

GISCoR

gruppo italiano screening coloretale

**XII CONGRESSO
NAZIONALE 2017**

7-8 Novembre 2017

CORSO PRE-CONGRESSO

7 Novembre 2017

Survey Nazionale 2016: gli indicatori del 2° livello diagnostico

Manuel Zorzi

Registro Tumori del Veneto
Regione del Veneto

Anna Turrin

Direzione Prevenzione, Sicurezza
Alimentare, Veterinaria
Regione del Veneto

In programma...

Dati di secondo livello relativi ai
soggetti screenati nell'anno 2015

Conflitto di interessi: nessuno

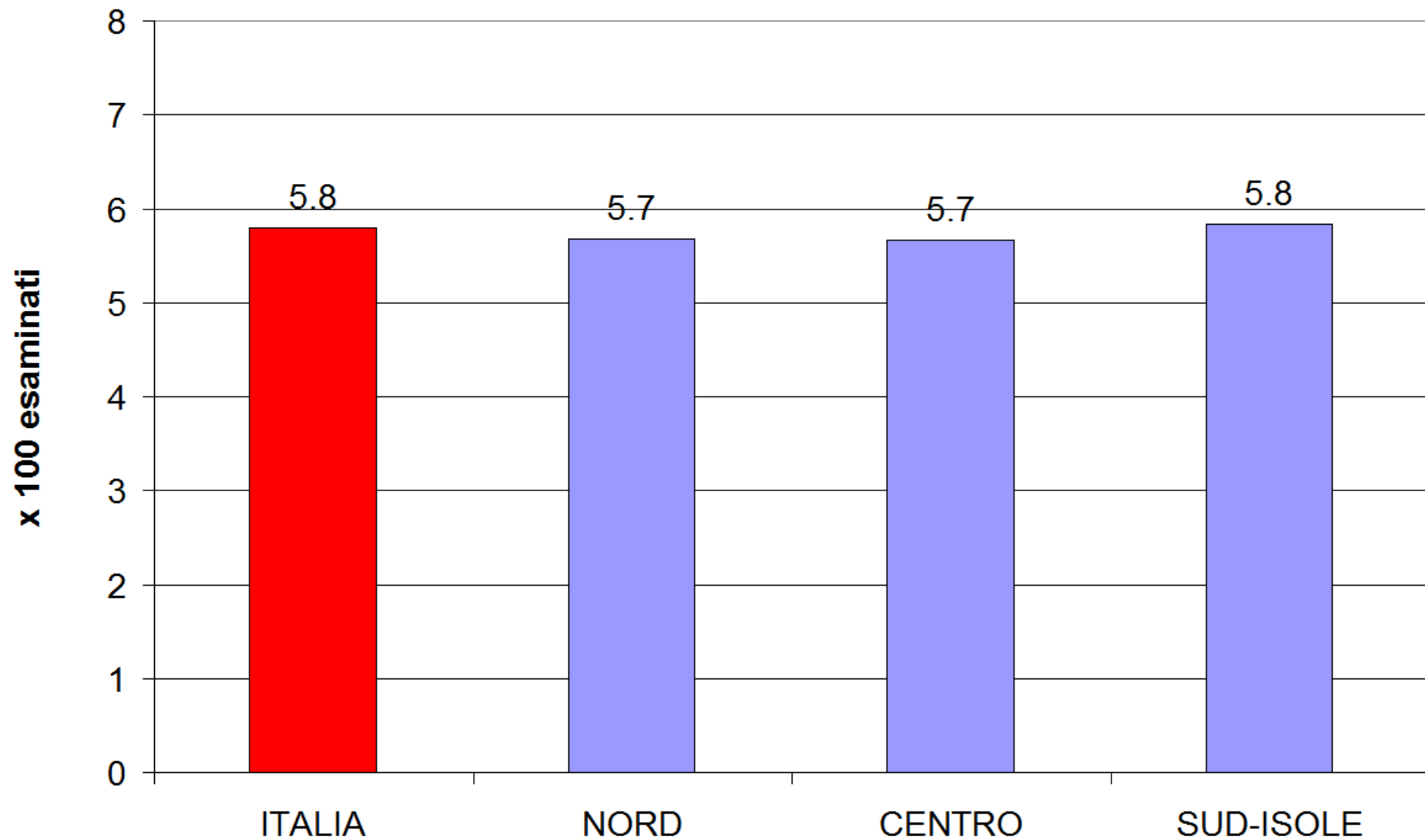
Programmi 2015 con dati incompleti

Regione	Totale	Adesione	Invio 2° parte	2° Livello	Diagnosi	Trattamento	Follow up
Abruzzo	4	4			1	2	3
Alto Adige	1						1
Basilicata	1					1	
Calabria	2	2				2	1
Campania	6					2	1
E. Romagna	11						
Friuli V. Giulia	1						
Lazio	12	1		1	1	1	
Liguria	5					2	1
Lombardia	15					1	1
Marche	5						
Molise	1			1	1	1	1
Piemonte	9					5	
Puglia	0						
Sardegna	8	1				3	
Sicilia	9	1		1		4	1
Toscana	12					1	4
Trentino	1						
Umbria	1						1
Valle d'Aosta	1						
Veneto	21					4	
TOTALE	126	9	0	3	3	29	15

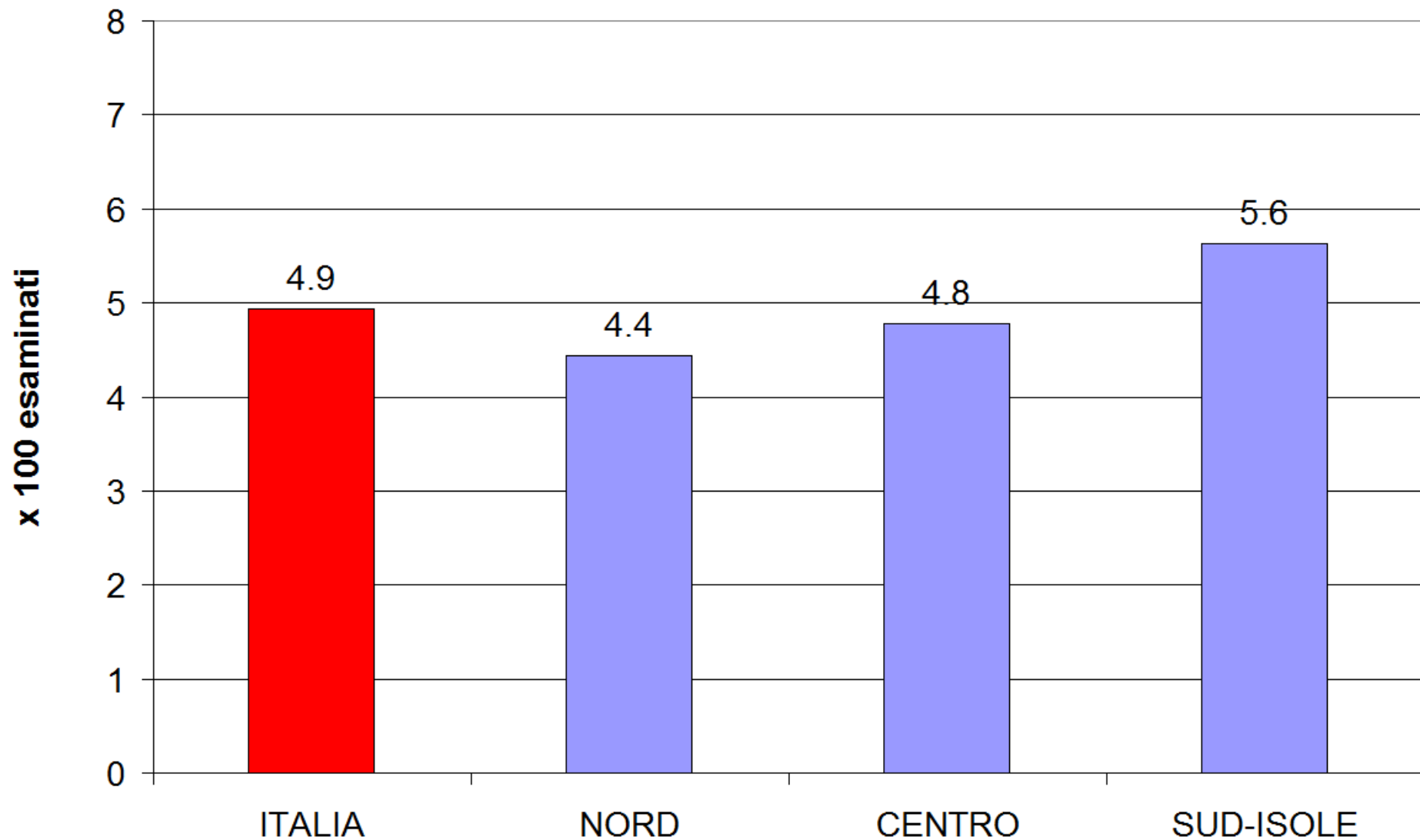
I numeri

	Primi esami	Es. successivi	Totale
Screenati	779.190	1.555.328	2.334.518
Positivi	46.585	72.366	118.951
Colonscopie eseguite	34.143	58.378	92.521
Carcinomi	1.497	1.625	3.122
di cui adenomi cancerizzati	29,8%	19,4%	24,4%
Adenomi avanzati	7.266	10.253	17.519
Carcinomi stadiati	67,4%	71,3%	69,5%
	NORD	CENTRO	SUD-ISOLE
Screenati	1.501.138	507.303	326.077

Tassi standardizzati di positività al sangue occulto primi esami

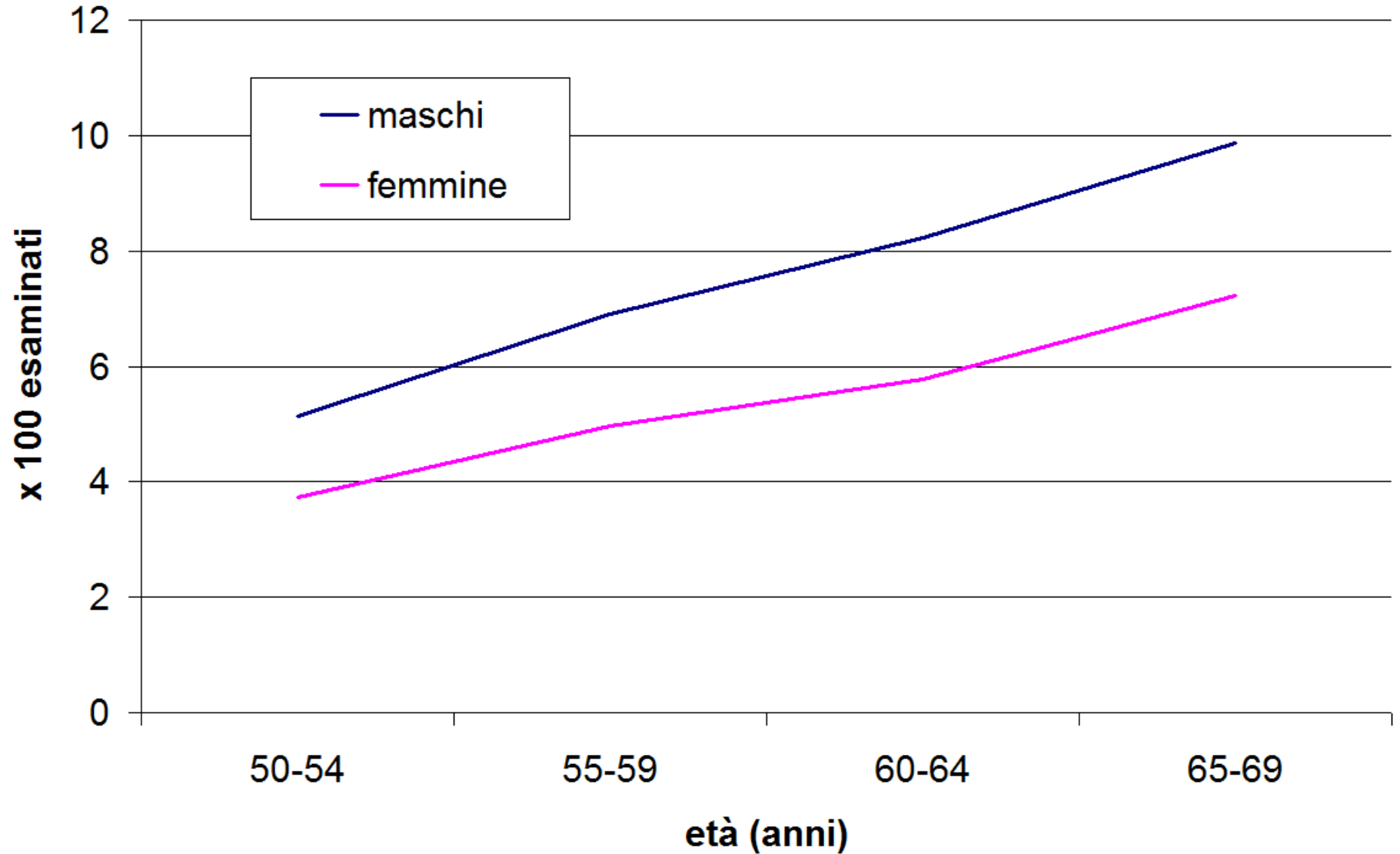


Tassi standardizzati di positività al sangue occulto esami successivi



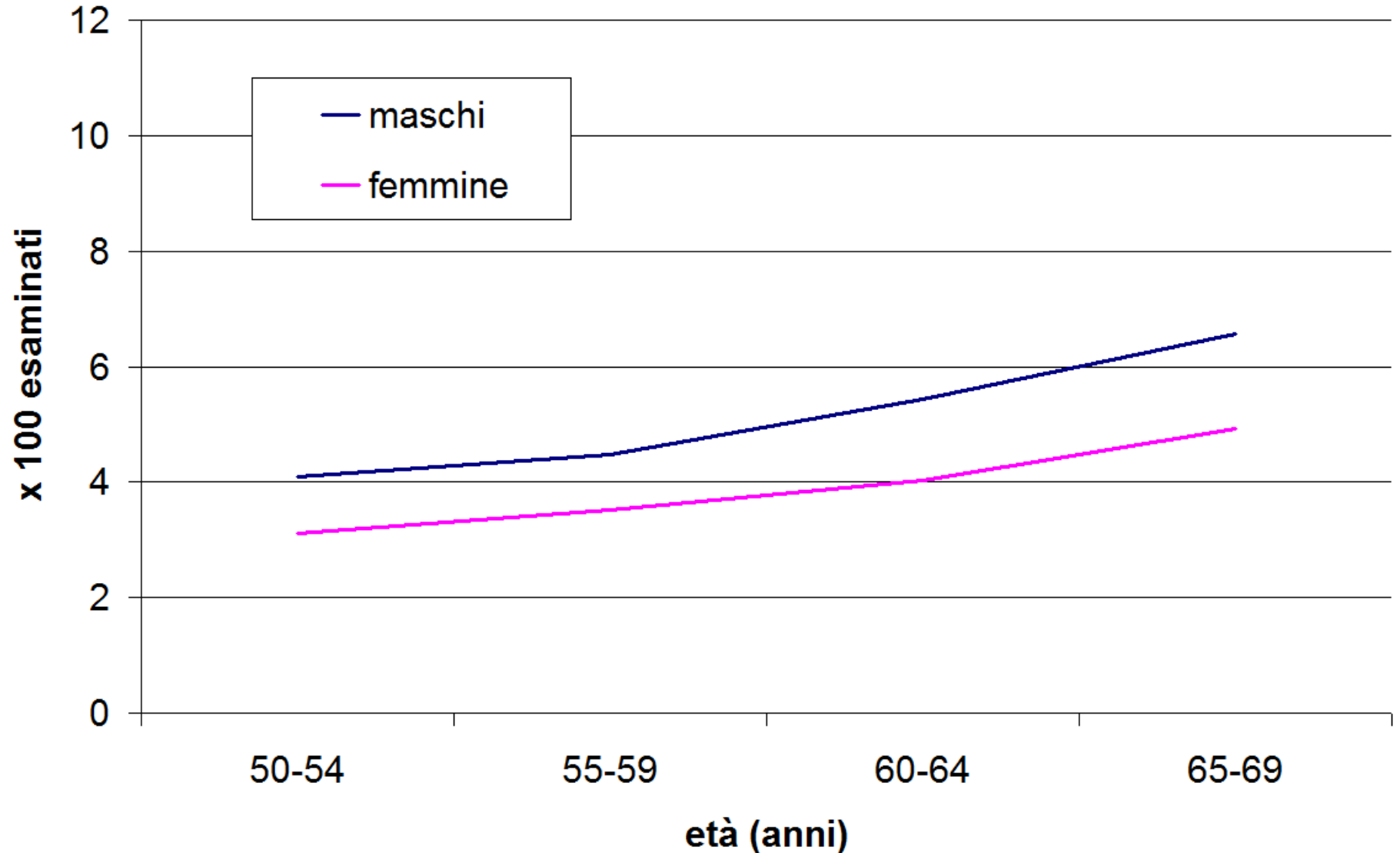
Positività al sangue occulto per sesso ed età

