



SESSIONE VII – EXPLOITING THE POTENTIAL OF STATA 19, III

Geographic Distribution of Smoking and High-Risk Alcohol Consumption in Italy: A Quintile-Based Approach Using PASSI Surveillance Data

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Large population-sample behavioural multirisk monitoring systems: PASSI & PASSI d'Argento



- **BRFSS adults** (18-69 yy)
- **BRFSS elderly** (65+ yy)
- In Italy, the two systems providing **continuous data collection** allow the delivery of public health profiles as tools for decision-makers to plan, evaluate and re-orient health services, and this model – partly or fully – will be studied for implementation or adaptation in other European countries.
- They have been defined also as “**high-resolution tools for action in Public Health**”



Population surveillances

Children aged 0-2 years

The surveillance of children aged 0-2 years investigates the determinants of health in early childhood

Children aged 6-10 years

OKkio alla Salute focuses on health promotion and healthy growth in children

Adolescents aged 11-15 years

HBSC provides a snapshot of young people's health and social context

Adolescents aged 13-15 years

La Global Youth Tobacco Survey (Gyts) indaga l'uso del tabacco fra i giovani

Adults aged 18-69 years

The PASSI surveillance monitors health in the adult population across Italy

Elderly aged 65+ years

The Passi d'Argento surveillance monitors health in the elderly population across Italy

- ***Prevention*** as key for future health
- ***Health*** as universal right: challenges in a transforming society
- ***Local*** practices and experiences
- ***Surveillances*** as tools for action

Real-world “voice” from the population



- Surveillance systems such as PASSI and PASSI d'Argento aim to establish a specific database at **local level**, continuously updated, in order to monitor trends of risk factors and preventive measures
- The shift from cross-sectional surveys to **ongoing monitoring** entails different ways of collecting and interpreting data.
- **Continuous data collection** allows to grasp aspects which could not be perceived otherwise (such as trends or rapid changes of some variables in association with public health actions, natural events, etc).
- The results of PASSI and PASSI d'Argento surveillances confirm the idea that the progress of a health care system requires **greater interaction between service supply and care providers on one side and demand from users on the other**.
- PASSI and PASSI d'Argento are a real opportunity of **empowerment** for the health system especially at community level.

PASSI and PASSI d'Argento

- Data are collected on age-gender representative samples of non-institutionalized citizens, by telephone interviews which specifically trained staff of the Local Health Units (LHUs) administer using a standardized questionnaire.
- Records collected during a 11-month calendar year are aggregated in an annual data set.
- LHUs' data are merged and analyzed to obtain regional and national estimates.

- **Study design** - cross-sectional with continuous data collection; the units of data collection are the Local Health Units (LHUs),
- **Sampling design** - proportional by sex and age monthly sample extracted from the list of each participating LHU
- **Data collection** - Specifically trained LHU professionals interview sampled individuals by administering a standardized questionnaire on the phone (face-to-face interview in elderly people who expressly ask for)
- **About 35,000 subjects aged 18-69 years are interviewed every year in PASSI**
About 13,000 subjects aged over 65s are interviewed every year in PASSI d'Argento

Main topics under study

PASSI (18-69yy)

- **Lifestyles and behavioral risk factors** (alcohol consumption, smoking, physical inactivity, obesity and overweight, inadequate fruit and vegetable consumption, use of salt)
- Prevalence of the major **Non Communicable Diseases** (diabetes, BPCO, stroke, ecc.)
- **Cardiovascular risk factors** (such as hypertension)
- Perceived **physical and psychological well-being**, some aspects indicating the quality of life, and **depressive symptoms**
- Advice and **counselling** provided by general practitioners or other healthcare professionals about promoting healthy habits
- Anti-flu vaccination

- Compliance with the three main **cancer screenings** (cervical, breast, colorectal)
- **rubella vaccination uptake**
- **road safety measures** or **home injuries**
- health-related issues about **pregnancy and breastfeeding**

PASSI d'Argento (65+yy)

- **Falls**
- Use of **drugs** and **medicaments**
- **Sight, hearing** and **chewing** problems
- **Social isolation** signs, participation in social life
- **Access** to health care
- Level of **autonomy** (using the Katz Index of Independence in Activities of Daily Living (**ADL**))
- Lawton Instrumental Activities of Daily living (**IADL**) assessment

Tobacco smokers

- Current tobacco smokers in PASSI are defined as respondents falling in **all the following categories**:
 - *People aged 18–69*
 - *who report having smoked at least 100 cigarettes (5 packs of 20) in their lifetime (WHO definition)*
 - *and who are current smokers at the time of the interview,*
 - *or who quit smoking less than 6 months ago.*

