La survey GISMa del 2020

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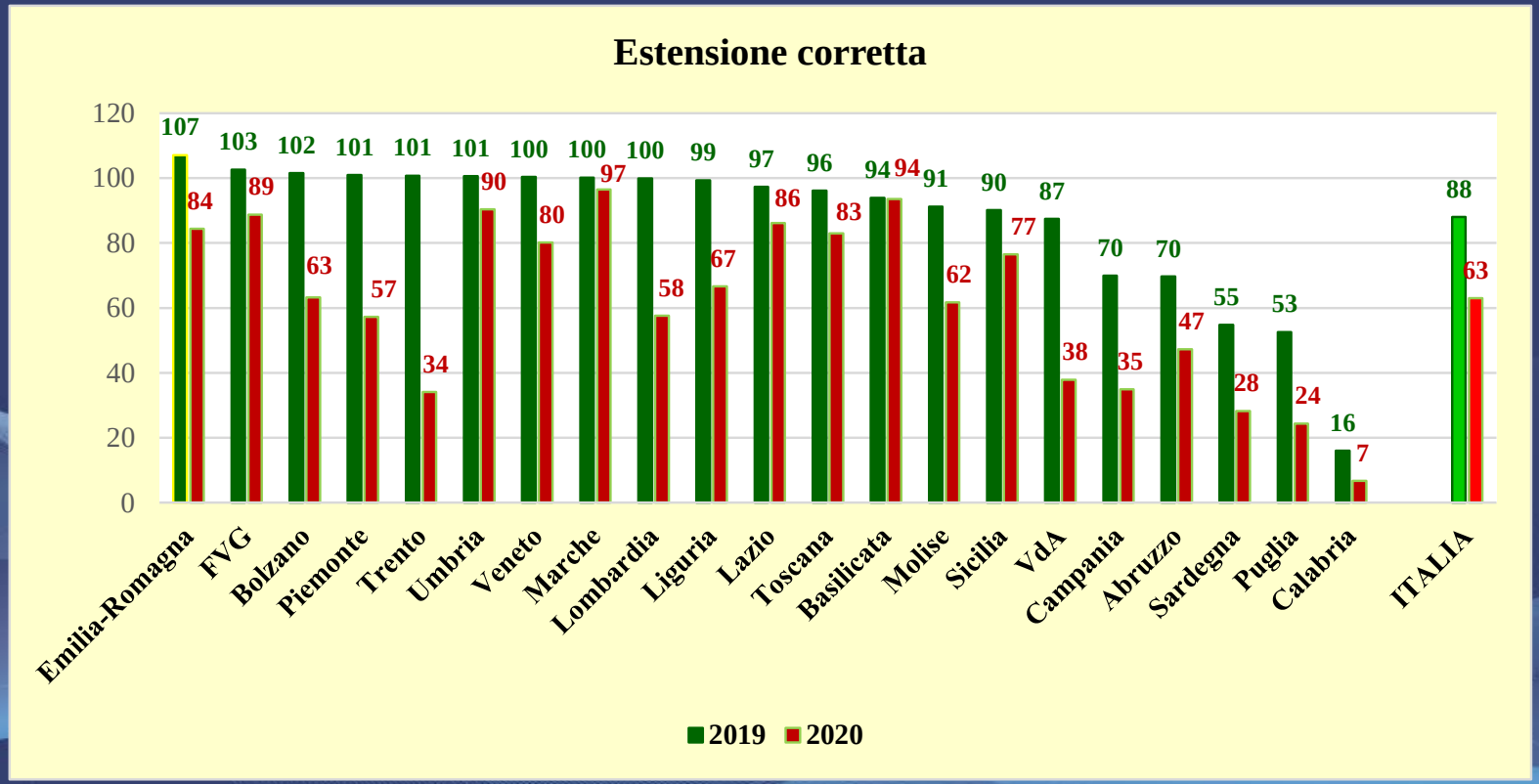