Primi esami

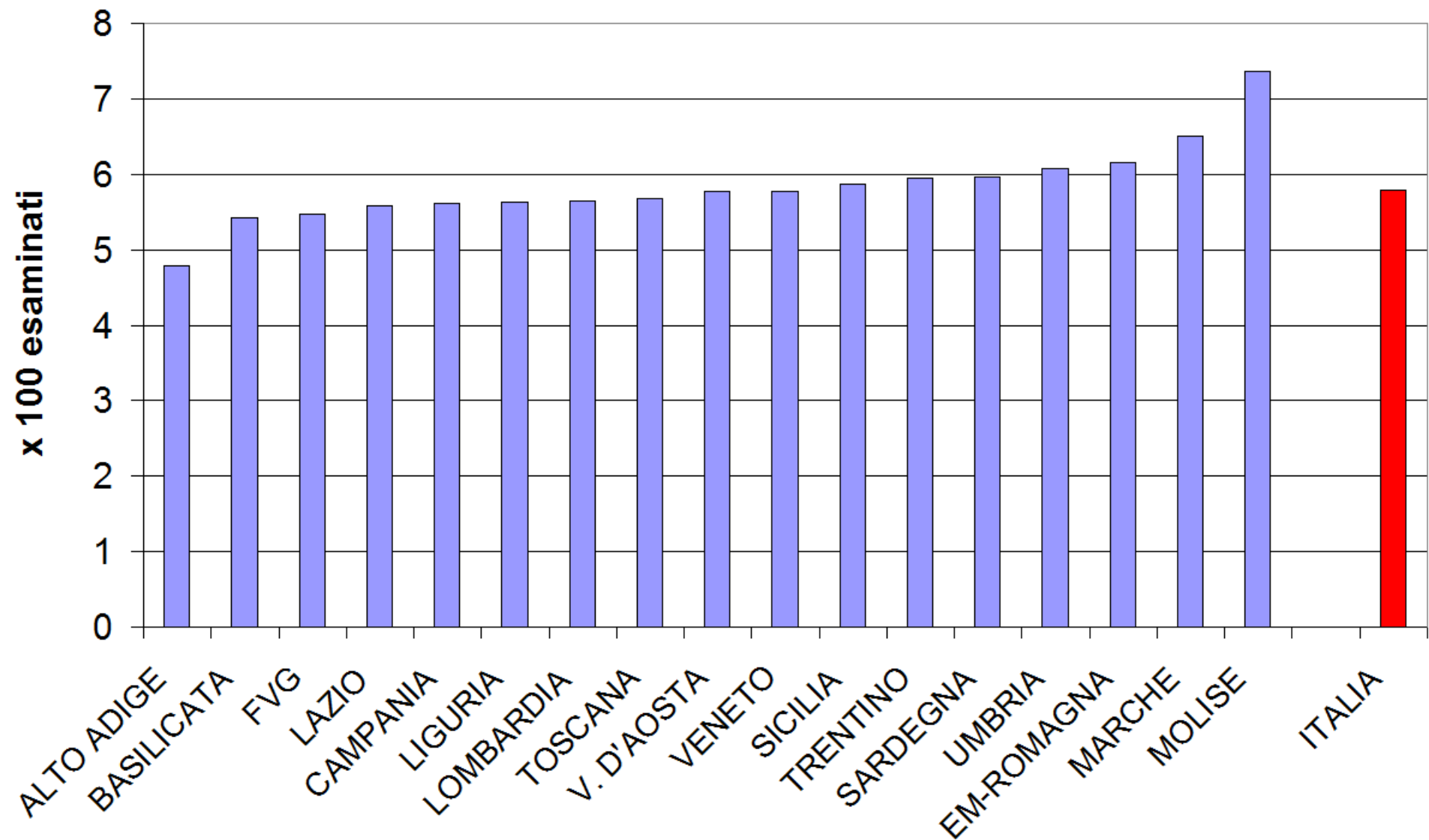


Positività al sangue occulto per sesso ed età

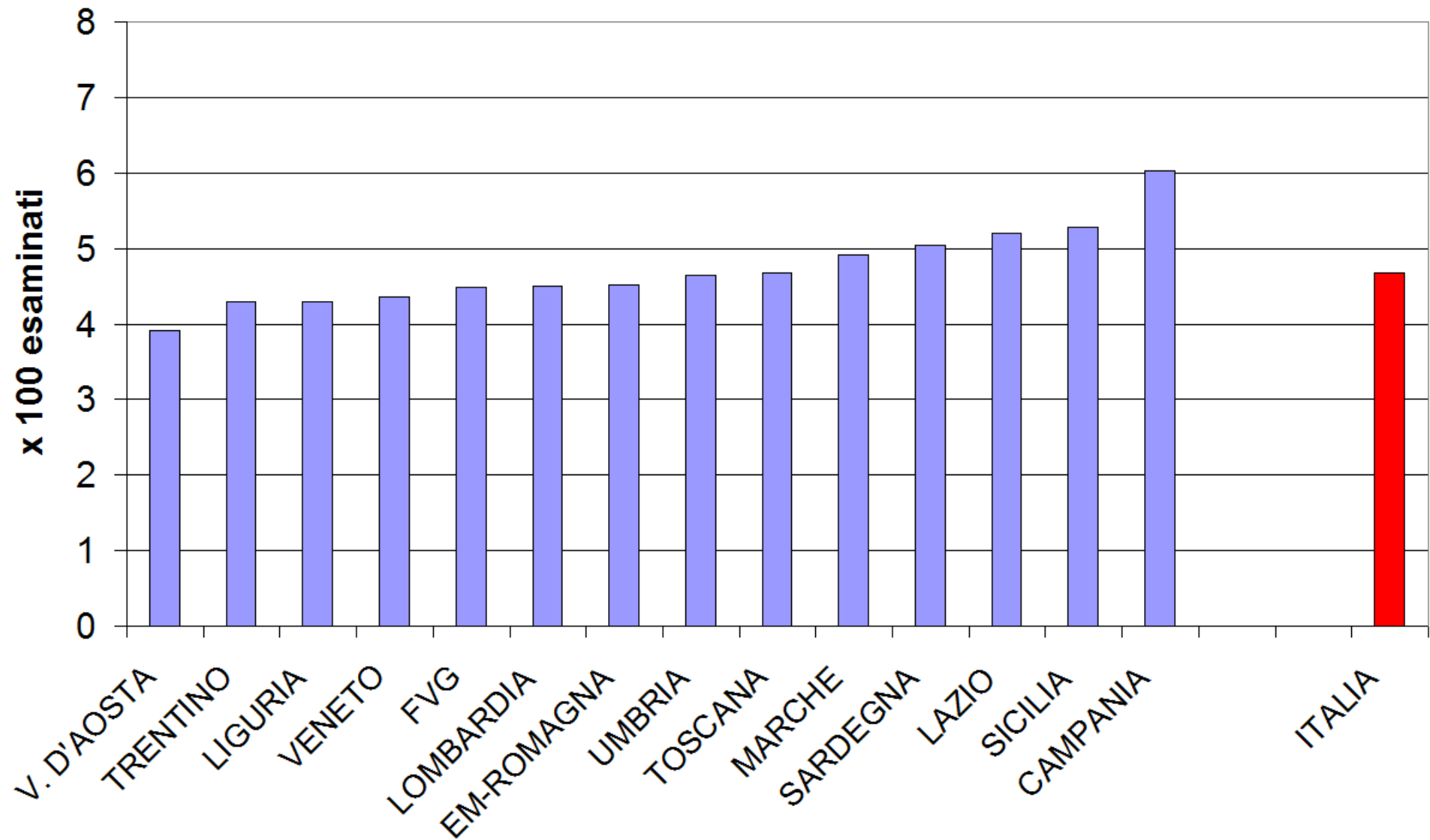
Esami successivi



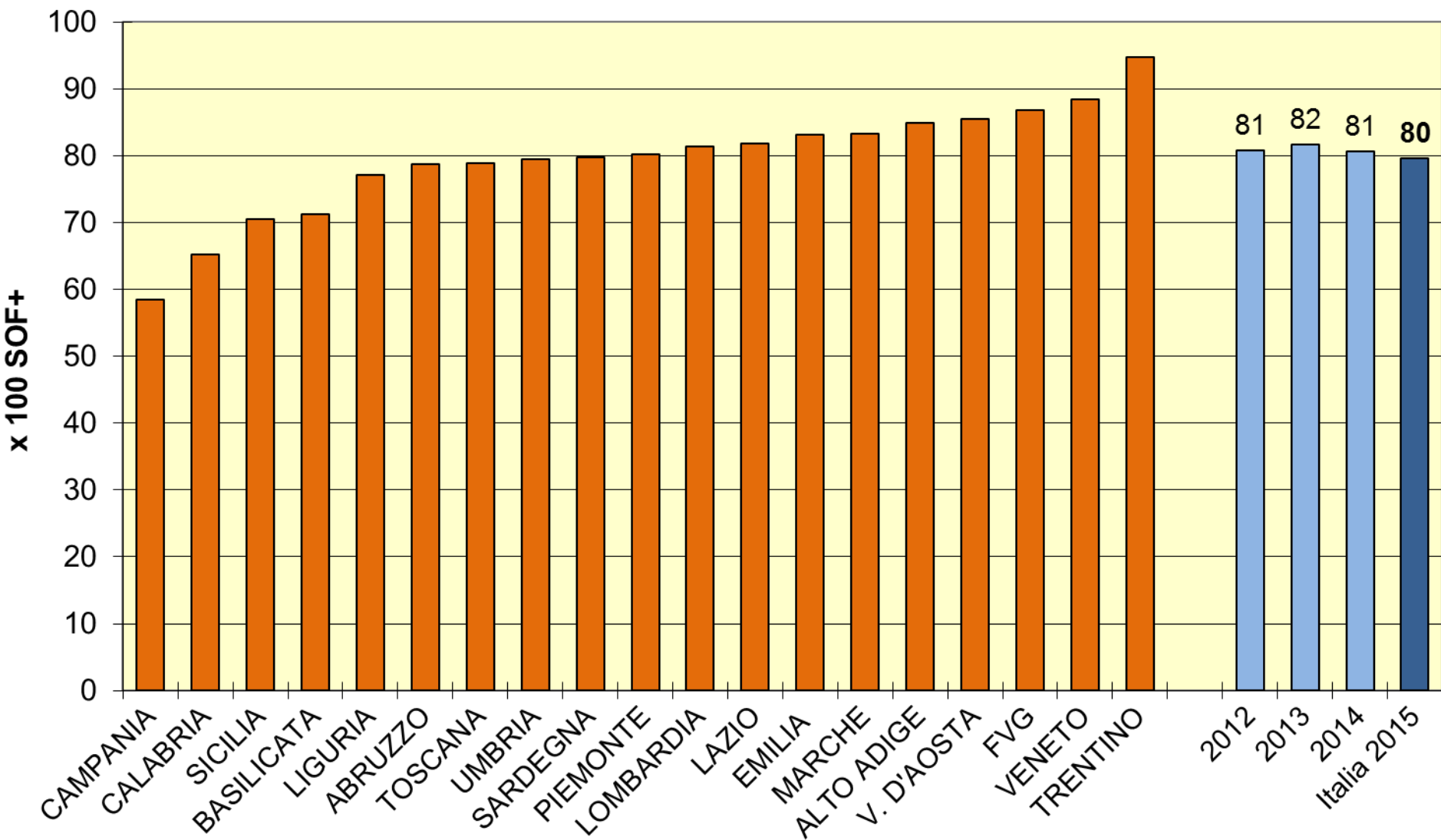
Tassi standardizzati di positività al sangue occulto, per Regione. Primi esami



Tassi standardizzati di positività al sangue occulto, per Regione. Esami successivi

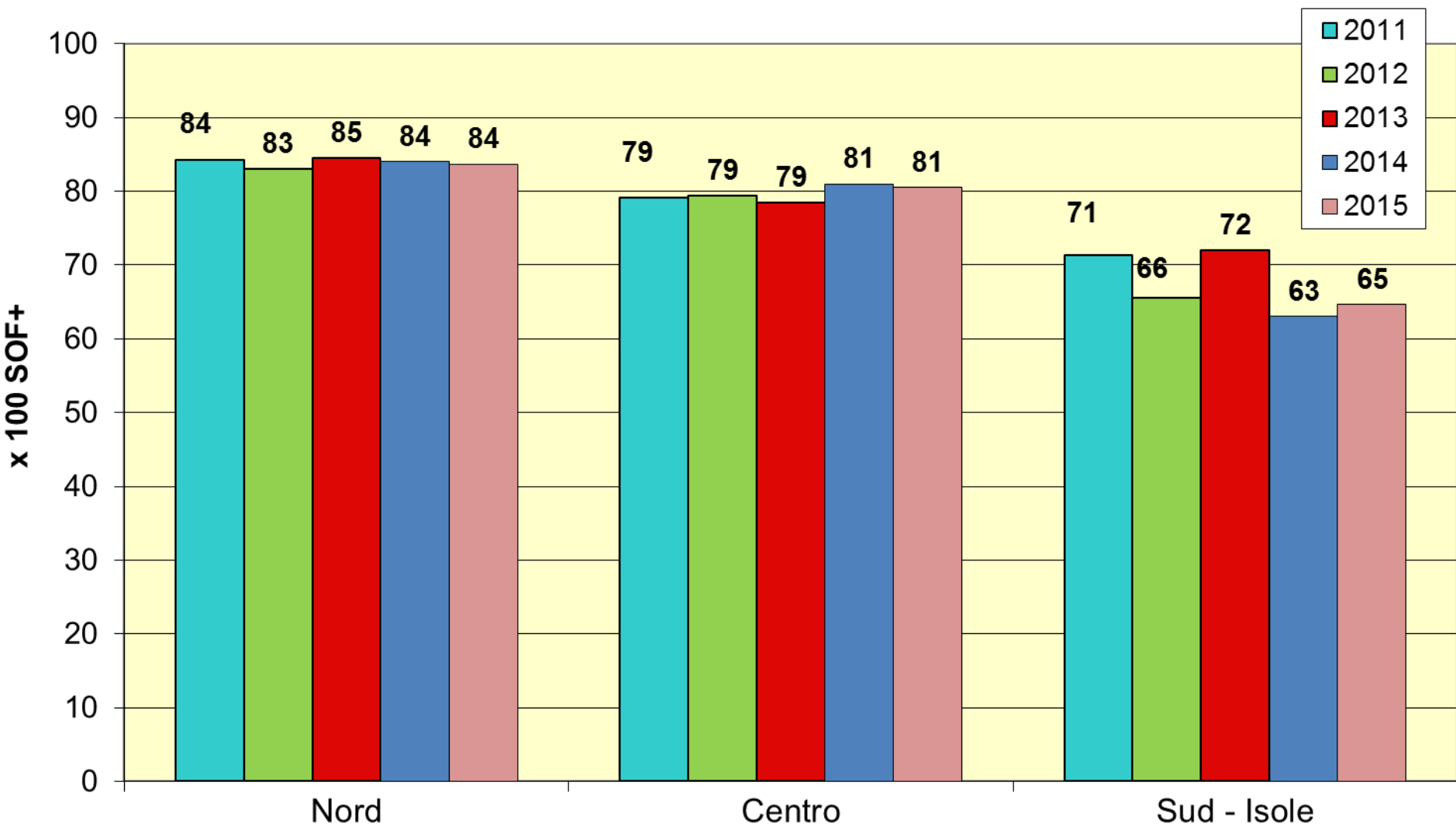


Adesione alla colonscopia



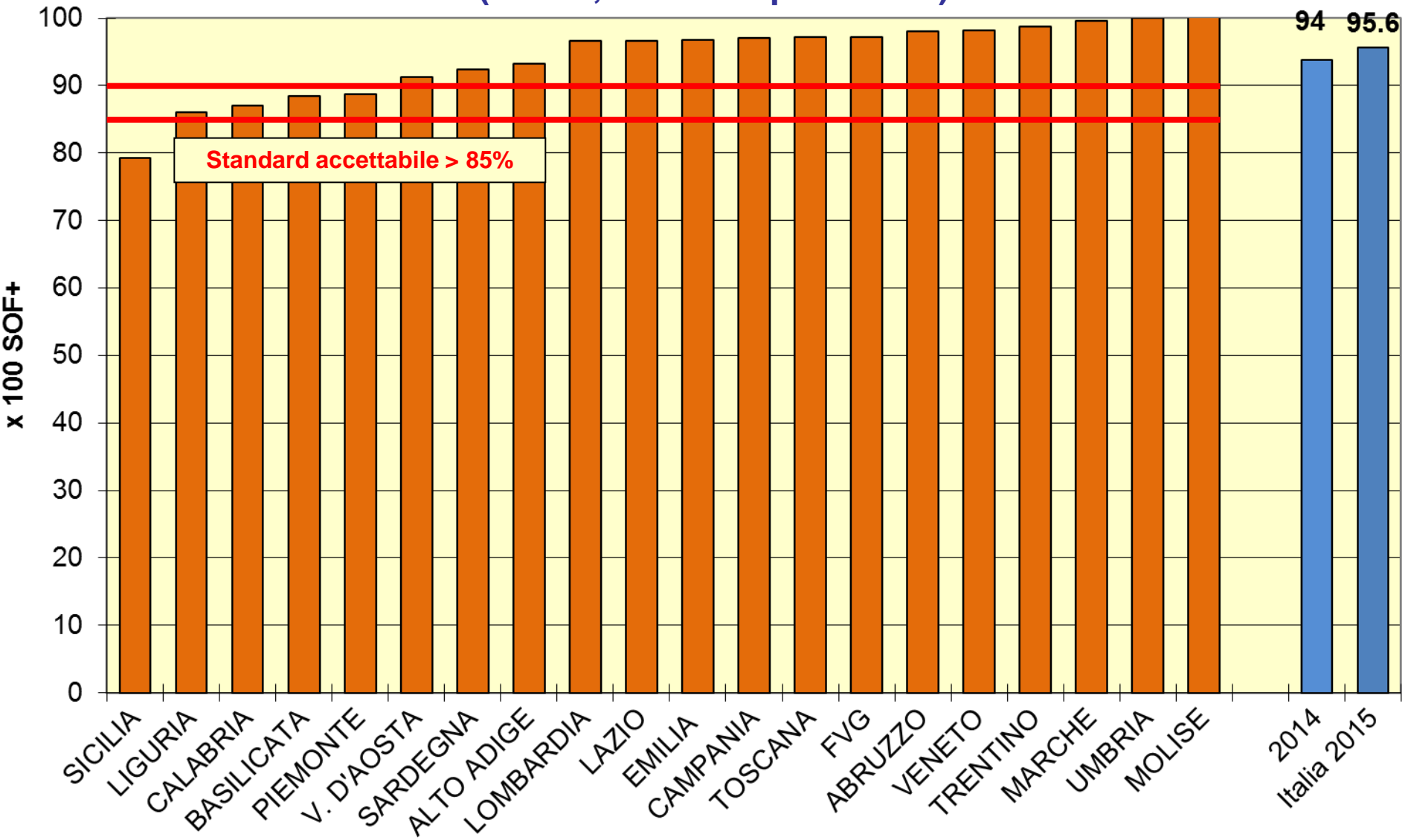
Standard accettabile > 85%, desiderabile > 90%

