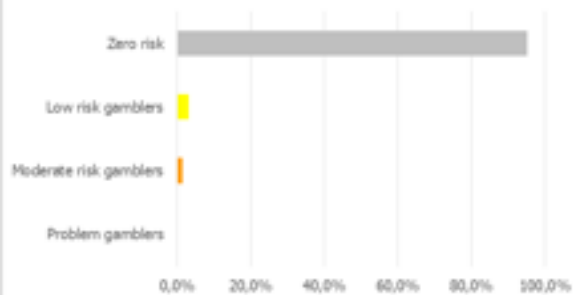
EP3 (Problem gamblers EP1)



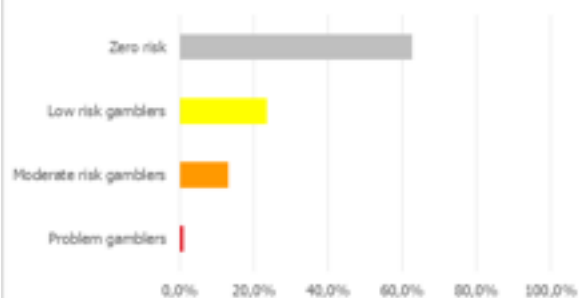
EP1 (Zero risk EP3)



EP2 (Zero risk EP3)



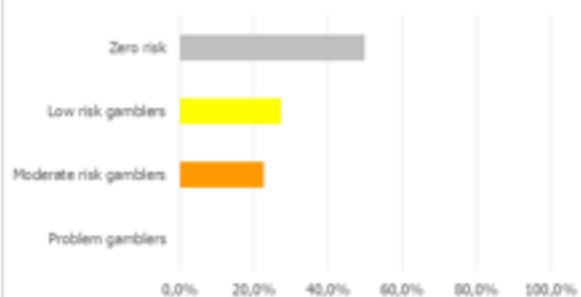
EP1 (Low risk gamblers EP3)



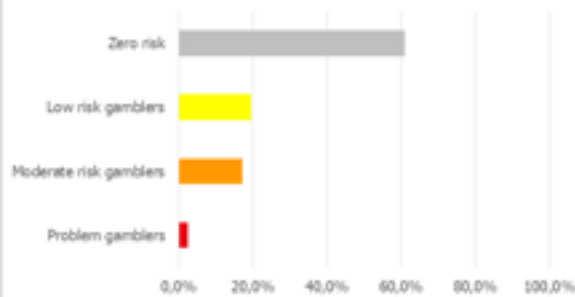
EP2 (Low risk gamblers EP3)



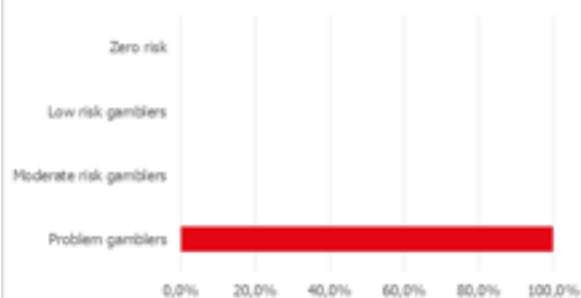
EP1 (Moderate risk gamblers EP3)



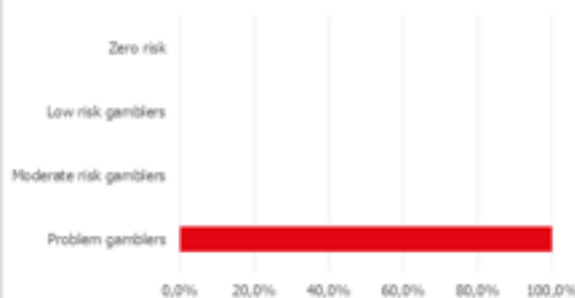
EP2 (Moderate risk gamblers EP3)



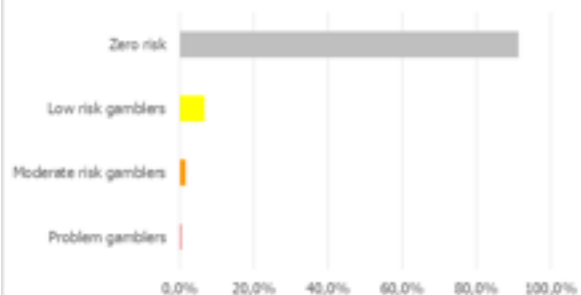
EP1 (Problem gamblers EP3)



