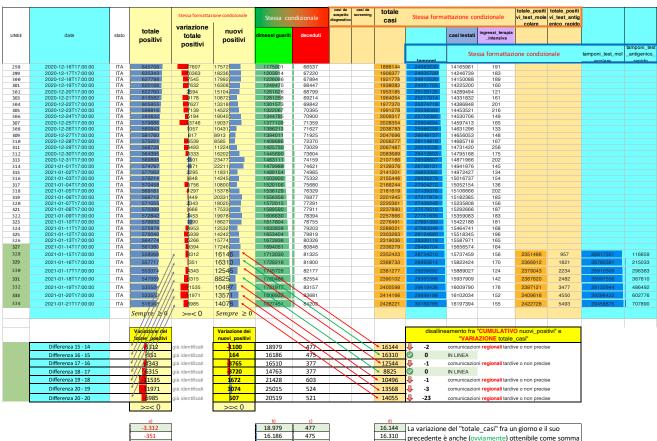
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			positivi	positivi	positivi							Ste	ssa formattaz	ione condizio	onale	tamponi_test_mol	tamponi_test _antigenico_
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206 207 208	2020-09-15T17:00:00 2020-09-16T17:00:00 2020-09-17T17:00:00	ITA ITA ITA	39712 40532 41413	525 820 881	1229 1452 1585	214645 215265 215954	35633 35645 35658	237475 238097 238845	52515 53345 54180	289990 291442 293025	9943944 10044551 10146324	6006675 6064792 6127243					
209 210 211	2020-09-18T17:00:00 2020-09-19T17:00:00 2020-09-20T17:00:00	ITA ITA ITA	42457 43161 44098	704 937	1907 1638 1587	216807 217716 218351	35668 35692 35707	239692 240377 241017	55240 56192 57139	294932 296569 298156	10246163 10349386 10432814	6187258 6248028 6302761					
212 213 214	2020-09-21T17:00:00 2020-09-22T17:00:00 2020-09-23T17:00:00	ITA ITA ITA	45079 45489 46114	981 410 625	1350 1392 1640	218703 219670 220665	35724 35738 35758	241638 242173 242958	57868 58724 59579	299506 300897 302537	10488676 10575979 10679675	6342654 6391999 6455762					
215 216	2020-09-24T17:00:00 2020-09-25T17:00:00 2020-09-26T17:00:00	ITA ITA	46780 47718 48593	666 938 875	1786 1912 1869	221762 222716	35781 35801	243680 244489 245365	60643 61746	304323 306235	10787694 10894963	6520661 6584670 6646695					
217 218 219	2020-09-27T17:00:00 2020-09-28T17:00:00	ITA ITA ITA	49618 50323	1025 705	1766 1494	223693 224417 225190	35818 35835 35851	246156 246842	62739 63714 64522	308104 309870 311364	11087064 11138173	6700432 6732777					
220 221 222	2020-09-29T17:00:00 2020-09-30T17:00:00 2020-10-01T17:00:00	ITA ITA ITA	50630 51263 52647	807 633 1384	1648 1851 2548	226506 227704 228844	35875 35894 35918	247628 248613 249940	65383 66248 67469	313011 314861 317409	11228358 11333922 11452158	6786395 6848755 6916588					
223 224 225	2020-10-02T17:00:00 2020-10-03T17:00:00 2020-10-04T17:00:00	ITA ITA ITA	53997 55566 57429	1569	2499 2844 2578	229970 231217 231914	35941 35968 35986	251377 252951 254348	68531 69800 70981	319908 322751 325329	11572459 11691391 11784105	6988317 7057949 7117315					
226 227 228	2020-10-05T17:00:00 2020-10-06T17:00:00 2020-10-07T17:00:00	ITA ITA ITA	58903 60134 62576	1474 1231	2257 2677 3678	232681 234099 235303	36002 36030 36061	255576 256986 258884	72010 73277 75056	327586 330263 333940	11844346 11944088 12069402	7153866 7216379 7296766					
229 230	2020-10-08T17:00:00 2020-10-09T17:00:00 2020-10-10T17:00:00	ITA ITA ITA	65952 70110 74829	3876	4458 5372 5724	236363 237549 238525	36083 36111 36140	261304 264137 267320	77094 79633 82174	338398 343770 349494	12197500 12326971 12460055	7365751 7443593 7523702					
231 232 233	2020-10-11T17:00:00 2020-10-12T17:00:00	ITA ITA	79075 82764	4246 3689	5456 4619	239709 240600	36166 36205	270510 272960	84440 86609	354950 359569	12564713 12650155	7592410 7652059					