Adesione alla colonscopia per macroarea e anno



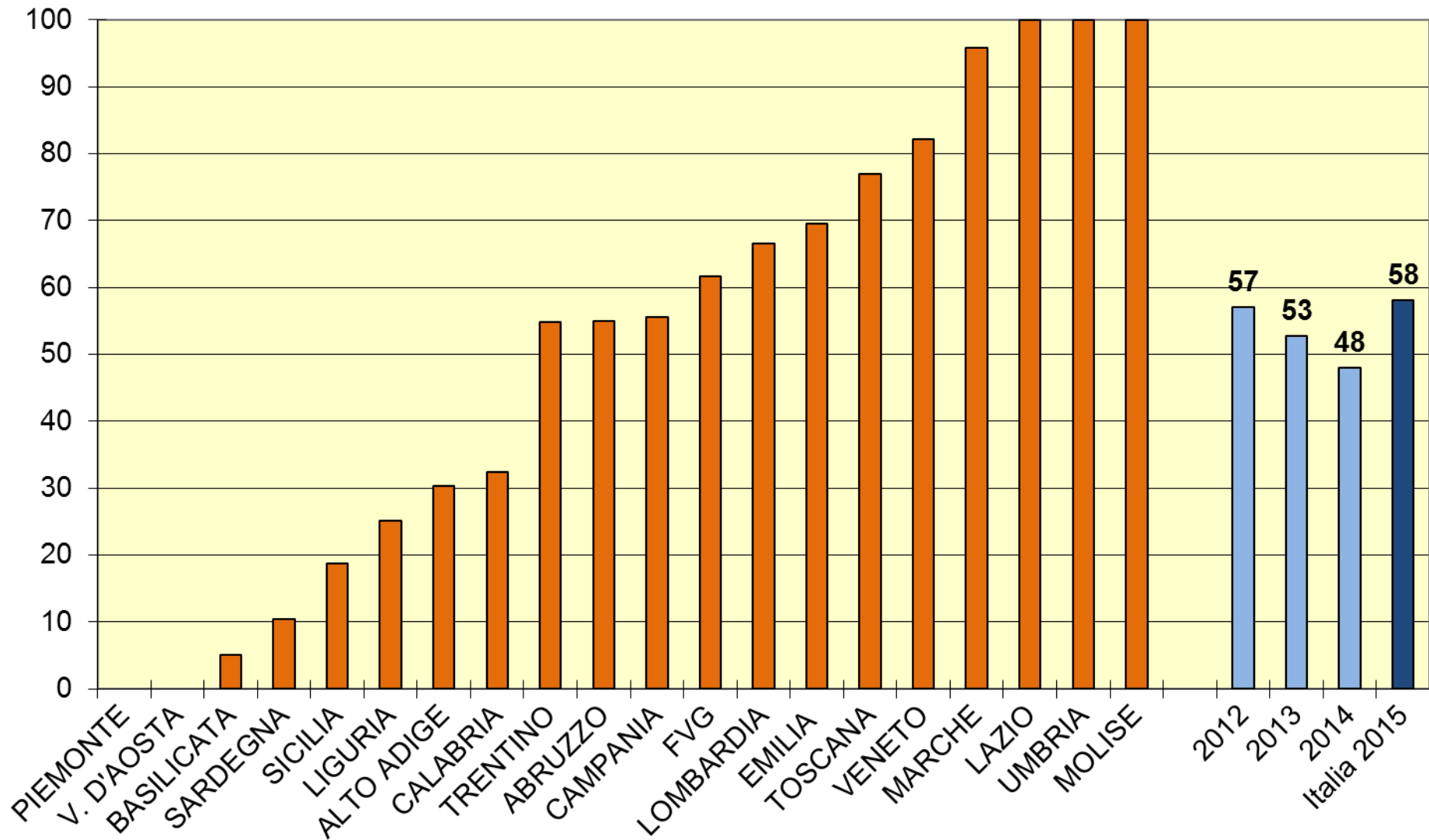
Colonscopia complete*

(media, 10° e 90° percentile)



* Includere colonscopie completate in momenti successivi ma comunque entro i 6 mesi dalla colonscopia indice

Colonscopie incomplete che vengono completate



VENETO - Studio delle complicanze post-colonscopia (= ricovero entro 30 giorni dall'esame)

		Survey 2012 (‰)	Studio delle complicanze (‰)
Colonscopie operative	Sanguinamenti	7.6	1.0
	Perforazioni	0.6	4.2
Colonscopie Non operative	Sanguinamenti	0	0.2
	Perforazioni	0.4	0.2

**VENETO - Studio delle complicanze post-colonscopia
(= ricovero entro 30 giorni dall'esame)
PERIODO 2002-2015**

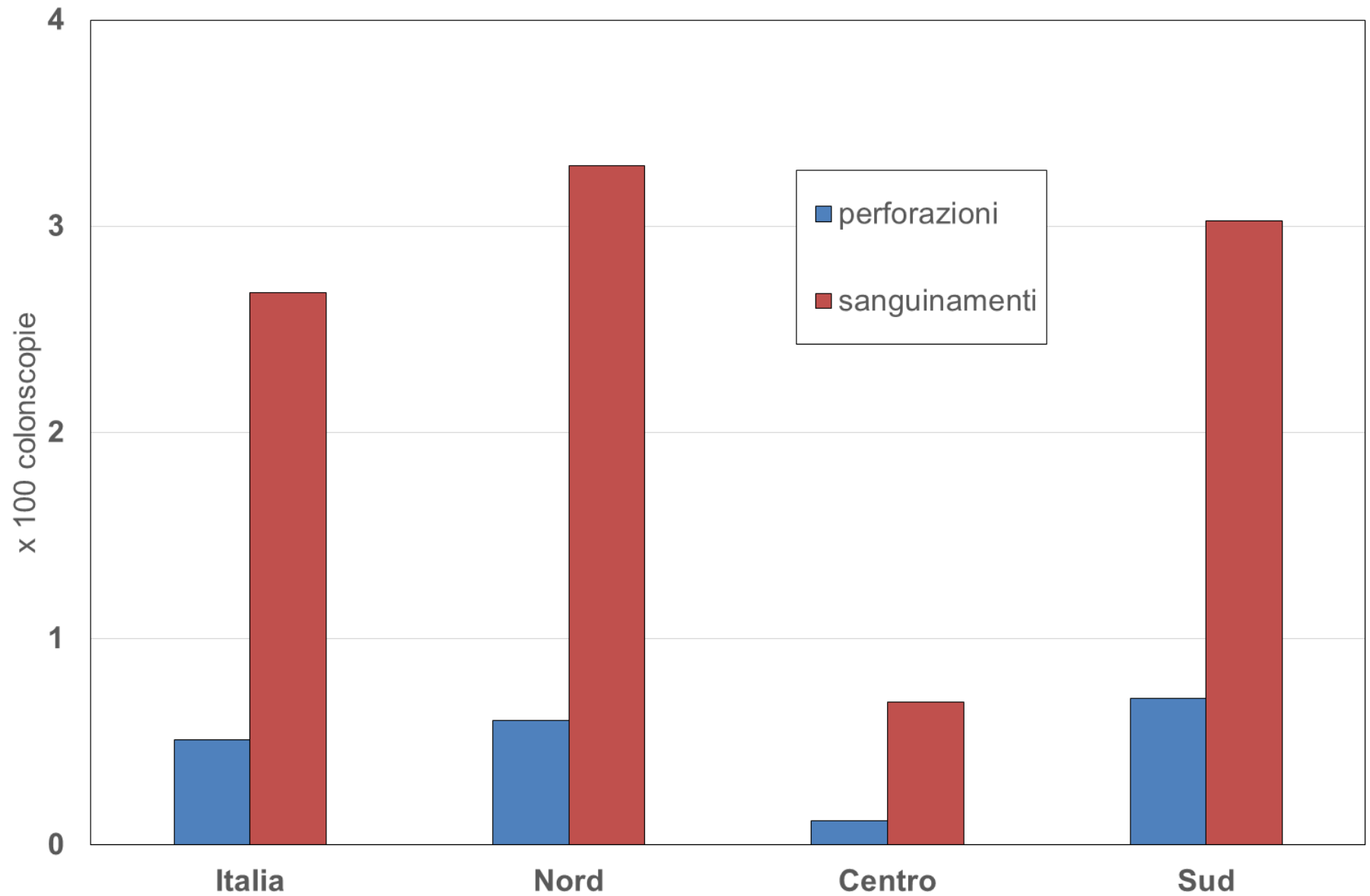
		Complicanze		
		N°	(%)	p value
Totale		117881	0.42	
Tipo di colonscopia	FIT+	99704	0.45	<0.001
	follow up	16743	0.22	
	completamento	1434	0.70	

Complicanze all'endoscopia

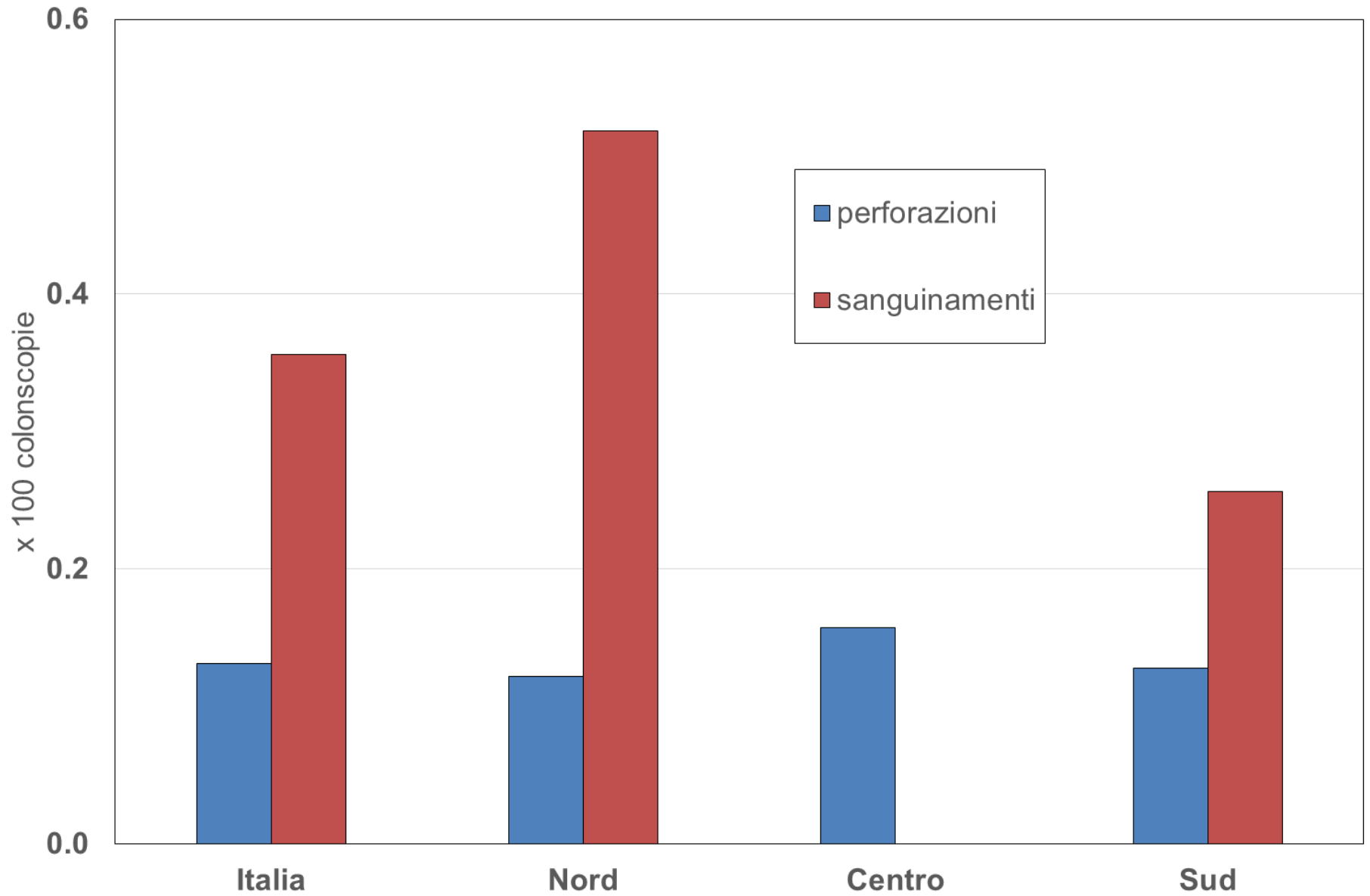
CT OPERATIVE	Media 2015	90° percentile	95° percentile	Standard
Sanguinamenti	2,7‰	5,1‰	8,5‰	<25‰
Perforazioni	0,5‰	1,7‰	3,6‰	<25‰

CT NON OPERATIVE	Media 2015	90° percentile	95° percentile	Standard
Sanguinamenti	0,4‰	0,0‰	1,6‰	<5‰
Perforazioni	0,1‰	0,0‰	0,1‰	<5‰

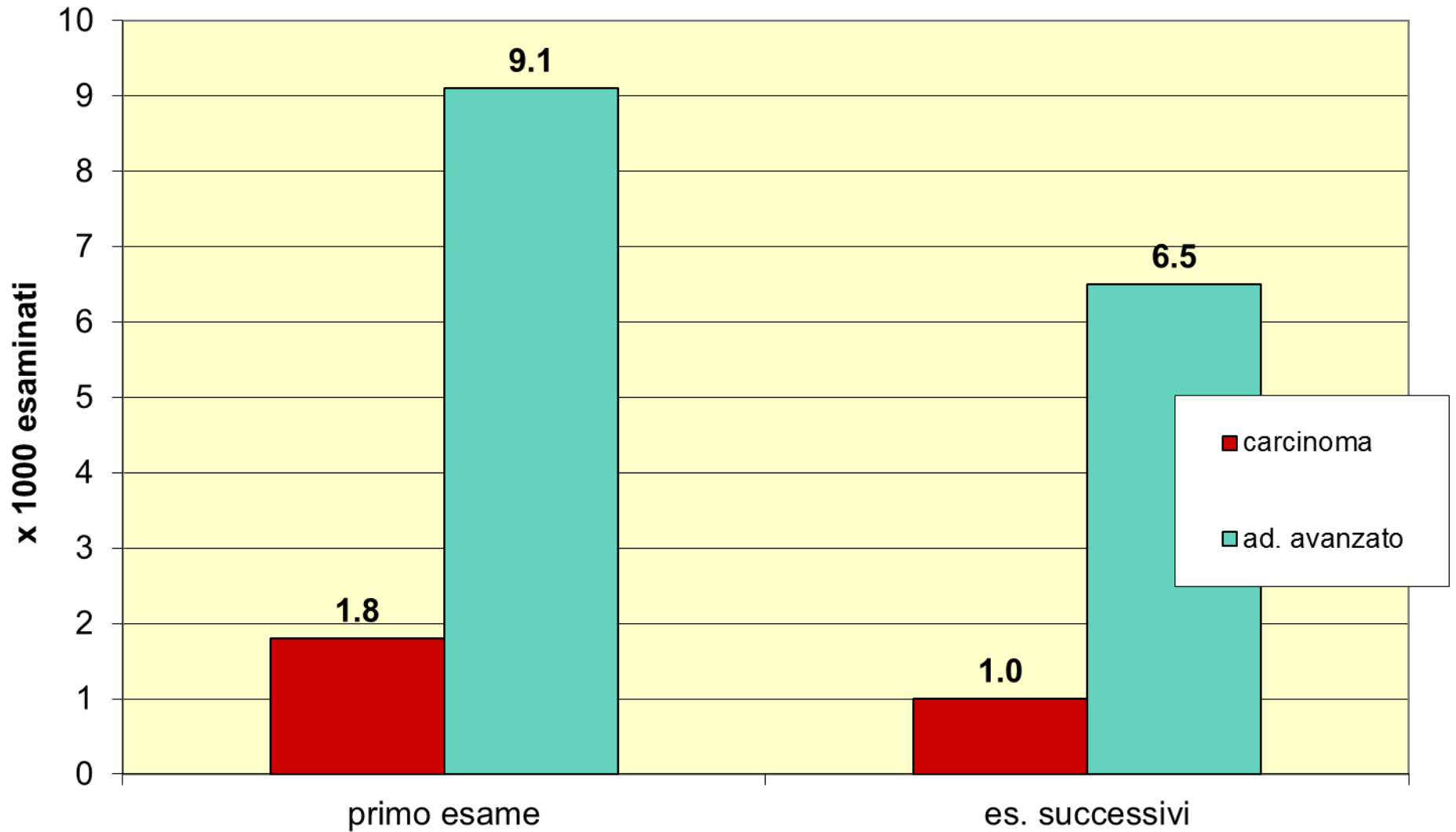
Complicanze delle colonscopie operative



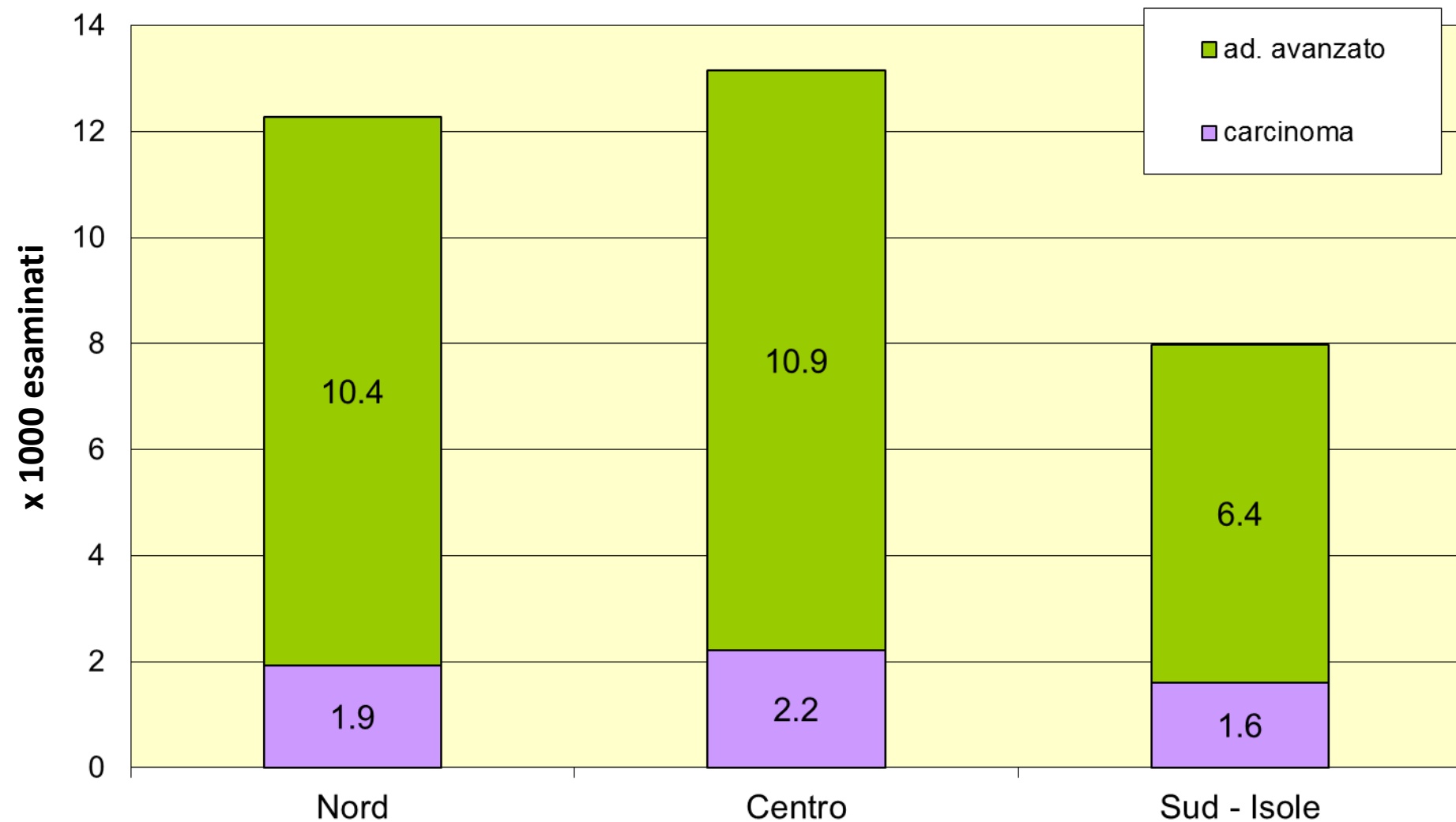
Complicanze delle colonscopie non operative