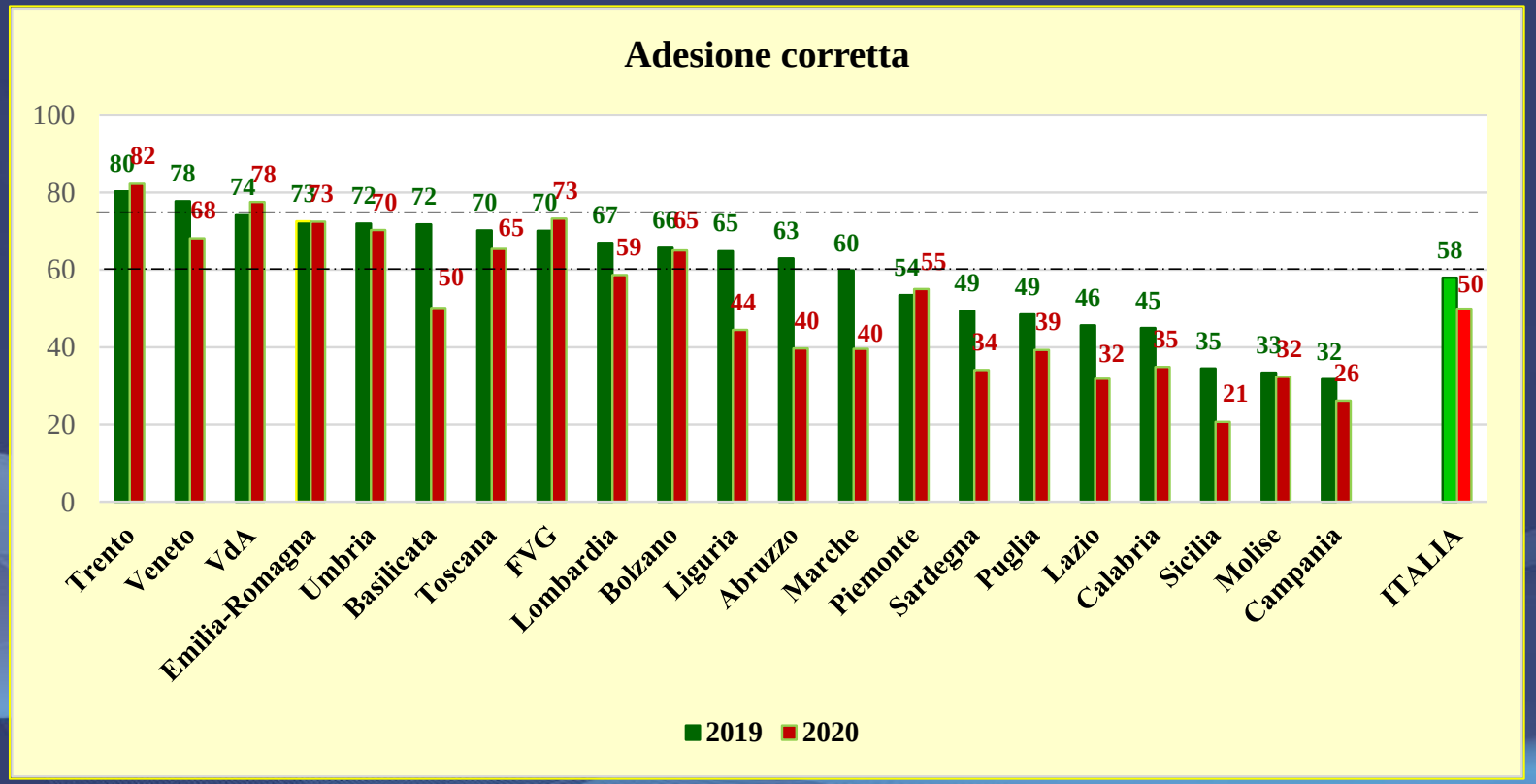
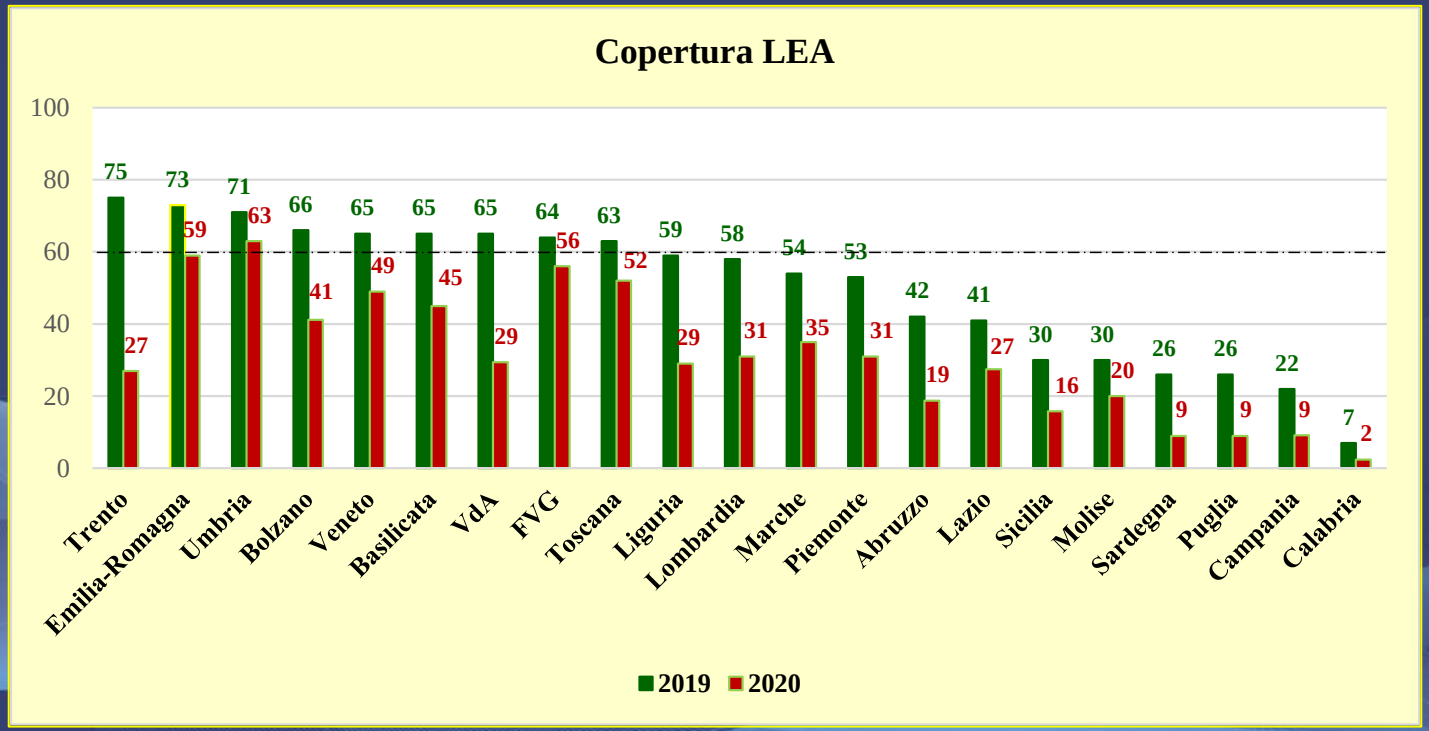
Confronti 2019 vs 2020



