

# Gruppo CovidStat-INFN

L. Lista,<sup>1</sup> D. Menasce,<sup>2</sup> D. Pedrini,<sup>2\*</sup> M. Mezzetto,<sup>3</sup> R. Spighi<sup>4</sup>

<sup>1</sup>Universita' di Napoli Federico II, Dipartimento di Fisica e INFN,

<sup>2</sup>INFN Milano-Bicocca,

<sup>3</sup>INFN Padova

<sup>4</sup>INFN Bologna

\*Referente per le comunicazioni; E-mail: daniele.pedrini@mib.infn.it.

## Rapporto del Gruppo CovidStat-INFN

Data di creazione del documento: 31/3/2023 22:4:31

## Introduzione

Questo documento raccoglie in modo completo i risultati dell'analisi dei dati forniti quotidianamente dalla Protezione Civile sull'andamento della pandemia di covid-19.

Si tratta di un progetto realizzato dal Gruppo di Lavoro CovidStat INFN, la cui costituzione e' stata promossa in seno all'Istituto Nazionale di Fisica Nucleare con l'obiettivo di mettere a disposizione dell'Unita' di Crisi Covid19 interna all'INFN una analisi statistica dei dati forniti quotidianamente dalla Protezione Civile sulla diffusione della pandemia in Italia. Tuttavia, si e' ritenuto che gli strumenti sviluppati per questa analisi statistica possano essere di utilita' anche per altre comunita' scientifiche e, piu' in generale, possano essere di interesse pubblico.

Questo sommario consiste, per ora, essenzialmente di figure, la cui metodologia di lettura descritta nel documento accessibile dal sito <http://covid19.infn.it> tramite il menu **Tutorial** →

**Approfondimenti.pdf.**

## **Criteri di scelta dei plot**

La scelta di pubblicare un sommario implica un criterio di selezione che, nel in questo caso consiste in TUTTI i plot disponibili sul sito.

Questo documento verra' aggiornato quotidianamente, assieme al sito, e fornito in seguito anche di schede su come leggere e interpretare in modo corretto i grafici qui contenuti.