Periodo 2023-2024

Percentuali per Regione

Indicatore: Fumatori ☒ Dati standardizzati ☐ Dati grezzi

Dati standardizzati

Fumatori per regione di residenza

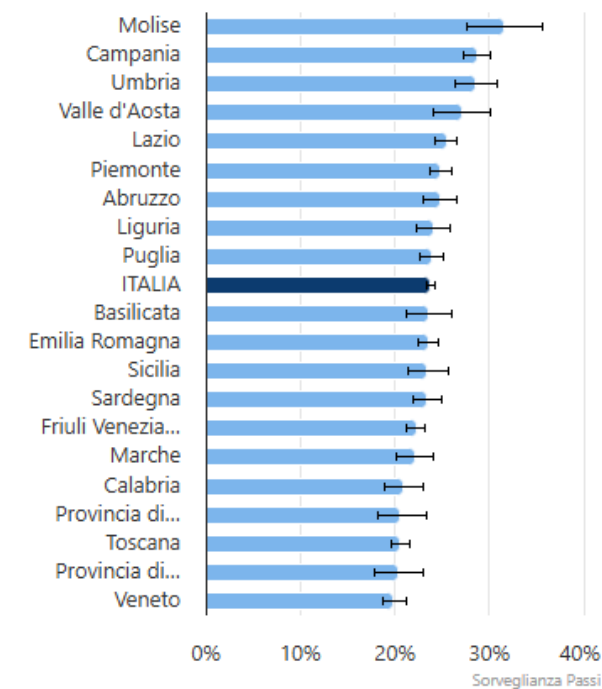
Passi 2023-2024



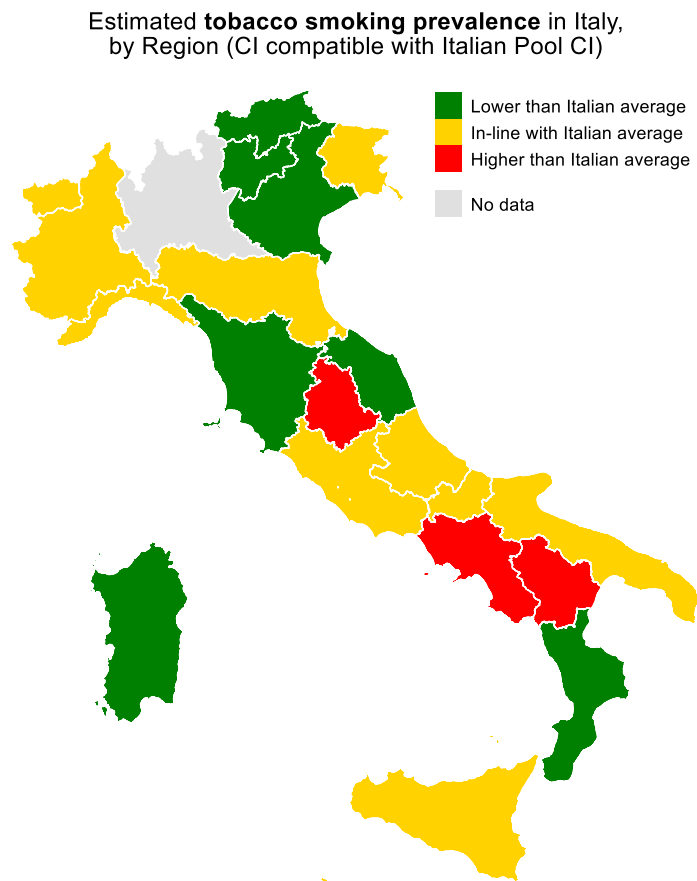
Sorveglianza Passi

Fumatori per regione di residenza

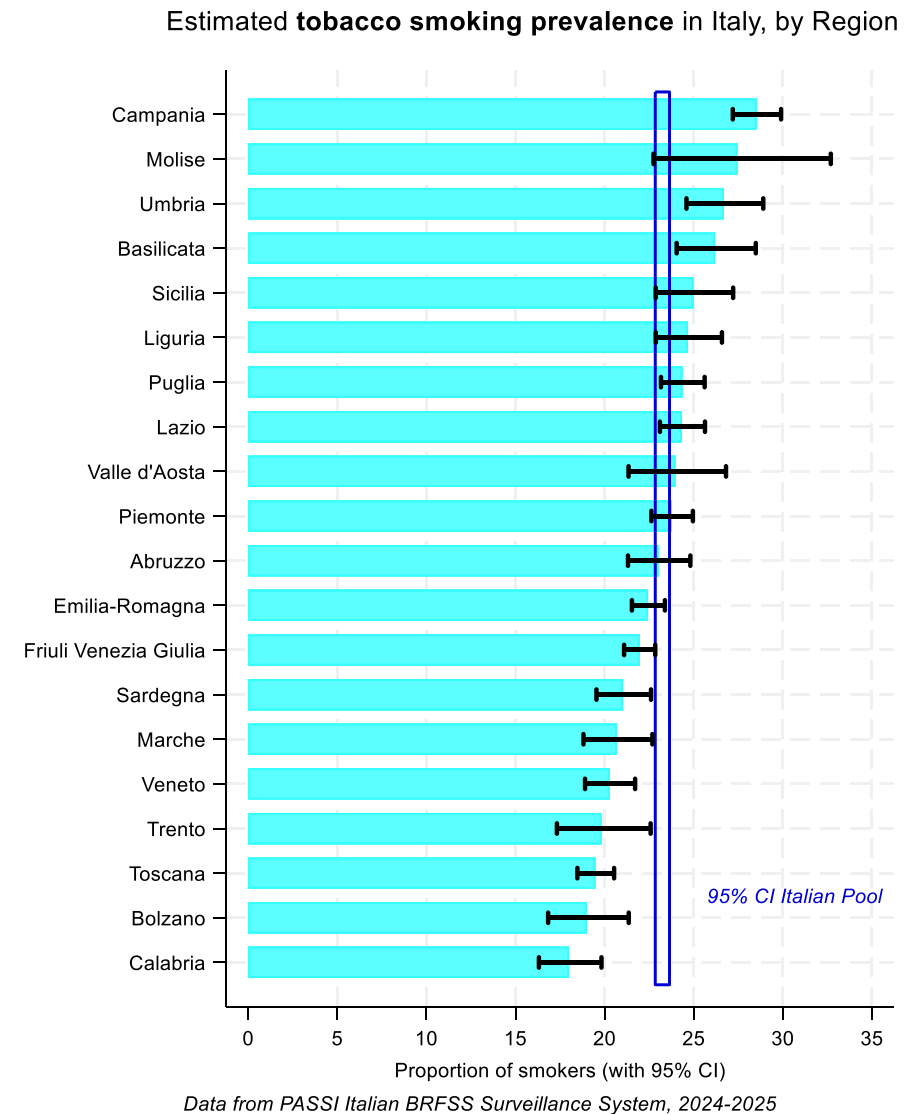
Passi 2023-2024

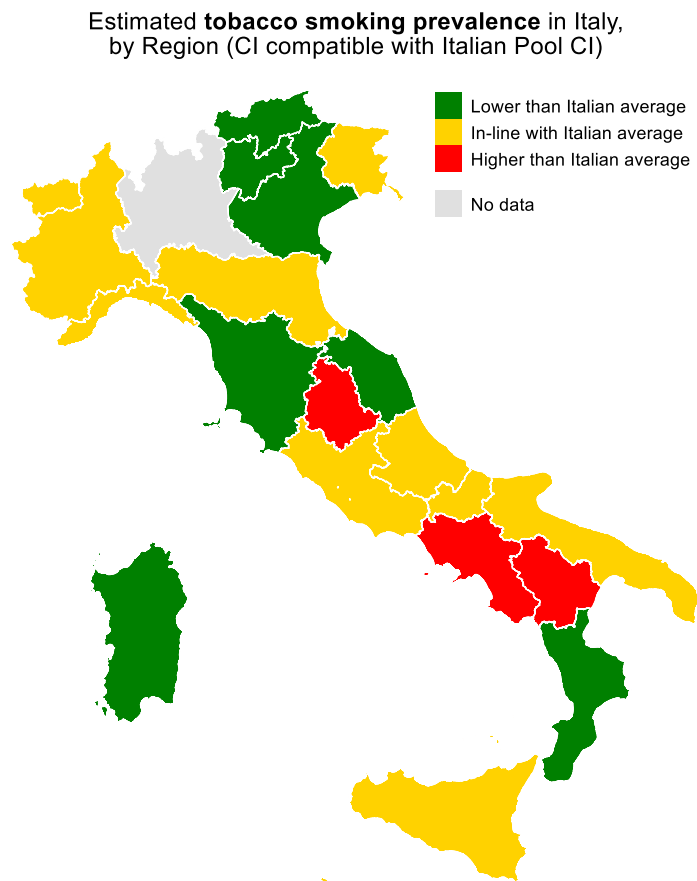


☐ Mostra valori

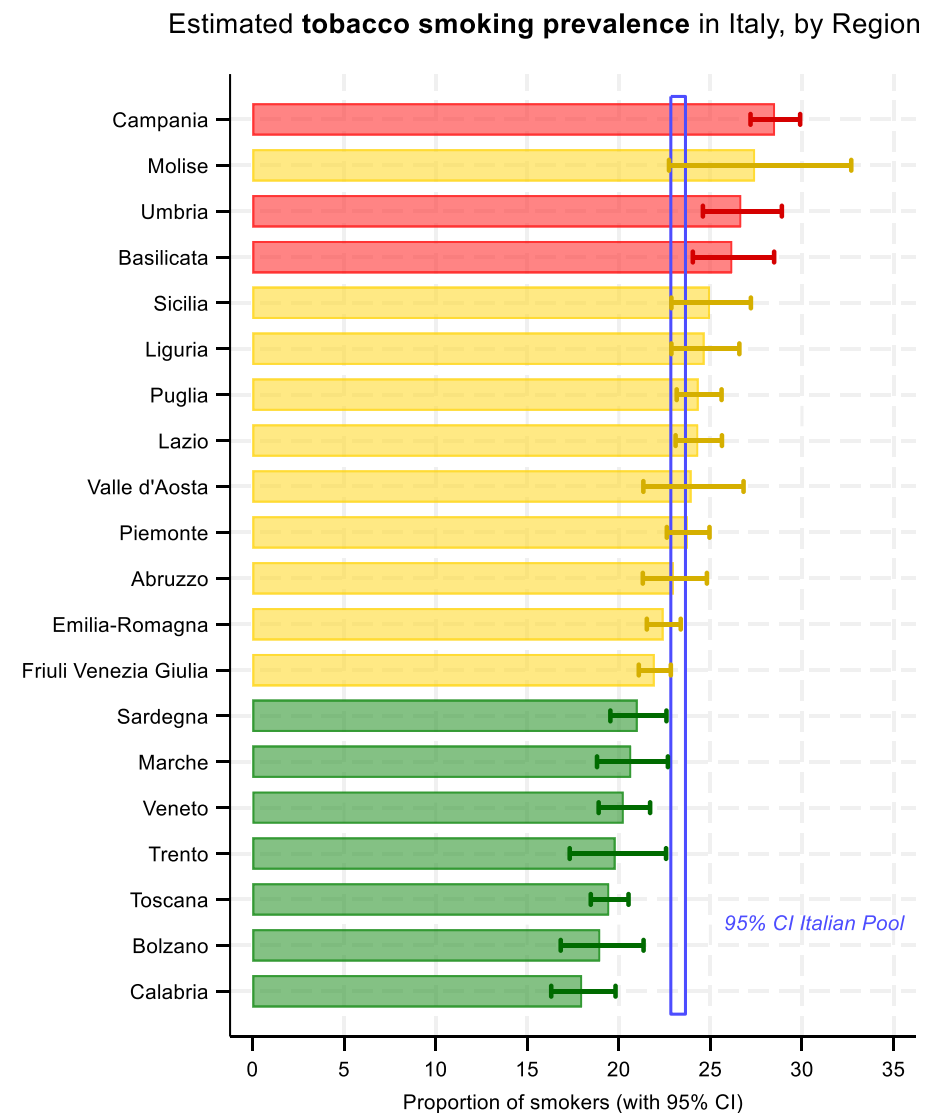


Data from PASSI Italian BRFSS Surveillance System, 2024-2025





Data from PASSI Italian BRFSS Surveillance System, 2024-2025

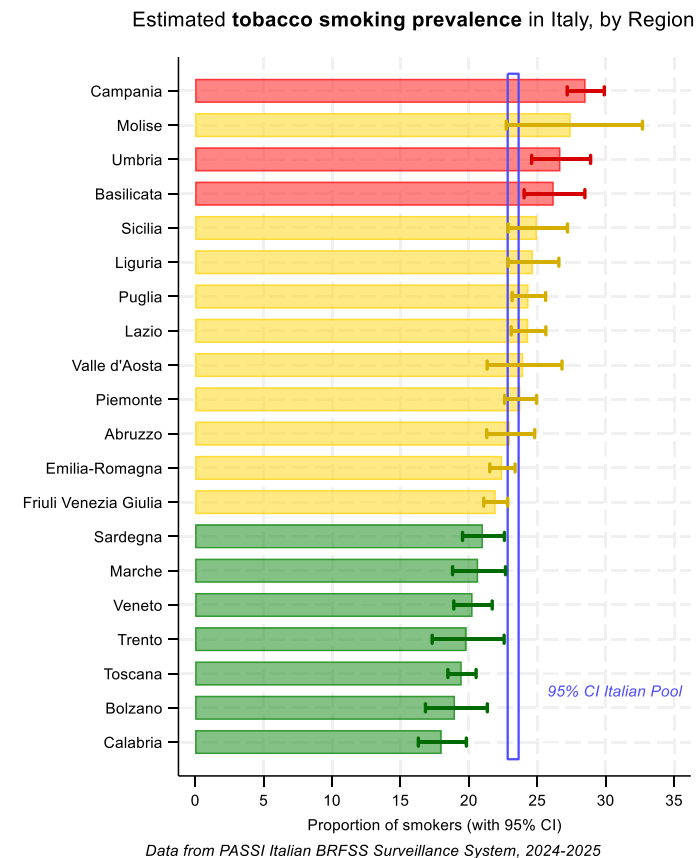


Data from PASSI Italian BRFSS Surveillance System, 2024-2025

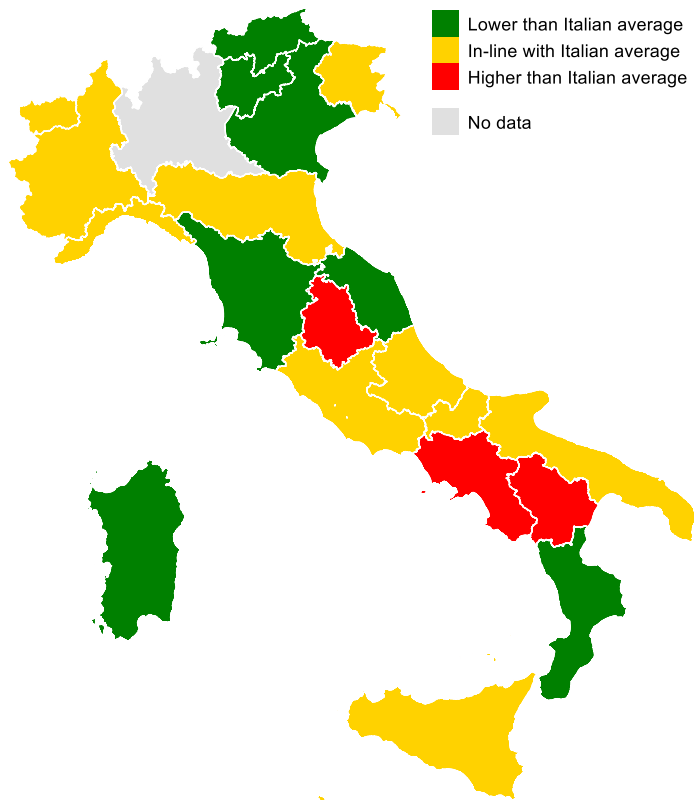
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57
58 twoway ///
59 (bar prop_fum nomereg if prop_fum!=. & prop_fumEpicentro==1, horizontal barwidth(0.7) color(green%60)) ///
60 (bar prop_fum nomereg if prop_fum!=. & prop_fumEpicentro==2, horizontal barwidth(0.7) color(gold%60)) ///
61 (bar prop_fum nomereg if prop_fum!=. & prop_fumEpicentro==3, horizontal barwidth(0.7) color(red%60)) ///
62 (scatteri .5 22.84 0.5 23.64 20.5 23.64 20.5 22.84 0.5 22.84, connect(1) lcolor(blue*0.7) msymbol(none)) ///
63 (rcap ub_fum lb_fum nomereg if prop_fum!=. & prop_fumEpicentro==1, horizontal lwidth(medthick) lcolor(green*1.2)) ///
64 (rcap ub_fum lb_fum nomereg if prop_fum!=. & prop_fumEpicentro==2, horizontal lwidth(medthick) lcolor(gold*1.2)) ///
65 (rcap ub_fum lb_fum nomereg if prop_fum!=. & prop_fumEpicentro==3, horizontal lwidth(medthick) lcolor(red*1.2)) ///
66 , ///
67 xlabel(0(5)35, labsize(vsmall)) ///
68 ylabel(1 (1) 20, valuelabel labsize(vsmall)) ///
69 yscale(reverse) ///
70 ytitle(" ") ///
71 xtitle("Proportion of smokers (with 95% CI)", size(vsmall)) ///
72 legend(off) ///
73 graphregion(margin(1+20)) ///
74 xsize(10) ysize(12) ///
75 title("Estimated {bf:tobacco smoking prevalence} in Italy, by Region" " ", size(small) span) ///
76 note("{it: Data from PASSI Italian BRFSS Surveillance System, 2024-2025}", size(vsmall) span) ///
77 text(18.5 25.5 "{it:95% CI Italian Pool}", size(vsmall) color(blue*0.7) place(e))
78
79 graph export BarreCI_regioniVGR.emf, replace

```

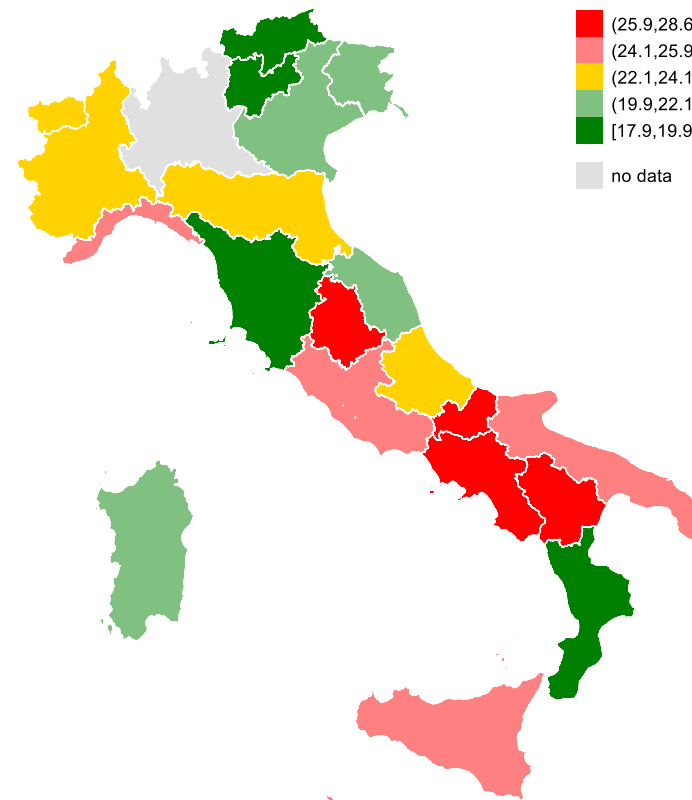


Estimated **tobacco smoking prevalence** in Italy,
by Region (CI compatible with Italian Pool CI)



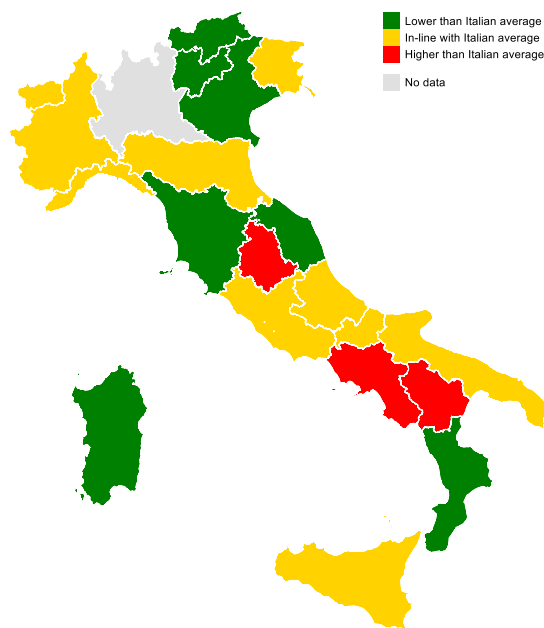
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated **tobacco smoking prevalence** in Italy,
by Region (Quintiles)



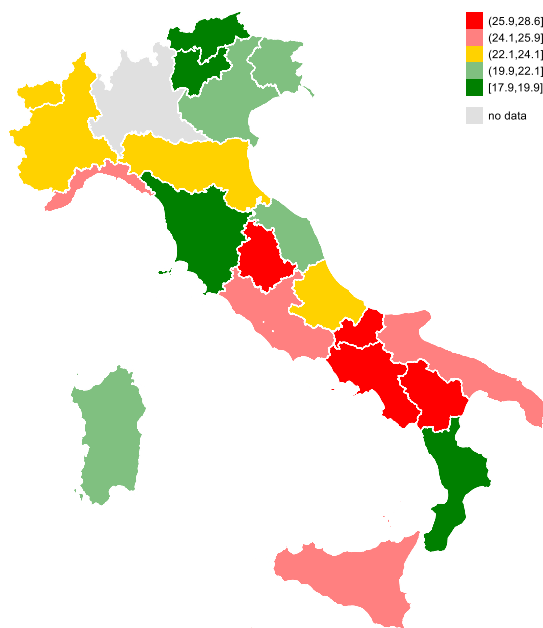
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated tobacco smoking prevalence in Italy,
by Region (CI compatible with Italian Pool CI)



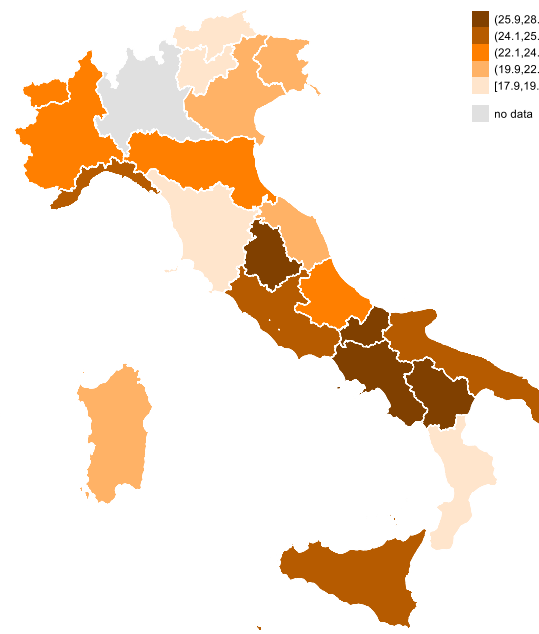
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated tobacco smoking prevalence in Italy,
by Region (Quintiles)



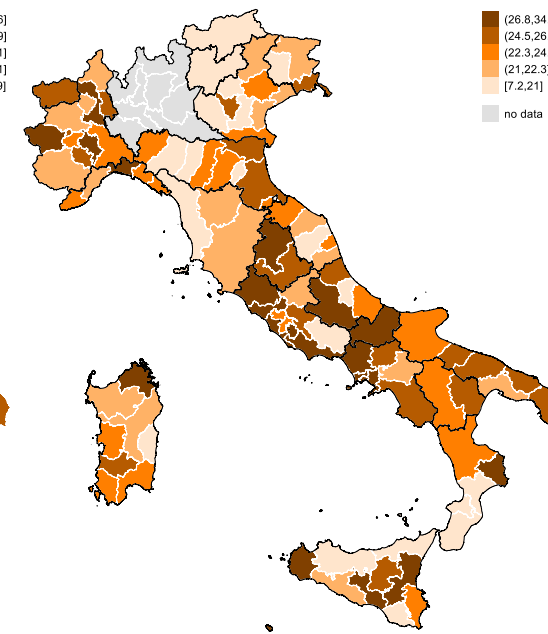
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated tobacco smoking prevalence in Italy, by Region



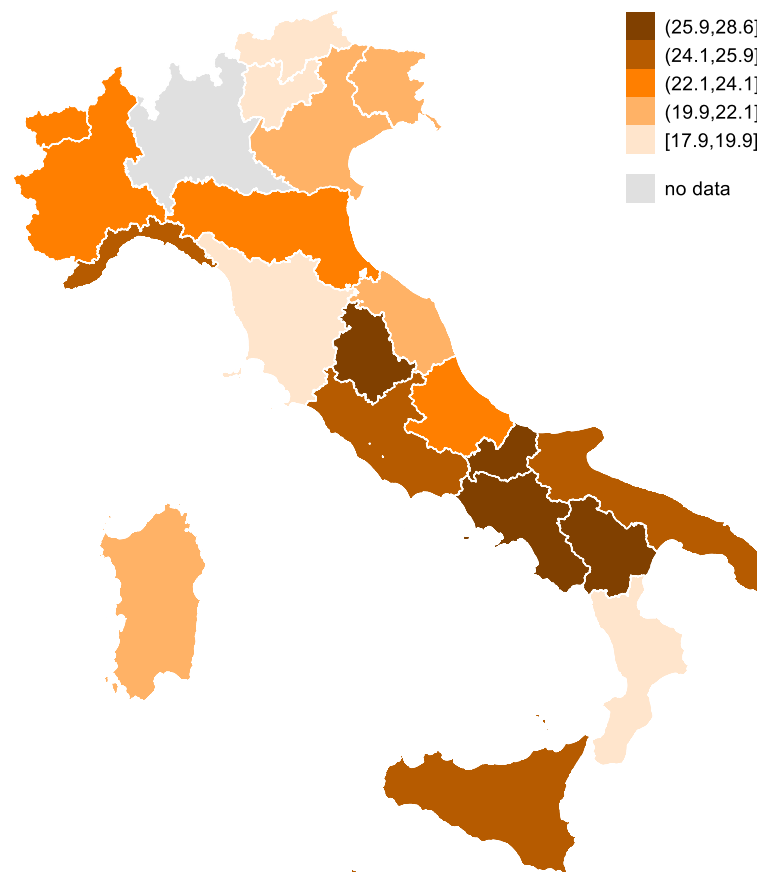
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated tobacco smoking prevalence in Italy, by Local Health Unit



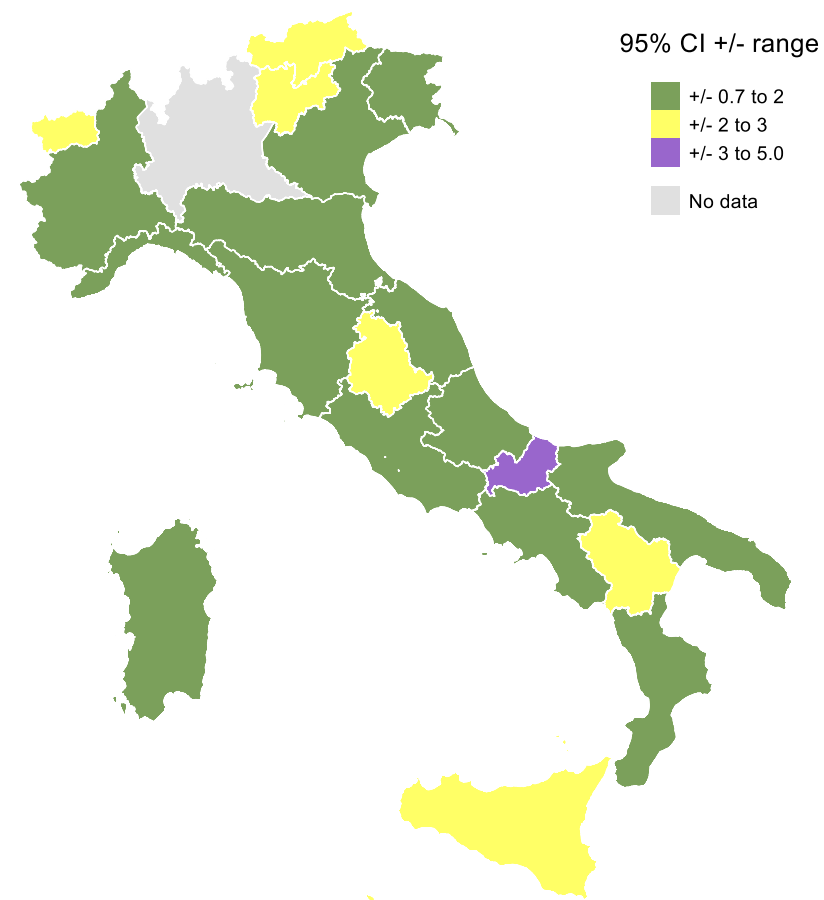
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated **tobacco smoking prevalence** in Italy,