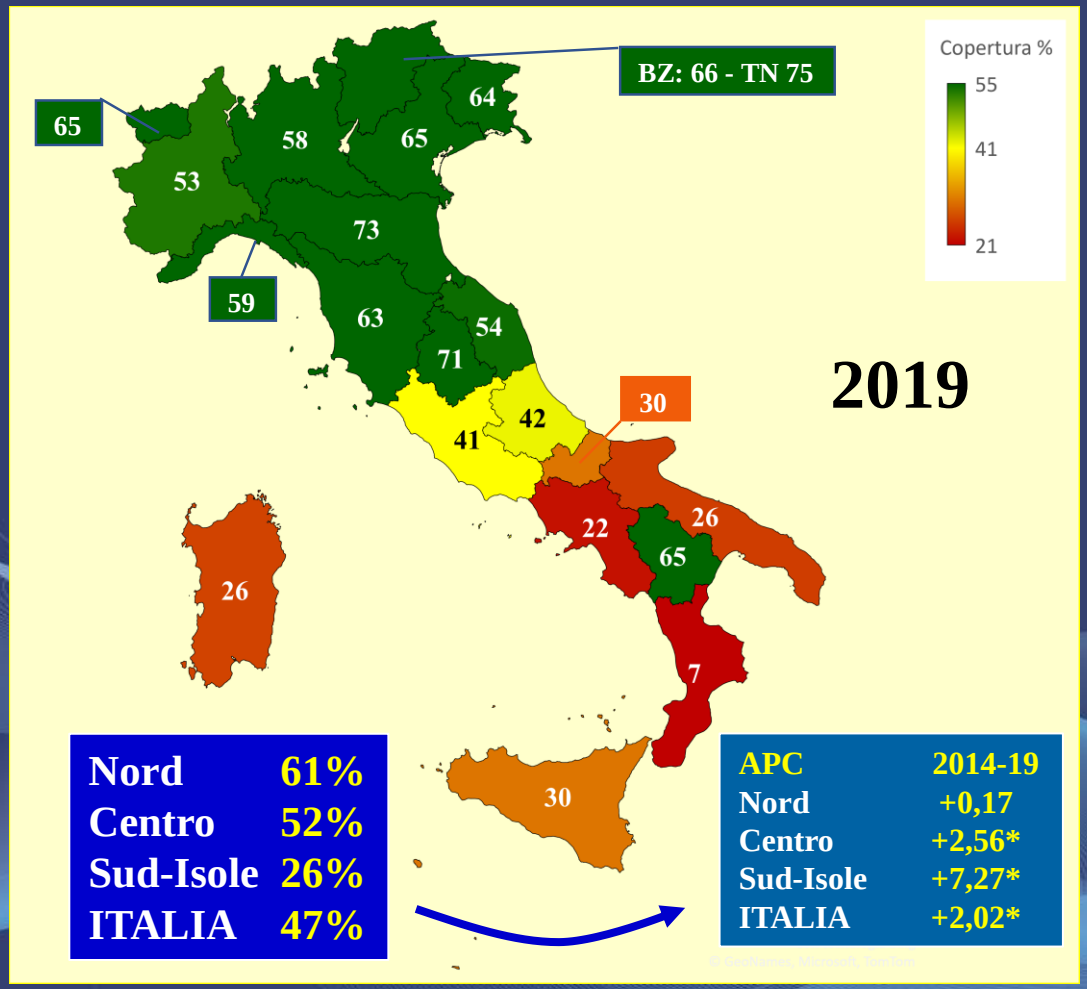
Confronti 2019 vs 2020



Confronti 2019 vs 2020



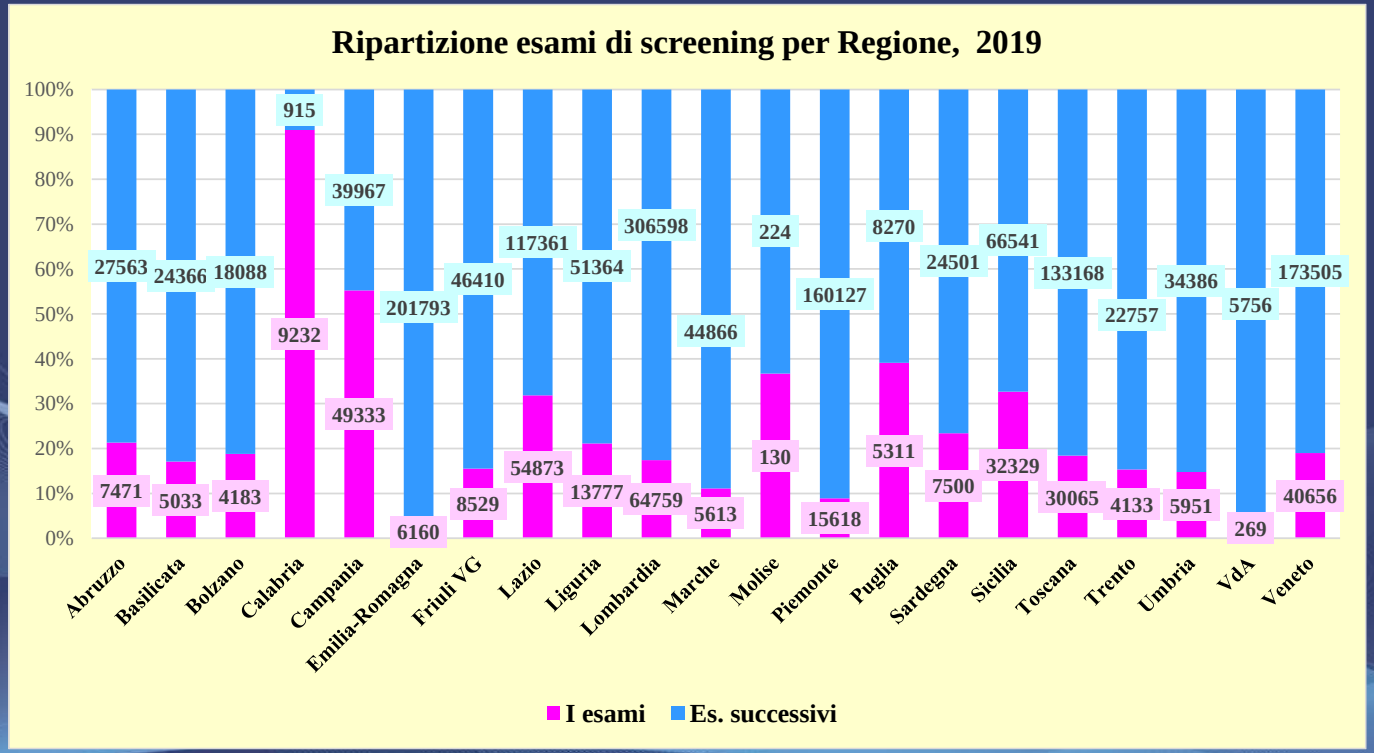
Copertura LEA 2019



Regioni/P.A.	APC 2014-2019	trend
Abruzzo	+6,33	⇔
Basilicata	-0,26	⇔
Calabria	+12,16	⇔
Campania	+16,19	⇔
Emilia Romagna	-0,80	⇔
FVG	+0,75	⇔
Lazio	+6,95*	⇑
Liguria	+3,70*	⇑
Lombardia	+0,13	⇔
Marche	+3,84*	⇑
Molise	-6,80	⇔
Piemonte	+2,31	⇔
Puglia	+5,56	⇔
Sardegna	-1,29	⇔
Sicilia	+7,32	⇔
Toscana	-0,36	⇔
P.A. Trento	+0,14	⇔
P.A. Bolzano	+2.63	⇔
Umbria	+0,10	⇔
Valle D'Aosta	+0,11	⇔
Veneto	-1,24	⇔