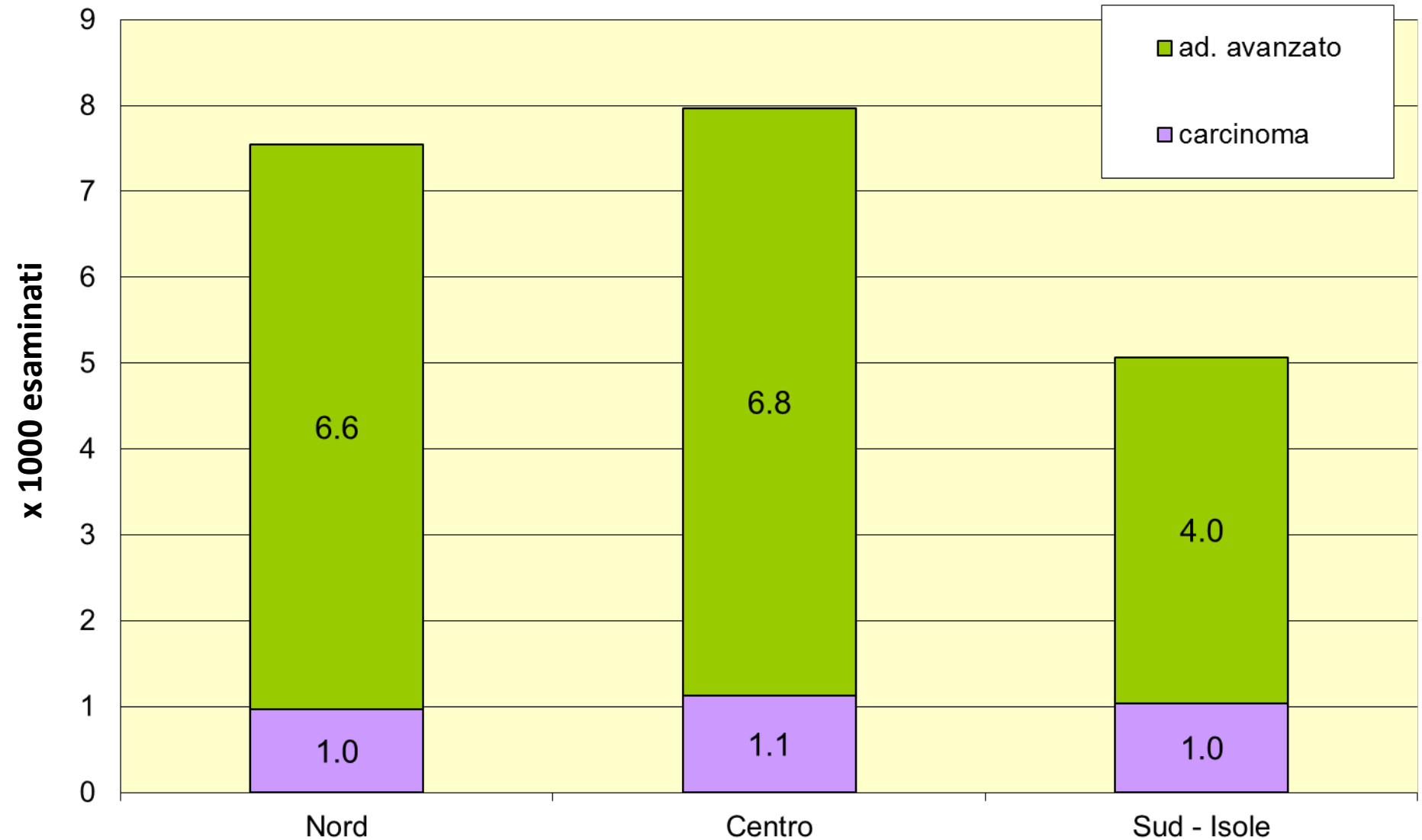
Tassi di identificazione 2015



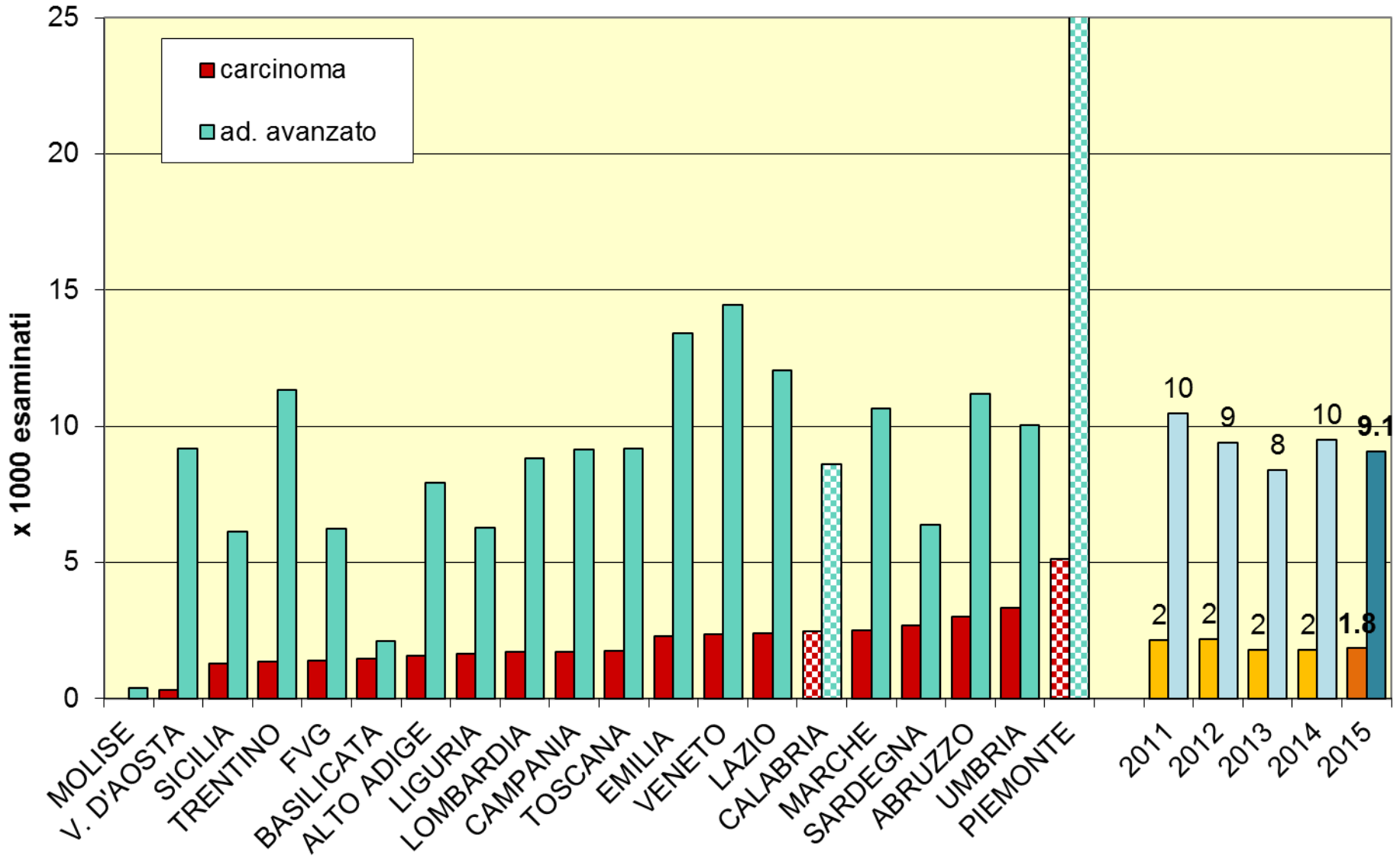
Tassi di identificazione per macroarea – primi esami



Tassi di identificazione per macroarea esami successivi



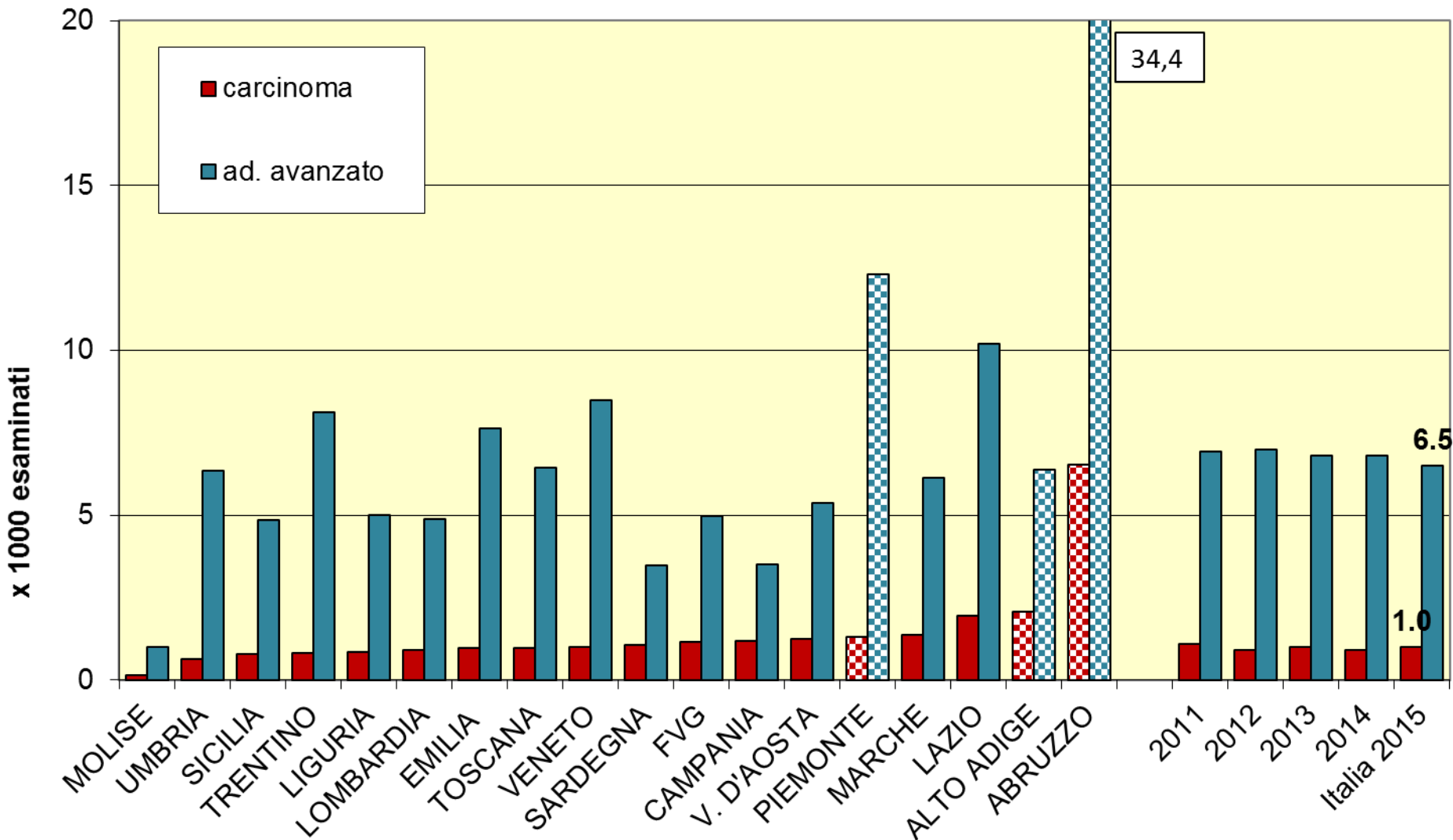
Tassi st. di identificazione ai primi esami



Carcinoma: Standard accettabile >2.0‰, desiderabile >2.5‰

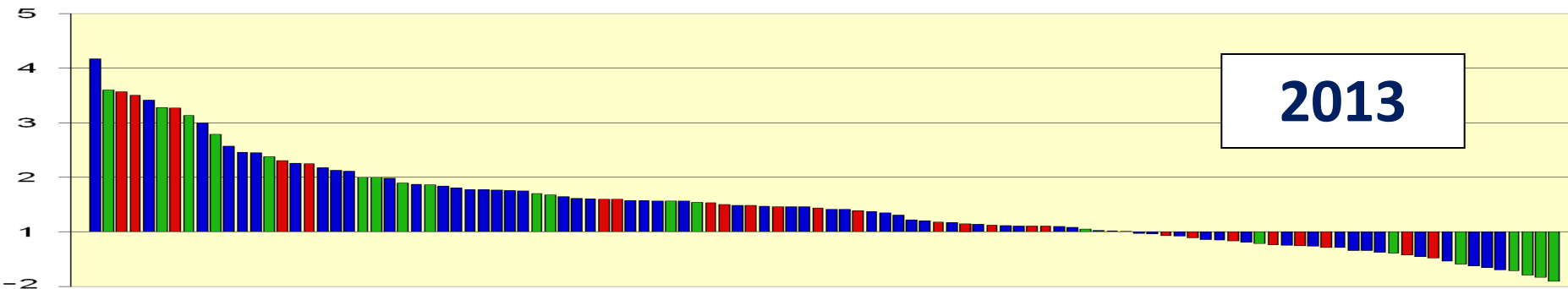
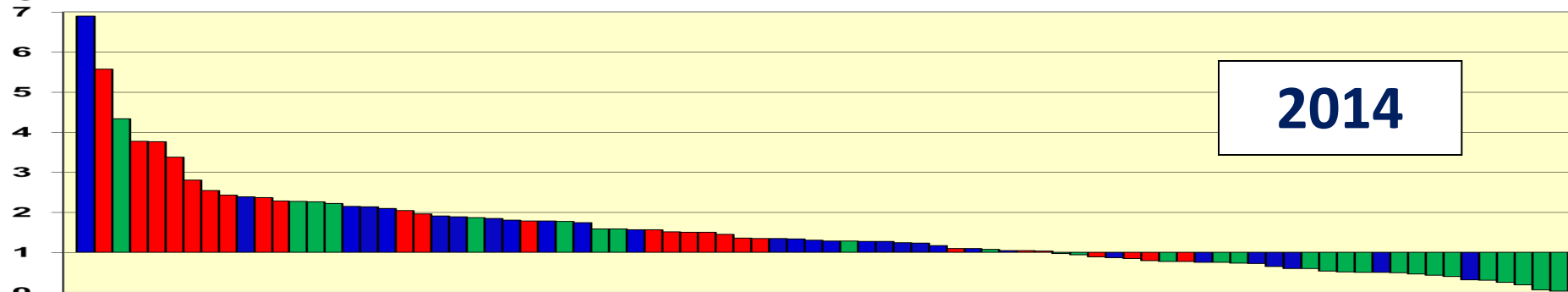
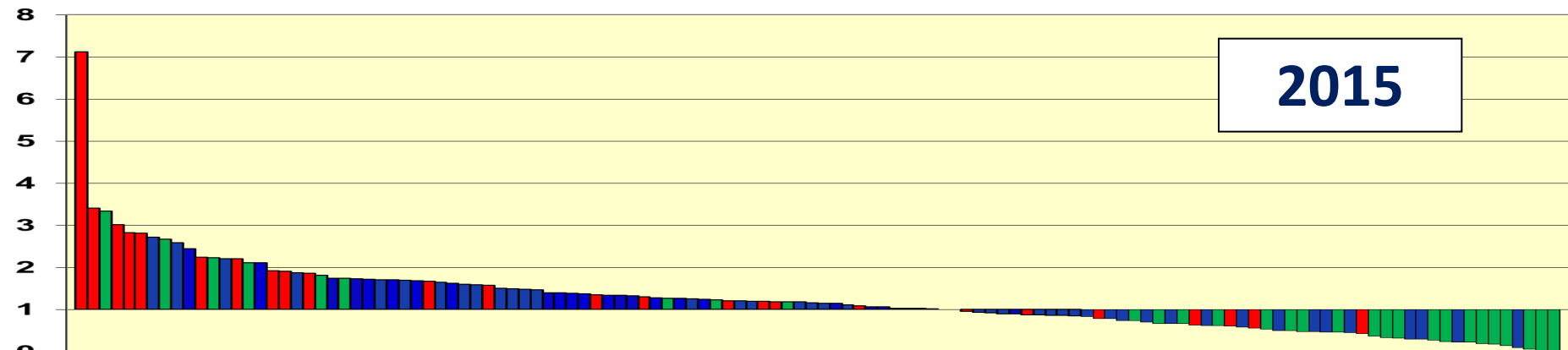
AAV: Standard accettabile >7.5‰, desiderabile >10‰