by Region (Quintiles)



Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Precision of **tobacco smoking prevalence estimate** in Italy, by Region



Data from PASSI Italian BRFSS Surveillance System, 2024-2025

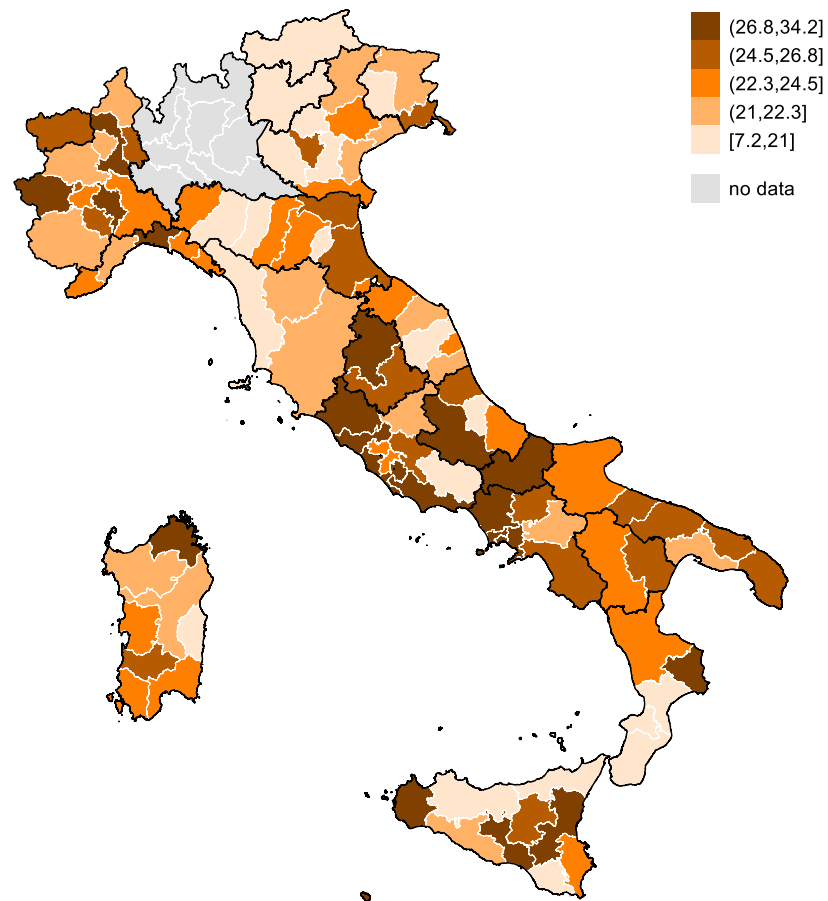

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Do-file Editor - AnalisiPrevFumo_Regioni
File Edit View Language Project Tools

AnalisiPrevFumo_Regioni x  Analis_prev_fumo_new

4 use Fumo_Fumatore_conStrati_regioni.dta, clear
5
6 merge 1:1 reg using Regioni2022_conTNBZ.dta
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8 drop if _merge==1
9
10 encode reg, gen (REG)
11
12 centile prop_fum, c(0 20 40 60 80 100)
13 local q1=(int(r(c_1)*10)/10)-0.1
14 local q2=int(r(c_2)*10)/10
15 local q3=int(r(c_3)*10)/10
16 local q4=int(r(c_4)*10)/10
17 local q5=int(r(c_5)*10)/10
18 local q6=(int(r(c_6)*10)/10)+0.1
19
20 count if prop_fum!=.
21 local N_reg=r(N)
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23 local bcol="orange"
24
25
26 * Mappa per la prevalenza grezza per regione sui quintili
27 * geoframe create regioni2022_conTNBZ_shp
28 geoframe create regioni2022_conTNBZ
29 frame change default
30 geoframe create, shp(regioni2022_conTNBZ_shp)
31
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33
34 geoplot (area default prop_fum, color(`bcol'*0.2 `bcol'*0.6 `bcol' `bcol'*1.4 `bcol'*2) ///
35         levels(5) cuts(`q1' `q2' `q3' `q4' `q5' `q6')) ///
36 (line regioni2022_conTNBZ_shp , lc(white) lw(0.04)) ///
37 (area regioni2022_conTNBZ, lc(white)) ///
38 , ///
39 title("Estimated {bf:tobacco smoking prevalence} in Italy," "by Region (Quintiles)" " ", size(small)) ///
40 note("{it: Data from PASSI Italian BRFSS Surveillance System, 2024-2025}", size(vsmall)) ///
41 xsize(14) ysize(10)
42
43 graph save prop_fumatori_map_regions_quint.gph, replace
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47 * Mappa variabilità (ampiezza IC) nelle asl
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49 gen prop_fum_delta_half=(ub_fum-lb_fum)/2
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51 summ prop_fum_delta, d
52 local min_d=(int(r(min)*10)/10)-0.1
53 local min_d2=stroofreal(`min_d', "%3.1f")
54 local max_d=(int(r(max)*10)/10)+0.1
55 local max_d2=stroofreal(`max_d', "%3.1f")
56
57 geoplot (area default prop_fum_delta_half, color("123 160 91" "255 255 102" "153 102 204") ///
58         levels(5) cuts(`min_d' 2 3.0001 `max_d')) ///
59 (line regioni2022_conTNBZ_shp , lc(white) lw(0.04)) ///
60 (area regioni2022_conTNBZ, lc(white)) ///
61 , ///
62 title("Precision of {bf:tobacco smoking prevalence estimate} in Italy, by Region" " ", size(small)) ///
63 note("{it: Data from PASSI Italian BRFSS Surveillance System, 2024-2025}", size(vsmall)) ///
64 xsize(7) ysize(5) ///
65 legend (order(2 "+/- `min_d2' to 2" 3 "+/- 2 to 3" 4 "+/- 3 to `max_d2'" - " " 1 "No data") title("95% CI +/- range", size(small)))
66
67
68 graph save prop_fumatori_deltaCI_map_regions.gph, replace
69
70 graph combine prop_fumatori_map_regions_quint.gph prop_fumatori_deltaCI_map_REGIONS.gph, cols(2) altshrink saving(prop_fumatori_map_regio_quint&
71 Delta.gph, replace)
72
73 graph export prop_fumatori_map_regio_quint&Delta.pdf, replace
74 graph export prop_fumatori_map_regio_quint&Delta.emf, replace
75
```