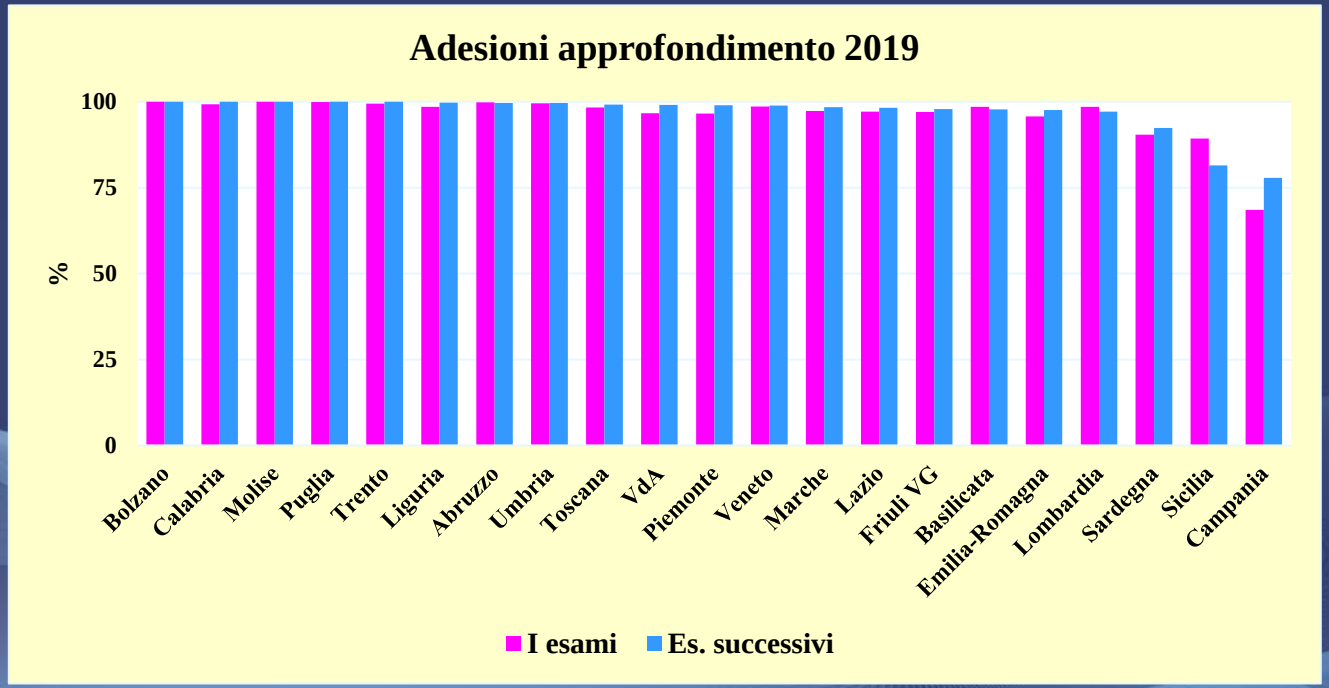
*p<0,05

Ripartizione esami

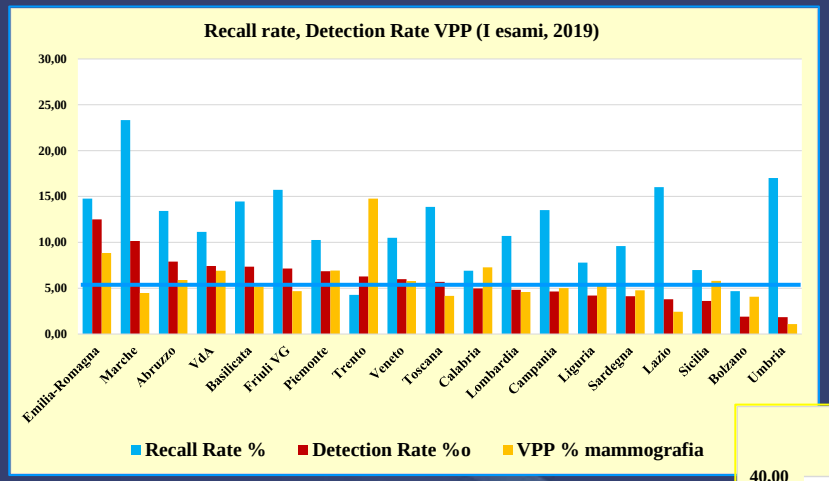


% I esami		
0-14%	15-29%	30%+
E-R	ABR	CAL
MAR	BAS	CAM
PIE	BZ	LAZ
UMB	FVG	MOL
VdA	LIG	PUG
	LOM	SIC
	SAR	
	TOS	
	TN	
	VEN	

Adesioni approfondimento



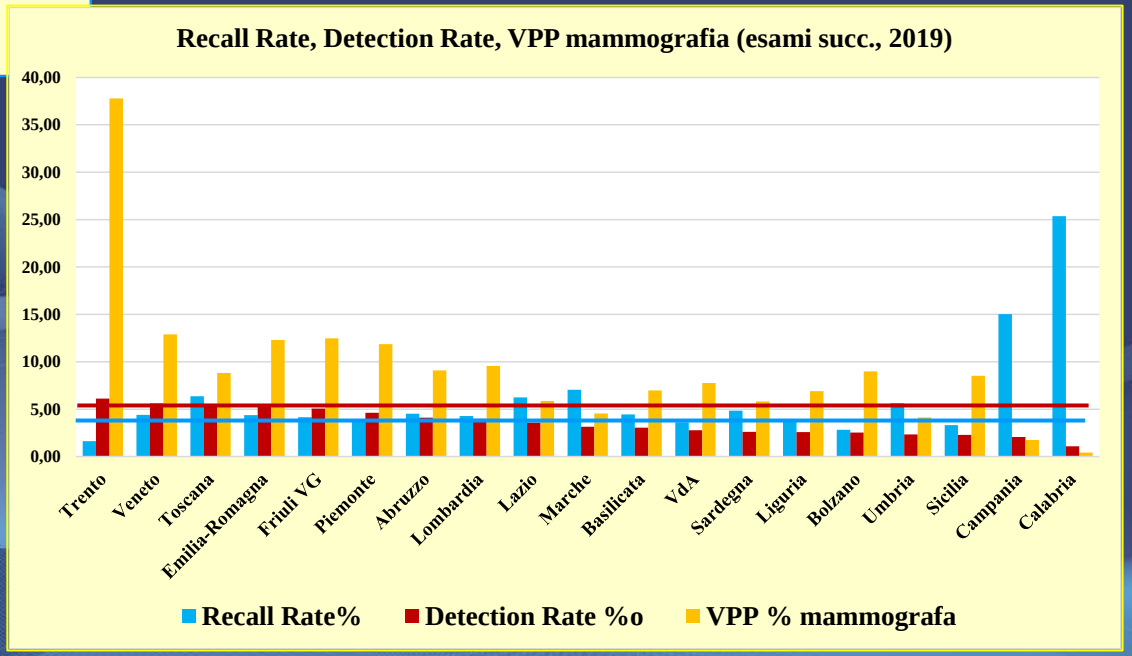
Recall Rate, Detection Rate, VPP test

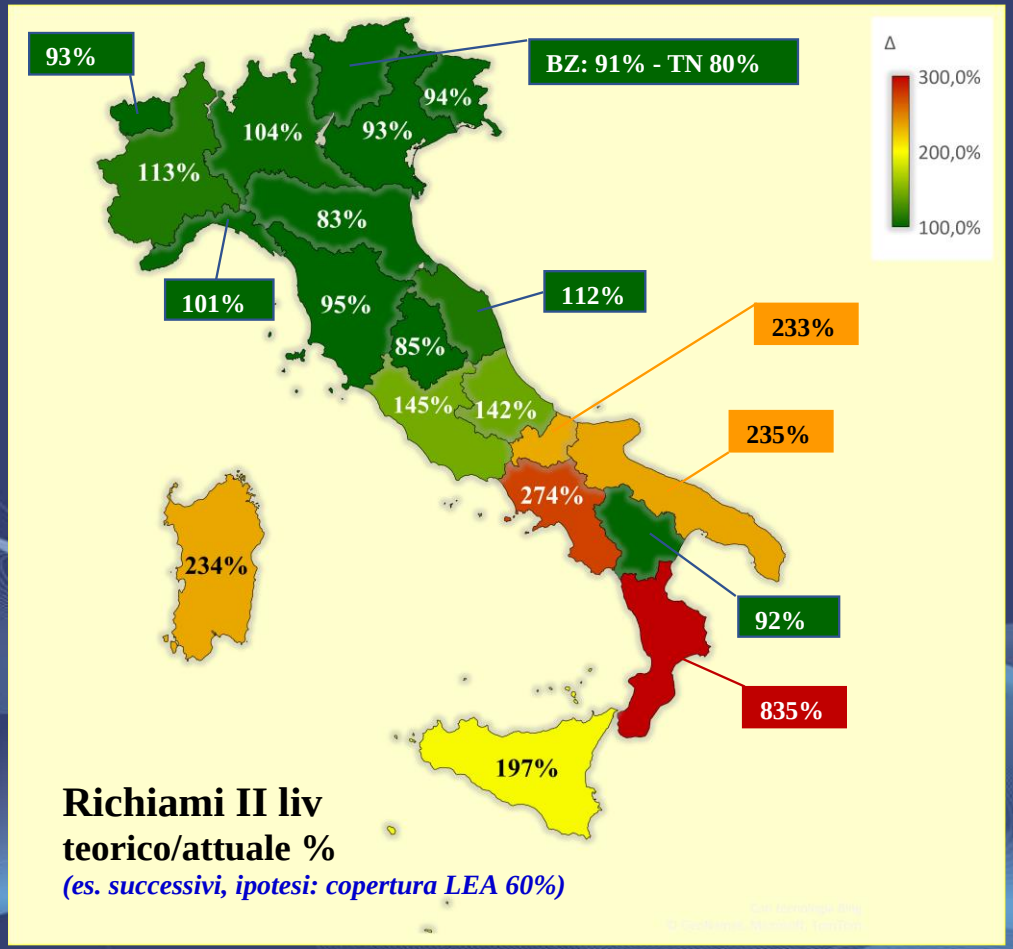


Dati mancanti:
- ✓ **Molise**
- ✓ **Puglia**

RR I esami	es. succ
Accettabile: 7%	5%
Desiderabile: 5%	3%

Esami successivi	
Regione	**DR≤10 mm**
Abruzzo	1,2
Basilicata	1,6
Bolzano	0,7
Campania	0,5
Emilia-Romagna	1,7
Friuli VG	1,4
Lazio	1,3
Liguria	0,9