Tassi st. di identificazione agli esami successivi



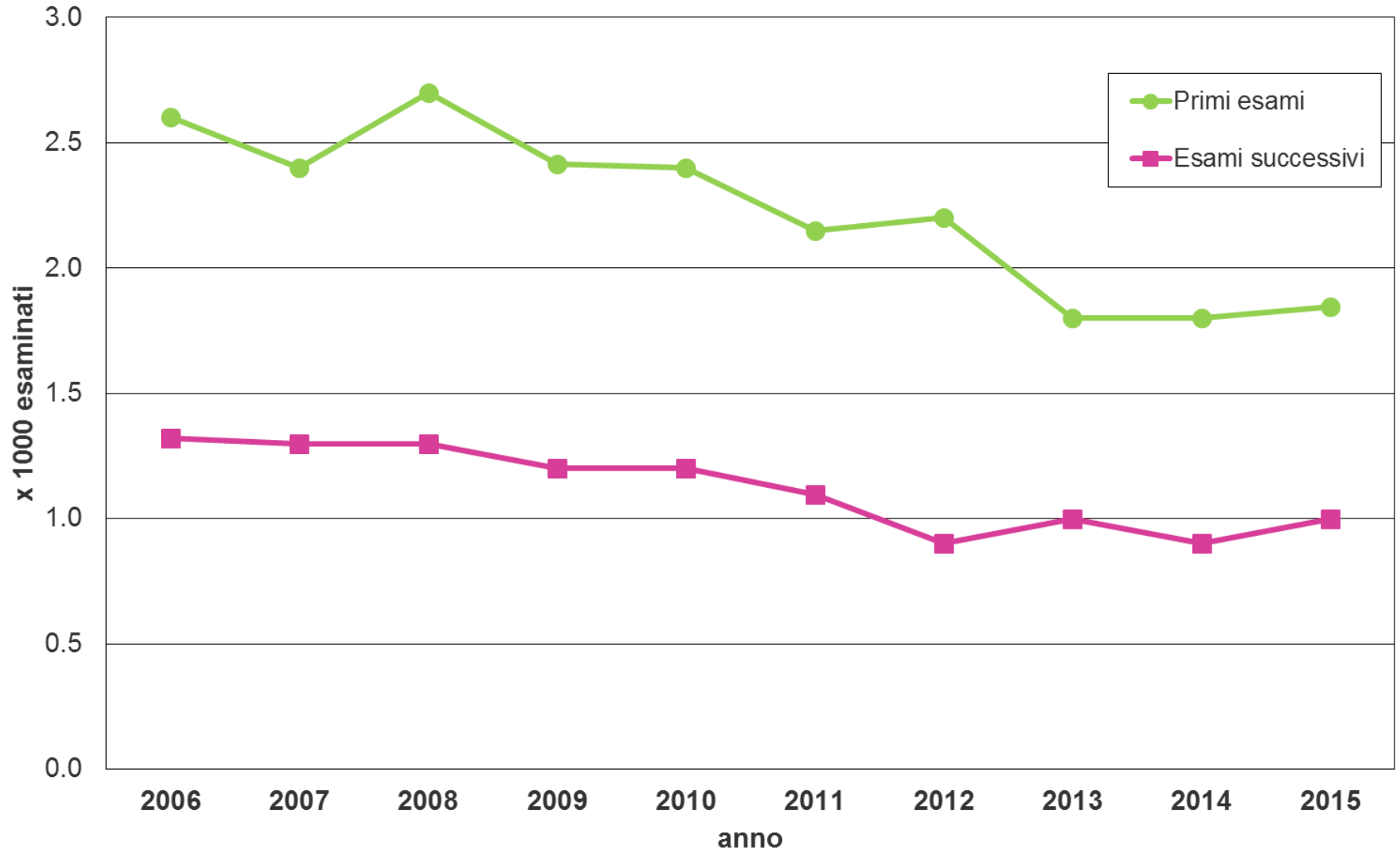
Carcinoma: Standard accettabile >1.0‰, desiderabile >1.5‰
AAV: Standard accettabile >5.0‰, desiderabile >7.5‰

Rapporto tra adenomi avanzati / iniziali, per macroarea (2013-2015)



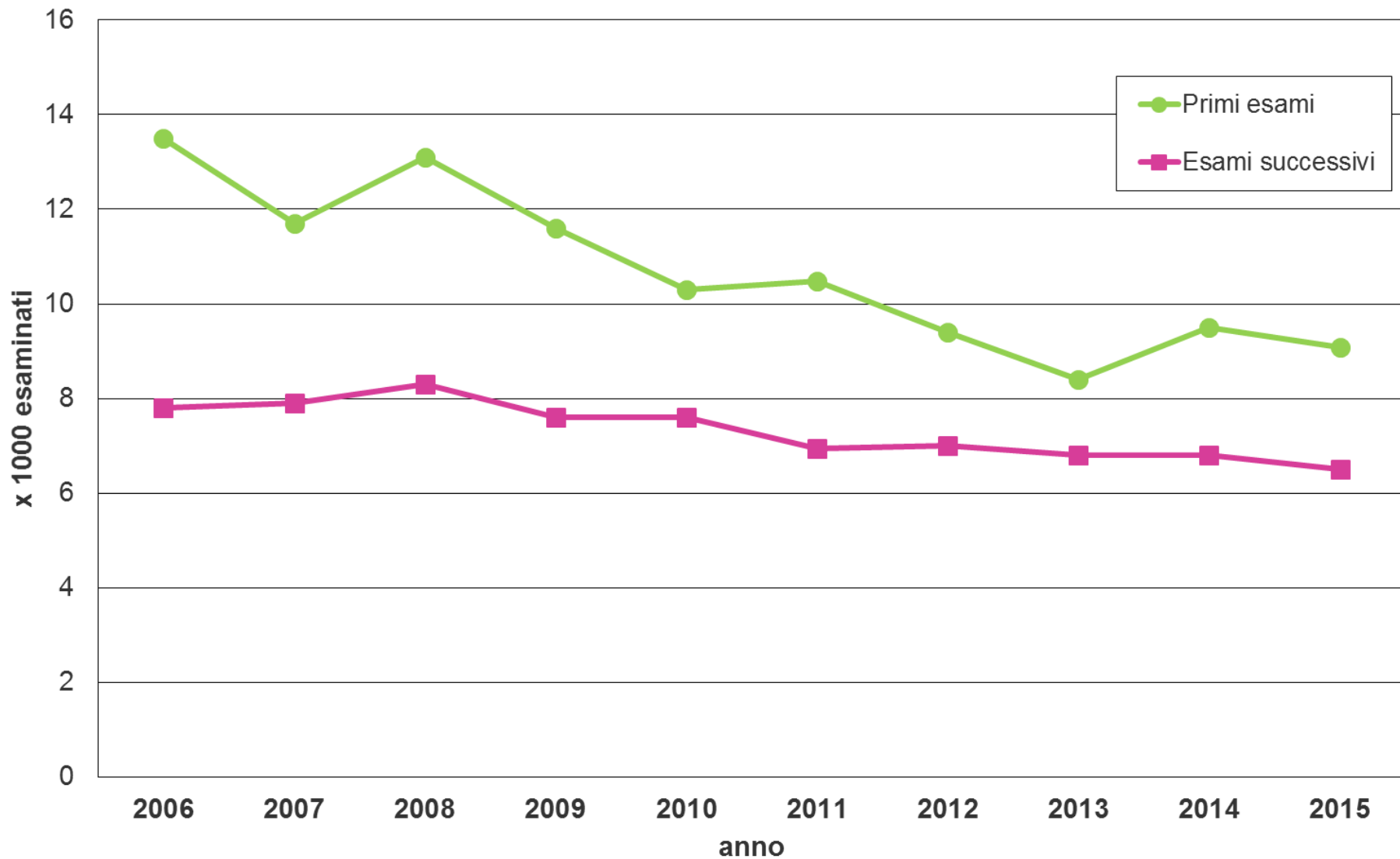
Tasso st. di identificazione di carcinoma

ITALIA, Trend 2006 - 2015

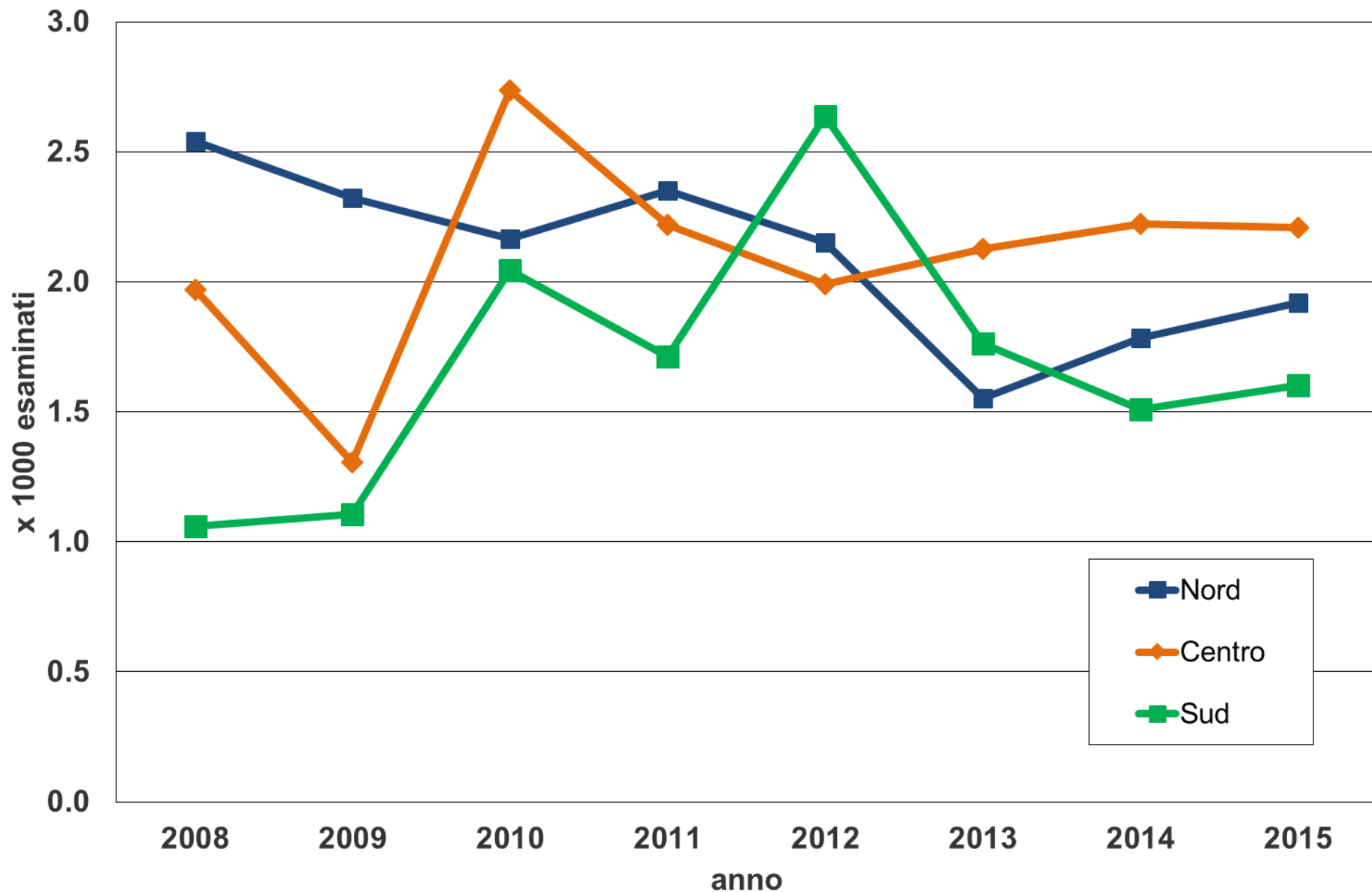


Tasso st. di identificazione di adenoma avanzato

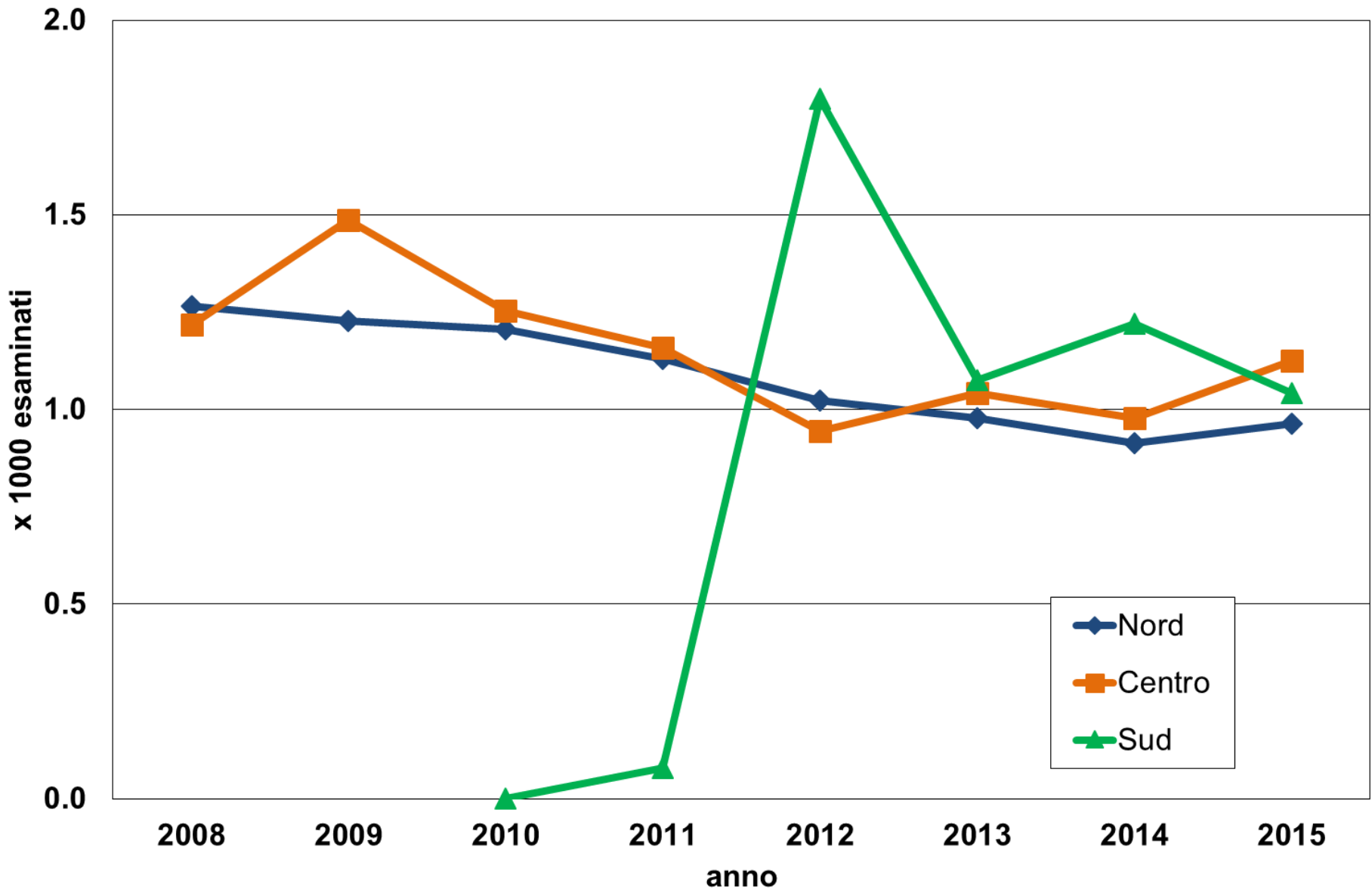
ITALIA, Trend 2006 - 2015



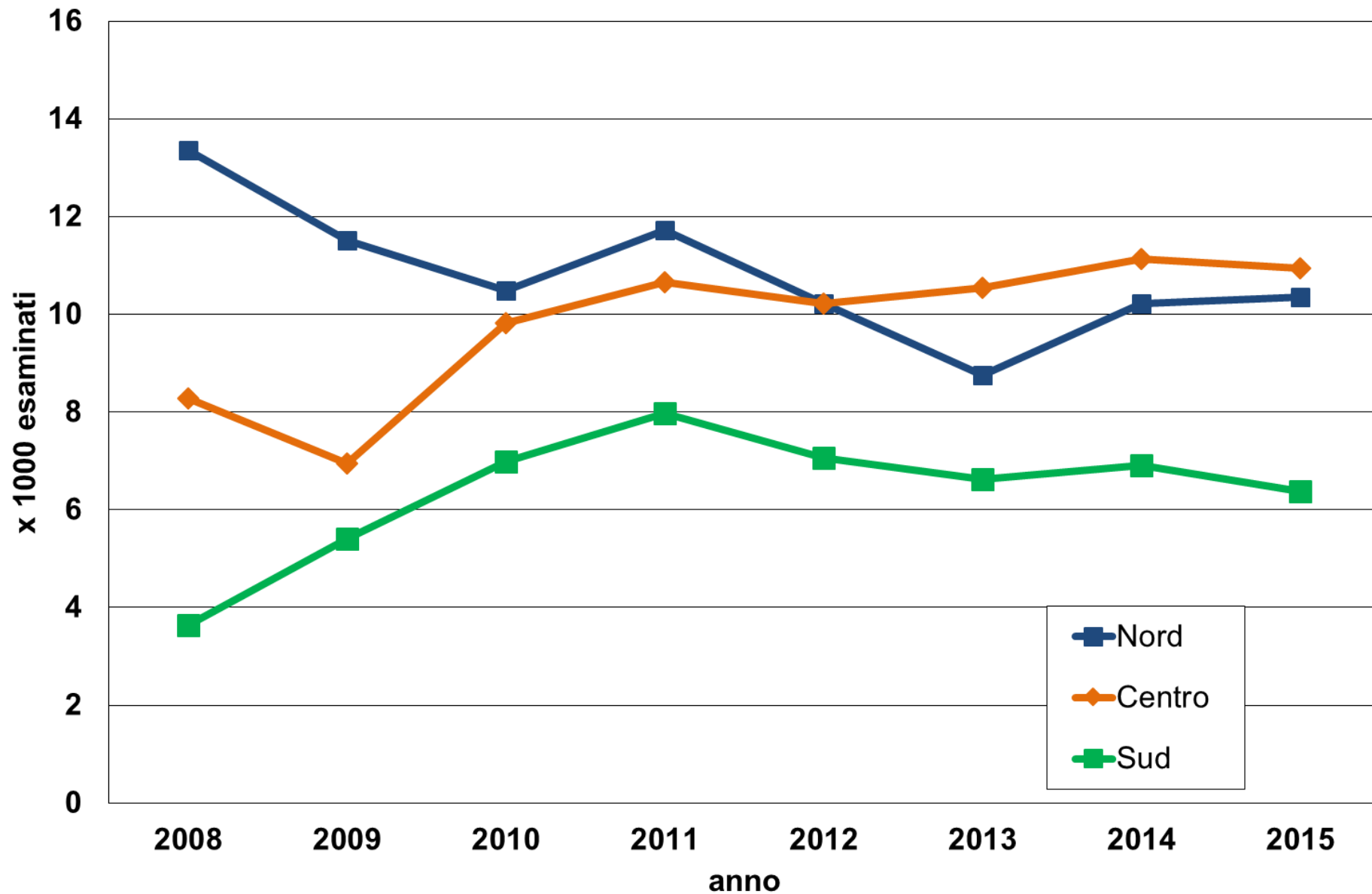
Tasso st. di identificazione di carcinoma per Macroarea primi esami, Trend 2008 – 2015