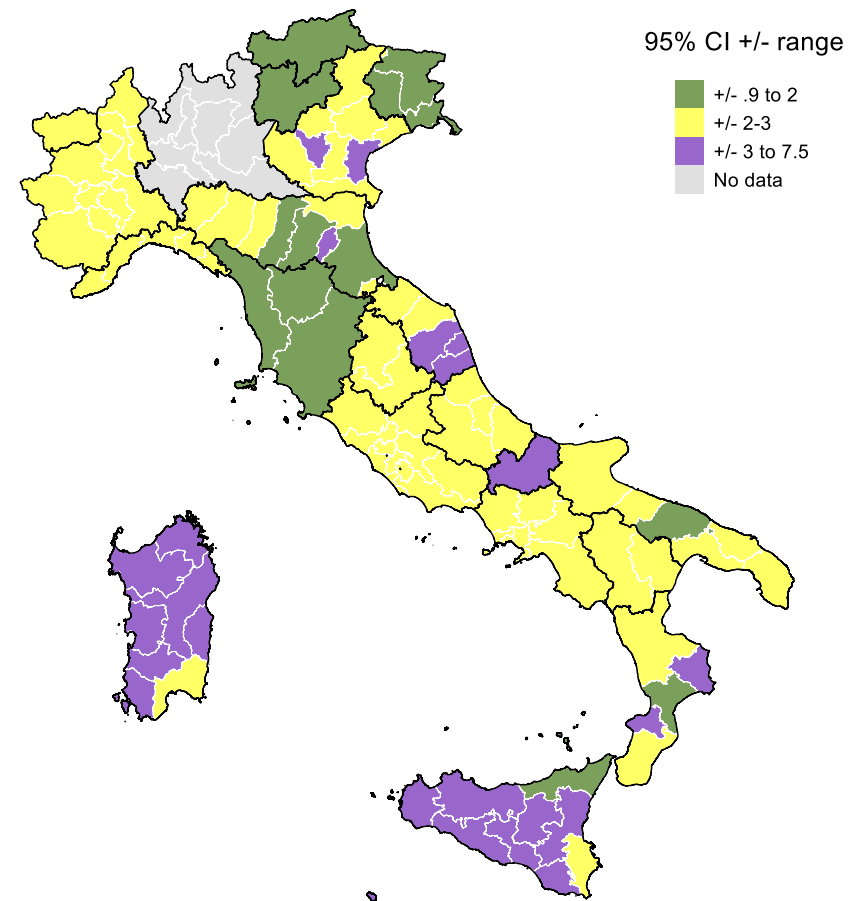
Line: 58, Col: 51 CAP NUM OVR

Estimated **tobacco smoking prevalence** in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Precision of **tobacco smoking prevalence estimate** in Italy, by Local Health Unit



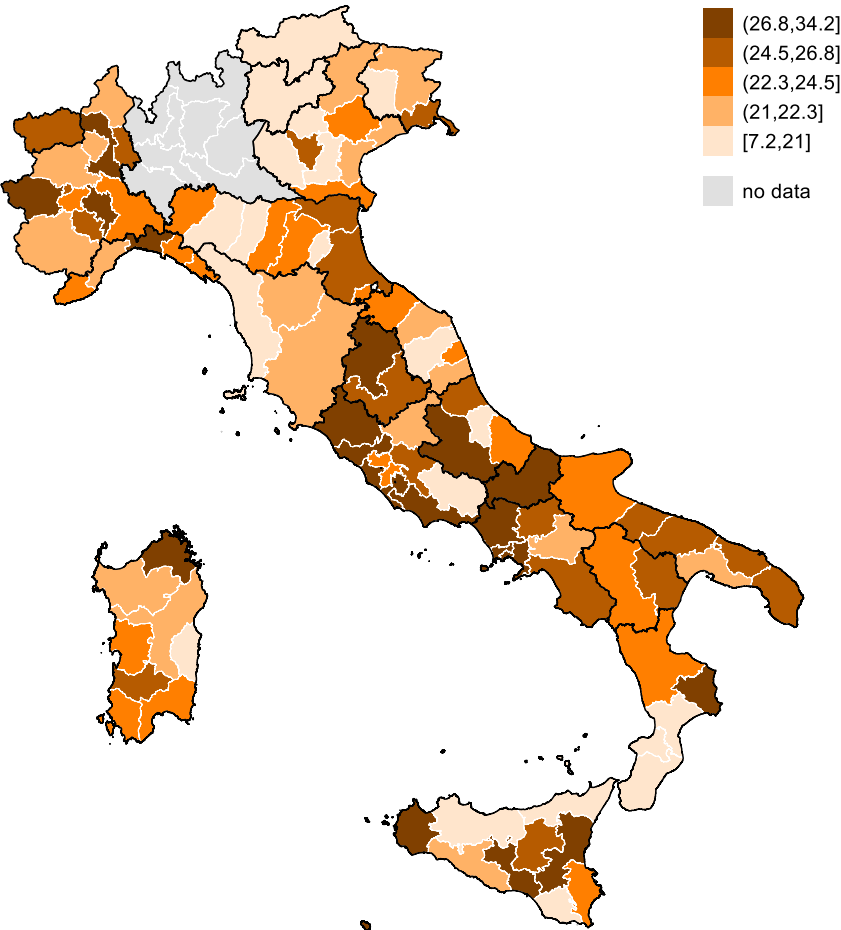
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

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46
47 * Mappa per la prevalenza grezza per ASL
48 geoframe create ASL_Ita2024merged_shp
49 geoframe create regioni2022
50 geoframe create Trento_BZ
51 frame change default
52 geoframe create, shp(ASL_Ita2024merged_shp)
53
54
55
56 geoplot      (area default prop_fum, color(`bcol'*0.2 `bcol'*0.6 `bcol' `bcol'*1.4 `bcol'*2) ///
57               levels(5) cuts(`q1' `q2' `q3' `q4' `q5' `q6')) ///
58               (line ASL_Ita2024merged_shp , lc(white) lw(0.04)) ///
59               (area regioni2022, lc(black)) ///
60               (area Trento_BZ, lc(black)) ///
61               , ///
62               title("Estimated {bf:tobacco smoking prevalence} in Italy, by Local Health Unit" " ", size(small)) ///
63               note("{it: Data from PASSI Italian BRFSS Surveillance System, 2022-2025}", size(vsmall)) ///
64               xsize(14) ysize(10)
65
66 graph save prop_fumatori_map.gph, replace
67 * graph export prop_fumatori_map.pdf, replace
68 * graph export prop_fumatori_map.emf, replace
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71 * Mappa variabilità (ampiezza IC) nelle asl
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73 gen prop_fum_delta_half=(ub_fum-lb_fum)/2
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75 summ prop_fum_delta, d
76 local min_d=(int(r(min)*10)/10)-0.1
77 local max_d=(int(r(max)*10)/10)+0.1
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103
104 geoplot      (area default prop_fum_delta_half, color("123 160 91" "255 255 102" "153 102 204") ///
105               levels(5) cuts(`min_d' 2 3.0001 `max_d')) ///
106               (line ASL_Ita2024merged_shp , lc(white) lw(0.04)) ///
107               (area regioni2022, lc(black)) ///
108               (area Trento_BZ, lc(black)) ///
109               , ///
110               title("Precision of {bf:tobacco smoking prevalence estimate} in Italy, by Local Health Unit" " ", size(small)) ///
111               note("{it: Data from PASSI Italian BRFSS Surveillance System, 2022-2025}", size(vsmall)) ///
112               xsize(7) ysize(5) ///
113               legend (order(2 "+/- `min_d' to 2" 3 "+/- 2-3" 4 "+/- 3 to `max_d'" 1 "No data") title("95% CI +/- range", size(small)))
114
115
116 graph save prop_fumatori_deltaCI_map.gph, replace

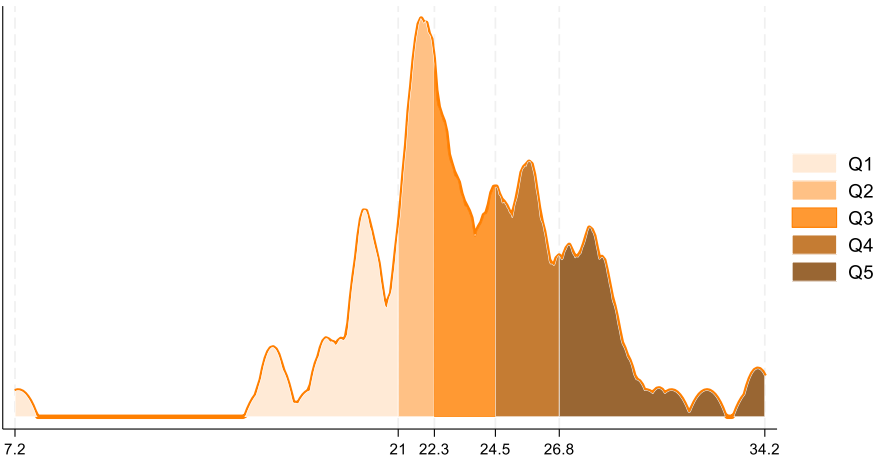
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Estimated **tobacco smoking prevalence** in Italy, by Local Health Unit



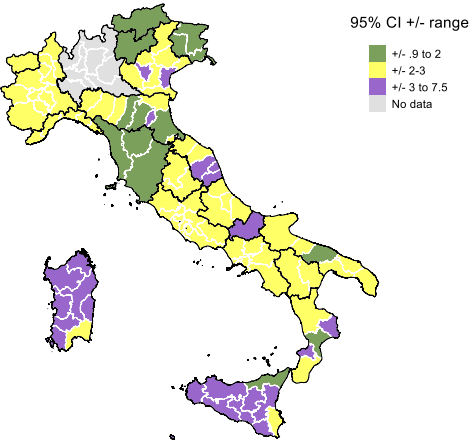
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Distribution of tobacco smoking prevalence in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Precision of **tobacco smoking prevalence estimate** in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

```

17 centile prop_fum, c(0 20 40 60 80 100)
18 local q1=(int(r(c_1)*10)/10)-0.1
19 local q2=int(r(c_2)*10)/10
20 local q3=int(r(c_3)*10)/10
21 local q4=int(r(c_4)*10)/10
22 local q5=int(r(c_5)*10)/10
23 local q6=(int(r(c_6)*10)/10)+0.1

```

```

24
25 count if prop_fum!=.
26 local N_asl=r(N)
27
28 local bcol="orange"
29 local bw=0.3