Lombardia	1,4
Marche	1,1
Piemonte	1,1
Sardegna	0,9
Sicilia	0,7
Toscana	1,9
Trento	2,3
Umbria	0,7
Veneto	1,6
Mancanti: Calabria, Molise, Puglia, Valle d'Aosta	

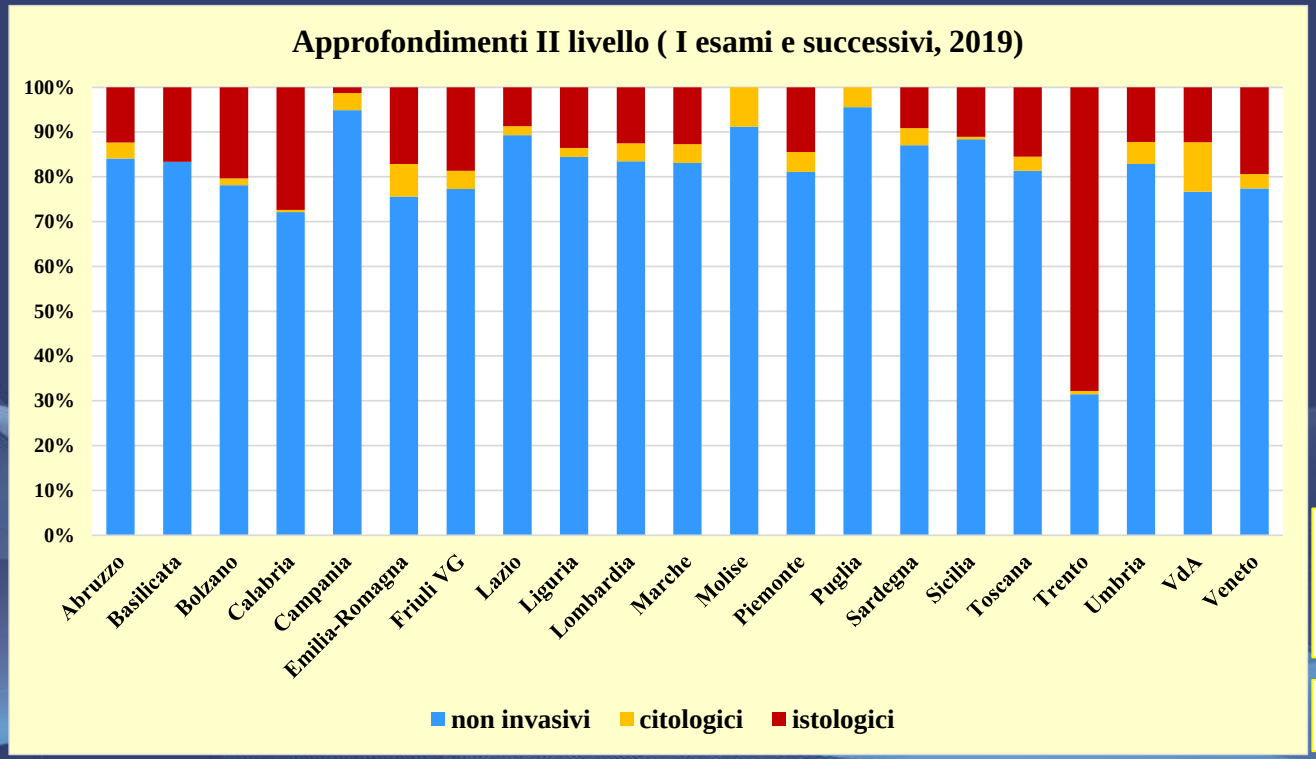




Richiami teorici/attuali

Regioni	Richiami attuali	Richiami teorici
Abruzzo	1249	1780
Basilicata	1082	997
Bolzano	512	465
Calabria	232	1936
Campania	5559	15237
Emilia-Romagna	8814	7294
Friuli VG	1924	1808
Lazio	7320	10640
Liguria	1934	1960
Lombardia	13164	13637
Marche	3166	3531
Molise	224	441
Piemonte	6320	7118
Puglia	629	1479
Sardegna	1188	2782
Sicilia	2201	4341
Toscana	8469	8027
Trento	368	293
Umbria	1938	1649
VdA	208	193
Veneto	7627	7085