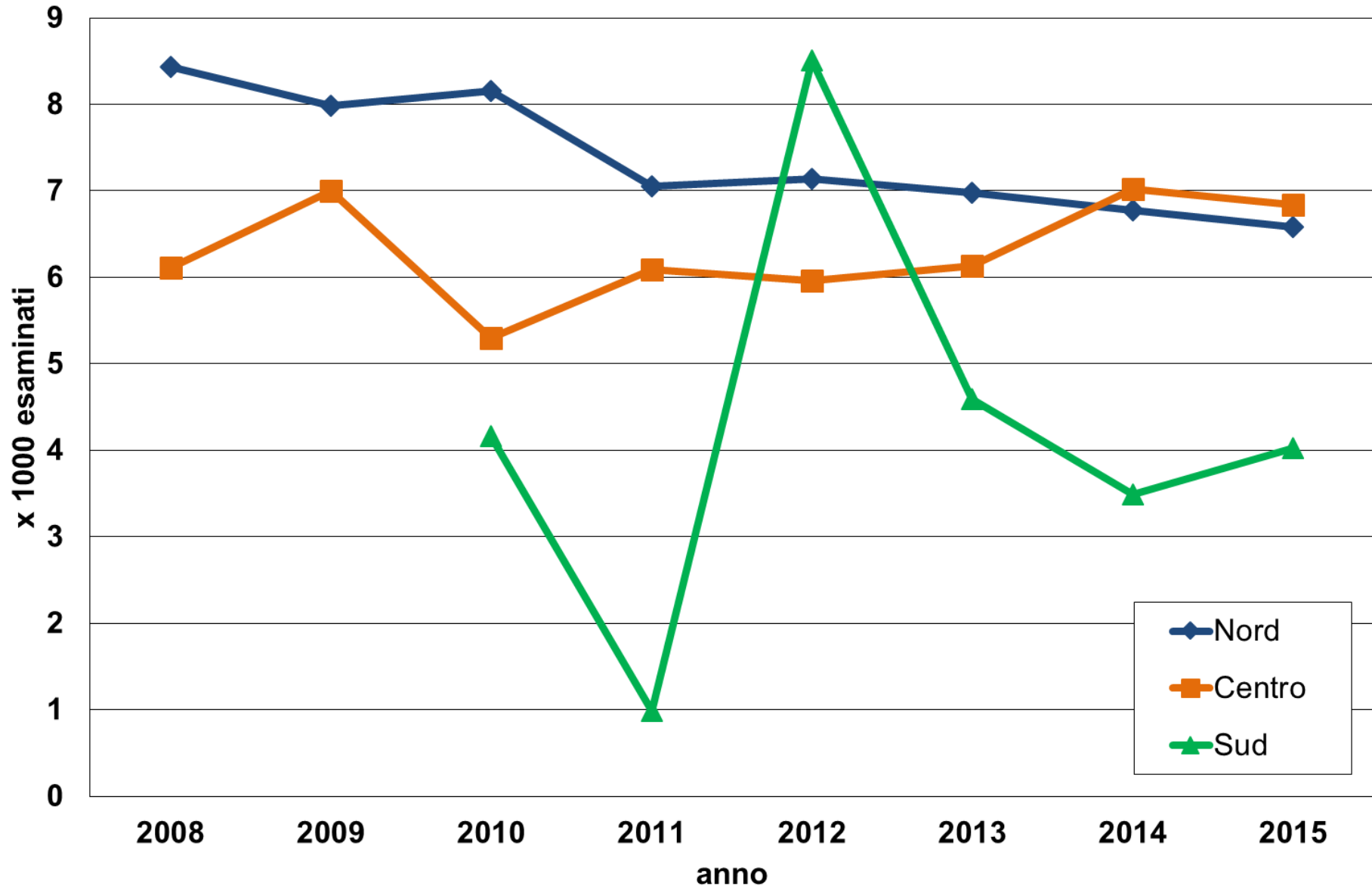
Tasso st. di identificazione di carcinoma per Macroarea esami successivi, Trend 2008 – 2015



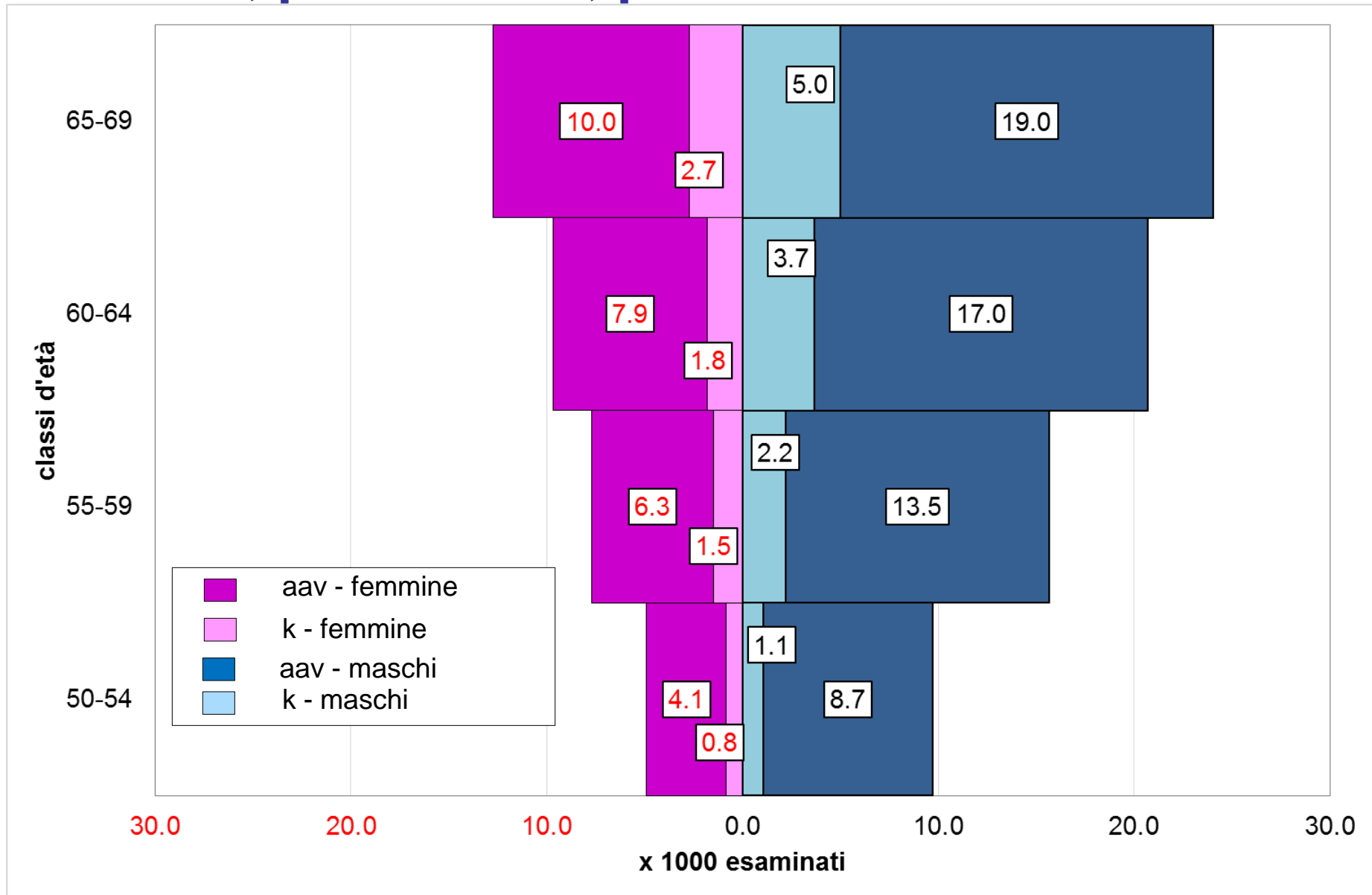
Tasso st. di identificazione di adenoma avanzato per Macroarea primi esami, Trend 2008 – 2015



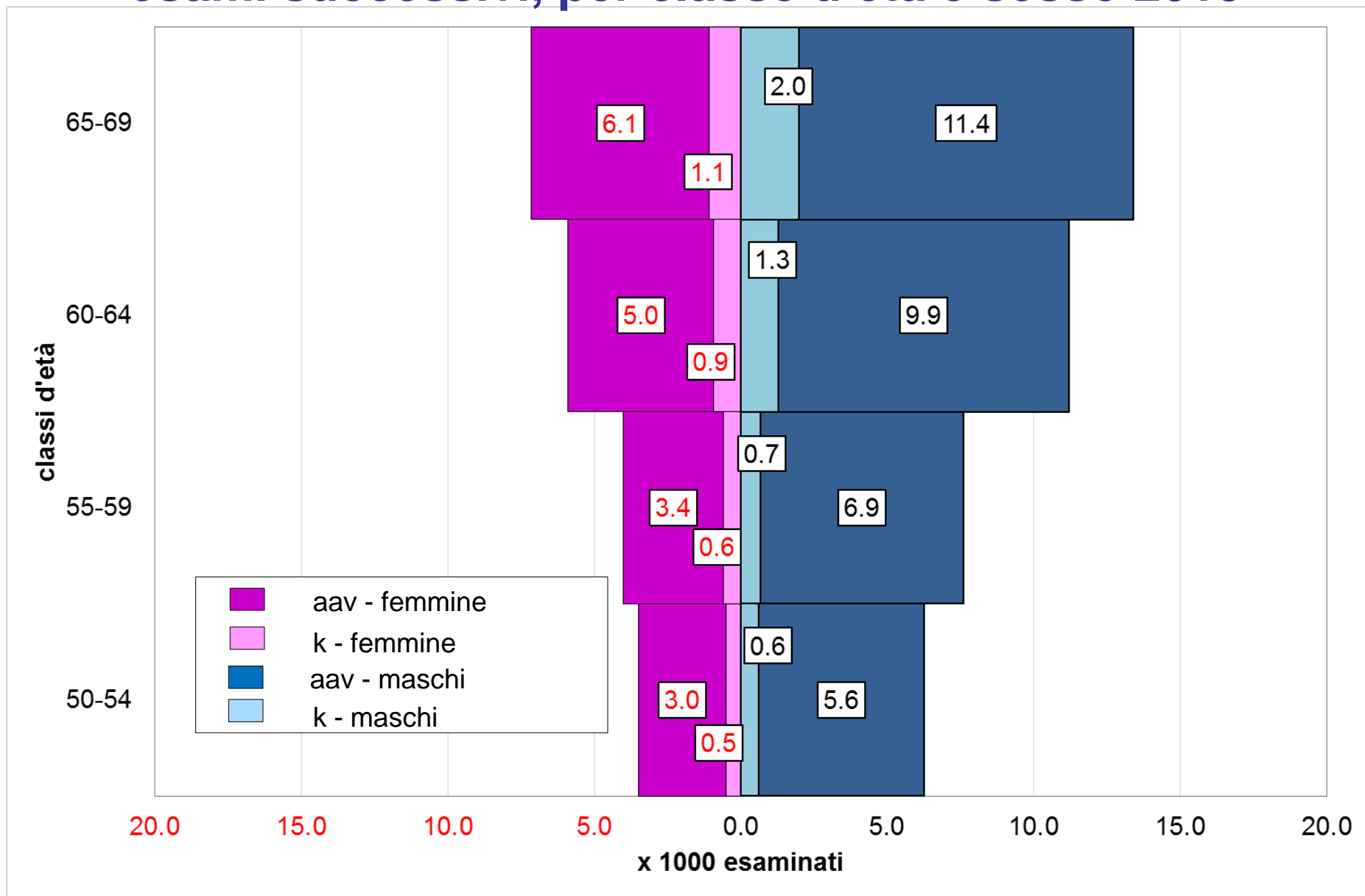
Tasso st. di identificazione di adenoma avanzato per Macroarea esami successivi, Trend 2008 – 2015



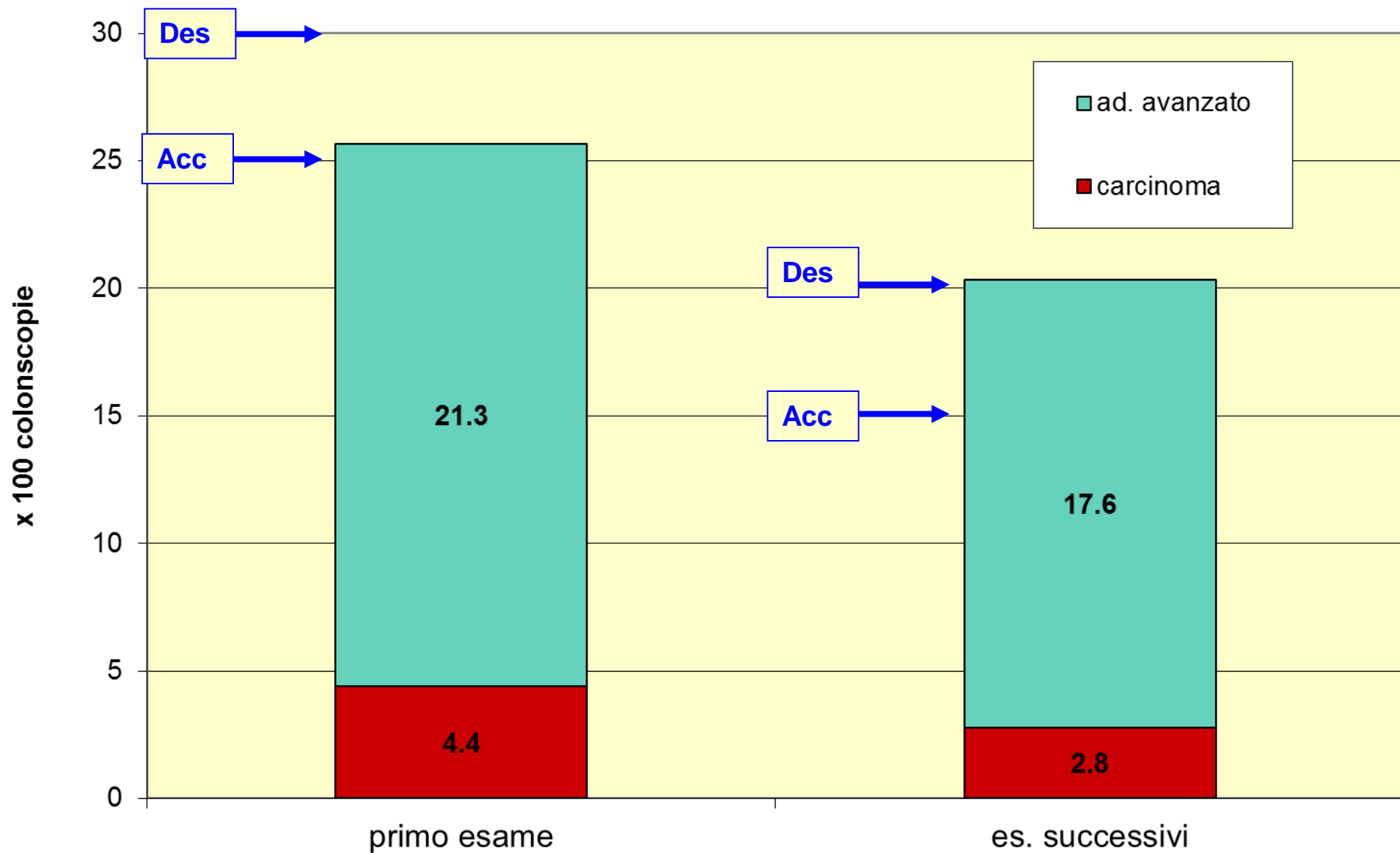
Tasso st. di identificazione di cancro e adenoma avanzato, primi esami, per classe d'età e sesso 2015



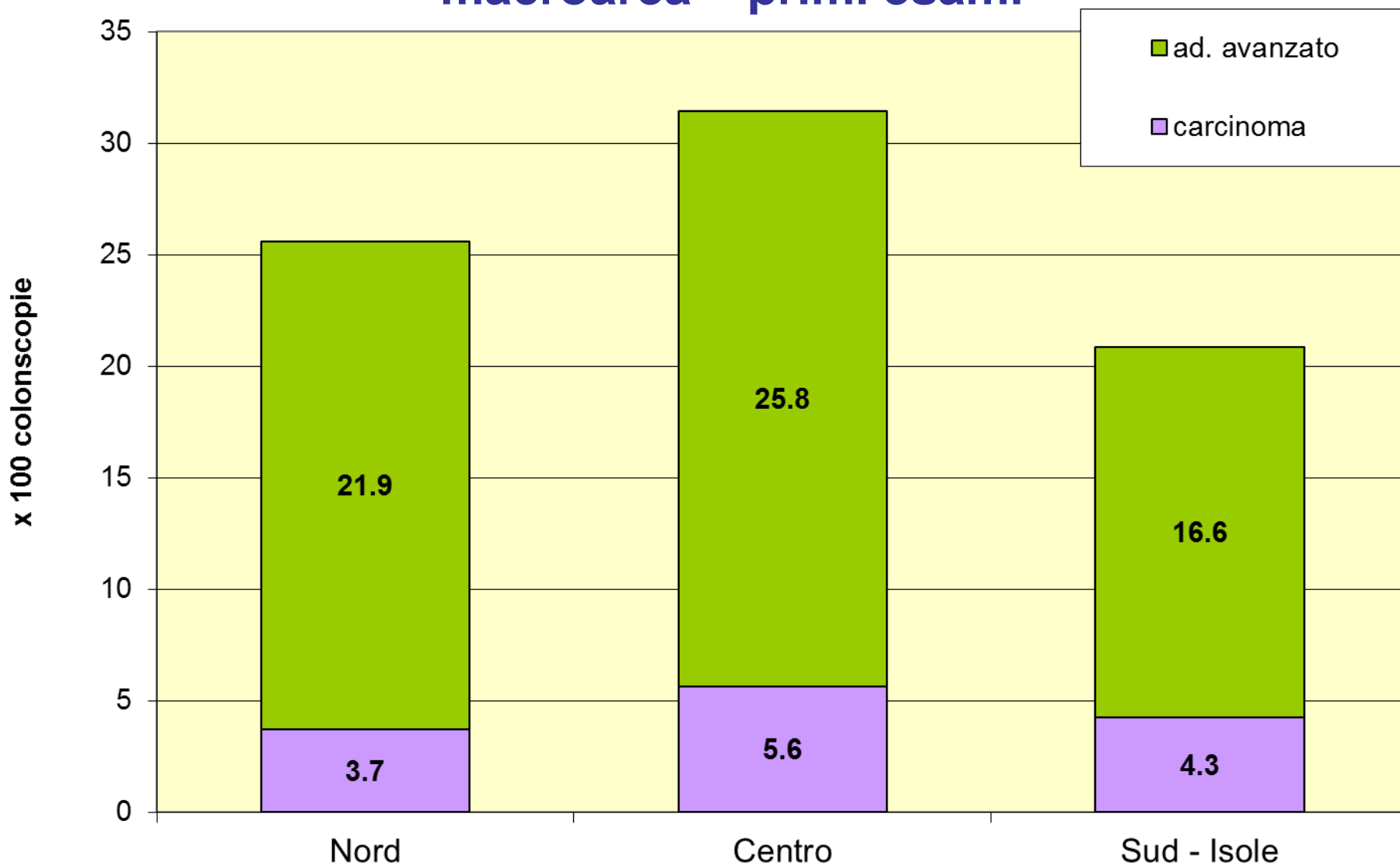
Tasso st. di identificazione di cancro e adenoma avanzato, esami successivi, per classe d'età e sesso 2015