234 235 236	2020-10-13T17:00:00 2020-10-14T17:00:00 2020-10-15T17:00:00	ITA ITA ITA	87193 92445 99266	5252 6821	7332 8804	242028 244065 245964	36246 36289 36372	276267 280479 285569	96033	365467 372799 381602	12762699 12914895 13077827	7722319 7809920 7908462					
237 238 239	2020-10-16T17:00:00 2020-10-17T17:00:00 2020-10-18T17:00:00	ITA ITA ITA	107312 116935 126237	9623 9302	10010 10925 11705	247872 249127 251461	36427 36474 36543	291410 297983 305260	100201 104553 108981	391611 402536 414241	13228204 13394041 13540582	8000864 8104190 8199744					
240 241 242	2020-10-19T17:00:00 2020-10-20T17:00:00 2020-10-21T17:00:00	ITA ITA ITA	134003 142739 155442	2766 8736 12703	9338 10874 15199	252959 255005 257374	36616 36705 36832	310881 315734 324455	112697 118715 125193	423578 434449 449648	13639444 13784181 13962029	8265568 8353248 8459736					
243 244 245	2020-10-22T17:00:00 2020-10-23T17:00:00 2020-10-24T17:00:00	ITA ITA	169302 186002 203182	18860 16700	16079 19143 19644	259456 261808 264117	36968 37059 37210	333450 344414 355768	132276 140455 148741	465726 484869 504509	14132421 14314453 14492122	8564608 8679107 8788780					
246 247	2020-10-25T17:00:00 2020-10-26T17:00:00	ITA ITA	222241 236684 255090	19059 14443	21273 17012	266203 268626	37338 37479	369359 378783 391879	156423 164006 172899	525782 542789	14654002 14778688 14953086	8890656 8969472 9075818					
248 249 250	2020-10-27T17:00:00 2020-10-28T17:00:00 2020-10-29T17:00:00	ITA ITA ITA	276457 299191	21367 22734	21994 24991 26831	271988 275404 279282	37700 37905 38122	406130 421834	183636 194761	564778 589766 616595	15152038 15353490	9197638 9316495					
251 252 253	2020-10-30T17:00:00 2020-10-31T17:00:00 2020-11-01T17:00:00	ITA ITA ITA	325786 351386 378129	25600 26743	31084 31758 29907	283567 289426 292380	38321 38618 38826	474270		647674 679430 709335	15568575 15784461 15967918	9446183 9578462 9695940					
254 255 256	2020-11-02T17:00:00 2020-11-03T17:00:00 2020-11-04T17:00:00	ITA ITA ITA	396512 418142 443235	21630 25093	22253 28244 30550	296017 302275 307378	39059 39412 39747	503468 520799	269578	731588 759829 790377	16103649 16285936 16497767	9783603 9893535 10021035					
257 258 259	2020-11-05T17:00:00 2020-11-06T17:00:00 2020-11-07T17:00:00	ITA ITA ITA	472348 499118 532536	26770	34505 37809 39811	312339 322925 328891	40192 40638 41063		283706 300671 318830	824879 862681 902490	16717651 16951896 17183569	10155585 10290151 10427797					
260 261	2020-11-08T17:00:00 2020-11-09T17:00:00 2020-11-10T17:00:00	ITA ITA	558636 573334 590110	26100 14698	32616 25271 35098	335074 345289 363023	41394 41750 42330	601403 614843	333701 345530 359261	935104 960373 995463	17374713 17522438 17740196	10547046 10635747 10765561					
262 263 264	2020-11-11T17:00:00 2020-11-12T17:00:00	ITA ITA	613358 635054	23248 21696	32961 37978	372113 387758	42953 43589	657205 674591	371219 391810	1028424 1066401	17965836 18200508	10891971 11025449					
265 266 267	2020-11-13T17:00:00 2020-11-14T17:00:00 2020-11-15T17:00:00	ITA ITA ITA	663926 688435 712490	24509 24055	40902 37255 33979	399238 411434 420810	44139 44683 45229	697312 718482 736846	441683	1107303 1144552 1178529	18455416 18683111 18878386	11170324 11305441 11416172					