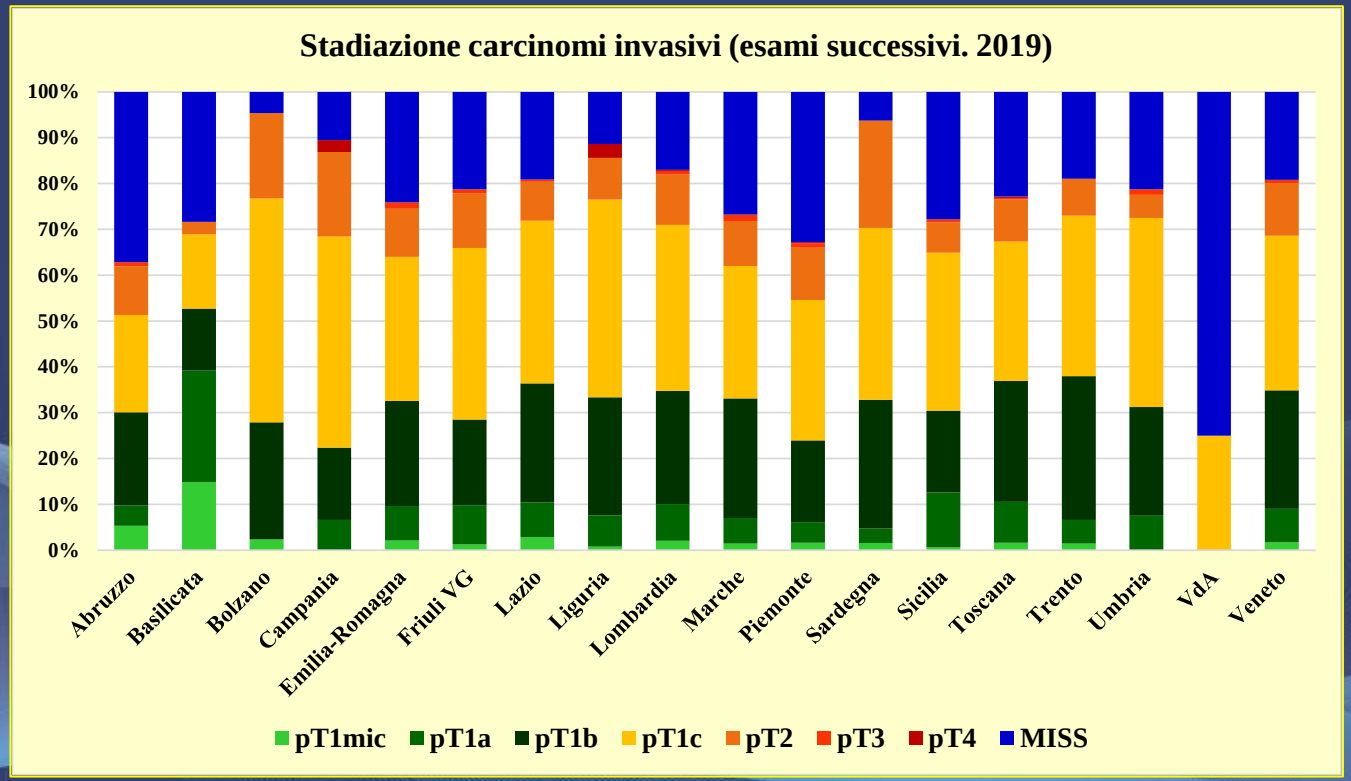
Approfondimenti



Dati mancanti:
- ✓ Calabria
- ✓ Molise
- ✓ Puglia
- ✓ Valle d'Aosta

* Esami successivi
** I es. e successivi

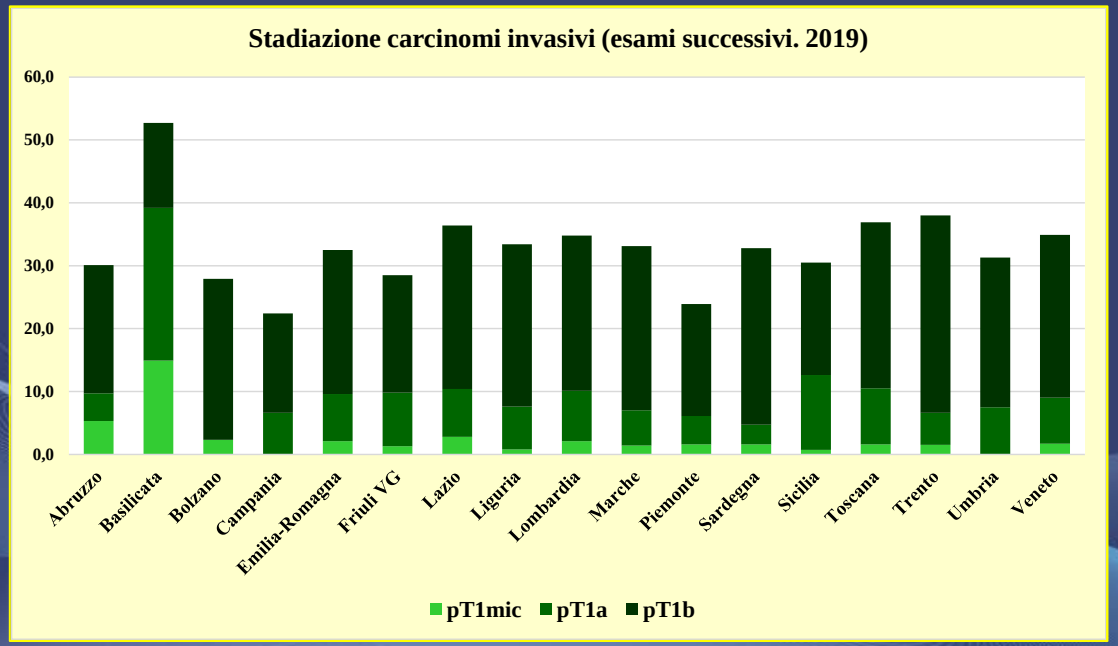
Stadiazione ca. invasivi



Dati mancanti:

