

Il mercato: quantità, consumi, valori

Una stima delle dimensioni del mercato delle sostanze stupefacenti e della sua incidenza sul prodotto interno lordo nazionale, attraverso un approccio lato domanda e lato offerta.

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Necessary data for estimating from demand side

- Number of consumer (N)
- Annual average consumed quantity (Q)
- Street price (P_d)

$$C = N * Q * P_d$$

Approach weakness

- Number of consumer and consumption behaviours are unknown and they need to be estimated or presumed

Number of consumer

- For N estimate we used:
 - Treatment center data (only for heroin)
 - Last year prevalence
 - Target population (15-64 years - about 39 millions)

<i>Substance</i>	<i>Total consumer</i>	<i>Regular</i>	<i>Occasional</i>
Heroin	306.539	210.680	95.859
Cocaine	855.272		
Cannabis	5.685.897		
Ecstasy	233.256		
Amphetamine	155.504		
LSD	233.256		
<i>Totale</i>	<i>7.469.724</i>		

Consumption behaviours

	<i>Frequency (days per year)</i>			<i>Quantity (grams or number)</i>	<i>Per-capita annual quantity (grams or number)</i>
	<i>1 - 5</i>	<i>6 - 19</i>	<i>At least 20</i>		
Heroin	31,3%		68,7%	0,4	80
Cocaine	59%	24%	17%	1,5	58,3
Cannabis	52%	20%	28%	1,5	90,2
Ecstasy	65%	25%	10%	1	9,2
Amphetamine	65%	25%	10%	1	9,2
LSD	79%	15%	6%	1	6,7

Prices

	Street prices (Euro)	Import prices (Euro - estimates)
Heroin	50,9	24,2
Cocaine	82,1	39,1
Cannabis	8,35	1,9
Ecstasy	18,8	6,7
Amphetamine	17,9	6,4
LSD	29,2	9,1

Necessary data for estimating from supply side

- Quantity seized (S – average 2005-2008)
- Rate of seizures (sr – substance specific)
- Street prices (P_d)
- Purity degrees, gross (pu_i) and retail (pu_d) level

$$C = S * \left(\frac{1}{sr} - 1 \right) * \left(\frac{pu_i}{pu_d} \right) * P_d$$

Approach weakness

- Seizures:
 - Are highly variable year by year (with regard to substance too) and depend on law enforcement (use of average data)
 - Often are not distinguished by origin/destination
- Data on purity degree are poor

Estimates results

<i>Substance</i>	<i>Supply (A)</i>	<i>Demand (B)</i>	<i>Difference (A-B)</i>
Eroina	855	868	-13
Cocaina	3.963	4.096	-133
Cannabis	4.390	4.248	142
Ecstasy	38	40	-2
Amfetamina	25	26	-1
LSD	29	46	-17
TOTALE	9.299	9.360	-61

Milions of euro

- About 0,6% of Italian GDP
- About 0,7% of Italian value added