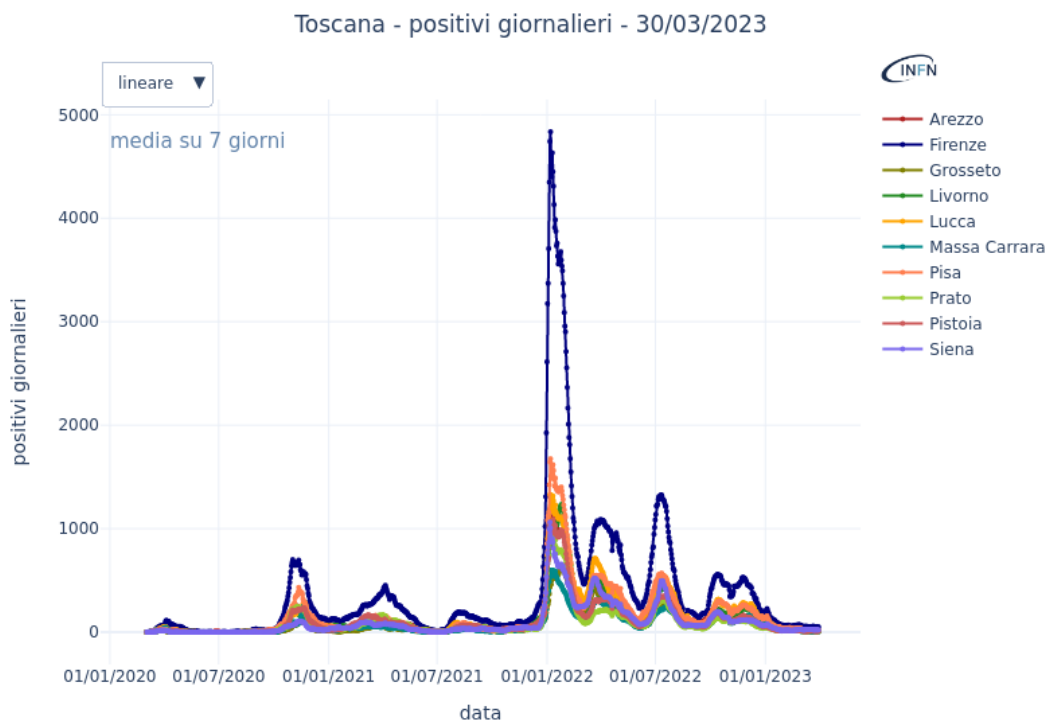


Fig. 1

Molise - tempo di raddoppio totale ospedalizzati - 30/03/2023

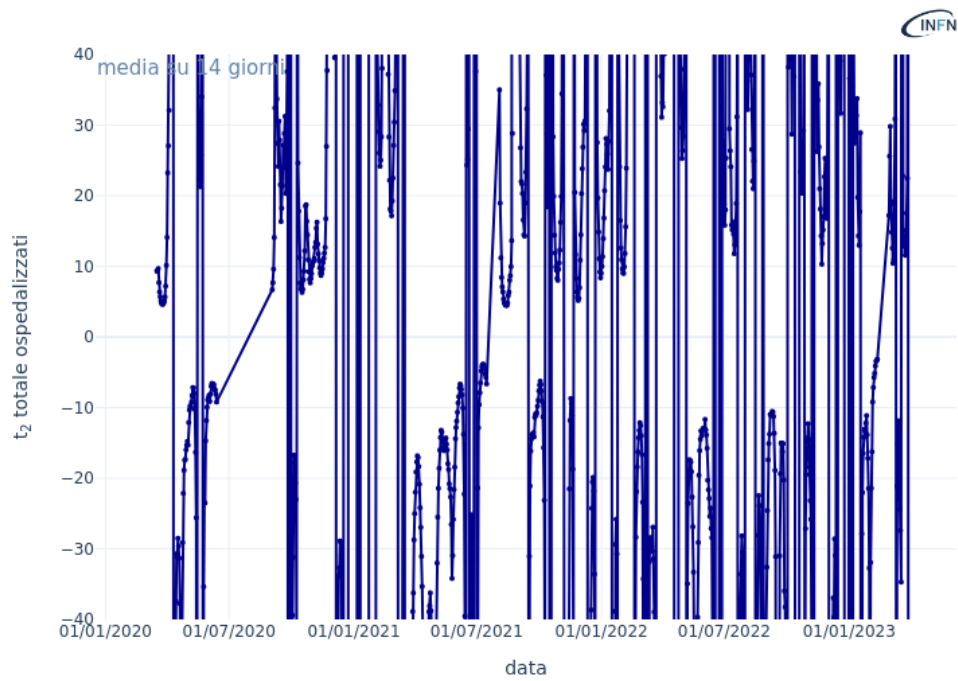


Fig. 2

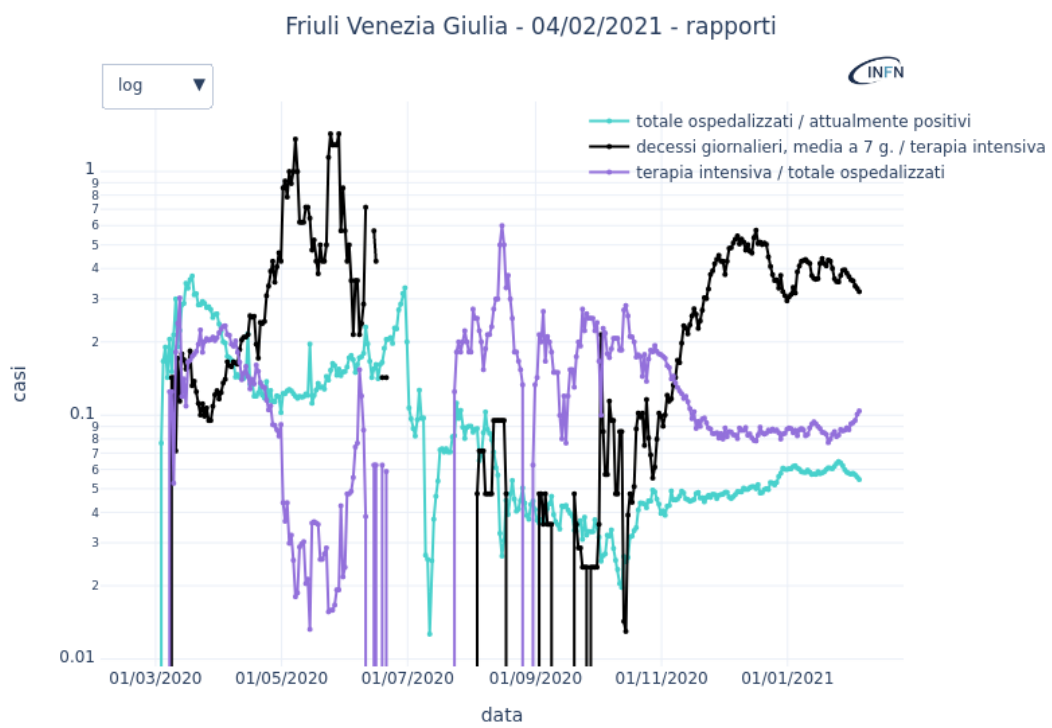


Fig. 3

Calabria - decessi giornalieri - residui - 30/03/2023

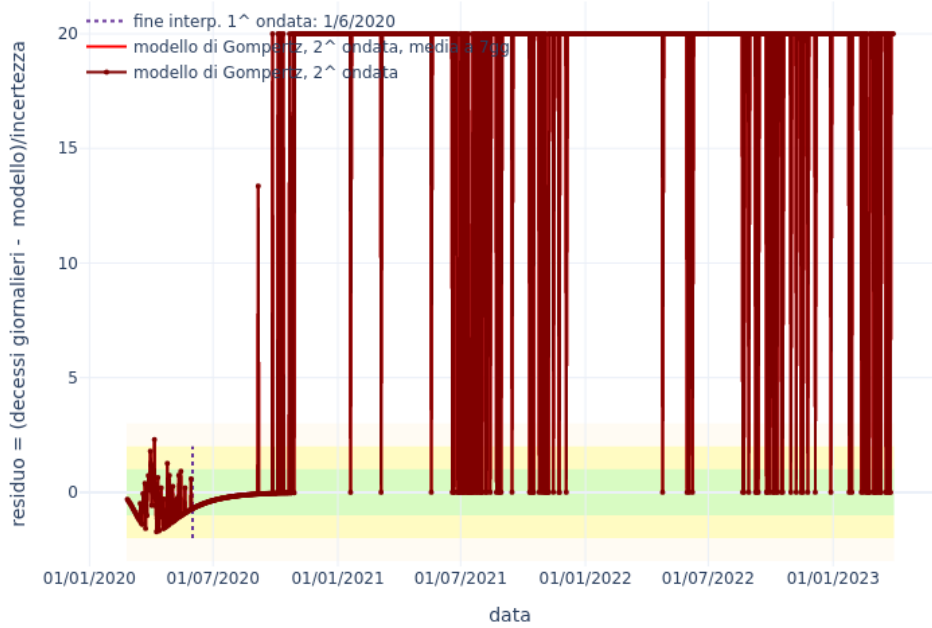


Fig. 4

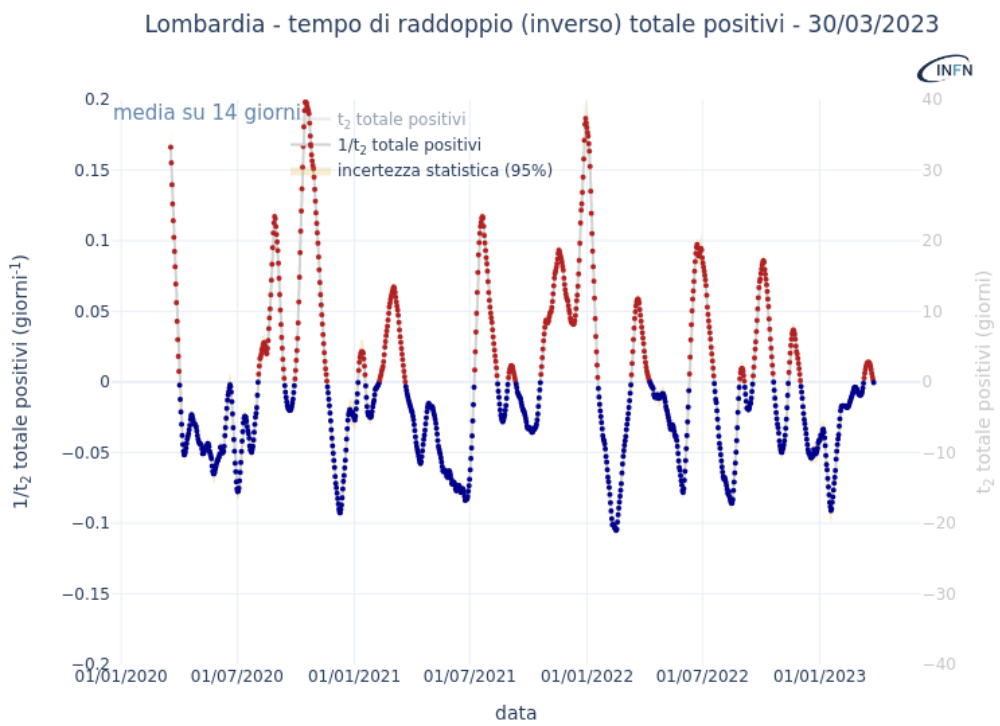


Fig. 5

### Dosi somministrate - Sud Italia

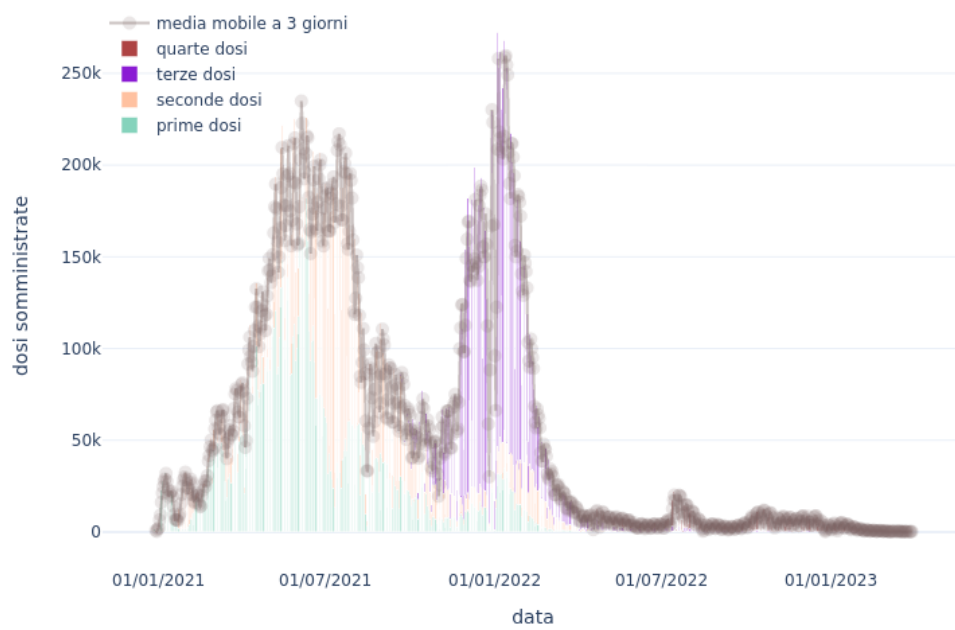


Fig. 6

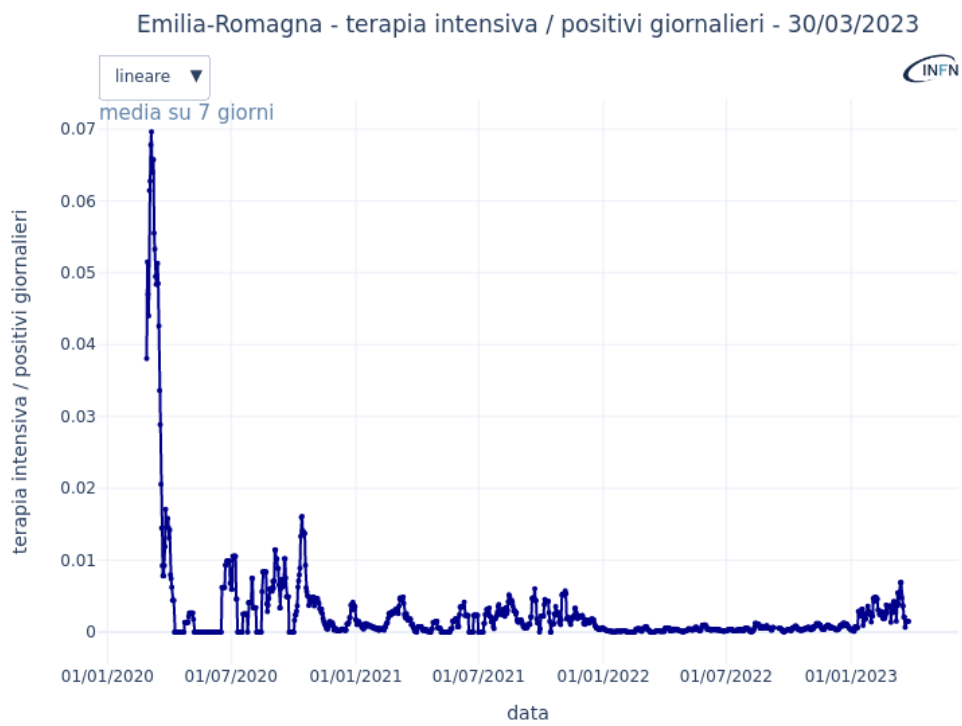


Fig. 7