268 269 270	2020-11-16T17:00:00 2020-11-17T17:00:00 2020-11-18T17:00:00	ITA ITA ITA	717784 733810 743168	16026	27354 32191 34282	442364 457798 481967	45733 46464 47217	751766 770282 784687	454115 467790 487665	1205881 1238072 1272352	19031049 19239507 19474341	11505254 11620187 11744424					
271 272 273	2020-11-19T17:00:00 2020-11-20T17:00:00 2020-11-21T17:00:00	ITA ITA ITA	761671 777176 791746	15505	36176 37242 34767	498987 520022 539524	47870 48569 49261	802852 825417 844177	505676 520350 536354	1308528 1345767 1380531	19724527 19962604 20199829	11882821 11999674 12120989					
274 275 276	2020-11-22T17:00:00 2020-11-23T17:00:00 2020-11-24T17:00:00	ITA ITA ITA	805947 796849 798386	1 <mark>420</mark> 1	28337 22930 23232	\$53098 \$84493 605330	49823 50453 51306	85 8957	549911 561334 572784	1408868 1431795 1455022	20388576 20537521 20726180	12225850 12303705 12398952					
277 278	2020-11-25T17:00:00 2020-11-26T17:00:00	ITA ITA	791697 795845	6689	25853 29003	637149 661180	52028 52850	896155 914390	584719 595485	1480874 1509875	20726180 20956187 21188898	12513129 12623390					
279 280 281	2020-11-27T17:00:00 2020-11-28T17:00:00 2020-11-29T17:00:00	ITA ITA ITA	787893 789308 795771	1415 6463	28352 26323 20648	696647 720861 734503	53677 54363 54904	928191 942048 958832	610026 622484 626346	1538217 1564532 1585178	21411701 21637641 21814575	12729411 12842250 12922382					
282 283 284	2020-11-30T17:00:00 2020-12-01T17:00:00 2020-12-02T17:00:00	ITA ITA ITA	788471 779945 761230	8526	16377 19350 20709	757507 784595 828335	55576 56361 57045	966577 971784 988470	634977 649117 653140	1601554 1620901 1641610	21945099 22127199 22334342	12986634 13071746 13167345					
285 286 287	2020-12-03T17:00:00 2020-12-04T17:00:00 2020-12-05T17:00:00	ITA ITA ITA	759982 757702 754169	-1248 -2280	23225 24099 21052	846809 872385 896308	58038 58852 59514	0	0	1664829 1688939 1709991	22554389 22767130 22962114	13264937 13348428 14243149	217 201 192				
288 289 290	2020-12-05T17:00:00 2020-12-06T17:00:00 2020-12-07T17:00:00 2020-12-08T17:00:00	ITA ITA ITA	755306 748819 737525	1137 5487 1294	18887 13720	913494 933132 958629	60078 60606 61240			1728878 1742557 1757394	23125664	13510154 13563263 13622814	150 144 192				
291 292	2020-12-09T17:00:00 2020-12-10T17:00:00	ITA ITA	710515 696527	- 7010 - 3988	12756 16999	997895 1027994	61739 62626			1770149 1787147	23504588 23676174	13673746 13744859	152 251				
293 294 295	2020-12-11T17:00:00 2020-12-12T17:00:00 2020-12-13T17:00:00	ITA ITA	690323 684848 686031	\$204 \$475 1183	18727 19903 17938	1052163 1076891 1093161	63387 64036 64520			1805873 1825775 1843712	24063029 24215726	13823013 13901576 13971600	208 195 152				
296 297	2020-12-14T17:00:00 2020-12-15T17:00:00	ITA ITA	675109 663313	0922 1796	12030	1115617 1141406	65011 65857			1855737 1870576	24319310 24483741	14022752 14086989	138 199				