```

```

31 * grafico istogramma dei valori di prevalenza grezzi nelle ASL

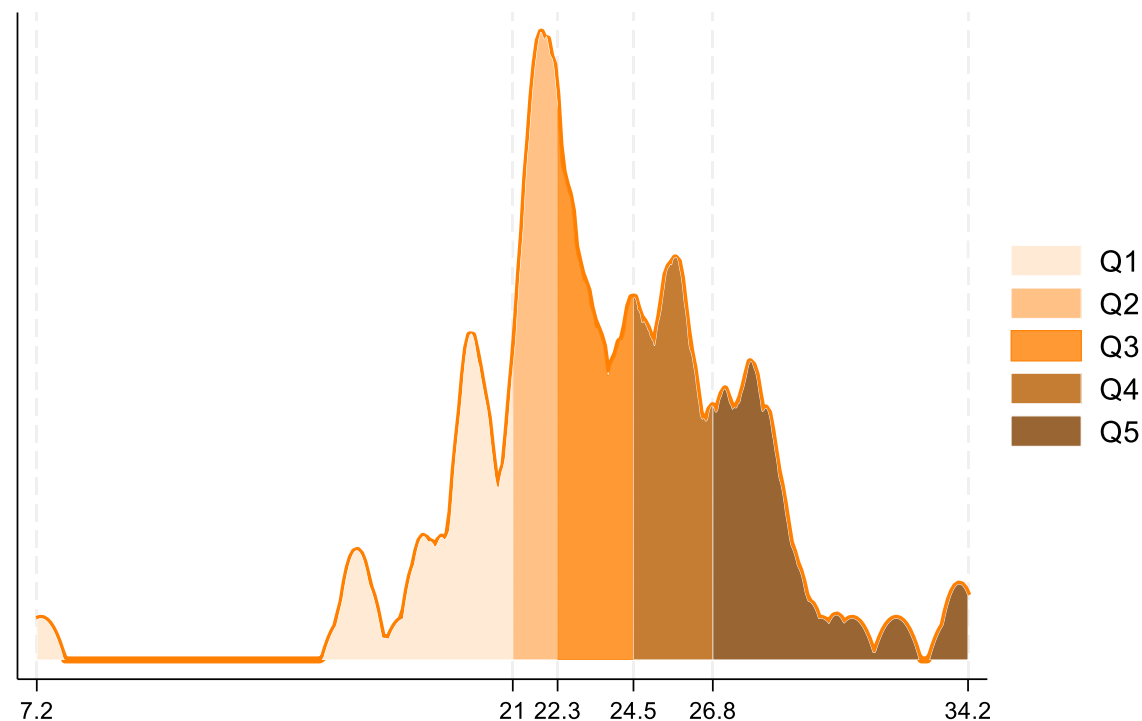
```