- ✓ Calabria
- ✓ Molise
- ✓ Puglia

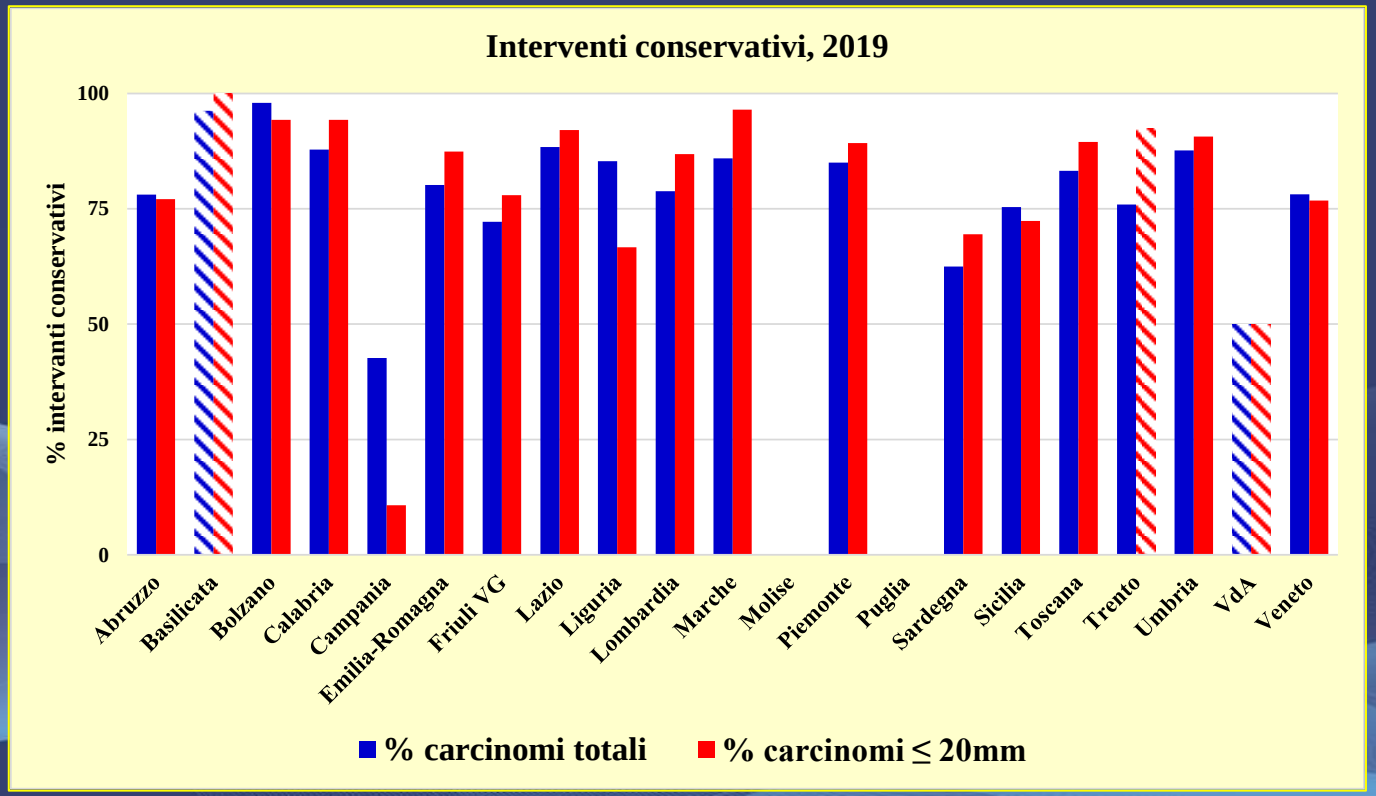
Stadiazione, chirurgia



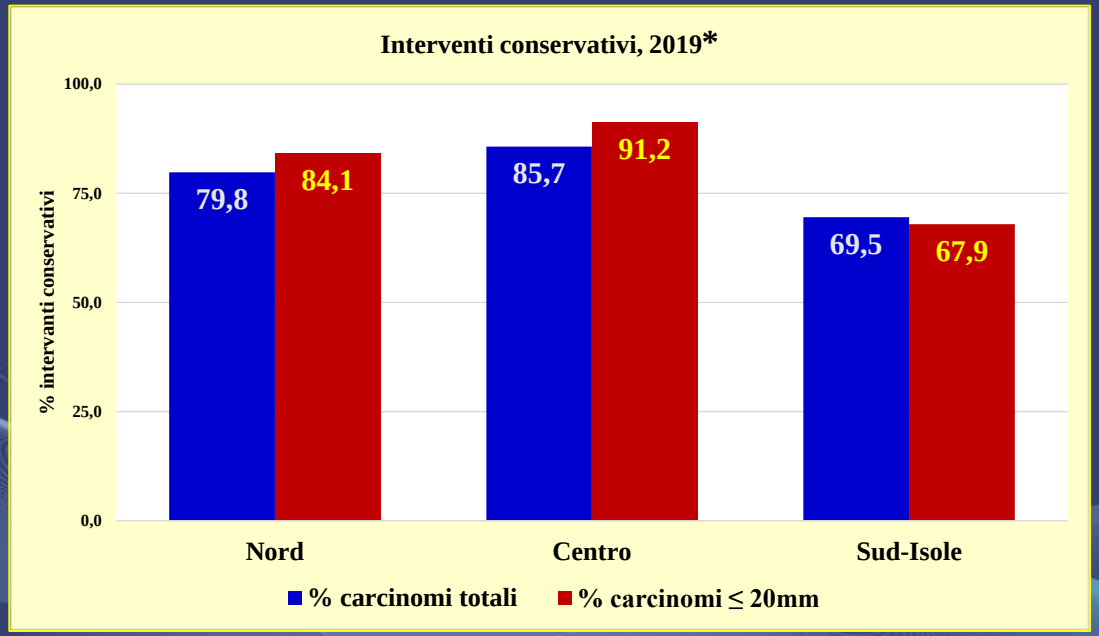
Regioni (2019)	Oper. benigni / maligni	Les. benigne operate*
Abruzzo	0,04	7,34
Basilicata	0,22	53,52
Bolzano	0,06	8,70
Campania	0,19	14,78
Emilia-Romagna	0,10	35,76
Friuli VG	0,11	35,86
Lazio	0,14	20,19
Liguria	0,11	17,79
Lombardia	0,10	21,00
Marche	0,16	28,38
Piemonte	0,10	26,08
Sardegna	0,02	1,60
Sicilia	0,12	9,43
Toscana	0,20	62,06
Trento	0,07	31,87
Umbria	0,03	4,69
Veneto	0,12	34,46