b)	c)
18.979	477
16.186	475
16.510	377
14.763	377
21.428	603
25.015	524
20.519	521

di.144 La variazione del "totale_casi" fra un giorno e il suo
16.310 precedente è anche (ovviamente) ottenibile come s
12.544 delle differenze del "totale_positivi", dei
10.496 "Dimessi/Guariti" e dei "Deceduti", precedente è anche (ovviamente) ottenibile come somma $d = \sum (a,b,c)$

Il myICD (Dinamico) restituisce l'informazione più importante che è quella che ci permette di capire di come

si stia evolvendo la CONTAGIOSITA' e quindi è un Vero <u>termometro</u> pandemico e può chiamarsi INDICE. Negli ultimi tre giorni la CONTAGIOSITA' è in aumento!

	CUM.T.P. (g-1)
	CUMULATIVO totale_positivi (g- 1)
(g-1)	561.380
(g-1)	558.068
(g-1)	557.717
(g-1)	553.374
(g-1)	547.059
(g-1)	535.524
(g-1)	523.553

	INDICE D	I CONTAG	ilOS	ITA' C	DIN	IAMIC	O (Variazior	e Nuovi Positivi (g,g-1)/Totale Positivi(g-1)
	CUM.T.P. (g-1)		VAR.N	N.P.(g,g-1)				
	CUMULATIVO totale_positivi (g- 1)			zione dei i_positivi (g)	VAR.	N. P(g.g - 1) M.T. P(g - 1)	CONTAGIOSITA' IN	La DINAMICITA 'dell' INDICE , legata alla variazione dei NUOVI positivi fra due giorni
)	561.380	(g)		-1.100		-0,196%	diminuzione	consecutivi rapportata al
)	558.068	(g)		164	O	0,029%	aumento	***
)	557.717	(g)		-3.765		-0,675%	diminuzione	cumulativo del totale_positivi
)	553.374	(g)		-3.720	0	-0,672%	diminuzione	del giorno precedente ,
)	547.059	(g)		1.672	9	0,306%	aumento	consente di seguire
)	535.524	(g)		3.074	9	0,574%	aumento	l'evoluzione pandemica della
)	523.553	(g)		507		0,097%	aumento	CONTAGIOSITA'!

II myGPS (Statico)

ci dice solo in che relazione di proporzionalià stia l'icremento giornaliero del otale_positivi col cumulativo a quel giorno. In questi ultimi giorni la

POSITIVITA' è in recessione!

GRADIEN	TE DI POSITI	VITA'	STATICO	(Variazione	Totale Positivi (g)/Totale Positivi(g)*100.00
CUM.T.P. (g)	V	AR.T.P.(g)			<u>,</u>
CUMULATIVO totale_positivi (g- 1)		iazione del le_positivi	WAR.T.P(g) CUM.T.P(g)	POSITIVITA' IN	La STATICITA'del RAPPORTO, battezzato GRADIENTE, fra totale_positivi e Cumulativo
558.068		-3.312	-593	diminuzione	totale_positivi dello stesso
557.717		-351	-63	diminuzione	giorno consente di seguire solo
553.374		-4.343	-785	diminuzione	la relazione giornaliera della
547.059		-6.315	-1.154	diminuzione	POSITIVITA durante
535.524		-11.535	2.154	diminuzione	l'evoluzione pandemica.
523.553		-11.971	-2.286	diminuzione	
516.568		-6.985	-1.352	diminuzione	

RAPPORTO DI PROPORZIONALITA' STATICO (Nuovi Casi/Tamponi effettuati*100.000)

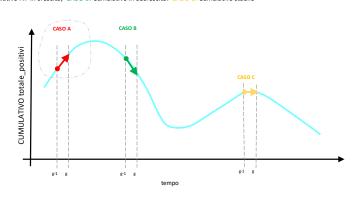
Questo rapporto giornaliero **STATICO**, ci dice solo in che relazione percentuale Ssi trovano i "NUOVI

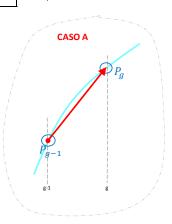
casi" identificati a fronte di un certo numero di "Tamponi effettuati". NULLA DI PIU'! Ropporto STATICO utilizzato <u>impropriamente</u> dagli organi ufficiali di comunicazione televisiva e da molte testate giornalistiche per dare il polsc della situazione dei contagi in Italia e chiamato erroneamemnte Indice di Contagiosità o di ositività.