Emilia-Romagna - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

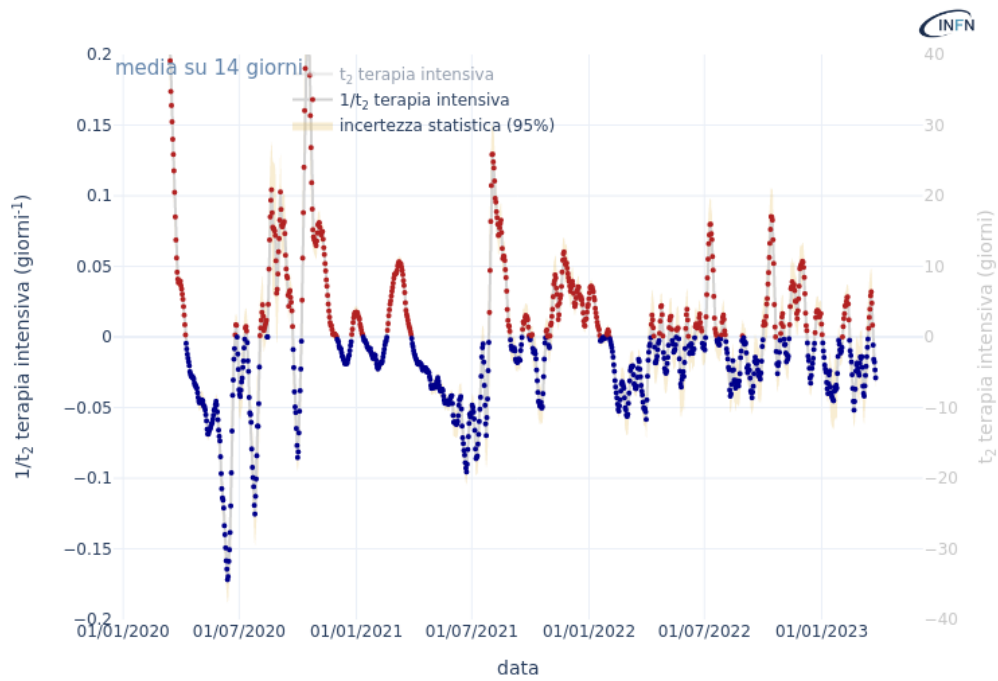


Fig. 8



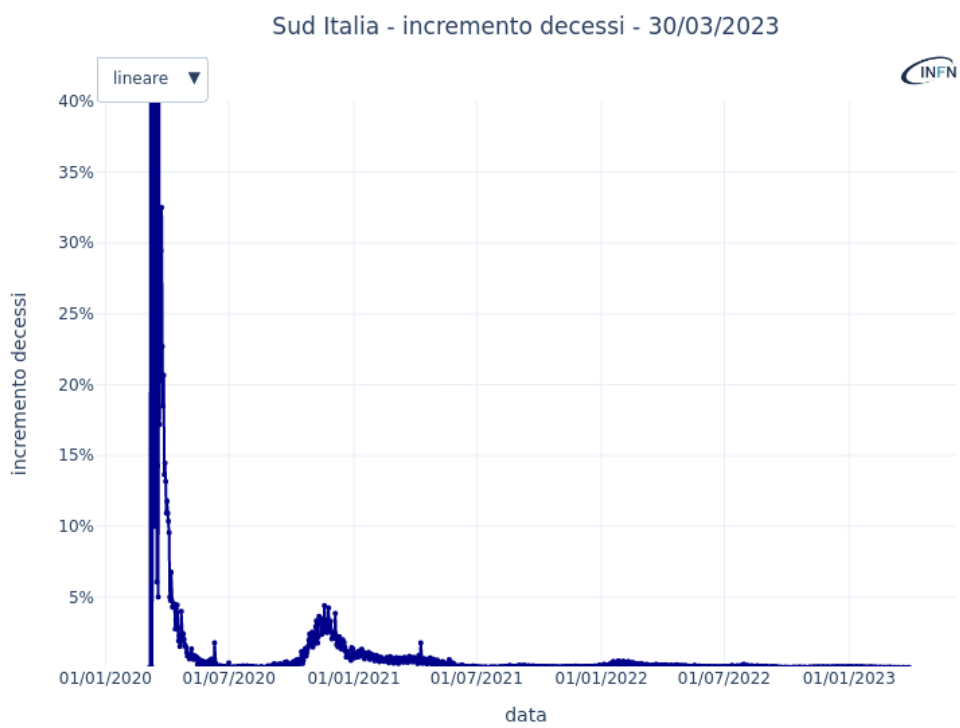


Fig. 9

Emilia-Romagna - positivi e casi testati giornalieri - 30/03/2023

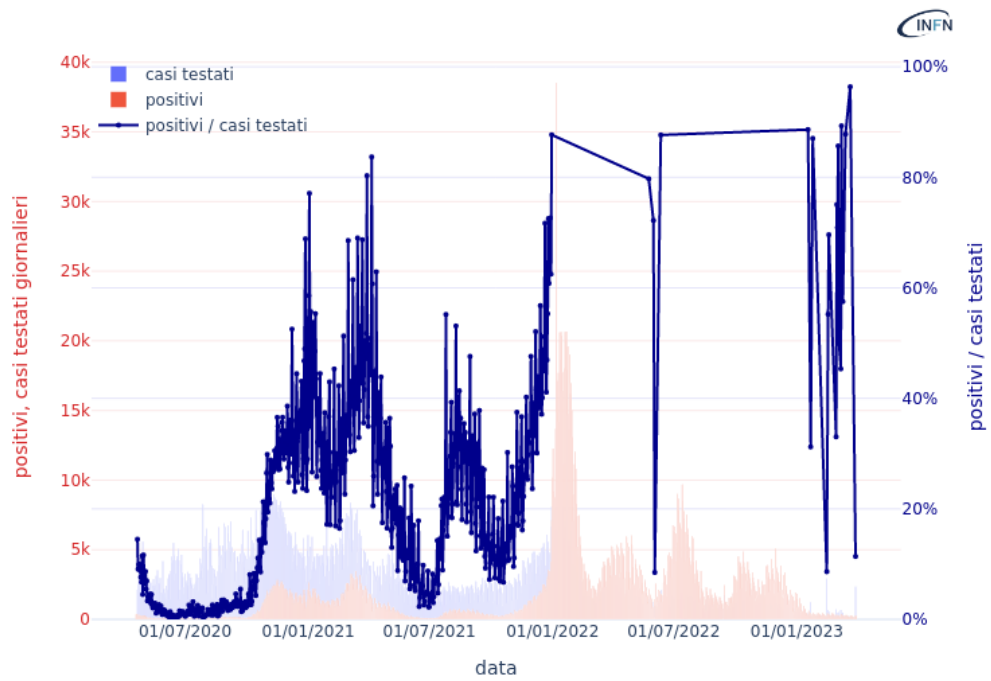


Fig. 10

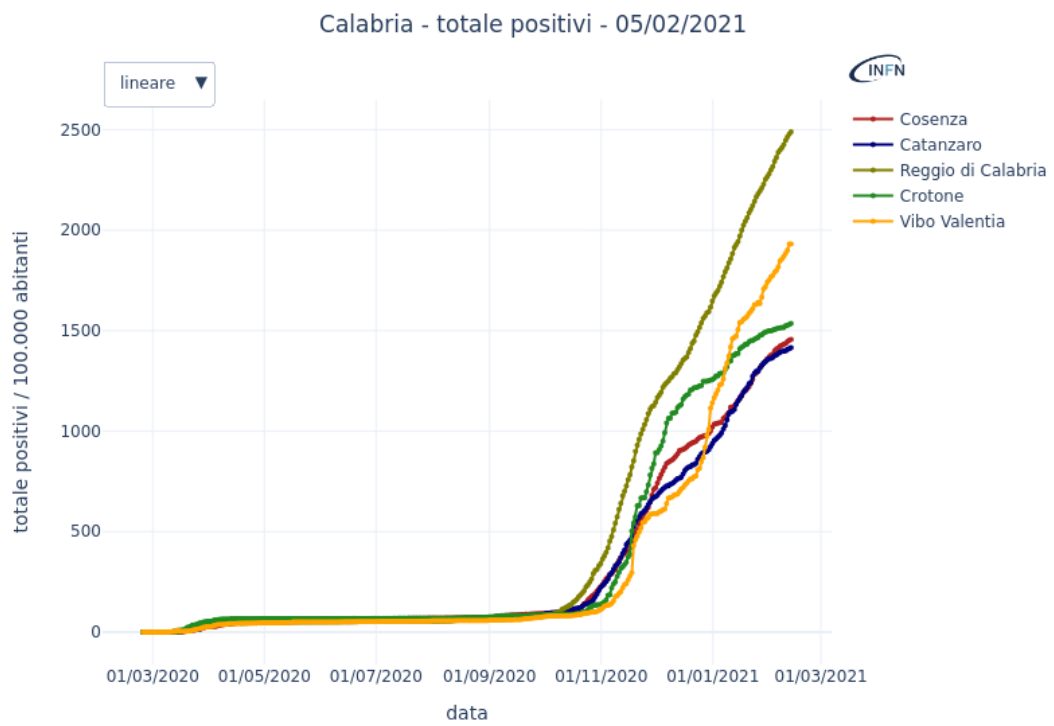


Fig. 11

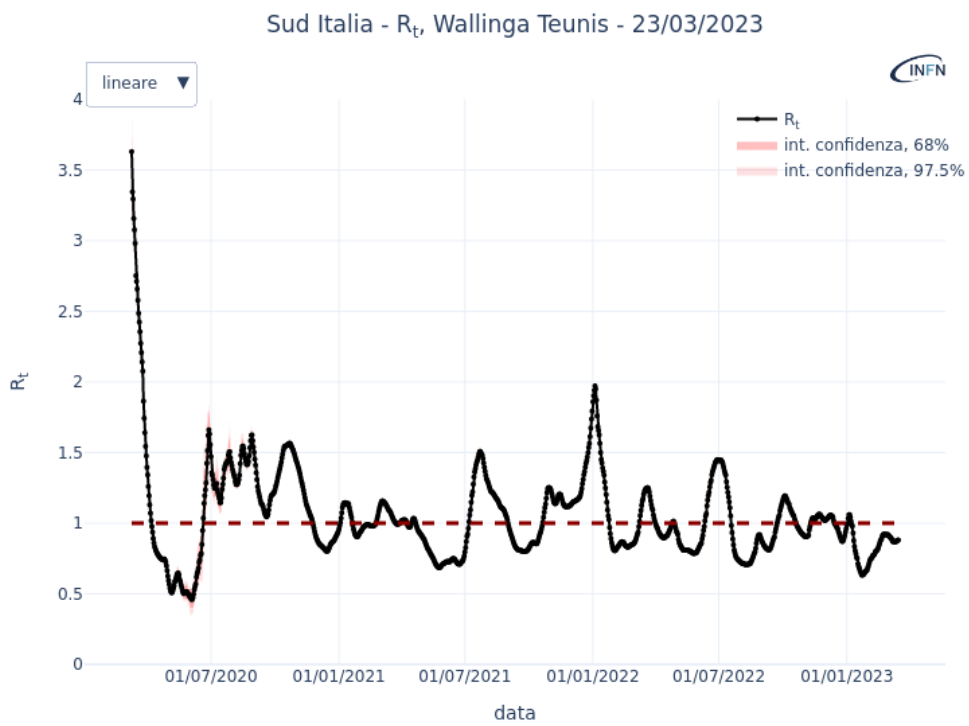


Fig. 12

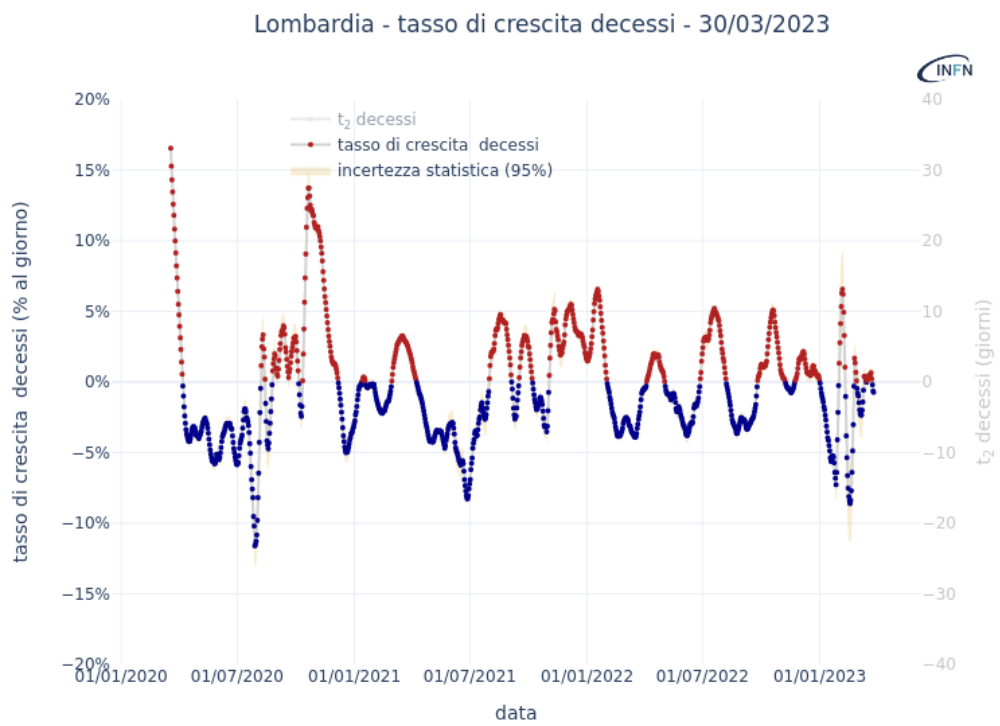


Fig. 13

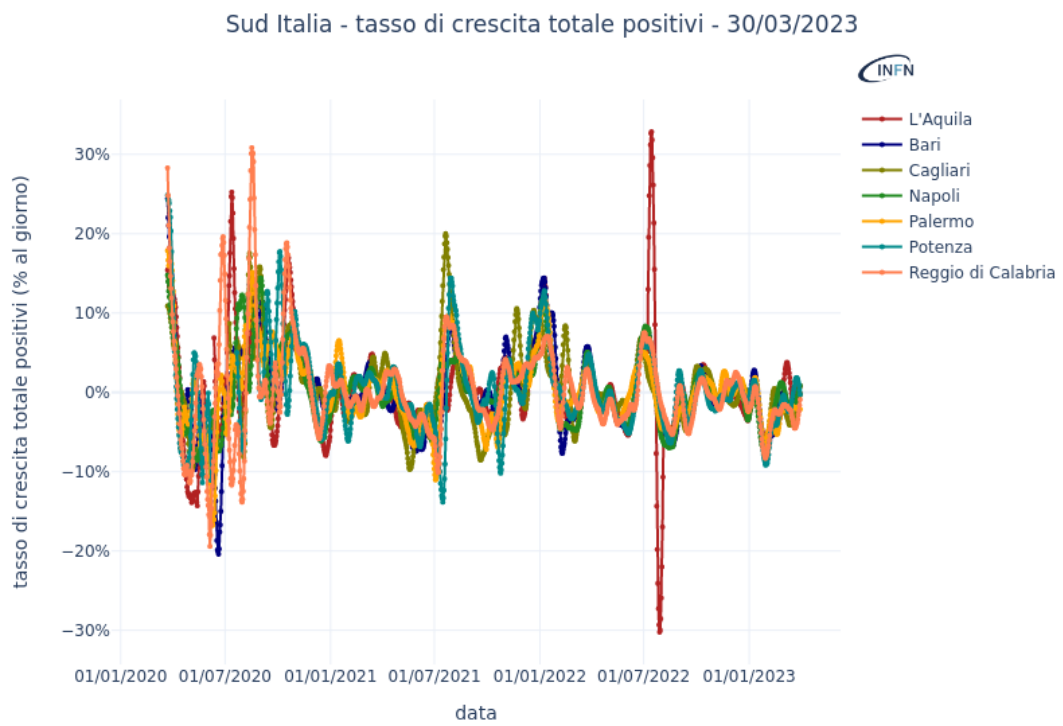


Fig. 14

Veneto - tempo di raddoppio totale ospedalizzati - 30/03/2023