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32
33 graph twoway      (kdensity prop_fum, lcolor(`bcol`) lwidth(thick) range(`q1' `q6') bwidth(`bw')) ///
34                  (kdensity prop_fum, range(`q1' `q2') recast(area) lcolor(white) fcolor(`bcol'*0.2) lwidth(vvthin) bwidth(`bw')) ///
35                  (kdensity prop_fum, range(`q2' `q3') recast(area) lcolor(white) lwidth(vvthin) fcolor(`bcol'*0.6) bwidth(`bw')) ///
36                  (kdensity prop_fum, range(`q3' `q4') recast(area) lcolor(orange) lwidth(vvthin) fcolor(`bcol'*1) bwidth(`bw')) ///
37                  (kdensity prop_fum, range(`q4' `q5') recast(area) lcolor(white) lwidth(vvthin) fcolor(`bcol'*1.4) bwidth(`bw')) ///
38                  (kdensity prop_fum, range(`q5' `q6') recast(area) lcolor(white) lwidth(vvthin) fcolor(`bcol'*2) bwidth(`bw')) ///
39                  , xlab(`q1' `q2' `q3' `q4' `q5' `q6', labsize(small)) ///
40                  ylab(none) ytitle("") xtitle("") legend(order(2 "Q1" 3 "Q2" 4 "Q3" 5 "Q4" 6 "Q5")) ///
41                  title("Distribution of tobacco smoking prevalence in the `N_asl' Local Health Units" " ", size(small)) ///
42                  note("{it: Data from PASSI Italian BRFSS Surveillance System, 2022-2025}", size(vsmall)) ///
43                  xsize(7) ysize(5)
44
45 graph save quint_prop_fumatori.gph, replace

```

Distribution of tobacco smoking prevalence in the 102 Local Health Units

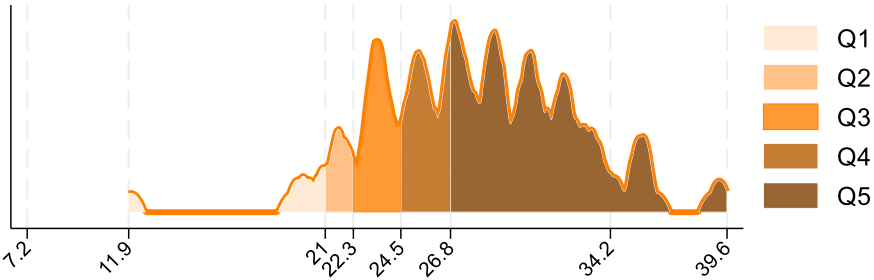


Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Strata by gender

M

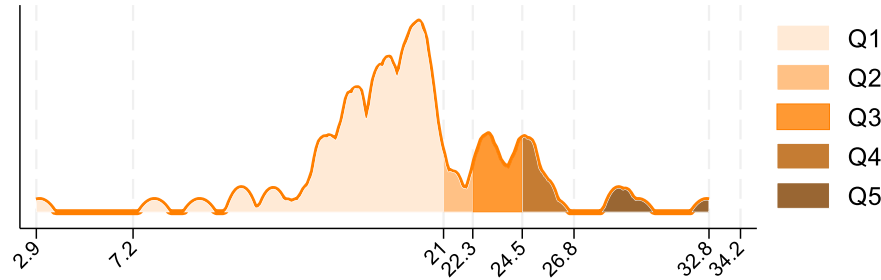
Distribution of tobacco smoking prevalence in Males in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

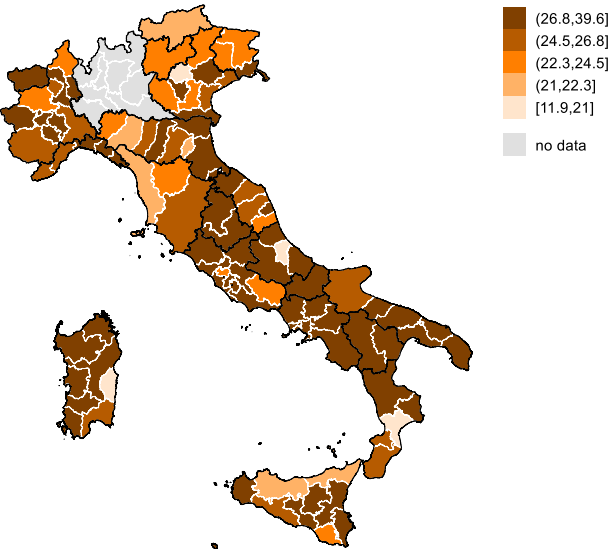
F

Distribution of tobacco smoking prevalence in Females in the 102 Local Health Units



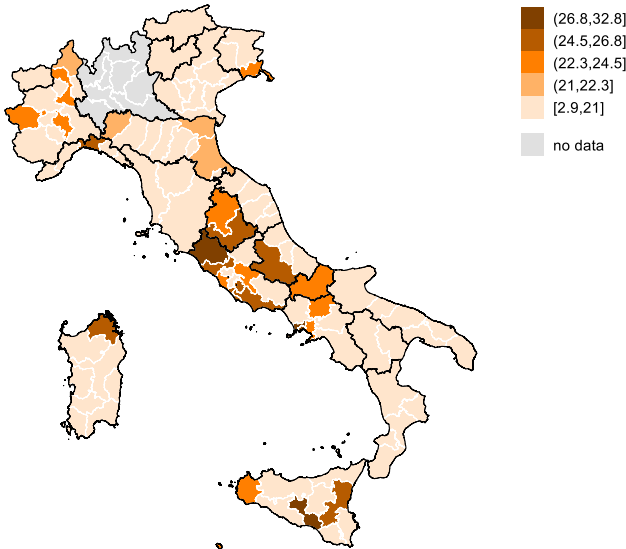
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated tobacco smoking prevalence in Males in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated tobacco smoking prevalence in Females in Italy, by Local Health Unit

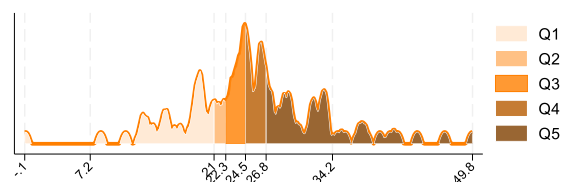


Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Strata by age classes

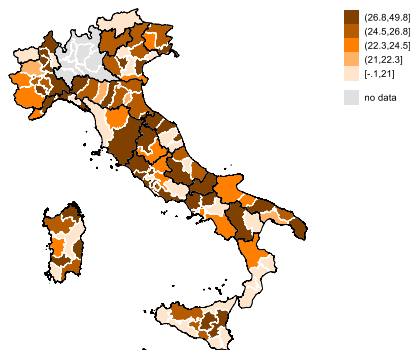
18-24

Distribution of tobacco smoking prevalence in Aged 18-24 in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

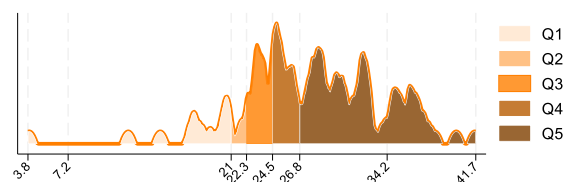
Estimated tobacco smoking prevalence in Aged 18-24 in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

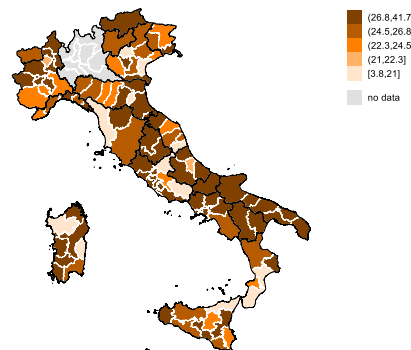
25-34

Distribution of tobacco smoking prevalence in Aged 25-34 in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

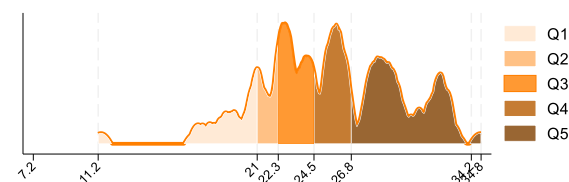
Estimated tobacco smoking prevalence in Aged 25-34 in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

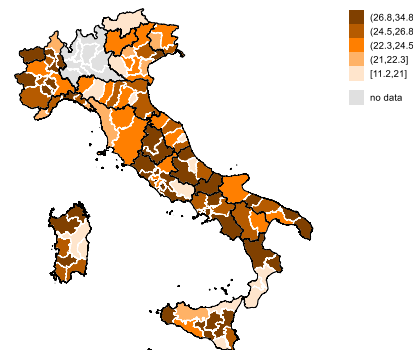
35-49

Distribution of tobacco smoking prevalence in Aged 35-49 in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

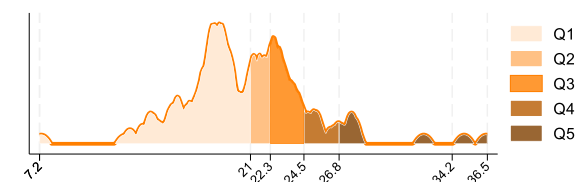
Estimated tobacco smoking prevalence in Aged 35-49 in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

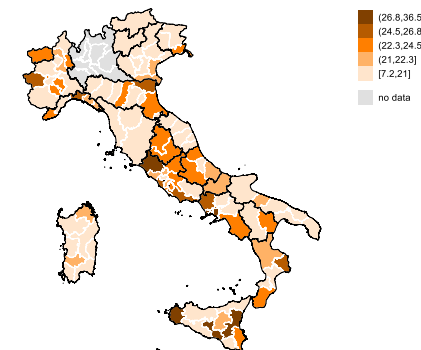
50-69

Distribution of tobacco smoking prevalence in Aged 50-69 in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated tobacco smoking prevalence in Aged 50-69 in Italy, by Local Health Unit

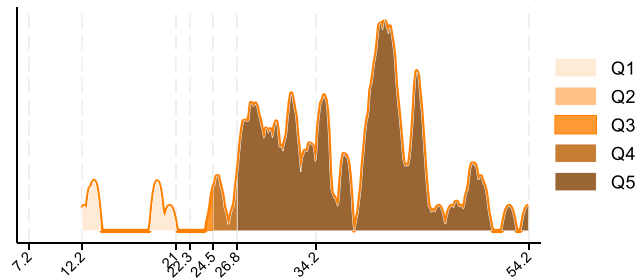


Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Strata by Economic Distress

high

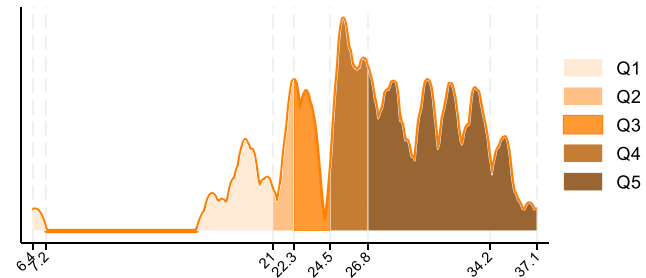
Distribution of tobacco smoking prevalence in Highly Economically Distressed in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

somehow

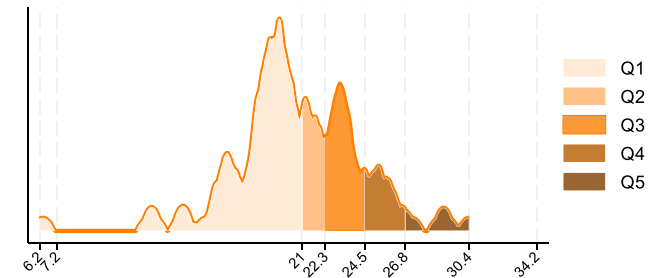
Distribution of tobacco smoking prevalence in Somehow Economically Distressed in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

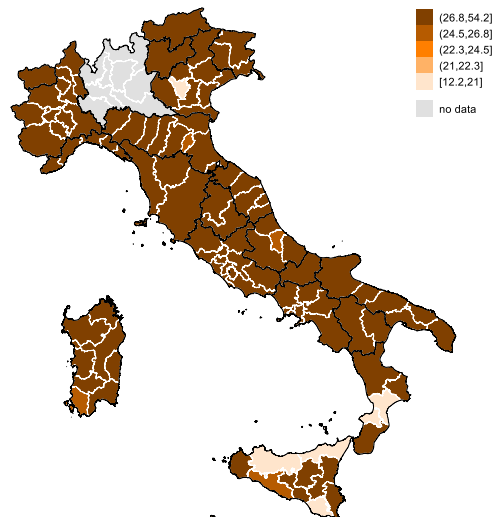
none

Distribution of tobacco smoking prevalence in Non-Economically Distressed in the 102 Local Health Units



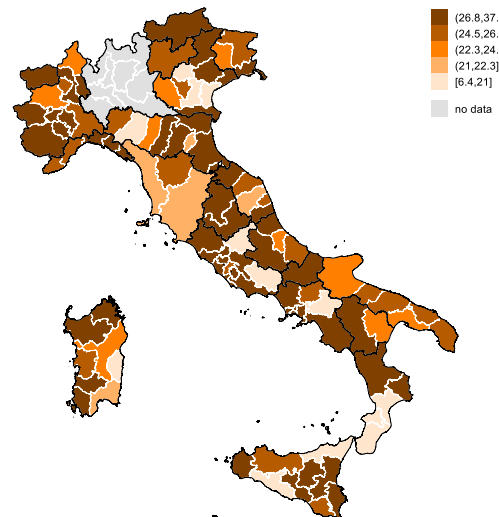
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated **tobacco smoking prevalence** in Highly Economically Distressed in Italy, by Local Health Unit



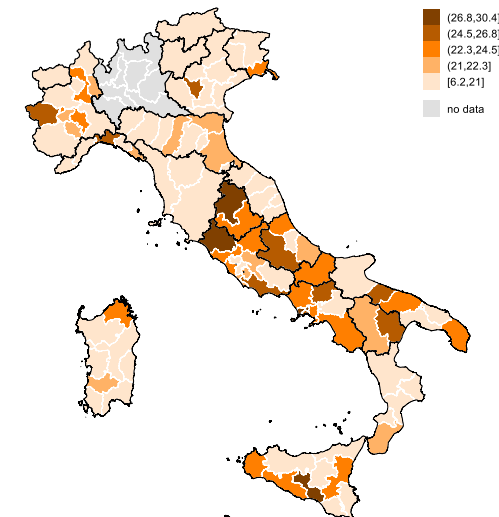
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated **tobacco smoking prevalence** in Somehow Economically Distressed in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated **tobacco smoking prevalence** in Non-Economically Distressed in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

High risk Alcohol consumption

- High-risk drinkers are defined respondents which were at least in **one of the following categories**:

- *heavy drinkers are*

- men drinking more than 2 alcoholic units (AUs) per day on average
- or women drinking more than 1 AU



- *One alcohol unit (AU) is equivalent to 12 grams of ethanol, which is approximately the amount found in a can of beer (330 ml), a glass of wine (125 ml), or a shot of liquor (40 ml), based on the typical alcohol content of these beverages.*

- *alcohol drinkers mainly outside of meals;*

- *binge drinkers*

- 5 drinks or more in one occasion for men, and 4 for women

Periodo 2023-2024

Percentuali per Regione

Indicatore: Consumo a maggior rischio Dati standardizzati Dati grezzi

Dati standardizzati

Consumo a maggior rischio per regione di residenza

Passi 2023-2024

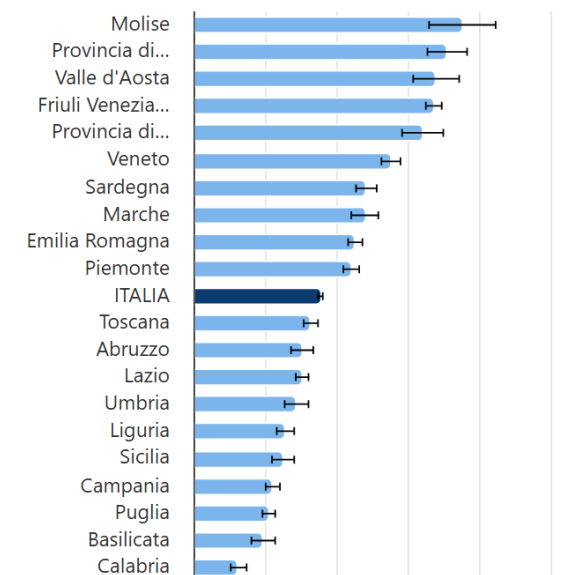


- peggiore del valore nazionale
- simile al valore nazionale
- migliore del valore nazionale

Sorveglianza Passi

Consumo a maggior rischio per regione di residenza

Passi 2023-2024



0% 10% 20% 30% 40% 50%

Sorveglianza Passi

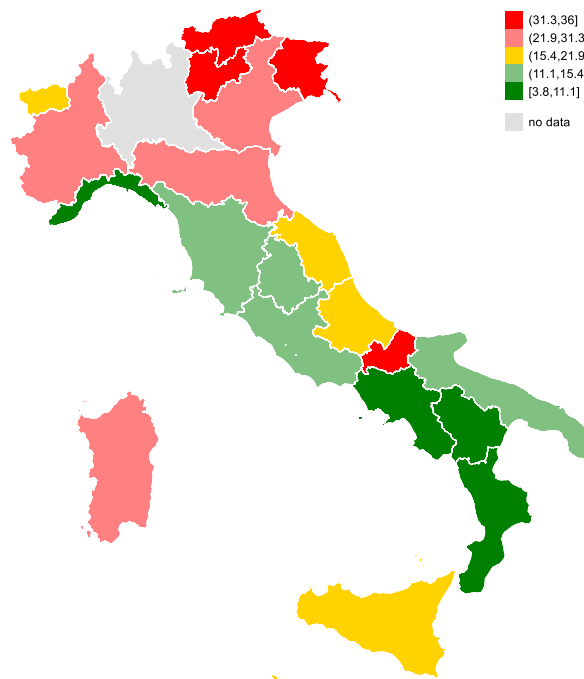
☐ Mostra valori

Estimated **alcohol high risk consumption prevalence** in Italy,
by Region (considering average Italian estimates)



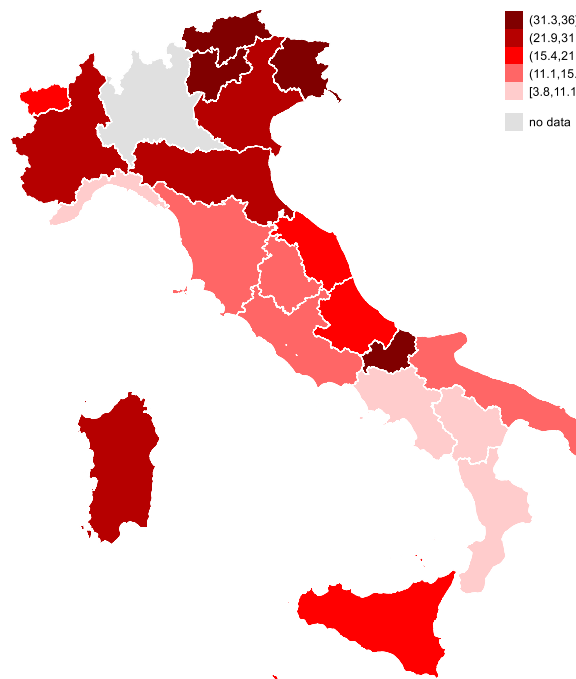
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated **alcohol high risk consumption prevalence** in Italy,
by Region (Quintiles)



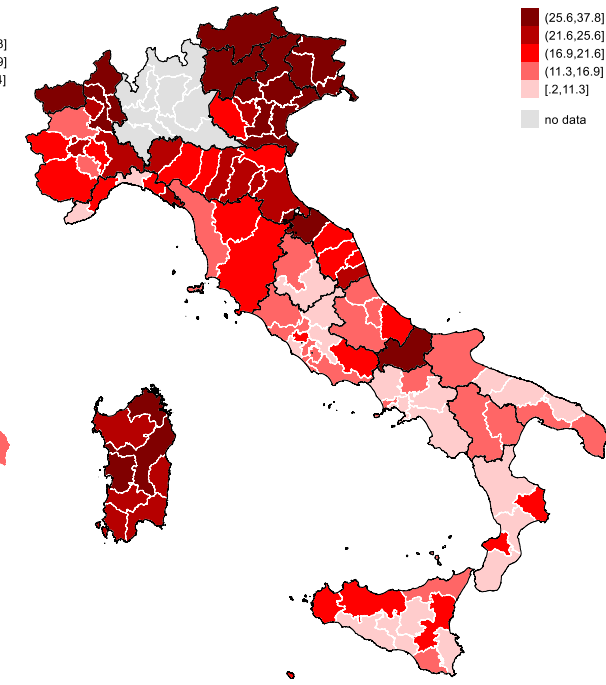
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated **alcohol high risk consumption prevalence** in Italy,
by Region (Quintiles)



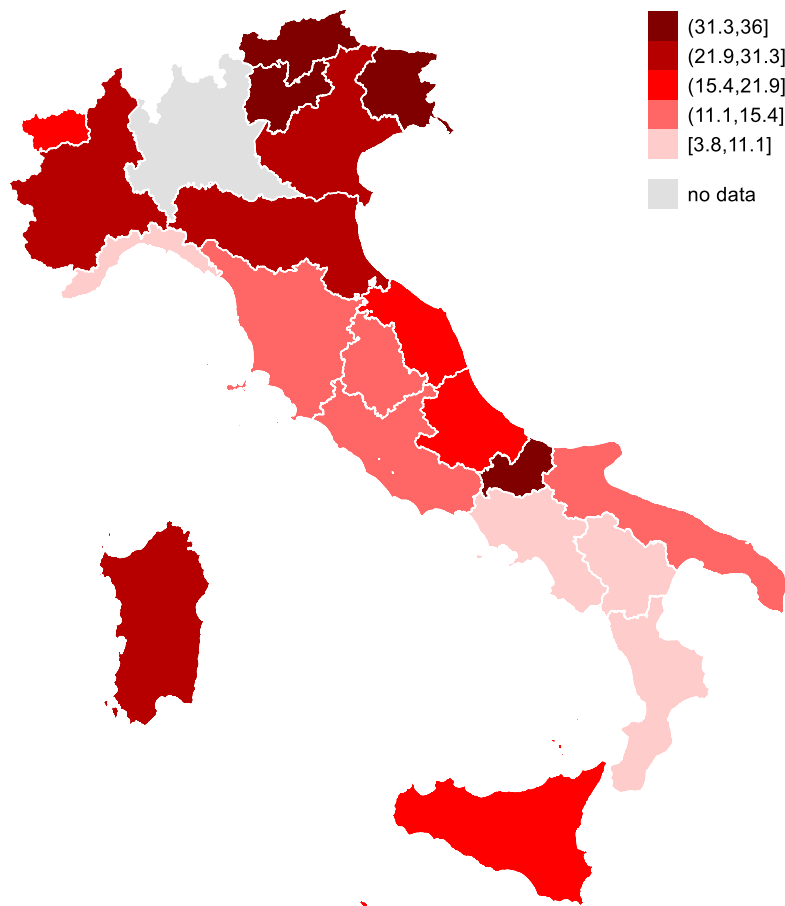
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated **Alcohol high risk consumption prevalence** in Italy, by Local Health Unit



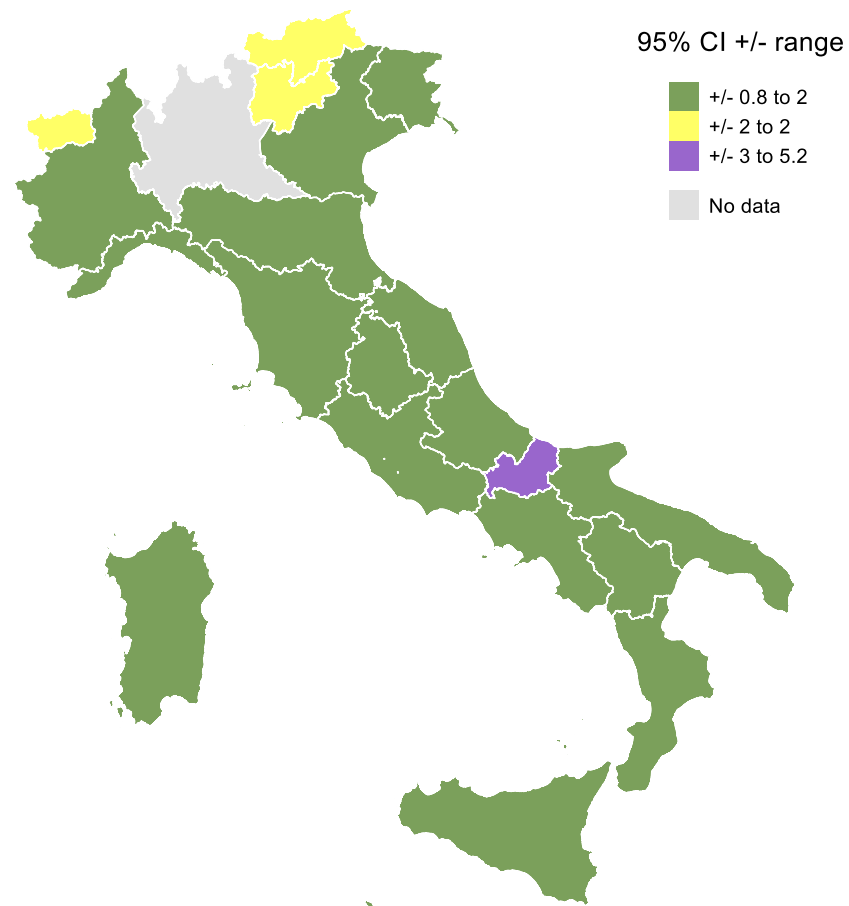
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated **alcohol high risk consumption prevalence** in Italy,
by Region (Quintiles)



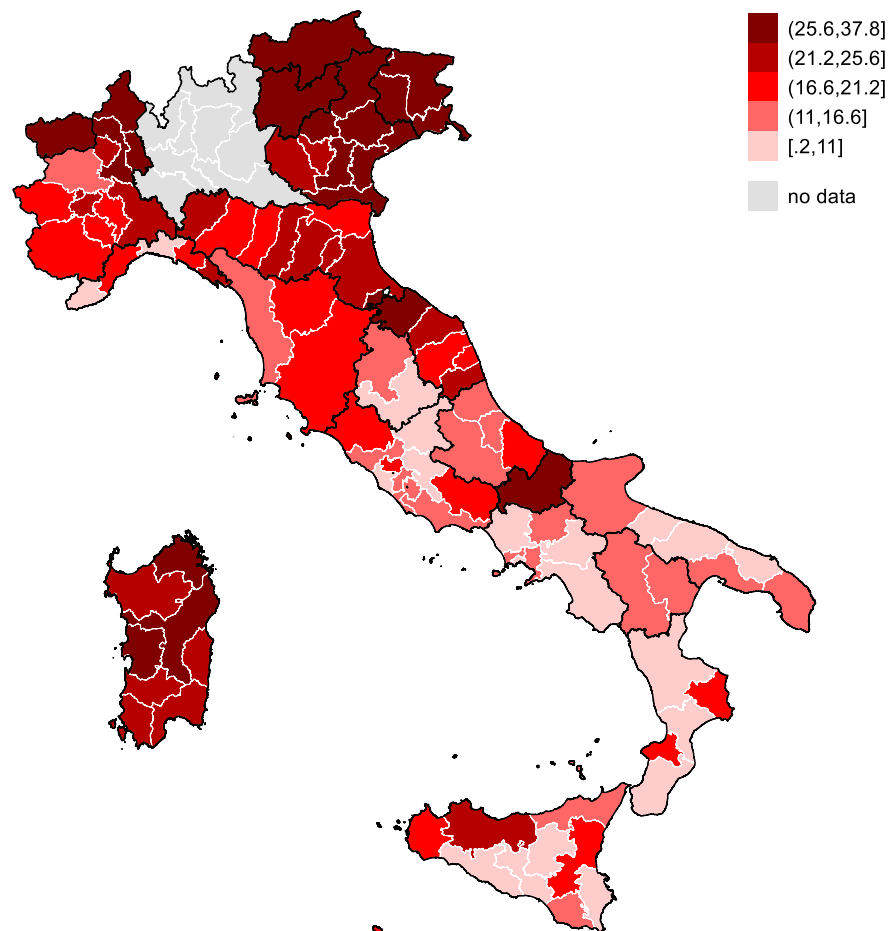
Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Precision of **alcohol high risk consumption prevalence estimate** in Italy,
by Region

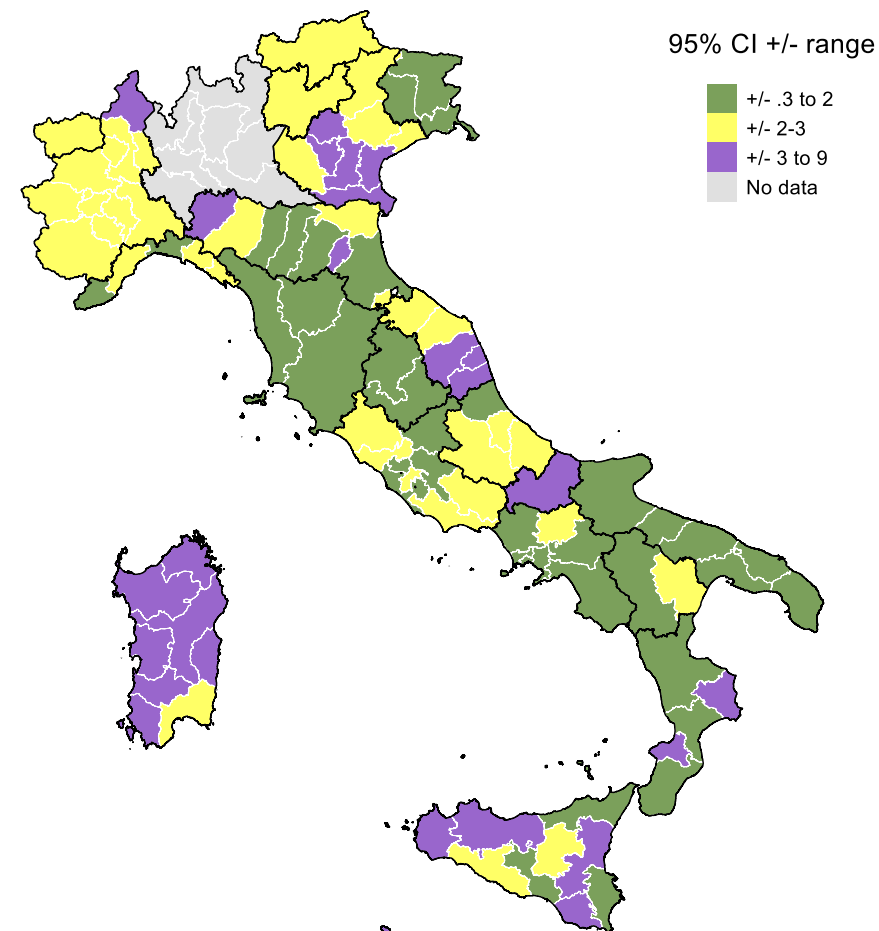


Data from PASSI Italian BRFSS Surveillance System, 2024-2025