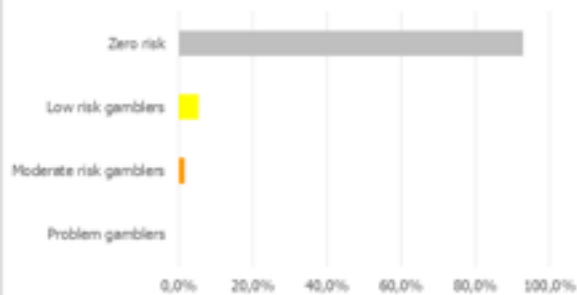
EP2 (Problem gamblers EP3)



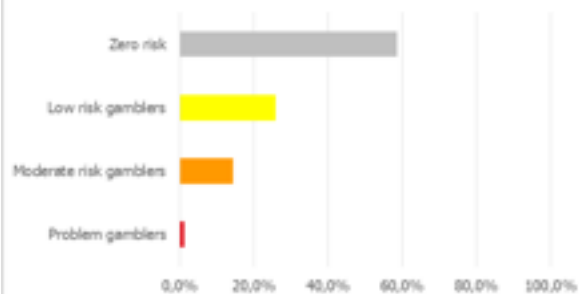
EP1 (Zero risk EP3)



EP2 (Zero risk EP3)



EP1 (Low risk gamblers EP3)



EP2 (Low risk gamblers EP3)



EP1 (Moderate risk gamblers EP3)



EP2 (Moderate risk gamblers EP3)



EP1 (Problem gamblers EP3)



EP2 (Problem gamblers EP3)



Movers and non-movers

Un-weighted PGSI-category	Mover		Non-mover		Total
	Number	%	Number	%	
Zero risk	286	8%	3223	92%	3509
Low risk gamblers	119	40%	175	60%	294
Moderate risk gamblers	61	66%	31	34%	92
Problem gamblers	1	50%	1	50%	2

Weighted PGSI-category	Mover		Non-mover		Total
	Number	%	Number	%	
Zero risk	201	5%	3532	95%	3733
Low risk gamblers	82	37%	137	63%	219
Moderate risk gamblers	36	48%	39	52%	75
Problem gamblers	4	100%	0	0%	4

Overall person-years by PGSI categories over EP1-EP3 for completed study sample

	un-weighted (n=3,906)		weighted (n=4,031)		Swelogs EP1 (weighted)
PGSI category	N:o of person- years	%	N:o of person- years	%	%
Non-gambler	4,023	34.3	3,415	28.2	29.4
Non-problem gambler	6,725	57.4	7,997	66.1	62.9
Low risk	714	6.1	481	4.0	5.4
Moderate risk gambler	230	2.0	185	1.5	1.9
Problem	26	0.2	15	0.1	0.3
Total	11,718		12,093		

Risk group stability:

Mean years=mean number observed years in the category.

Stability=% of the observed periods spent in the category

PGSI category	un-weighted			weighted		
	N:o persons at least once	Mean years	Stability (%)	N:o persons at least once	Mean years	Stability (%)
Non-gambler	2,130	1.9	63.0	1,862	1.8	61.1
Non-problem gambler	3,123	2.2	71.8	3,451	2.3	77.2
Low risk	569	1.3	41.8	380	1.3	42.2
Moderate risk gambler	197	1.2	38.9	163	1.1	37.8
Problem gambler	22	1.2	39.4	10	1.5	50.0

Predictors of transition in gambling risk status

- Predictors of transition from moderate-risk gambling to problem gambling
- Predictors of moderate-risk gamblers in all three waves
- Predictors of relapse moderate-risk gamblers versus incident moderate-risk gamblers
- Predictors of low-risk gamblers moving to moderate risk gamblers
- Predictors of lagged transition to higher risk gambling

Category	Wave 1	Wave 2	Wave 3	Victoria	Swelogs weighted	Swelogs un-
Persistent MPG	MPG	MPG	MPG	58	7	15
Persistent non-gamblers	NPG	NPG	NPG	2388	1768	1302
Persistent low-risk gamblers	LRG	LRG	LRG	26	13	23
Non-persistent MPG	MPG	<MPG	<MPG	31	69	59
Decreased high risk	MPG	<= MPG	<MPG	42	71	86
Relapse	MPG	<MPG	MPG	10	3	7
Incident	<MPG	<= MPG	MPG	69	31	42

LRG = Low risk gamblers, NPG = Non-problem gamblers, MPG = Moderate risk and problem gamblers