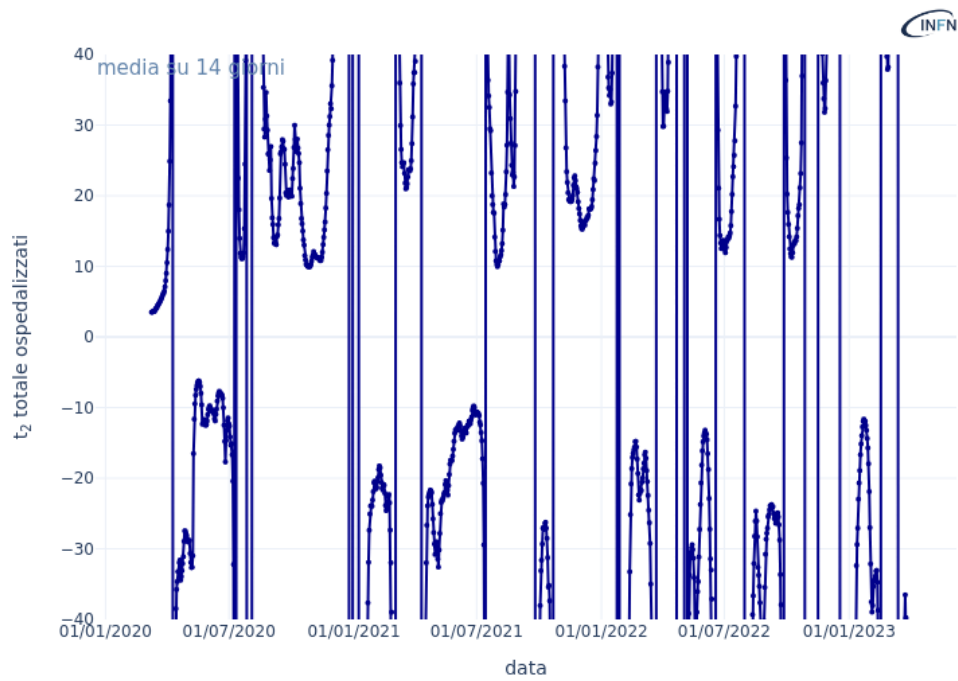


Fig. 15

Trentino Alto Adige - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

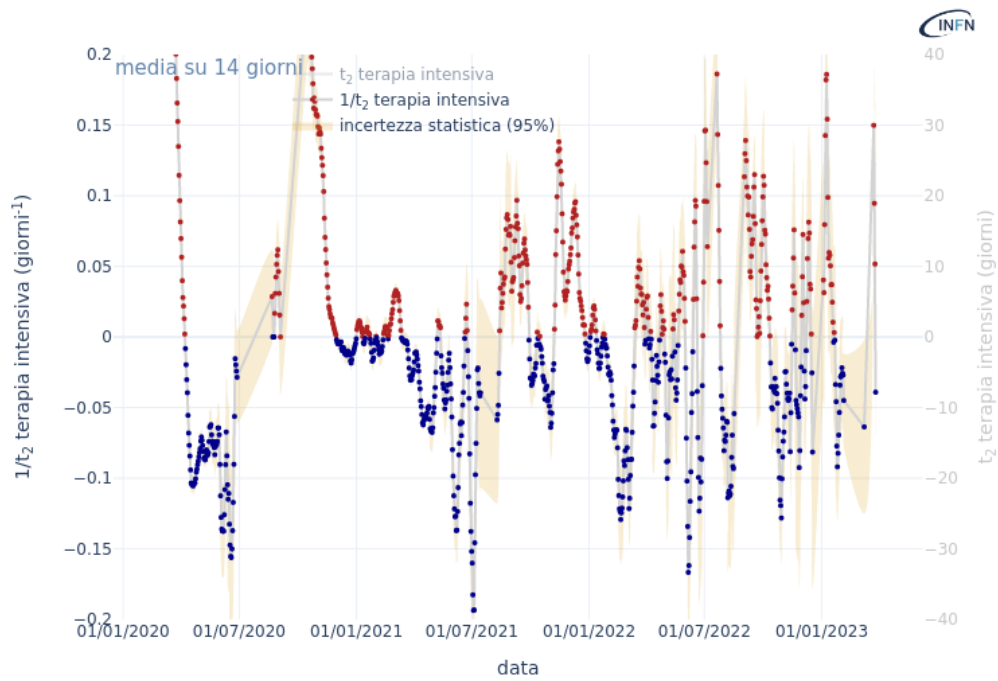


Fig. 16



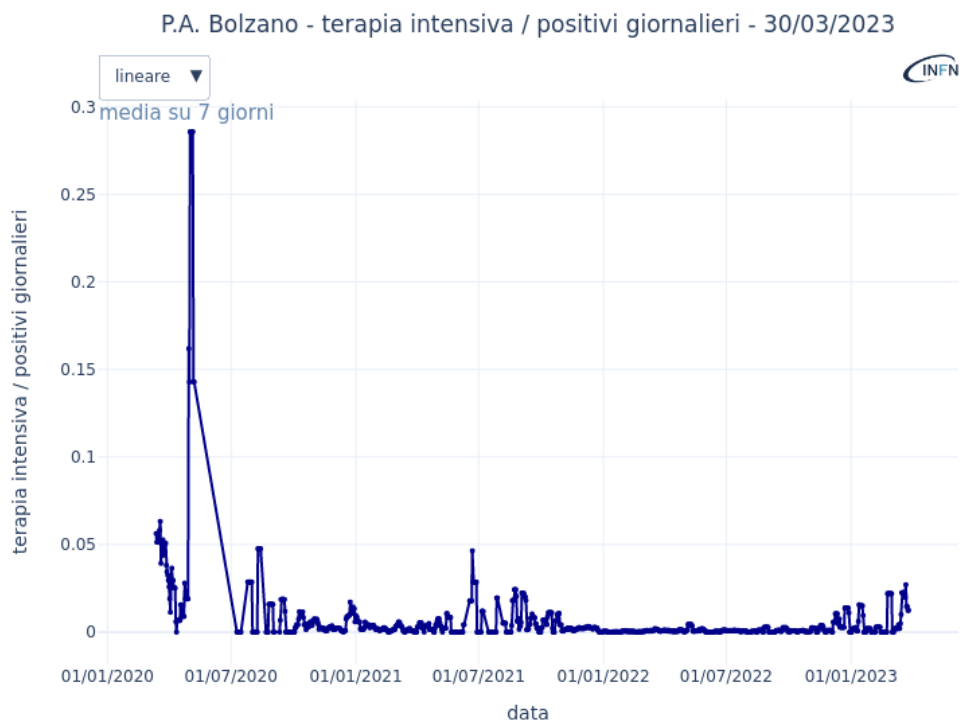


Fig. 17

Dosi somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Molise

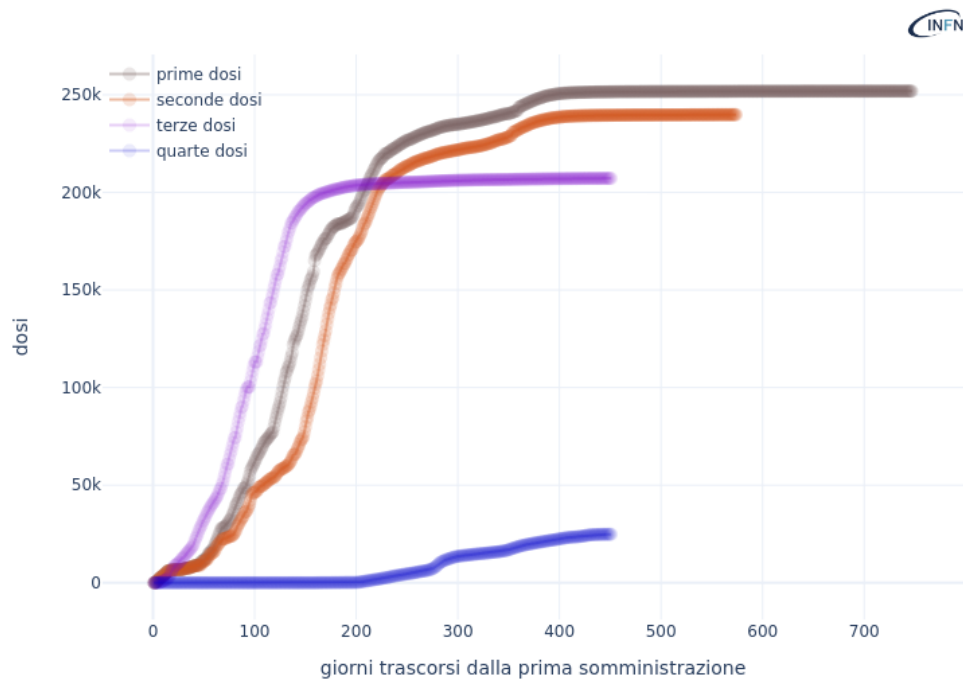


Fig. 18

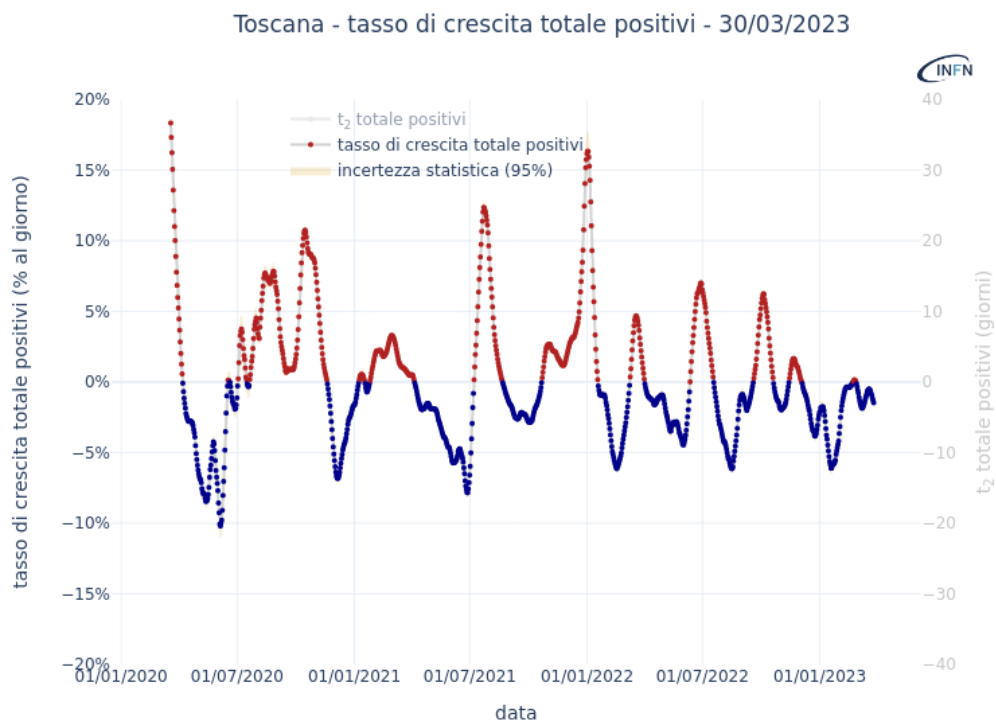


Fig. 19

Marche - totale positivi - residui - 16/01/2021

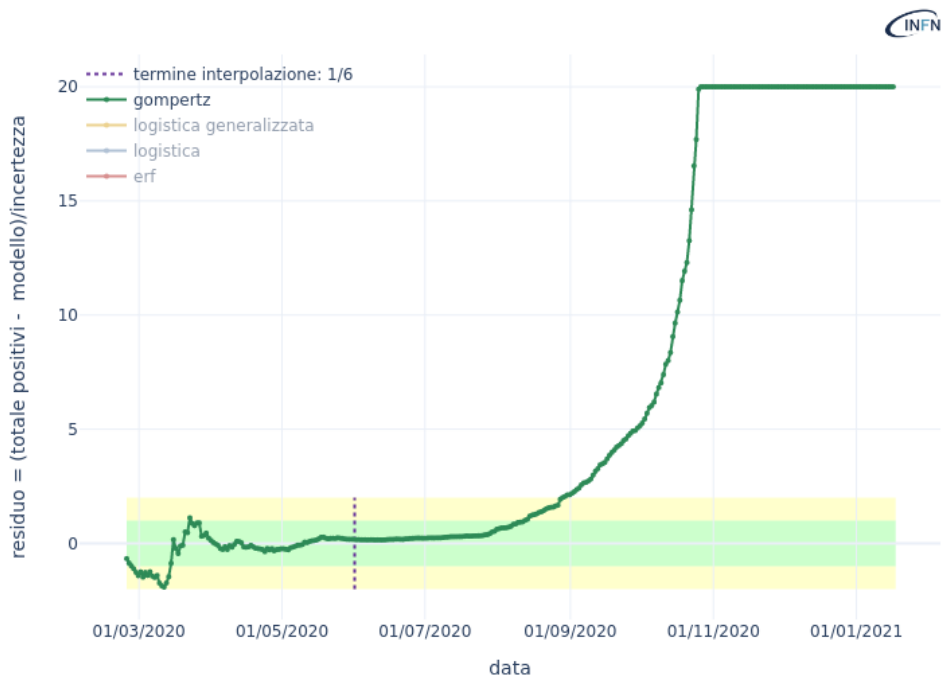


Fig. 20

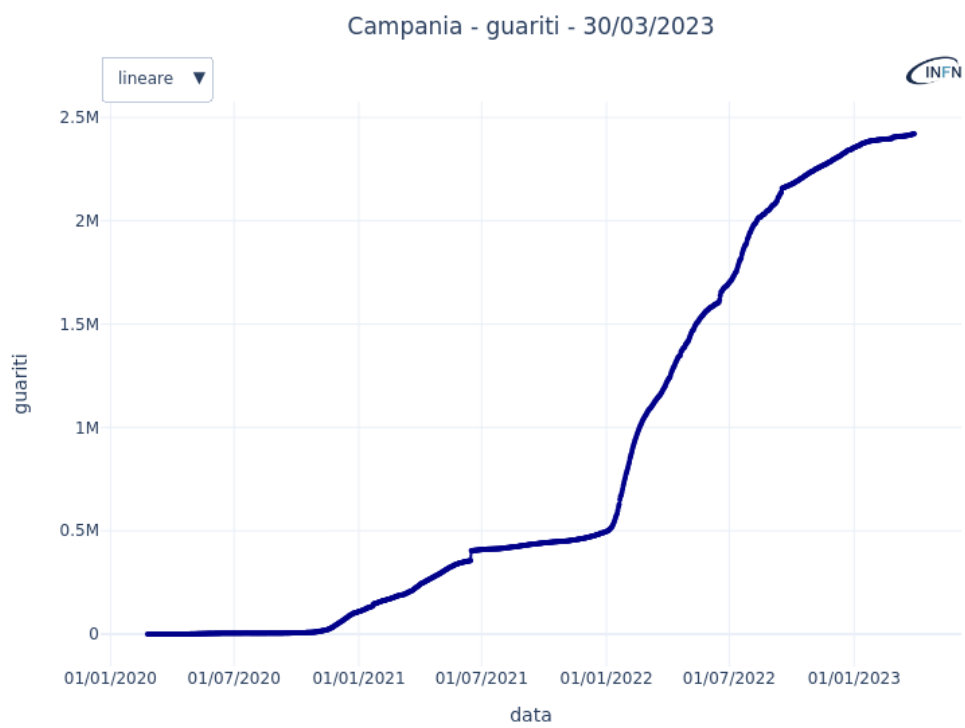