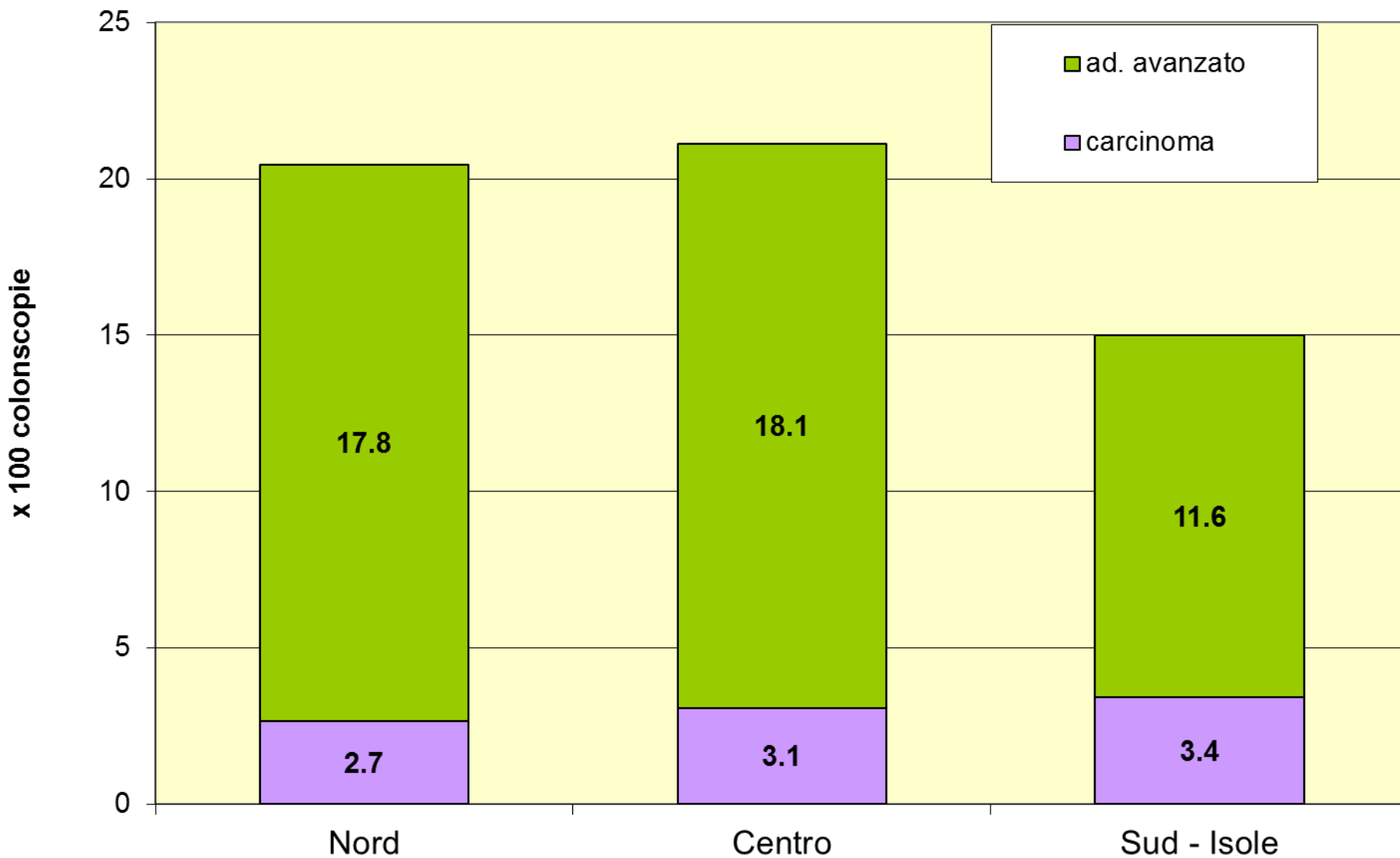
Valore Predittivo Positivo del SOF+ alla colonscopia



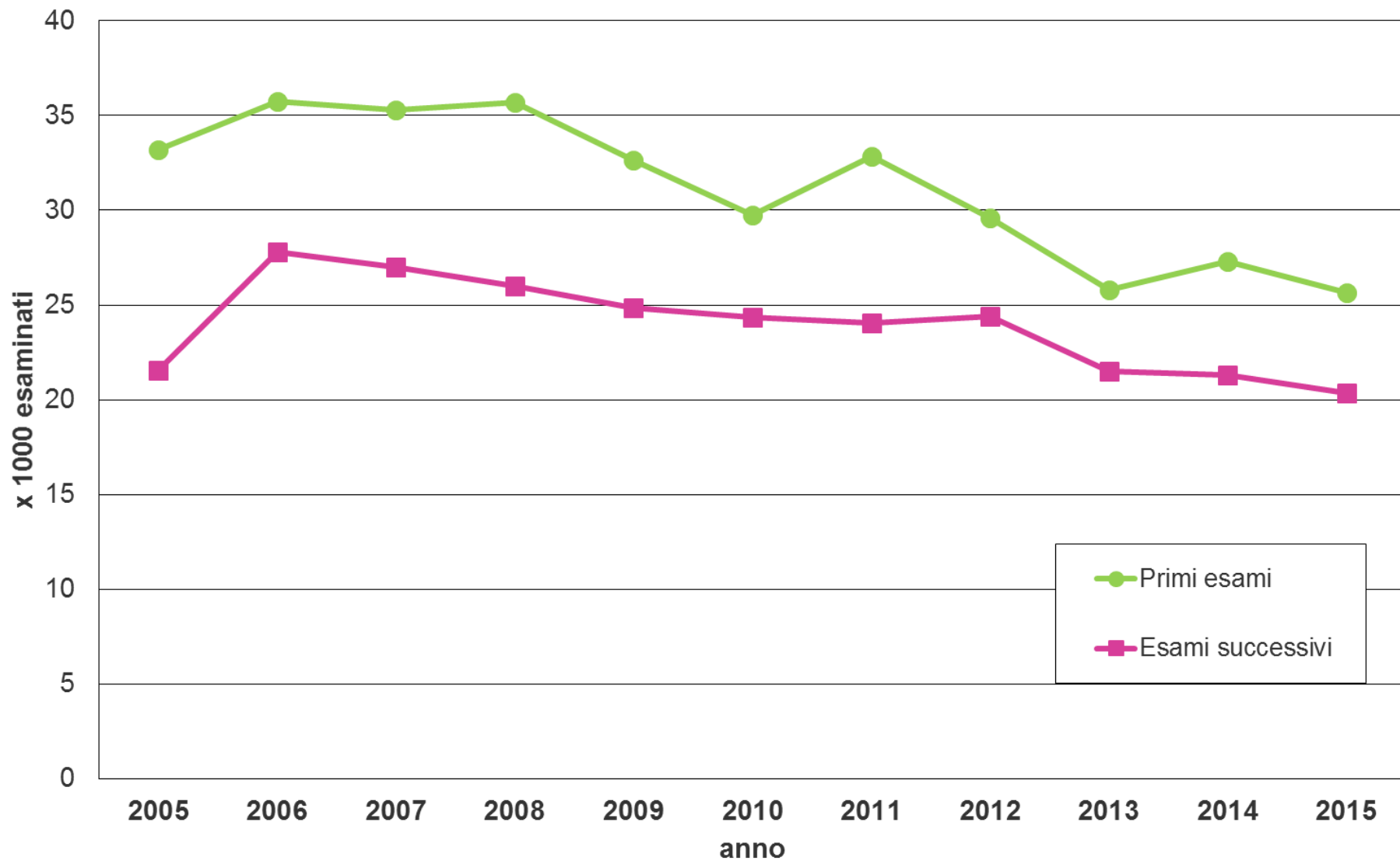
Valore Predittivo Positivo del SOF+ alla colonscopia per macroarea – primi esami



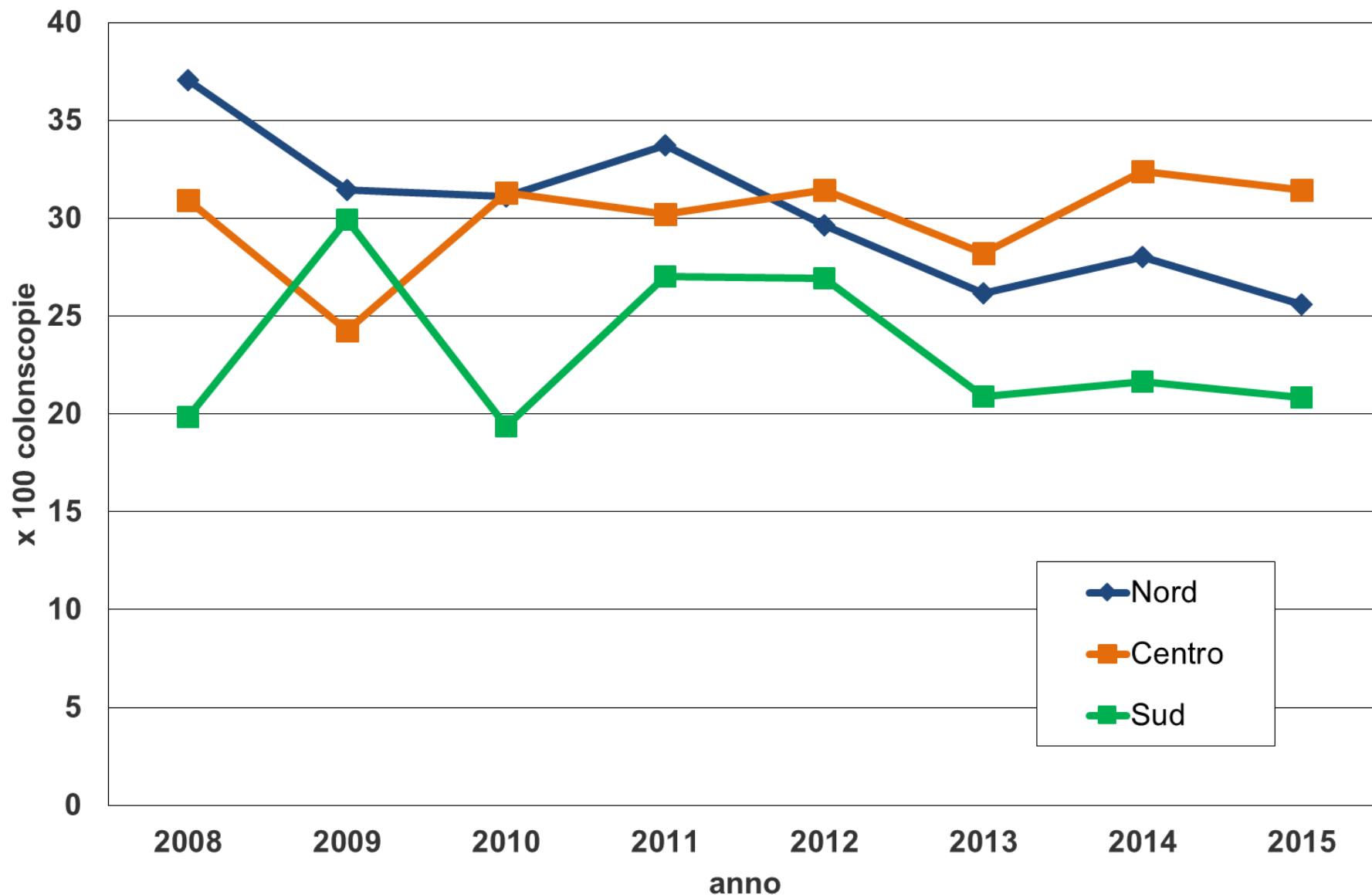
Valore Predittivo Positivo del SOF+ alla colonscopia per macroarea – esami successivi



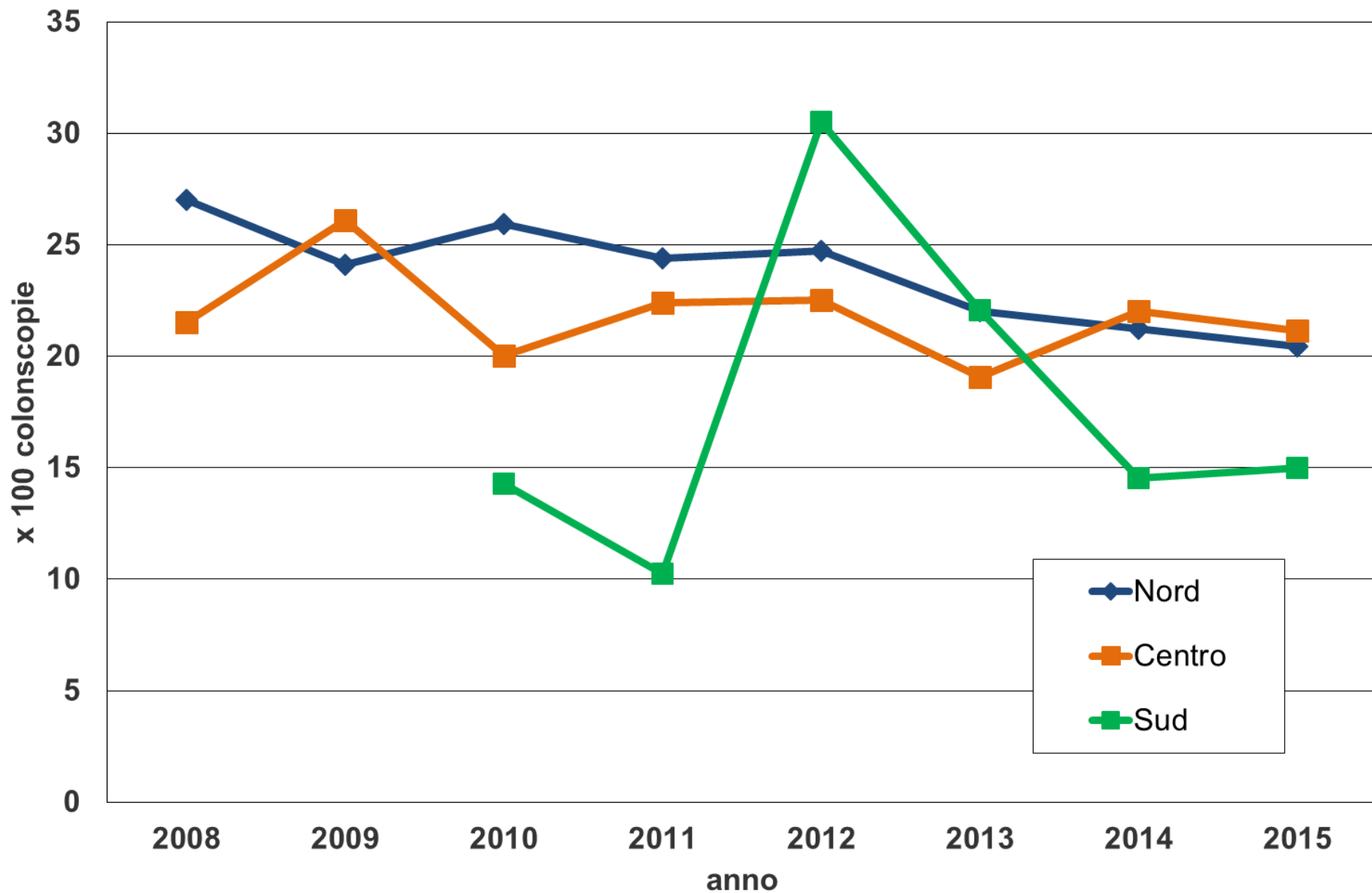
VPP del SOF+ per carcinoma e adenoma avanzato. ITALIA, Trend 2005 - 2015



VPP al SOF+ per carcinoma e adenoma avanzato per Macroarea primi esami, Trend 2008 – 2015



VPP al SOF+ per carcinoma e adenoma avanzato per Macroarea esami successivi, Trend 2008 – 2015



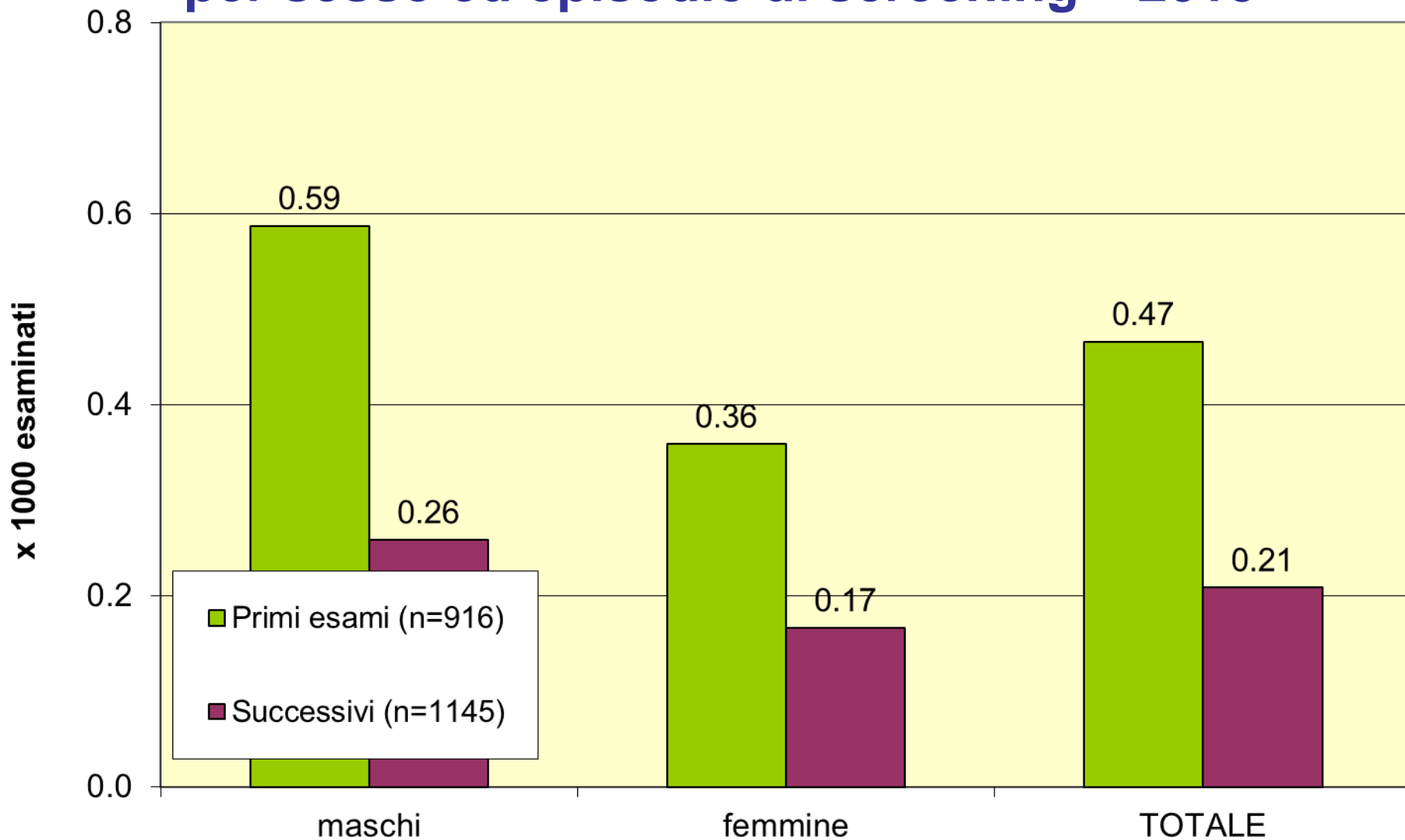
Distribuzione per stadio alla diagnosi

(solo casi con stadio noto = 70%)