Simile al myGPS, ma in %le, restituisce quotazion giornaliere dei rapporti descritti (come la bosa monetaria che sale e scende ma non è

T.T.(g)	T.C. (g)		
totale tamponi (g)	totale_casi (g)	RPS $\frac{T.C.P(g)}{T.T.(g)}$	PROPORZIONALITA IN
273.506	16.144	5,903%	
261.404	16.310	6,239%	
211.078	12.544	5,943%	<u> </u>
158.674	8.825	5,562%	.
254.070	10.496	4,131%	1
279.762	13.568	4,850%	1
267.567	14.055	5,253%	↑

Di seguito una rappresentazione grafica dei tre possibili casi di andamento del"totale_positivi" CASO A: Cumulativo T.P in crescita; CASO B: Cumulativo in decrescita: CASO C: Cumulativo stabile





 P_g

Data: 22/01/21. 18:55

				Stessa formattaz	ione condizionale	Stessa condizionale		casi da sospetto diagnostico	casi da screening	totale casi	Stessa forma	ittazione co		vi_test_mole	totale_positi vi_test_antig enico_rapido		
LINEE	date	stato	totale positivi	totale positivi	nuovi positivi	dimessi guariti	deceduti					casi testati	ingressi_terapia _intensiva				
				positivi							tamponi	Ste	ssa formattazi	one condizio	onale	tamponi_test_mol	tamponi_test _antigenico_ rapido

Esaminiamo il CASO A, ma il ragionamento è simile per gli altri casi:

Per ognuno dei due punti si avranno due tipi di dati:

 $P_{g-1} = f(variazione totale_positivi; variazione nuovi_positivi)$

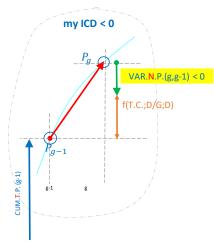
 P_g . = f(variazione totale_positivi; variazione nuovi_positivi)

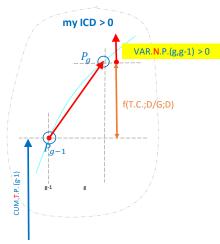
a) La variazione del totale_positivi = CUMULATIVO totale_positivi(g) - CUMULATIVO totale_positivi(g-1)

b) La variazione dei **nuovi**_positivi = f(totale_**nuovi**_casi; Dimessi/Guariti; Deceduti)

CONTAGIOSITA' IN DIMINUZIONE

CONTAGIOSITA' IN AUMENTO

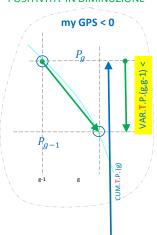




POSITIVITA' IN AUMENTO

my GPS > 0

POSITIVITA' IN DIMINUZIONE



QUESTE QUATTRO CONDIZIONI SI POSSONO COMBINARE FRA DI LORO PER CUI SI PUO' AVERE:

POSITIVITA' IN AUMENTO CONTAGIOSITA' IN AUMENTO 1)

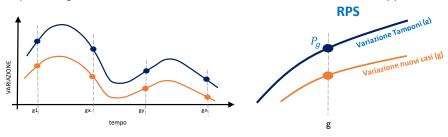
2) POSITIVITA' IN AUMENTO **CONTAGIOSITA' IN DIMINUZIONE**

POSITIVITA' IN DIMINUZIONE **CONTAGIOSITA' IN AUMENTO** 3)

POSITIVITA' IN DIMINUZIONE **CONTAGIOSITA' IN DIMINUZIONE**

Il Discrimenate è il numero del TOTALE CASI, dei TOTALE DIMESSI/GUARITI e del TOTALE DECEDUTI

Per quanto riguarda il RPS fra NUOVI CASI e TAMPONI EFFETTUATI la rappresentazione grafica è la seguente:



TERMOMETRO **PANDEMICO UFFICIALE** NON **SIGNIGICATIVO**