Fig. 21

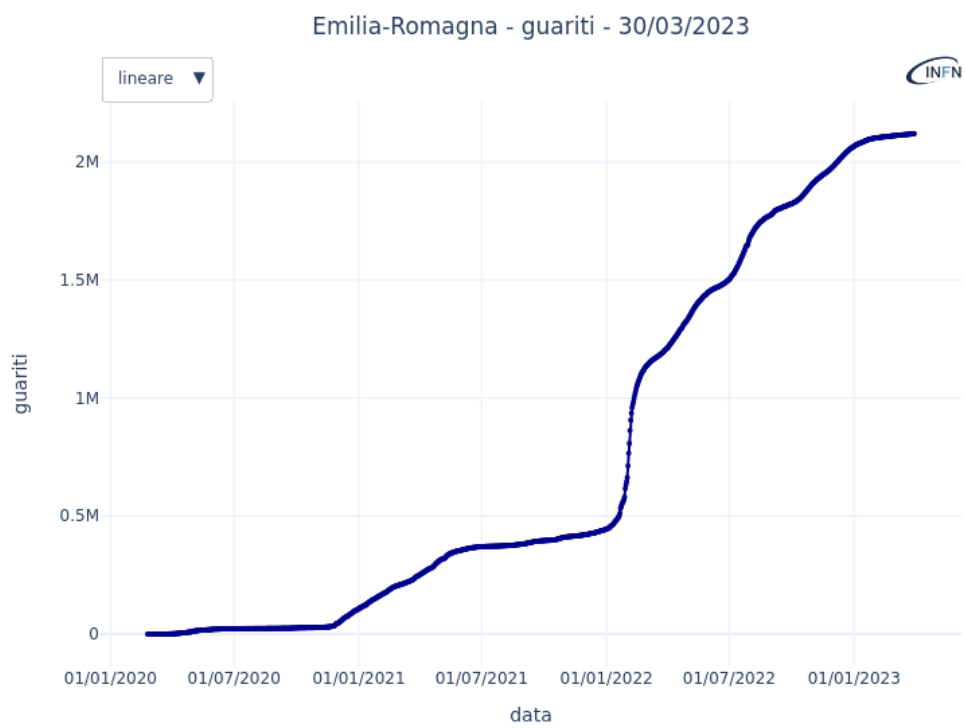


Fig. 22

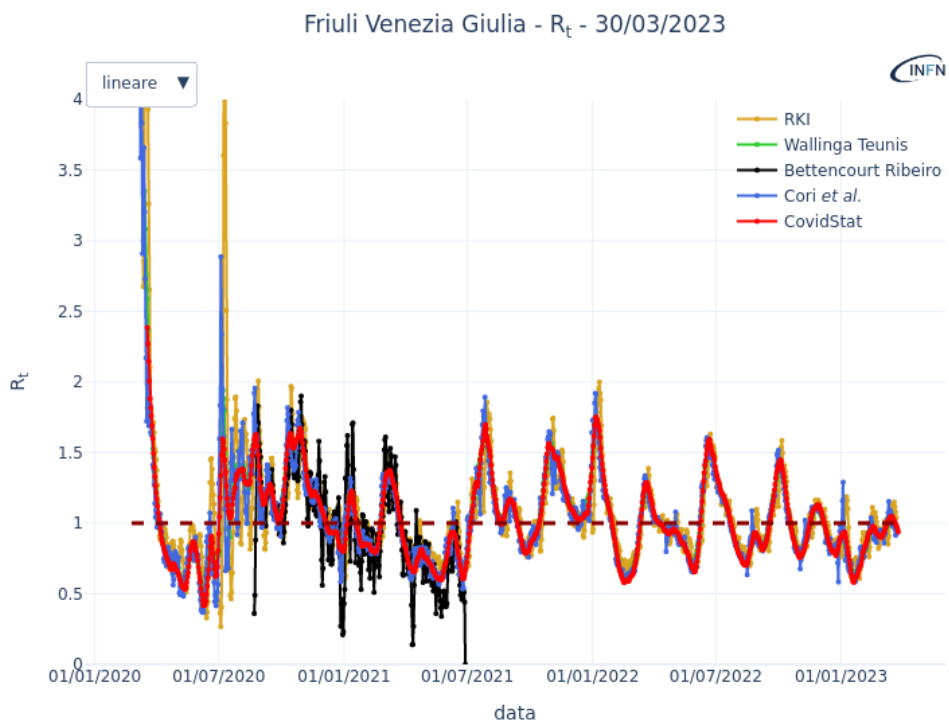


Fig. 23

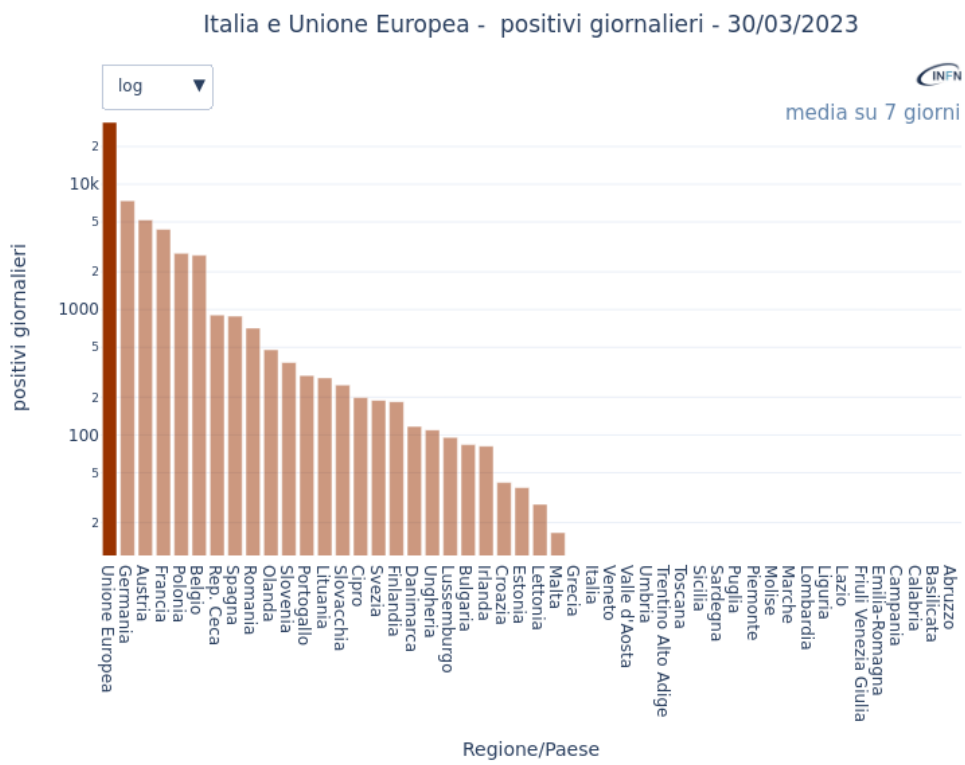


Fig. 24





Fig. 25

Trentino Alto Adige - tasso di crescita totale positivi - 30/03/2023

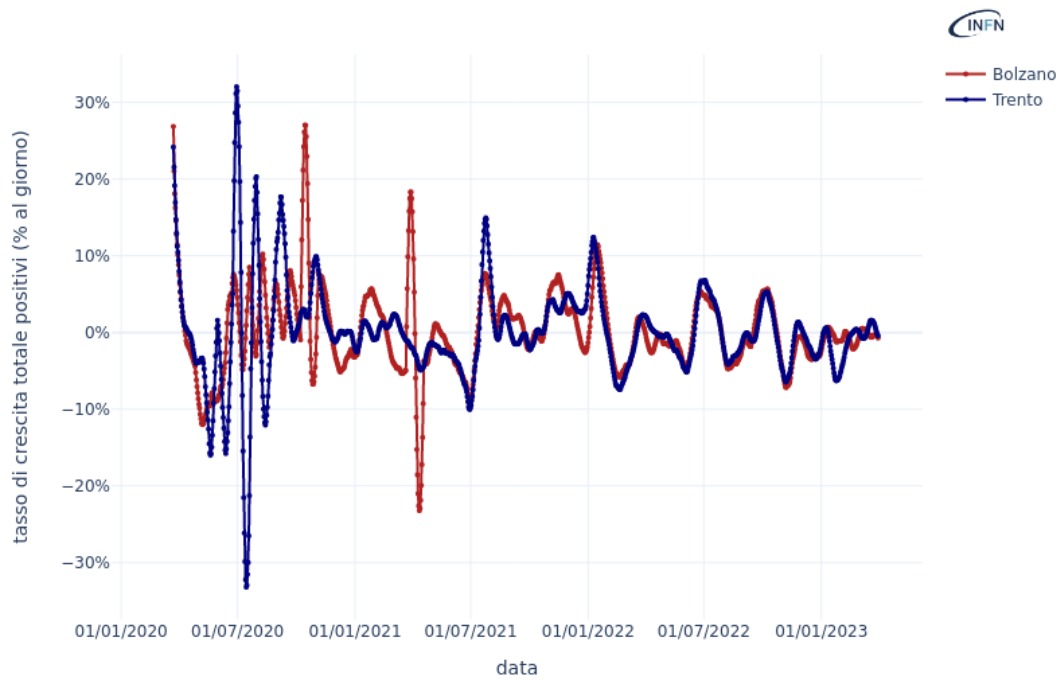


Fig. 26

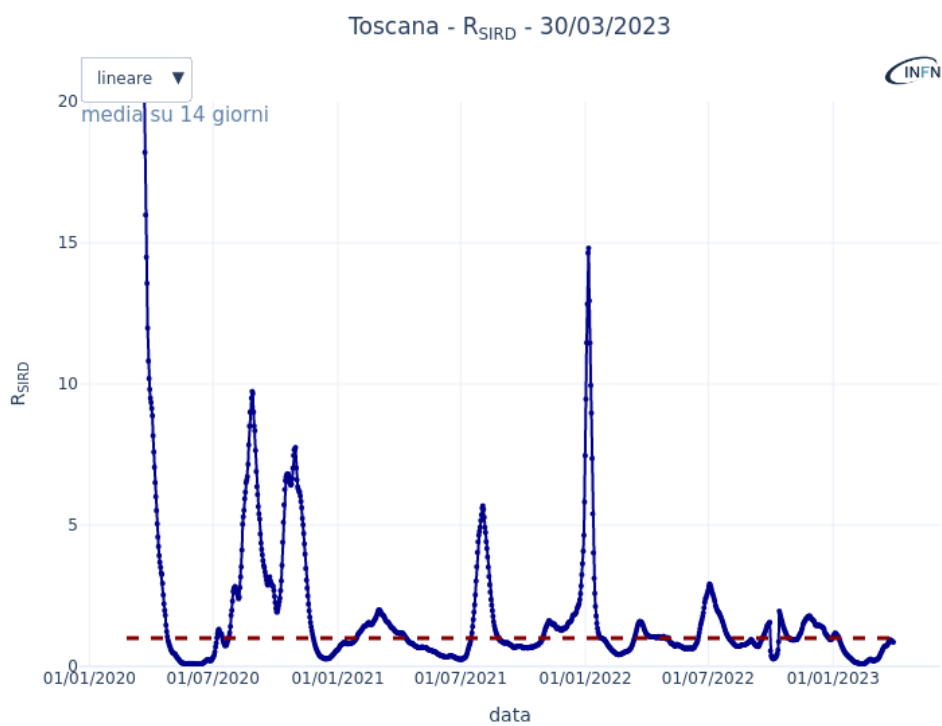


Fig. 27

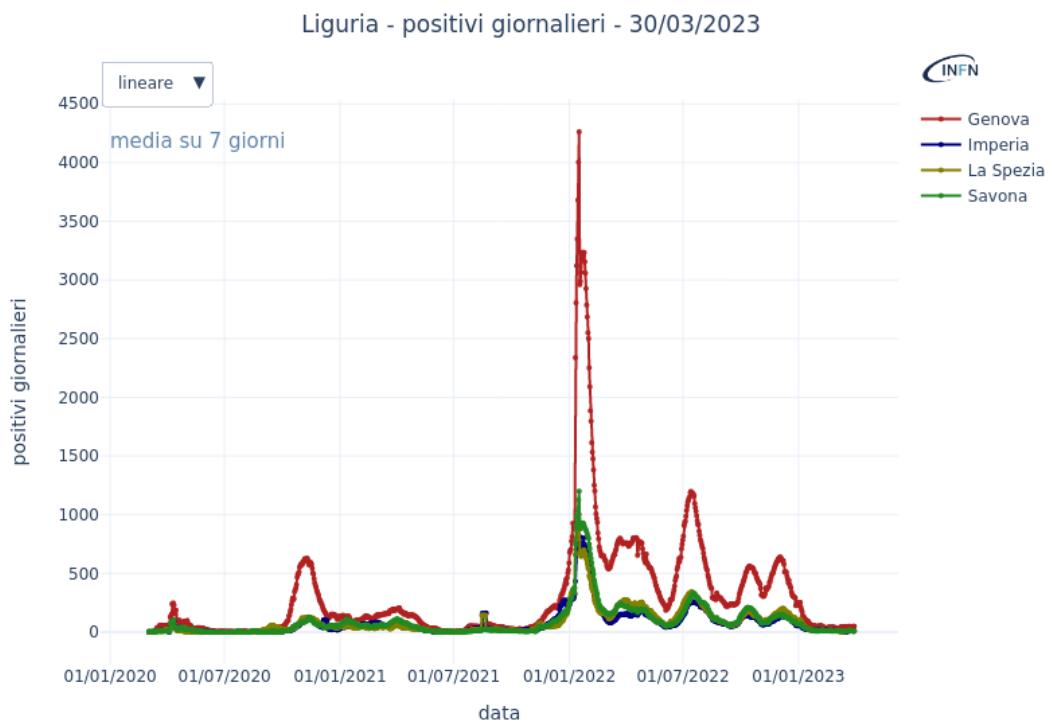


Fig. 28

Lazio - incidenza della vaccinazione per fascia d'età

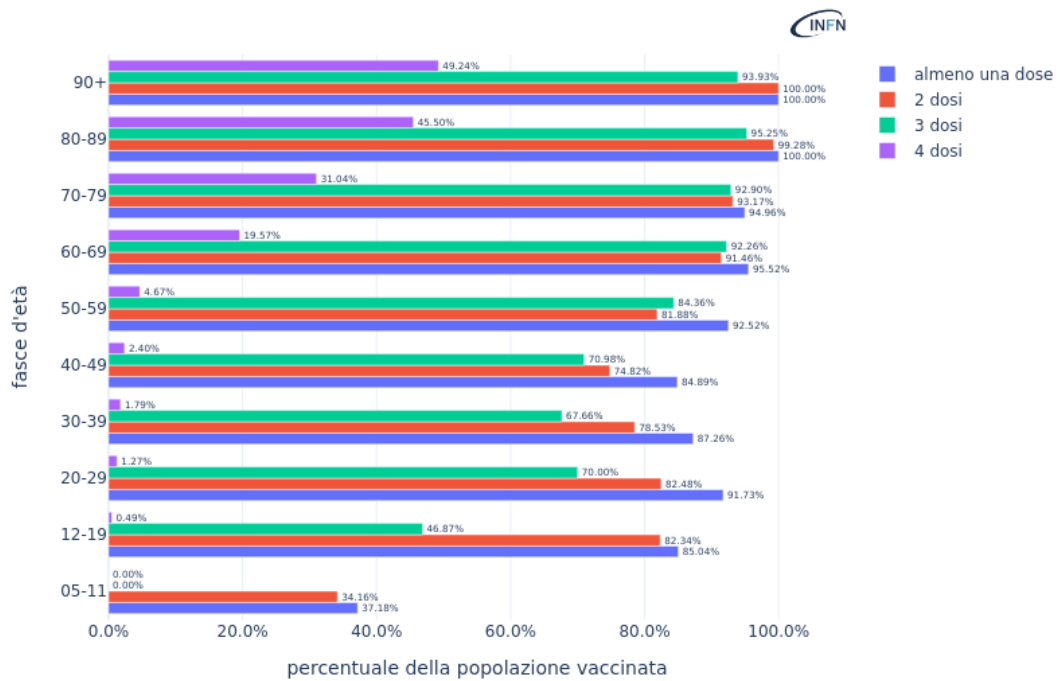


Fig. 29

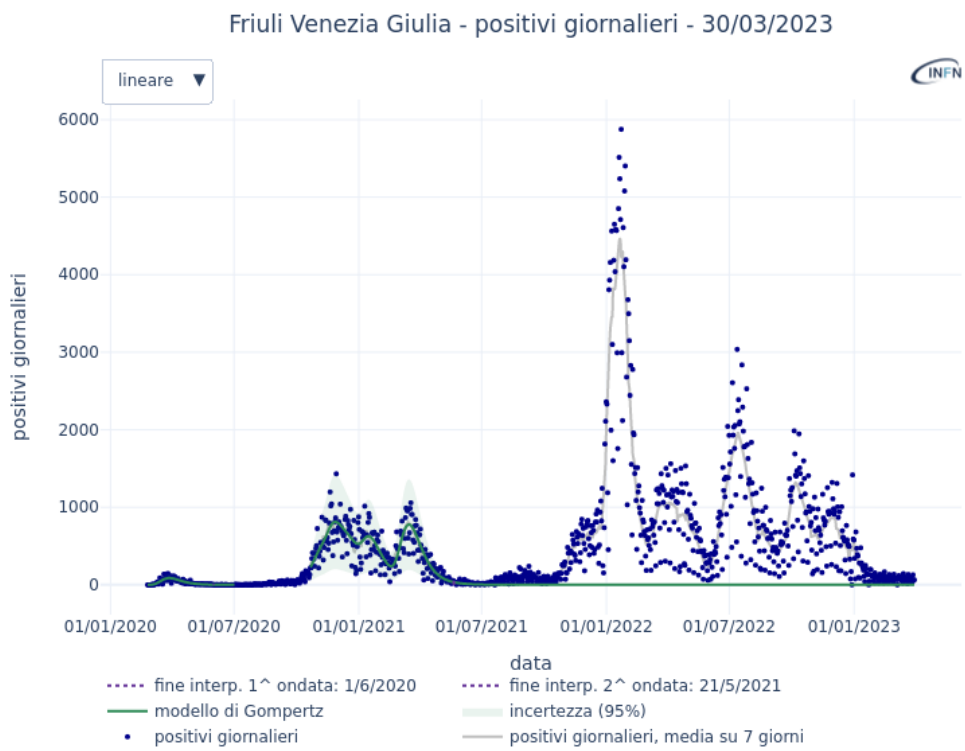