Stadio	Programmi SOF	
	Primi esami (n=1010)	Es. successivi (n=1159)
I	32,2	40,2
I*	22,3	13,4
II	15,7	20,7
III-IV	29,8	25,6

* adenomi cancerizzati trattati con sola resezione endoscopica

Tassi identificazione di carcinomi in stadio 3 e 4 per sesso ed episodio di screening – 2015*



* programmi con stadio riportato per almeno l'80% dei casi

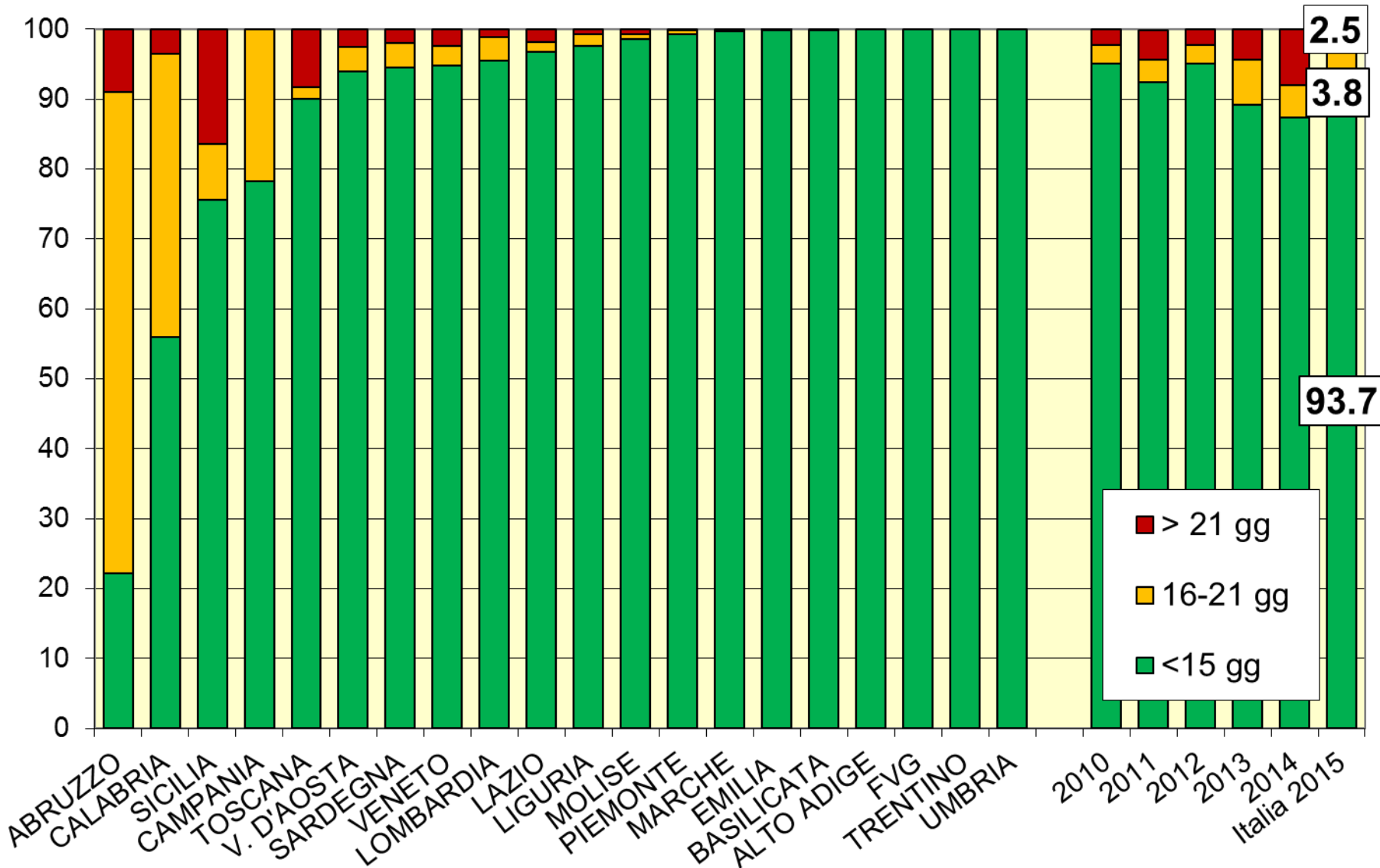
**Tassi identificazione di carcinoma
negli screenati a episodi successivi nel 2015
SIR vs. tassi incidenza AIRTum 2009-2011**

	SIR	95% CI
ITALIA	0.80	0.78-0.82
Nord	0.77	0.74-0.80
Centro	0.79	0.75-0.83
Sud-Isole	0.95	0.91-0.99

Quota di lesioni con trattamento esclusivamente endoscopico

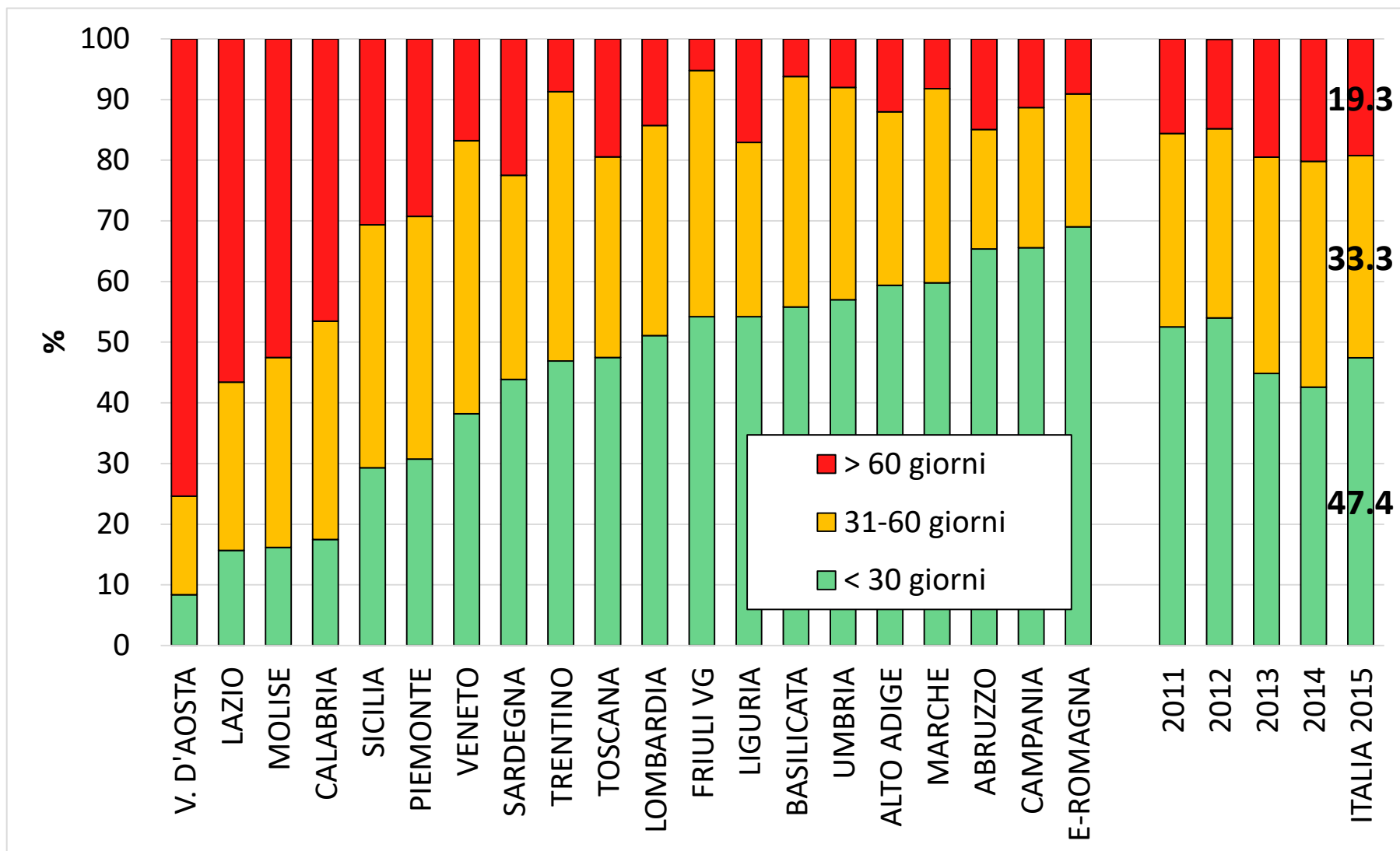
	Media 2015	10°-90° percentile
Tutti i carcinomi	14,3%	0 – 42,9%
Carcinomi pT1	12,8%	0 – 92,5%
Adenomi avanzati	90,5%	78,6 - 100%

Tempo per l'invio di risposta negativa



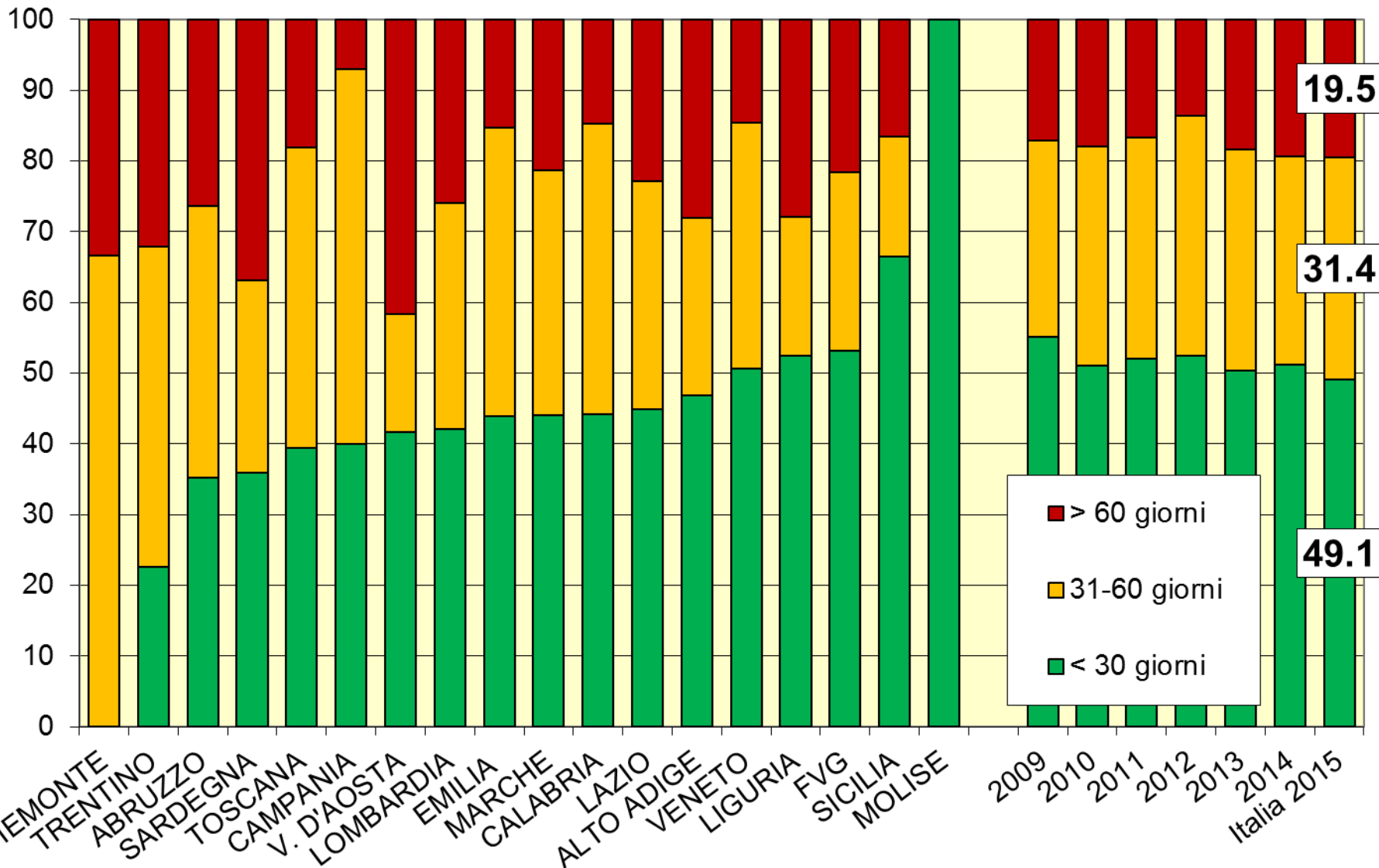
Standard accettabile >90% entro 21 gg, desiderabile >90% entro 15 gg

Tempo per l'esecuzione della colonscopia di approfondimento



Standard accettabile >90% entro 30 gg, desiderabile >95% entro 30 gg

Tempo per l'esecuzione dell'intervento chirurgico



Standard accettabile >90% entro 30 gg

Appropriateness of endoscopic surveillance recommendations in organised colorectal cancer screening programmes based on the faecal immunochemical test.

Zorzi M¹, Senore C², Turrin A³, Mantellini P⁴, Visioli CB⁴, Naldoni C⁵, Sassoli De' Bianchi P⁵, Fedato C³, Anghinoni E⁶, Zappa M⁴, Hassan C⁷; Italian colorectal cancer screening survey group.

Abstract

OBJECTIVES: To assess the appropriateness of recommendations for endoscopic surveillance in organised colorectal cancer (CRC) screening programmes based on the faecal immunochemical test (FIT).

DESIGN: 74 Italian CRC screening programmes provided aggregated data on the recommendations given after FIT-positive colonoscopies in 2011 and 2013. Index colonoscopies were divided into negative/no adenoma and low-, intermediate-risk and high-risk adenomas. Postcolonoscopy recommendations included a return to screening (FIT after 2 years or 5 years), an endoscopic surveillance after 6 months or after 1 year, 3 years or 5 years, surgery or other. We assessed the deviation from the postcolonoscopy recommendations of the European Guidelines in 2011 and 2013 and the correlation between overuse of endoscopic surveillance in 2011 and the process indicators associated with the endoscopic workload in 2013.

RESULTS: 49 704 postcolonoscopy recommendations were analysed. High-risk, intermediate-risk and low-risk adenomas, and no adenomas were reported in 5.9%, 19.3%, 15.3% and 51.5% of the cases, respectively. Endoscopic surveillance was inappropriately recommended in 67.4% and 7%, respectively, of cases with low-risk and no adenoma. Overall, 37% of all endoscopic surveillance recommendations were inappropriate (6696/17 860). Overuse of endoscopic surveillance was positively correlated with the extension of invitations (correlation coefficient (cc) 0.29; p value 0.03) and with compliance with post-FIT+ colonoscopy (cc 0.25; p value 0.05), while it was negatively correlated with total colonoscopy waiting times longer than 60 days (cc -0.26; p value 0.05).

CONCLUSIONS: In organised screening programmes, a high rate of inappropriate recommendations for patients with low risk or no adenomas occurs, affecting the demand for endoscopic surveillance by a third.

Conclusioni (dell'anno scorso...!)

- La survey è uno strumento fondamentale per monitorare il percorso di screening
- Per molti indicatori tuttavia sono presenti delle fragilità
- Il passaggio alla survey tramite DWH nazionale permetterà di superare alcuni limiti, ma non tutti
- Per aspetti specifici la survey rappresenta un sistema sentinella: per l'approfondimento vanno attivate linee di analisi dedicate a livello nazionale, da parte del GISCoR o a livello regionale (preferibilmente) o di singoli programmi

Long-term performance of colorectal cancer screening programmes based on the faecal immunochemical test.

Zorzi M¹, Hassan C², Capodaglio G³, Fedato C⁴, Montaguti A⁴, Turrin A⁴, Rosano A¹, Monetti D¹, Stocco C¹, Baracco S¹, Russo F⁴, Repici A⁵, Rugge M⁶.

⊕ Author information

Abstract

BACKGROUND: The long-term performance of colorectal cancer (CRC) screening programmes based on a 2-year faecal immunochemical test (FIT) is still unclear.

METHODS: In a sample of 50 to 69-year-olds repeatedly screened with the FIT (OC-Hemodia latex agglutination test; cut-off: 20 µg haemoglobin/g faeces), we examined: (1) the FIT positivity rate, the CRC and advanced adenoma detection rate and the FIT's positive predictive value (PPV) for advanced neoplasia, at each round of screening and (2) the cumulative CRC and advanced adenoma detection rate after five rounds of FIT.

RESULTS: Over 12 years (2002-2014), 123 347 individuals were administered the FIT up to six times, and 781 CRCs and 4713 advanced adenomas were diagnosed. The CRC and advanced adenoma detection rates declined substantially from the first to the third (rate ratio (RR) 0.25, 95% CI 0.20 to 0.32) and second (RR 0.51, 95% CI 0.47 to 0.56) rounds, respectively, and then remained stable. The PPV for advanced neoplasia dropped by 18% in the second round (RR 0.82, 95% CI 0.77 to 0.89), with no further reduction thereafter due to a concomitant decline in the FIT positivity rate (RR first to sixth rounds: 0.56, 95% CI 0.53 to 0.60). The cumulative CRC and advanced adenoma detection rates over five consecutive rounds were 8.5‰ (95% CI 7.8 to 9.2), and 58.9‰ (95% CI 56.9 to 61.0), respectively.

CONCLUSIONS: Repeated FIT significantly reduces the burden of colorectal disease while facilitating an efficient use of colonoscopy resources. The cumulative detection rate after five rounds of FIT is similar to primary screening with colonoscopy, supporting the need to account for the cumulative sensitivity of repeated FITs when evaluating the test's efficacy.

Grazie per l'attenzione

manuel.zorzi@regione.veneto.it