Estimated alcohol high risk consumption prevalence in Italy, by Local Health Unit

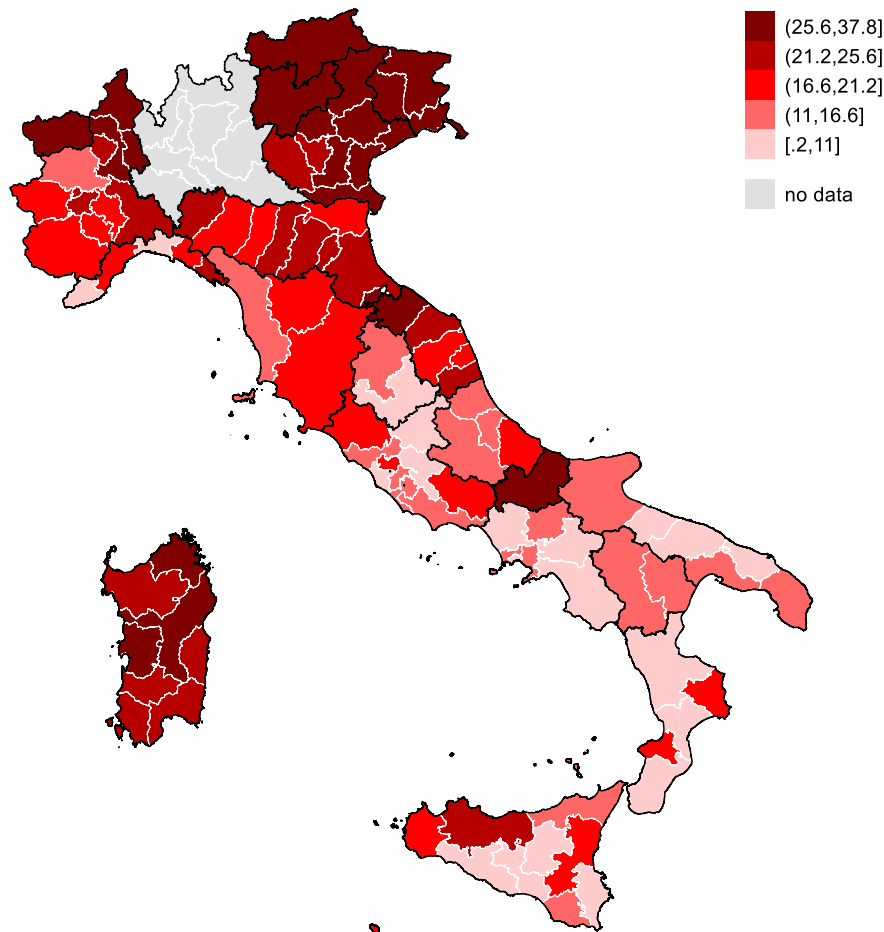


Data from PASSI Italian BRFSS Surveillance System, 2022-2025



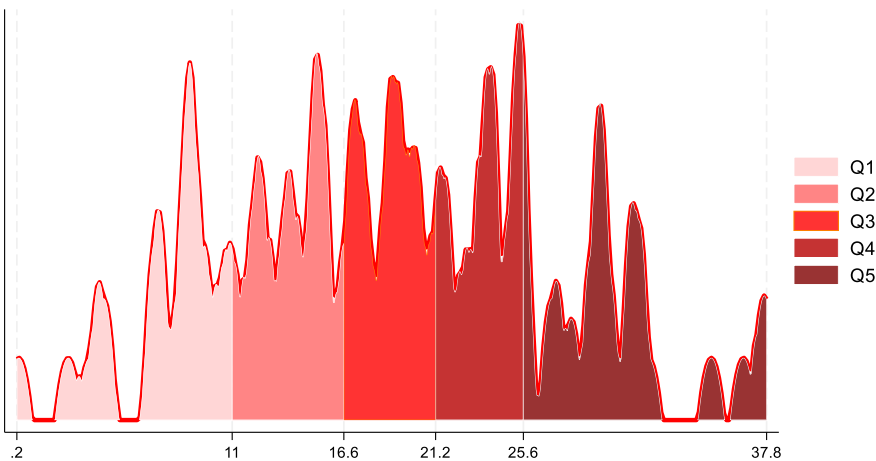
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated alchool high risk consumption prevalence in Italy, by Local Health Uni



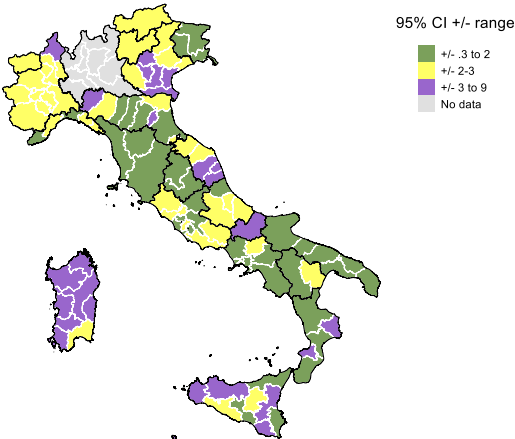
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Distribution of alchool high risk consumption prevalence in the 102 Local Health Units



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

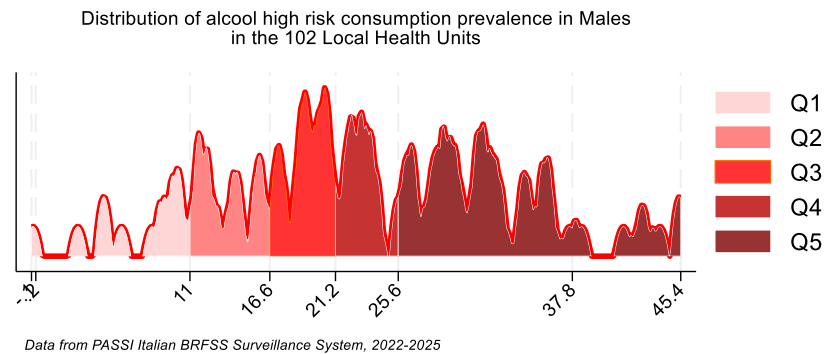
Precision of alchool high risk consumption prevalence estimate in Italy, by Local Health Unit



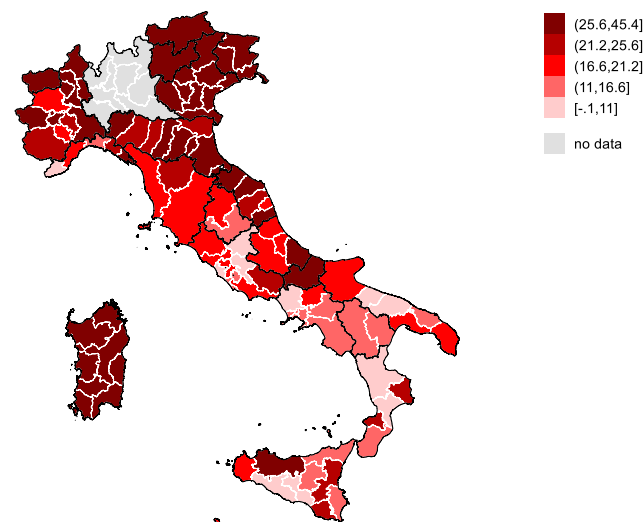
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Strata by gender

M

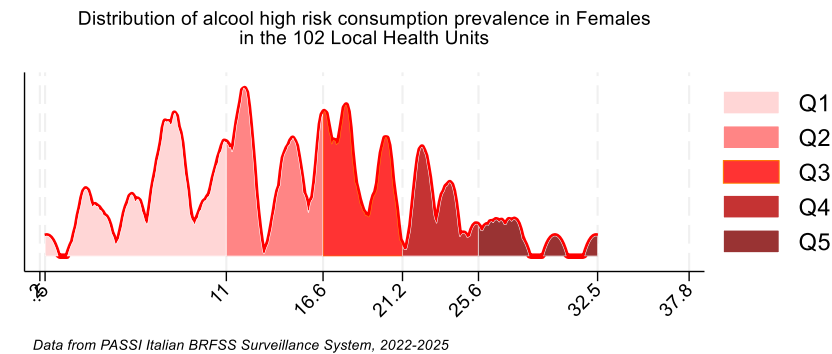


Estimated **alchool high risk consumption prevalence** in Males in Italy, by Local Health Unit

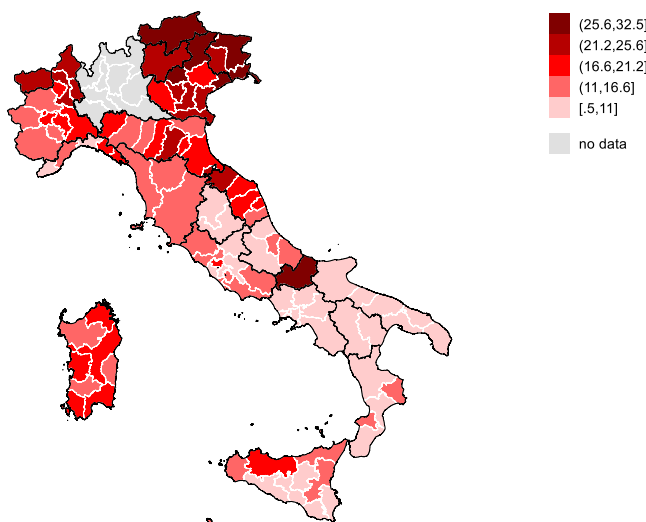


Data from PASSI Italian BRFSS Surveillance System, 2022-2025

F



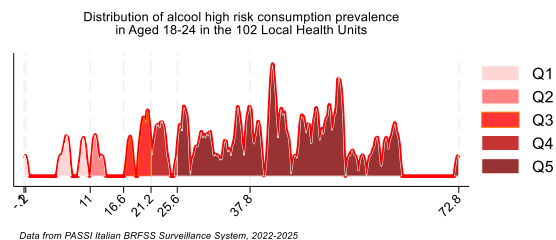
Estimated **alchool high risk consumption prevalence** in Females in Italy, by Local Health Unit



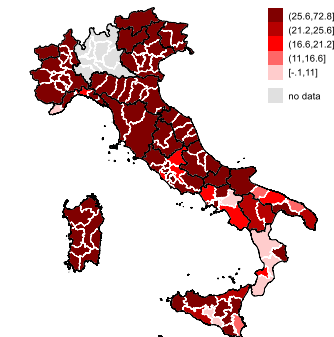
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Strata by age classes

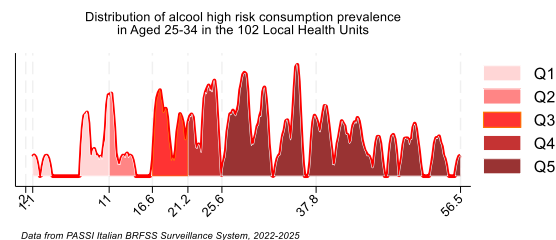
18-24



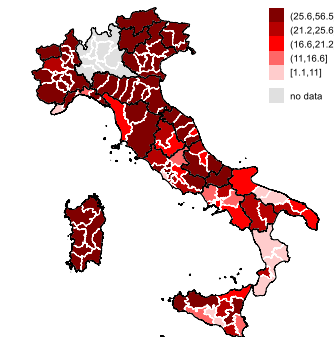
Estimated alcohol high risk consumption prevalence in Aged 18-24 in Italy, by Local Health Unit



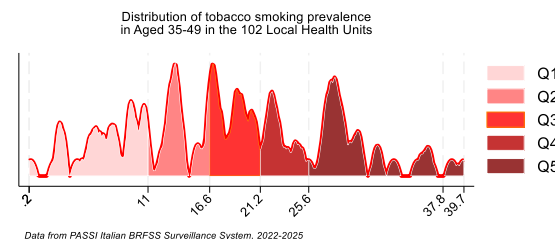
25-34



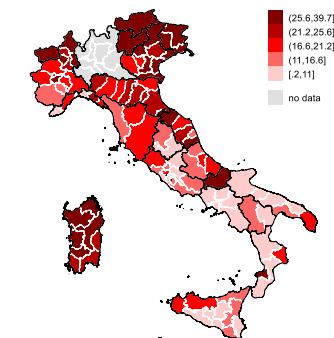
Estimated alcohol high risk consumption prevalence in Aged 25-34 in Italy, by Local Health Unit



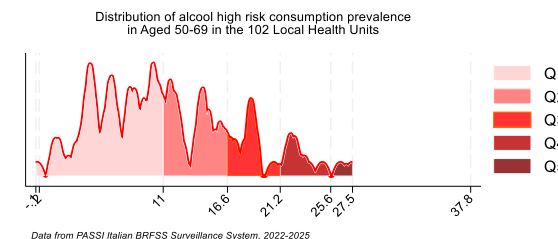
35-49



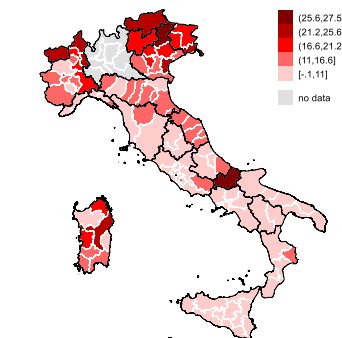
Estimated alcohol high risk consumption prevalence in Aged 35-49 in Italy, by Local Health Unit



50-69



Estimated alcohol high risk consumption prevalence in Aged 50-69 in Italy, by Local Health Unit



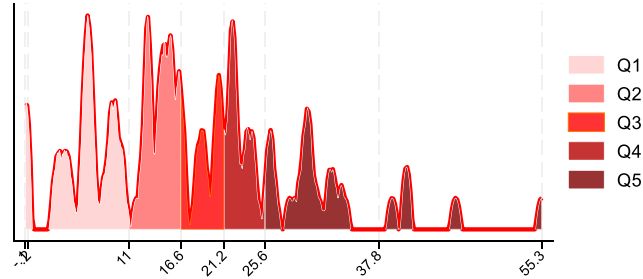
Strata by Economic Distress

high

somehow

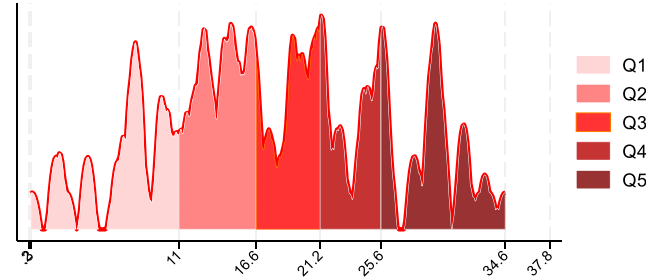
none

Distribution of alcohol high risk consumption prevalence in Highly Economically Distressed in the 102 Local Health Units



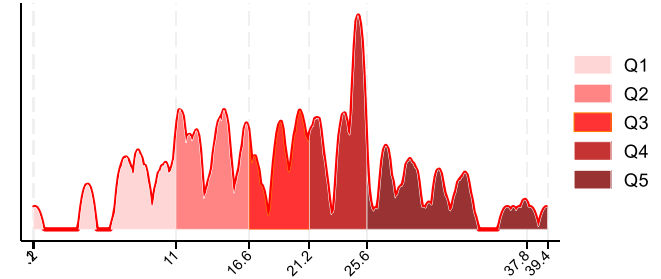
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Distribution of alcohol high risk consumption prevalence in Somehow Economically Distressed in the 102 Local Health Units



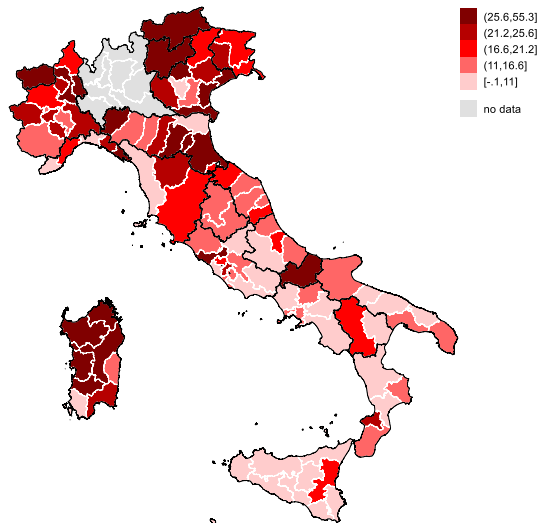
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Distribution of alcohol high risk consumption prevalence in Non-Economically Distressed in the 102 Local Health Units



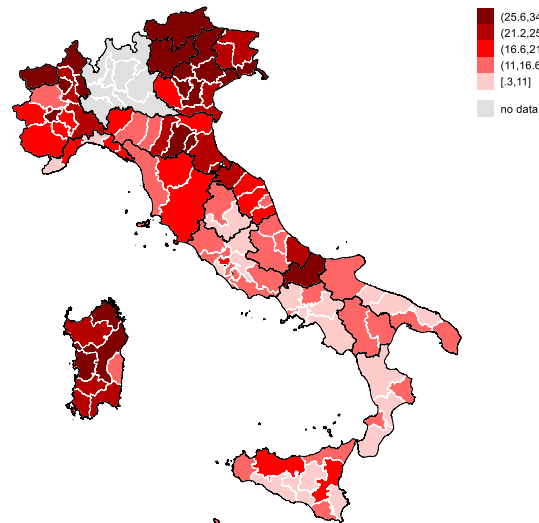
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated alcohol high risk consumption prevalence in Highly Economically Distressed in Italy, by Local Health Unit



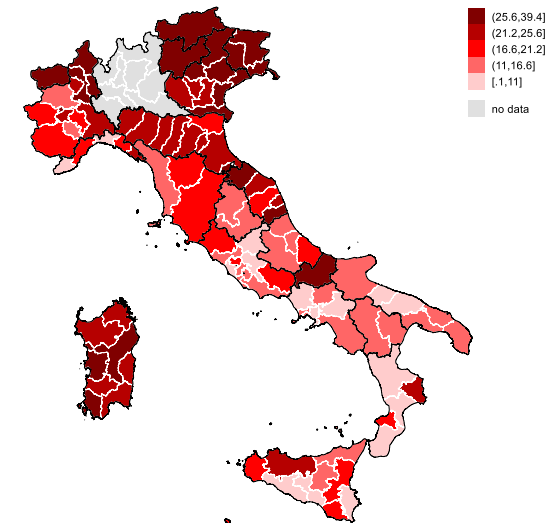
Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated alcohol high risk consumption prevalence in Somehow Economically Distressed in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025

Estimated alcohol high risk consumption prevalence in Non-Economically Distressed in Italy, by Local Health Unit



Data from PASSI Italian BRFSS Surveillance System, 2022-2025



Thank you for your attention!



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