Fig. 30

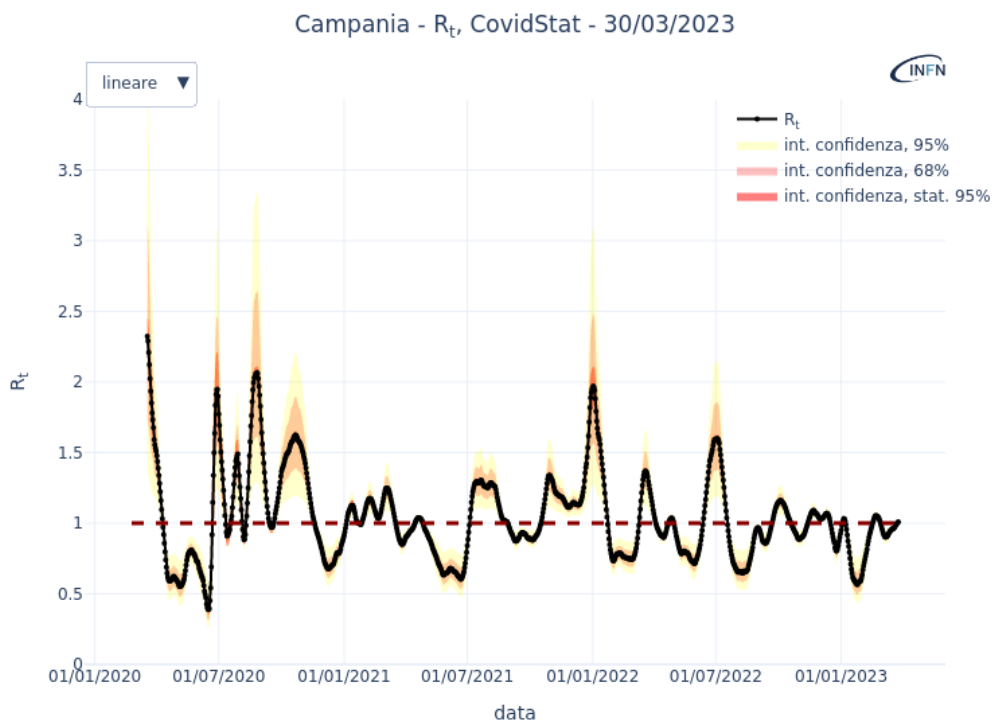


Fig. 31

Trentino Alto Adige - positivi e casi testati giornalieri - 30/03/2023

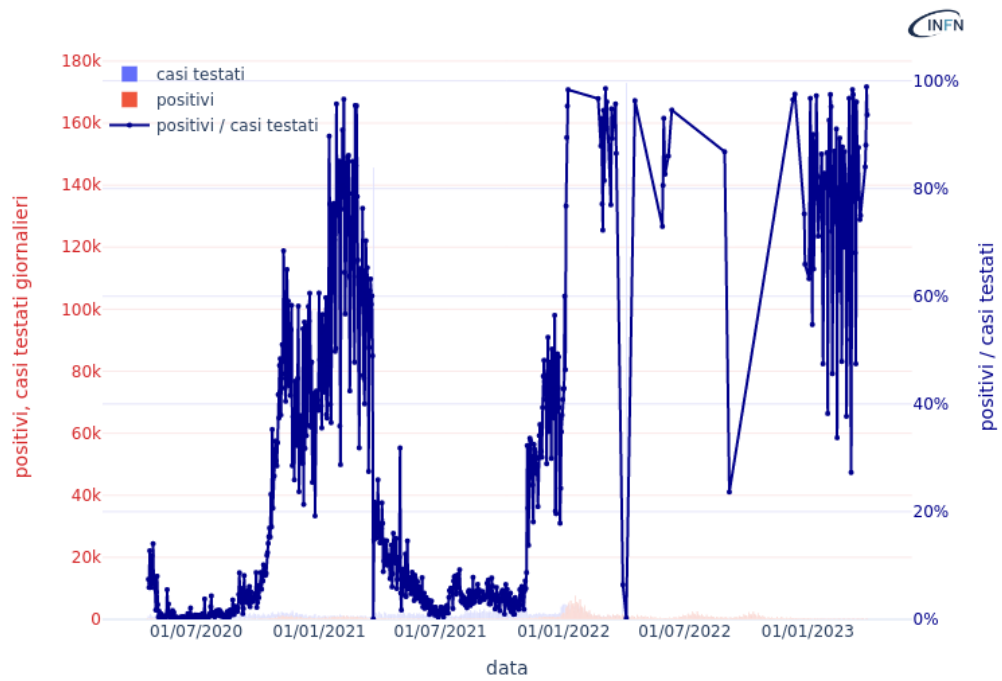


Fig. 32



Campania - positivi e tamponi giornalieri - 30/03/2023

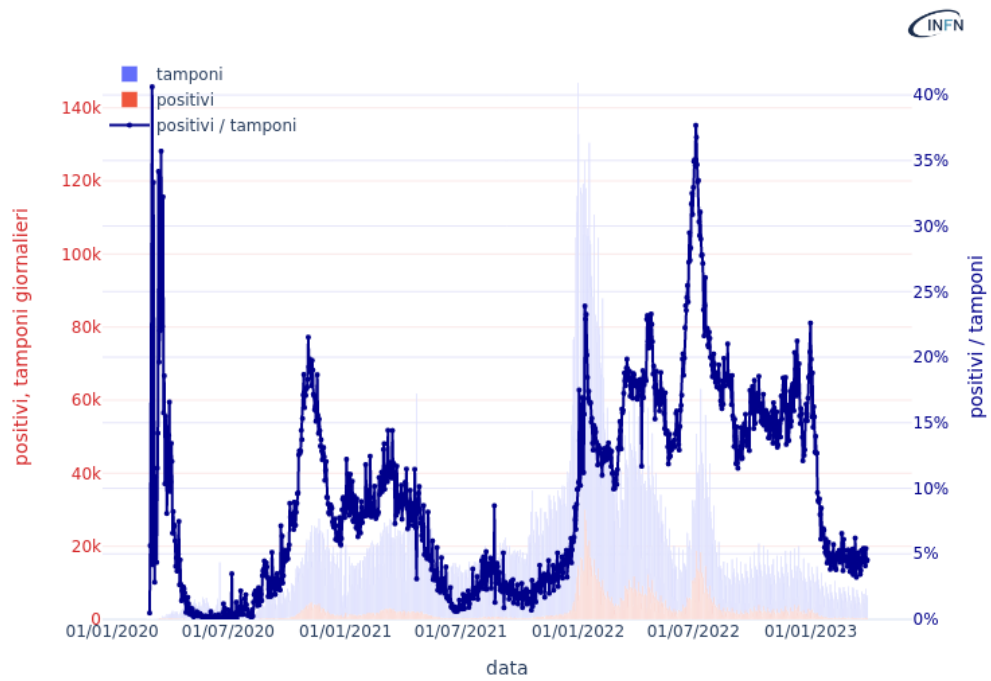


Fig. 33

P.A. Trento - tempo di raddoppio terapia intensiva - 30/03/2023

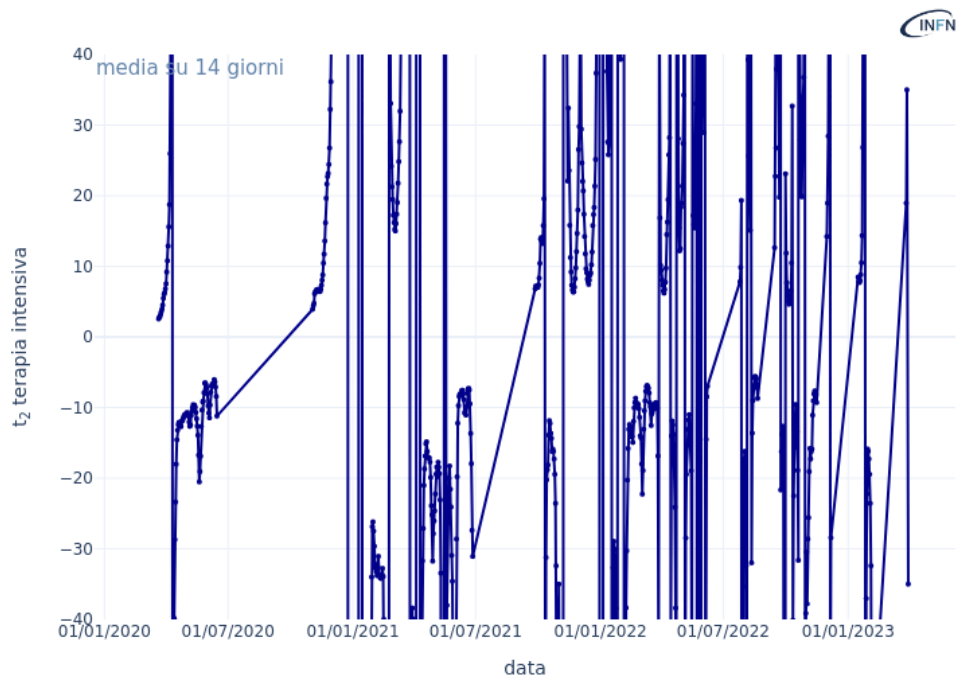


Fig. 34

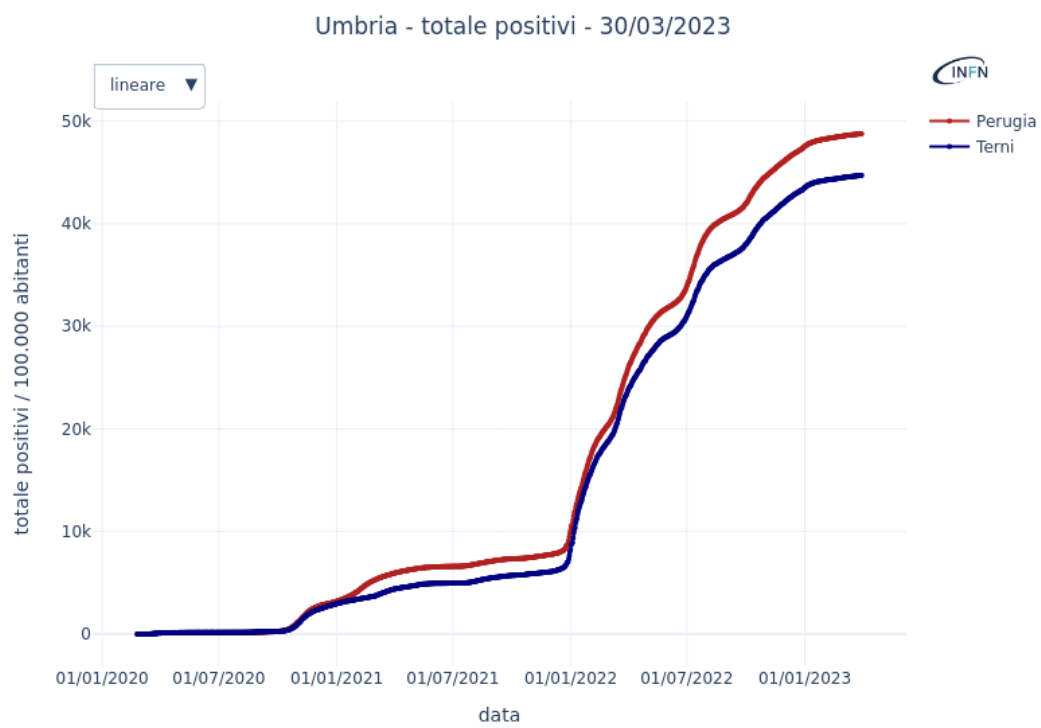


Fig. 35



Fig. 36

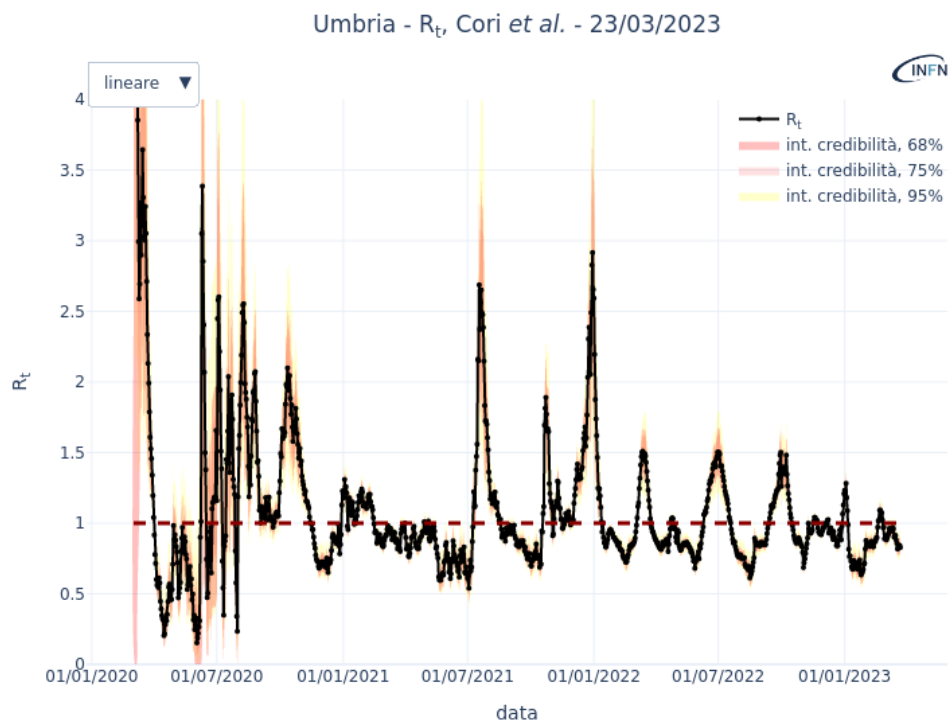