Primi esami e successivi *(*) tassi grezzi x 100.000*

Interventi conservativi



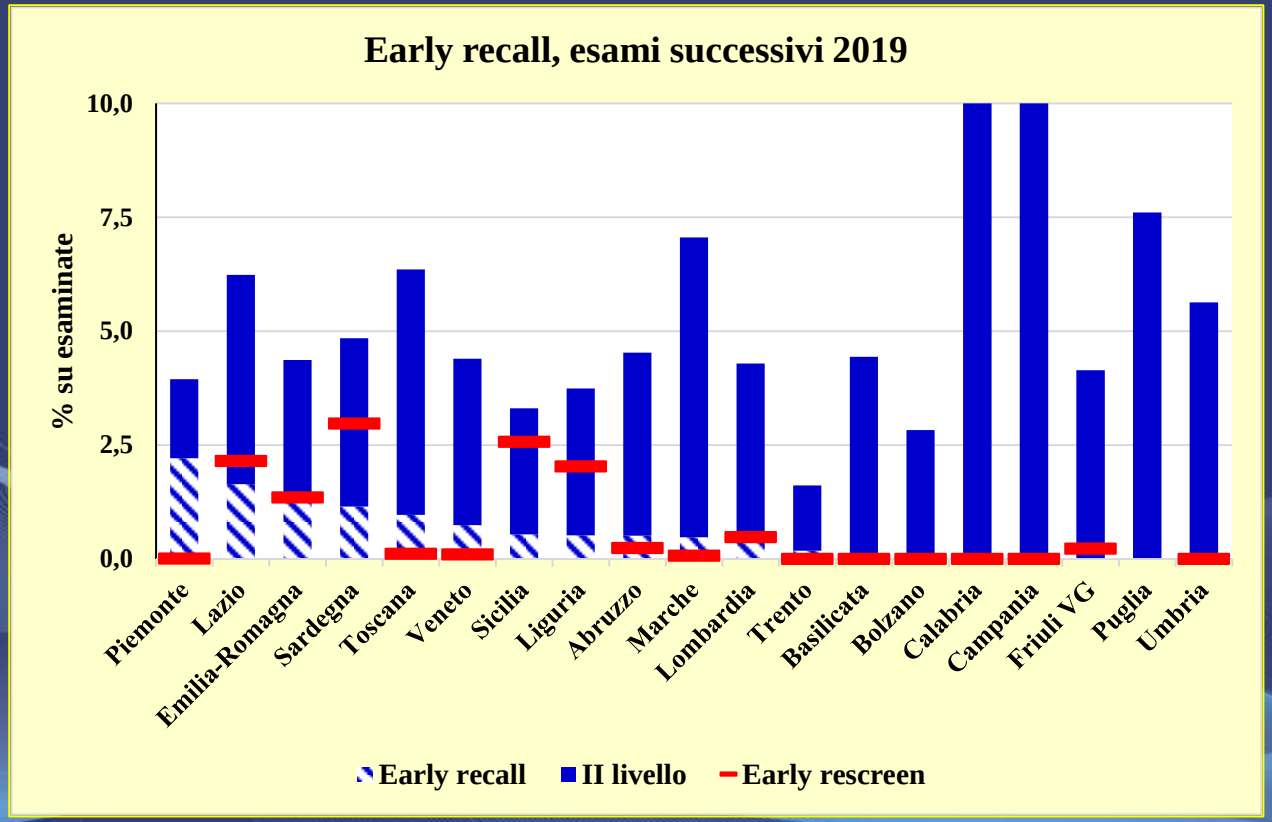
Interventi conservativi



*escluse PA Trento, Valle d'Aosta, Basilicata, Molise e Puglia

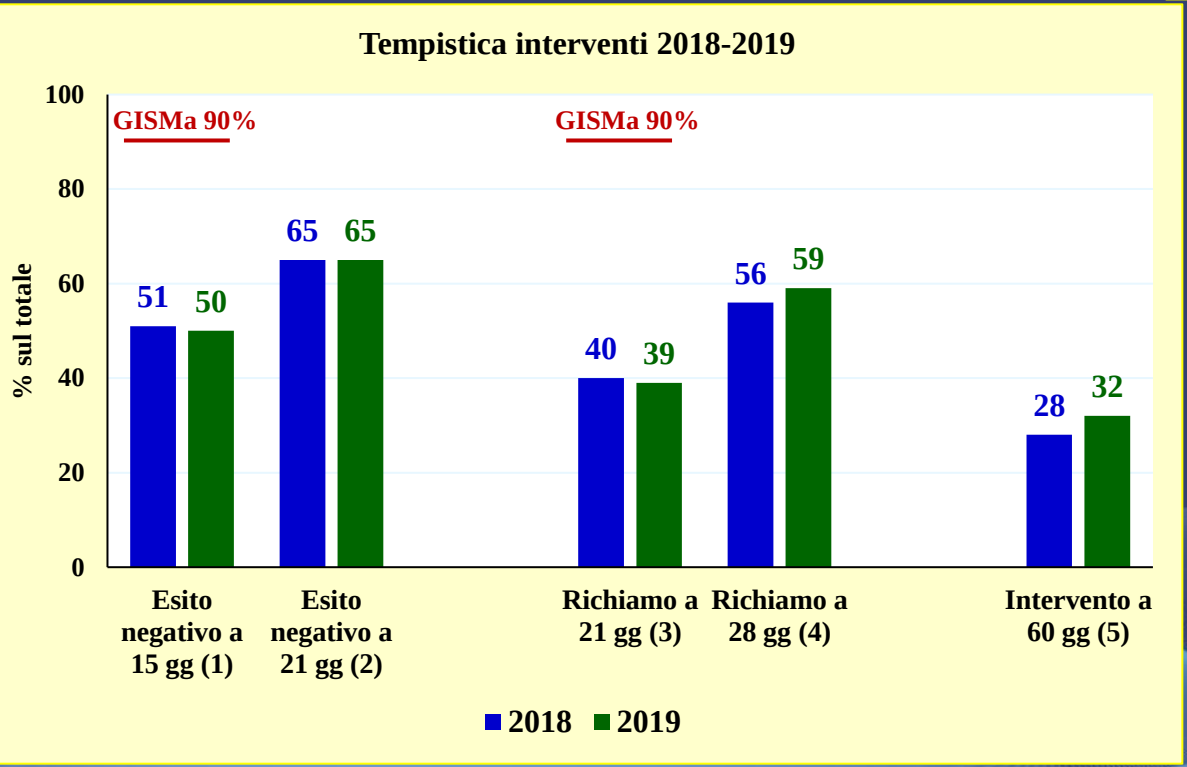
Trend 2014-19	APC tot	APC pT1	p
Nord	-0,16	-0,40	⟷
Centro	+0,04	-0,24	⟷
Sud-Isole	+1,18	-1,19	⟷

Early Recall



Accettabile: <1%
Desiderabile: 0%

Tempistica 2018-2019



Range regionali 2019:

1. 10-85%
2. 17-100%
3. 13-100%
4. 24-100%
5. 4-100%

(dati regionali mancanti)

Rappresentatività:

	2018	2019	range 2019
(1)	96,4%	93,9%	(40-100%)
(2)	98,1%	94,6%	(60-100%)
(3)	96,6%	95,0%	(76-100%)
(4)	98,0%	98,2%	(84-100%)
(5)	94,9%*	92,2%*	(65-100%)

(dati regionali mancanti)

Conclusioni

Qualità dei dati
- Rilevazione
- Completezza
- Correttezza
- Congruità

Bias indicatori
- Selezioni su coperture parziali

Organizzazione
- Revisione indicatori
- Coordinamenti regionali
- Survey annuali puntuali
- Rapporto con Registri tumori

Analisi 2019
- Miglioramenti in alcune Regioni
- Deficit stabili di copertura
- Criticità I-II livello
- Impatto incerto
- Tempistica

Grazie a:

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