Fig. 37

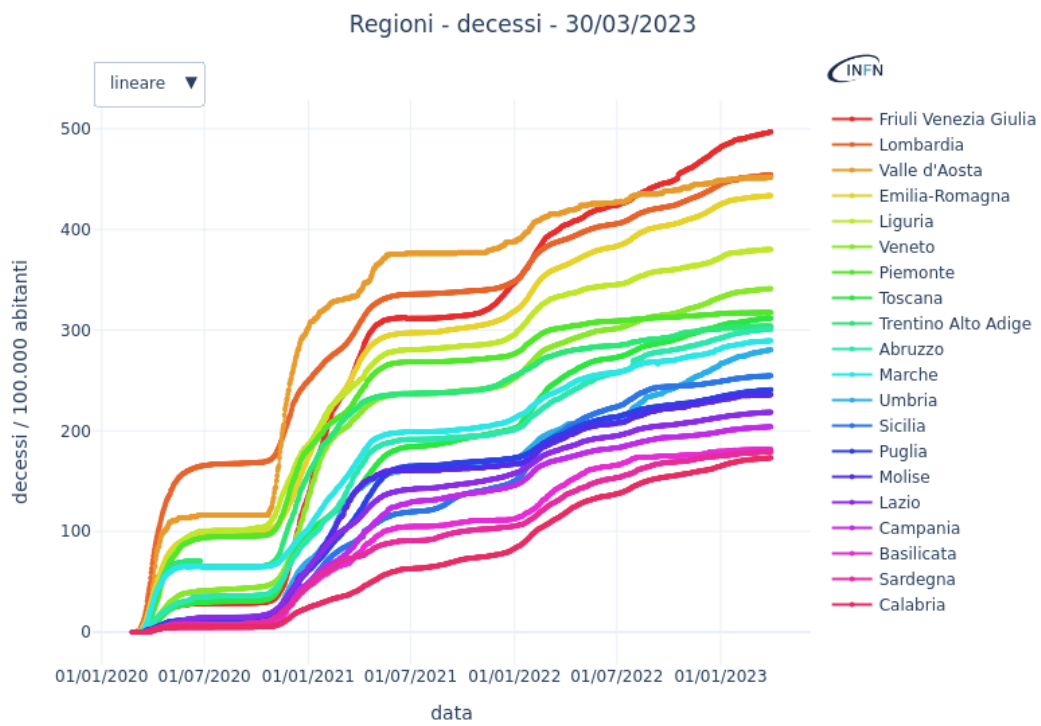


Fig. 38

P.A. Trento - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

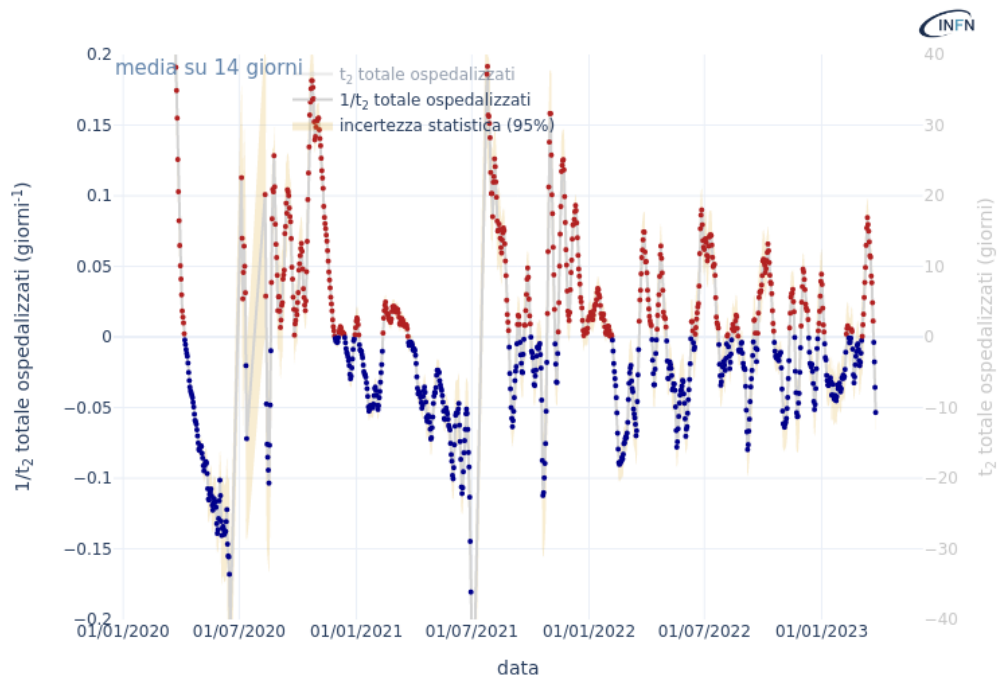


Fig. 39



Fig. 40



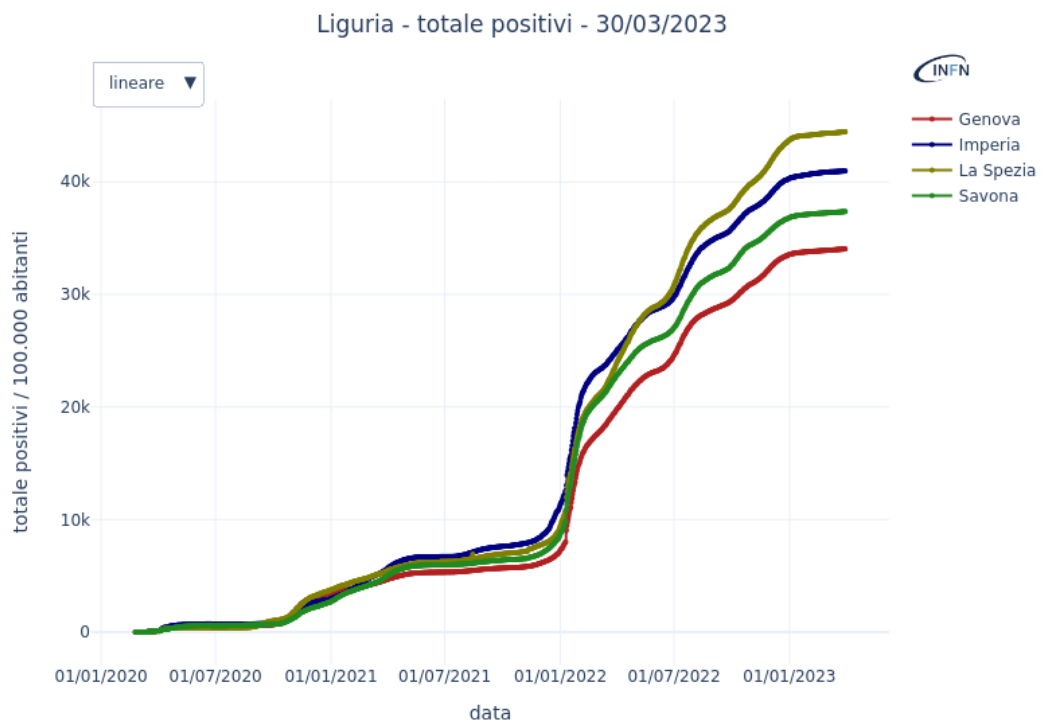


Fig. 41

Toscana - tasso di crescita terapia intensiva - 30/03/2023

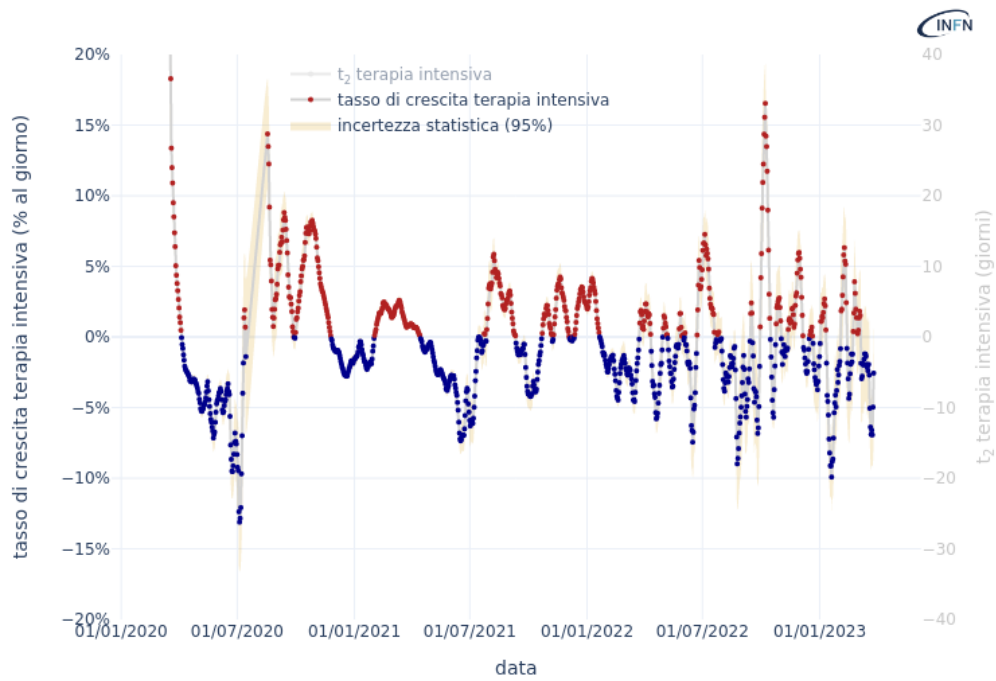


Fig. 42

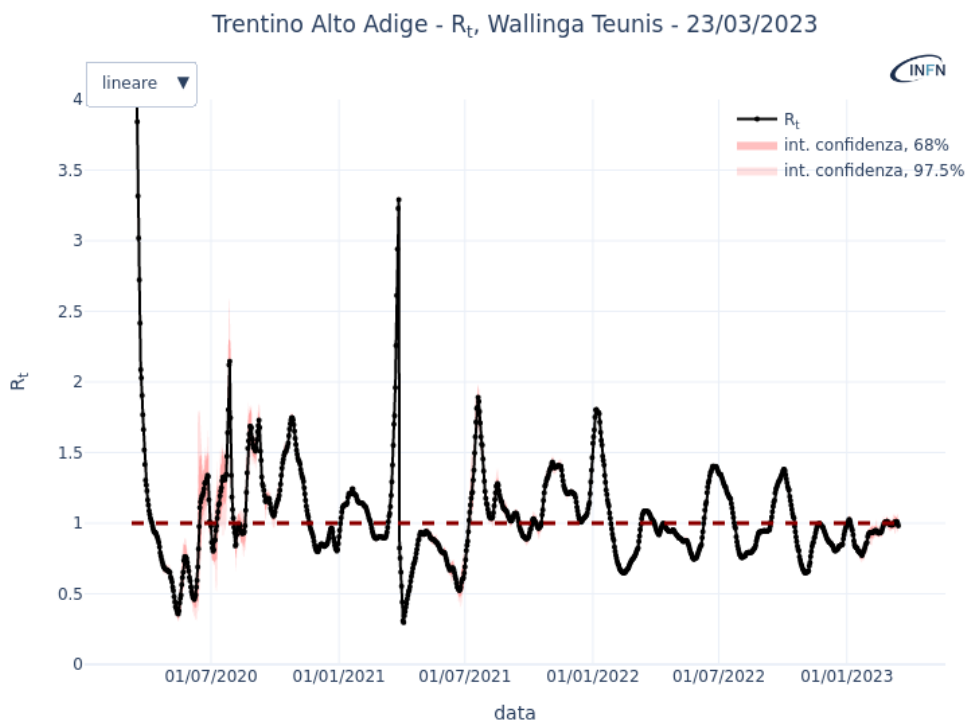


Fig. 43

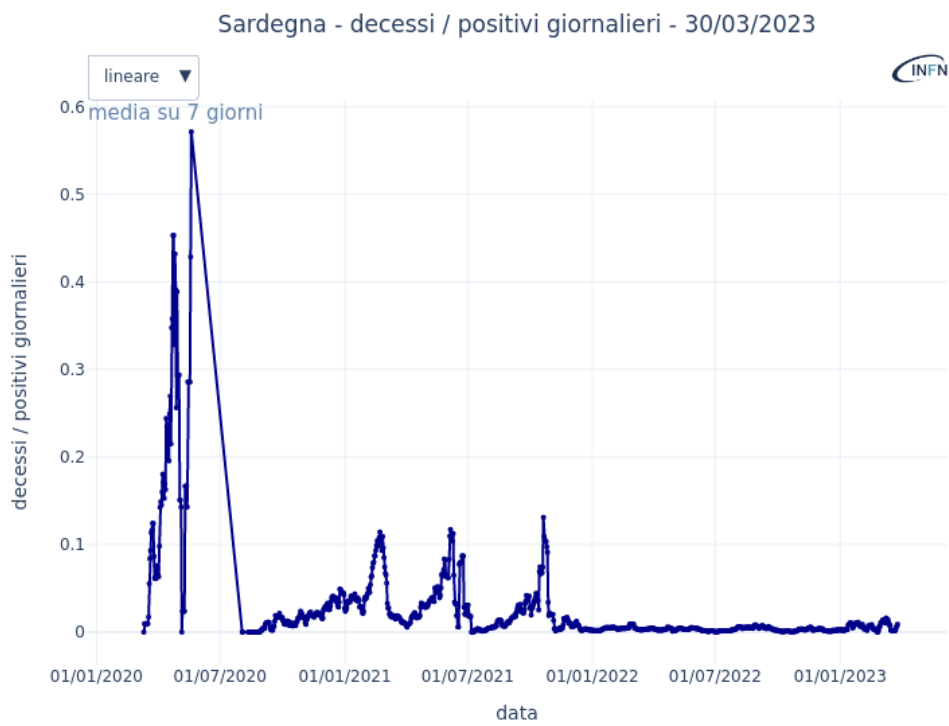


Fig. 44

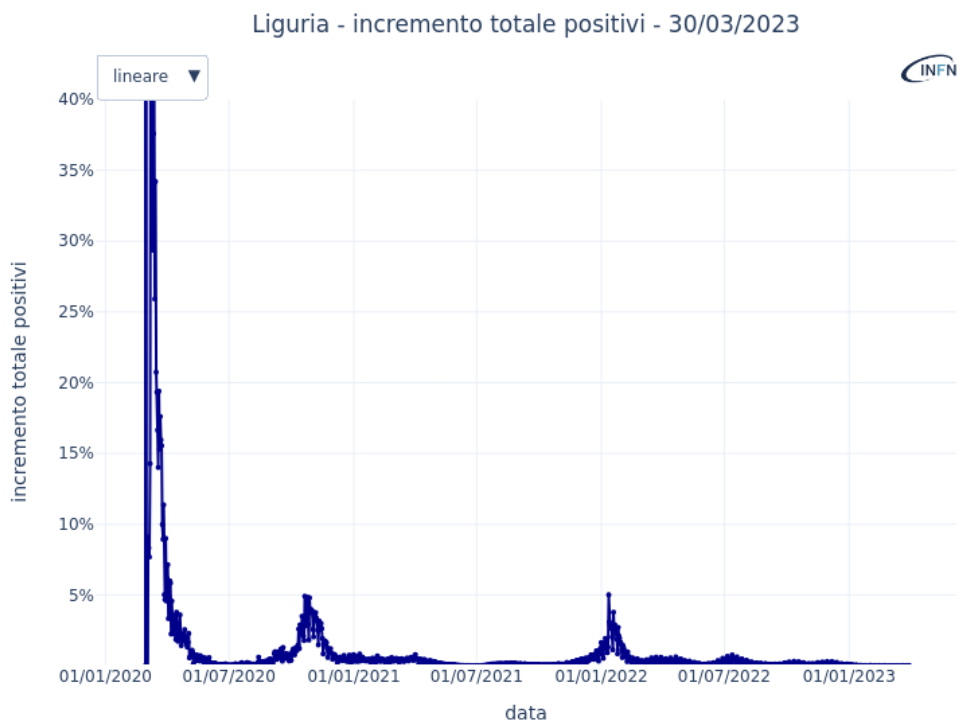


Fig. 45

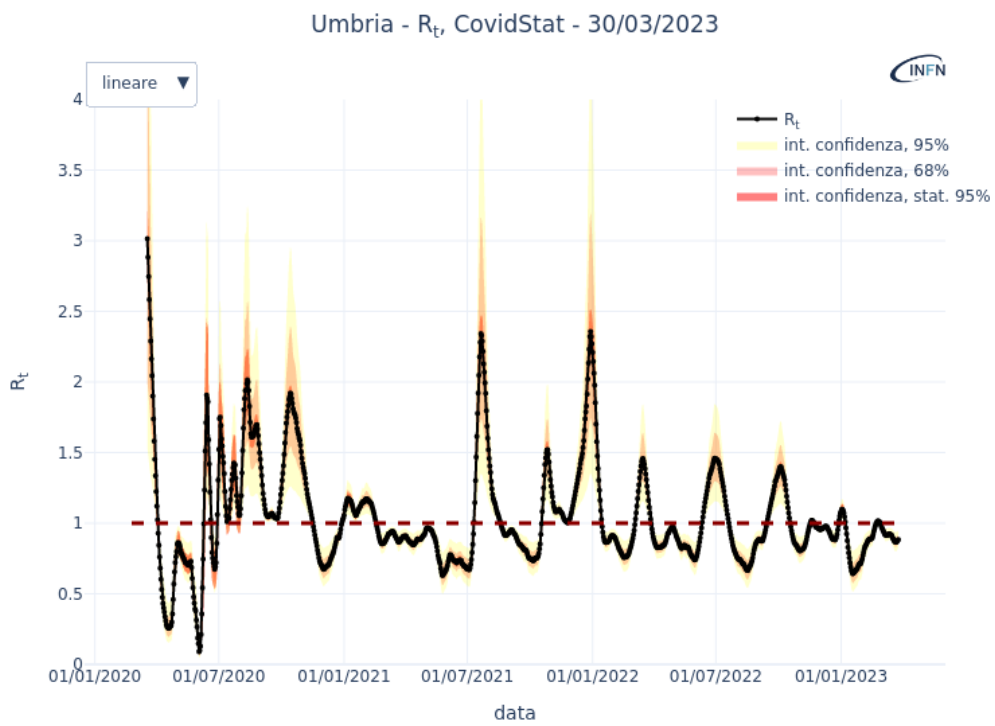


Fig. 46

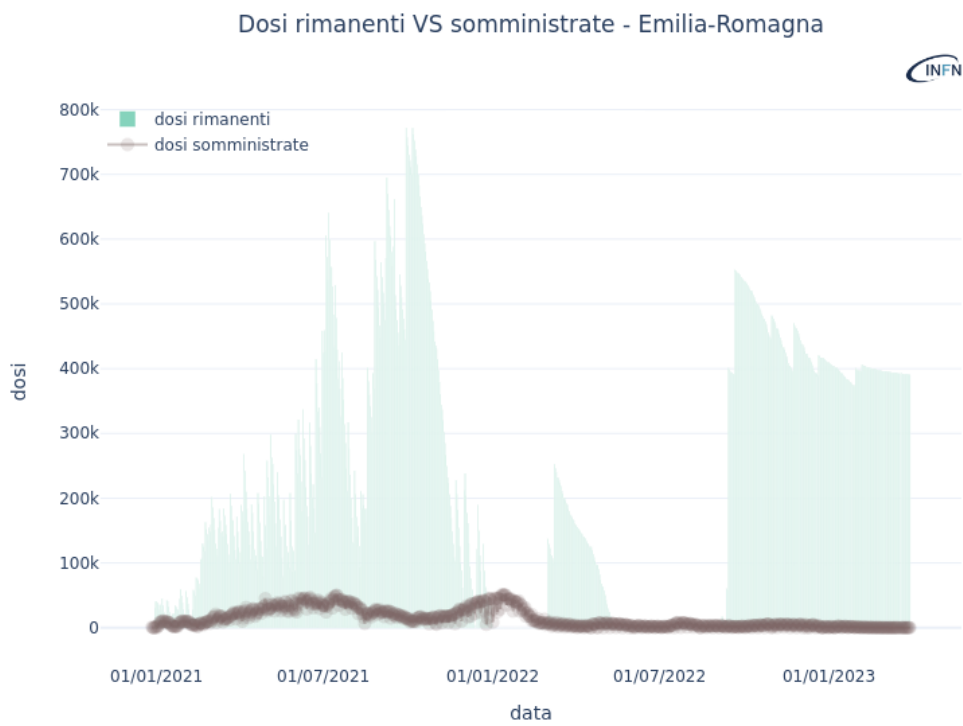


Fig. 47

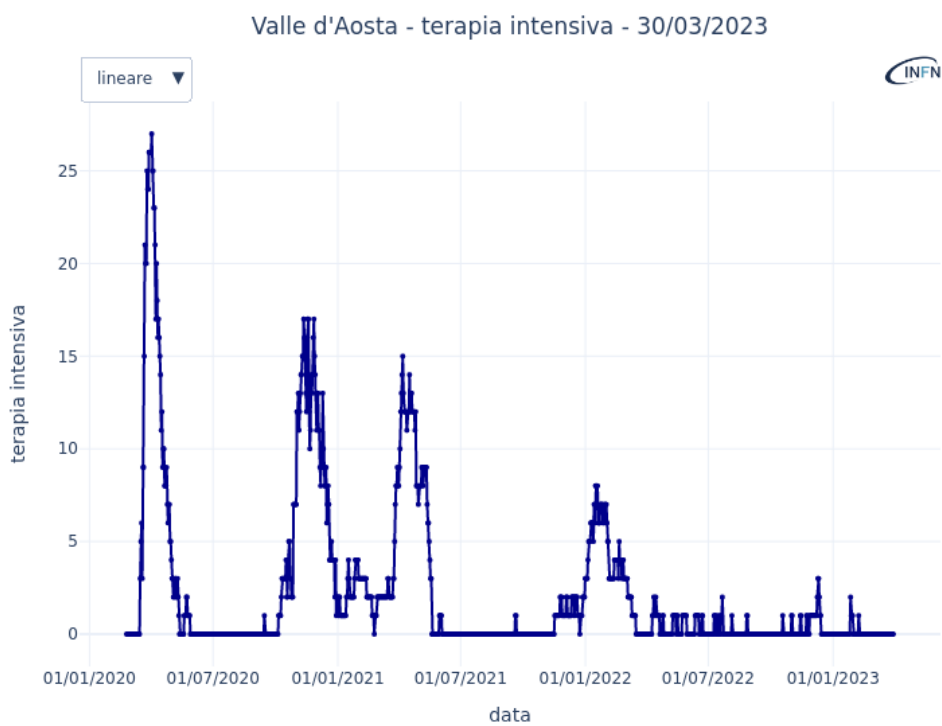


Fig. 48



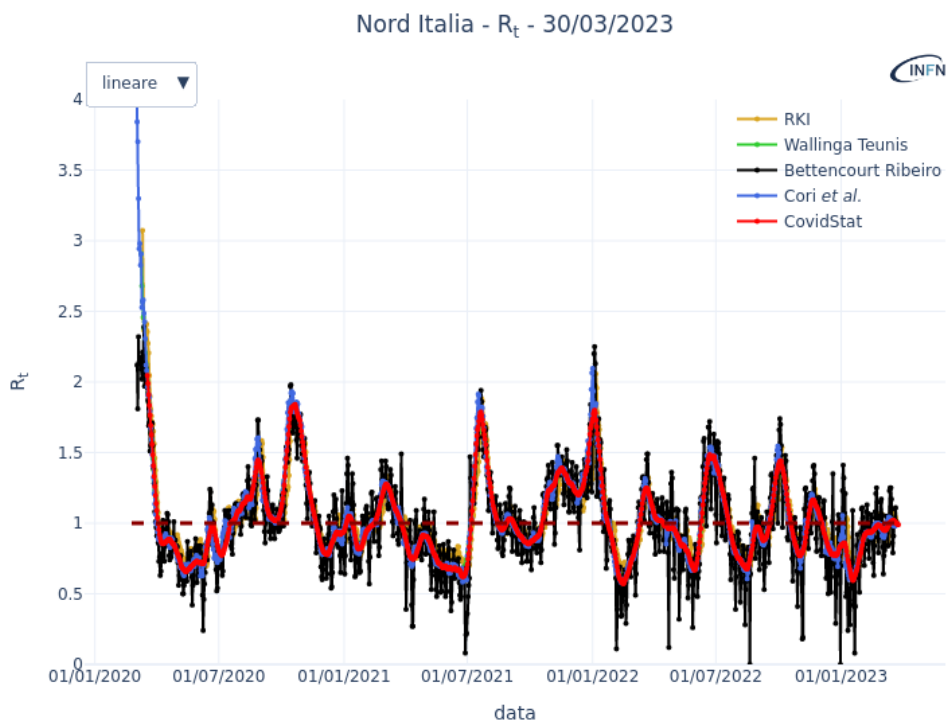


Fig. 49

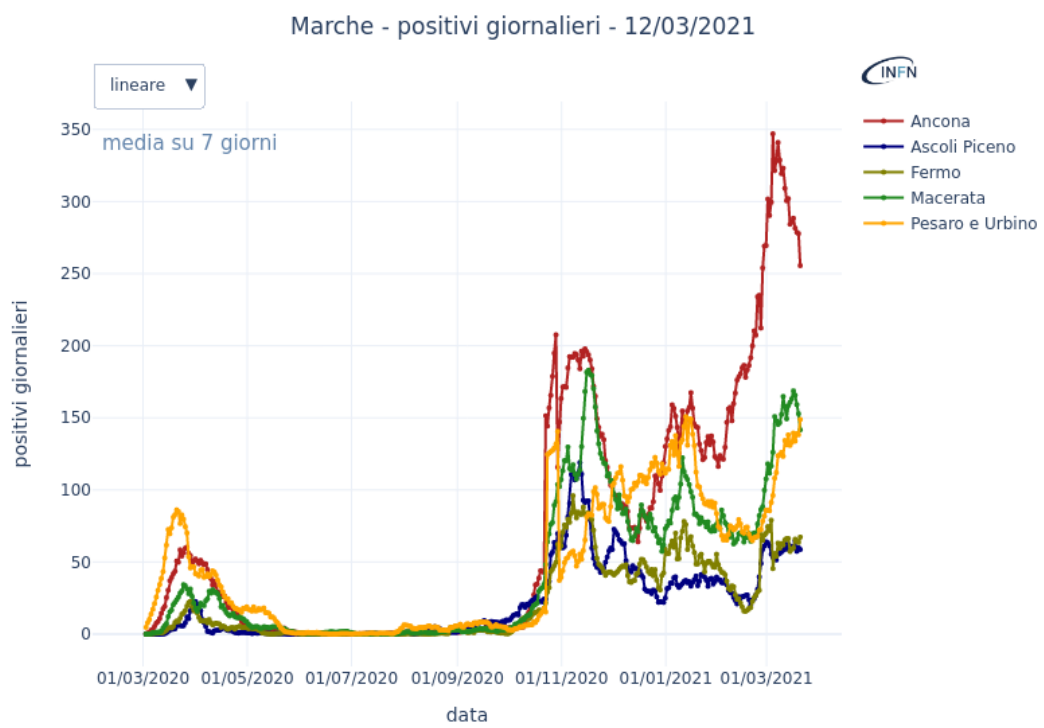


Fig. 50

Lazio - positivi e casi testati giornalieri - 30/03/2023

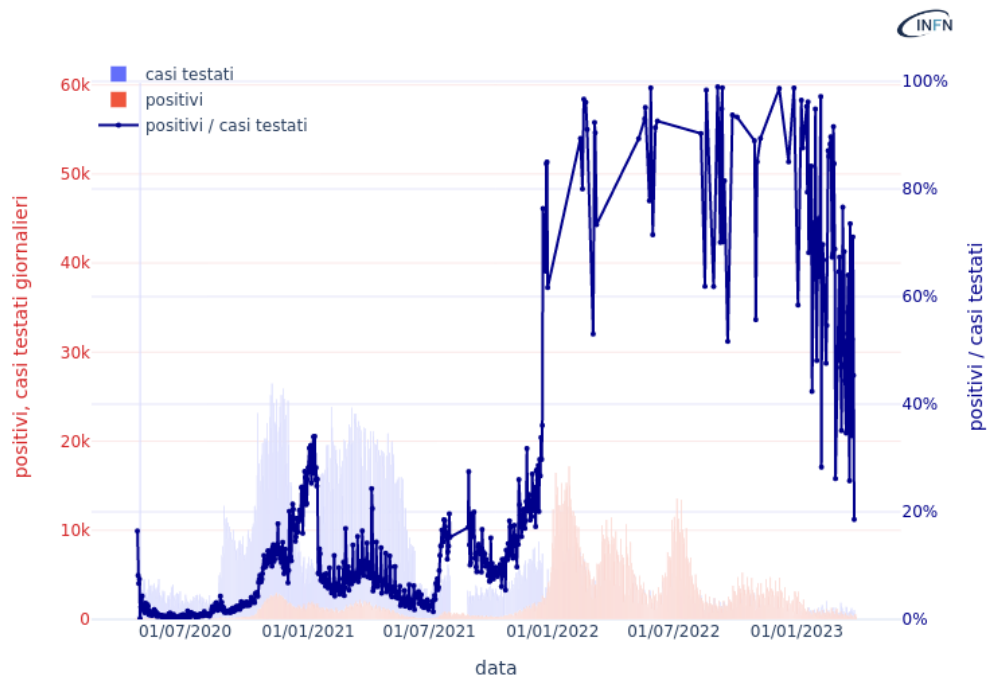


Fig. 51



Fig. 52

Dosi somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Sardegna

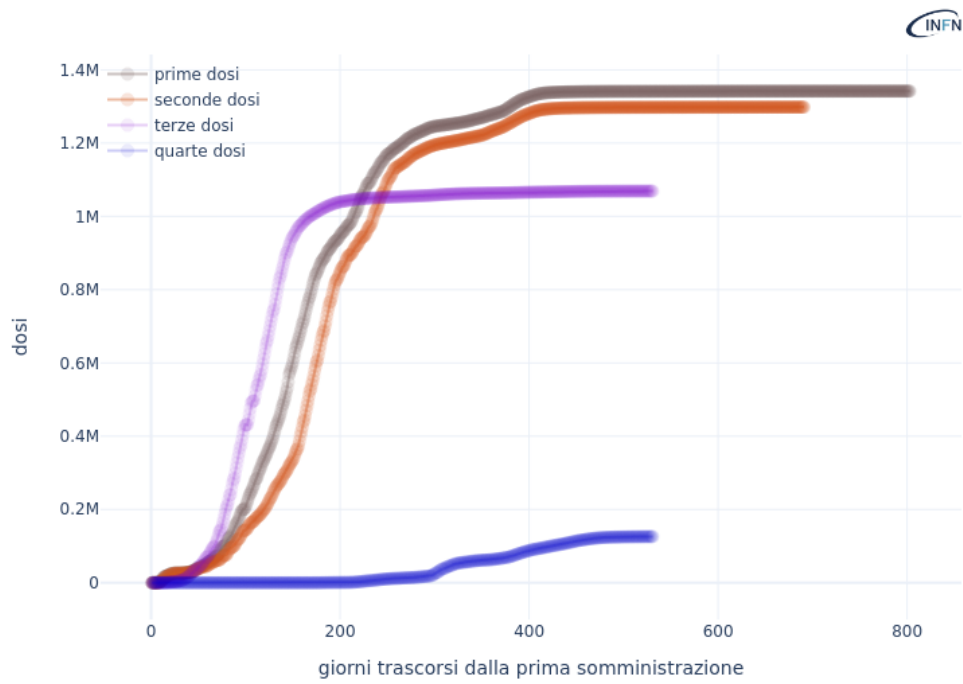


Fig. 53



Fig. 54



Fig. 55

### Dosi somministrate - Centro Italia

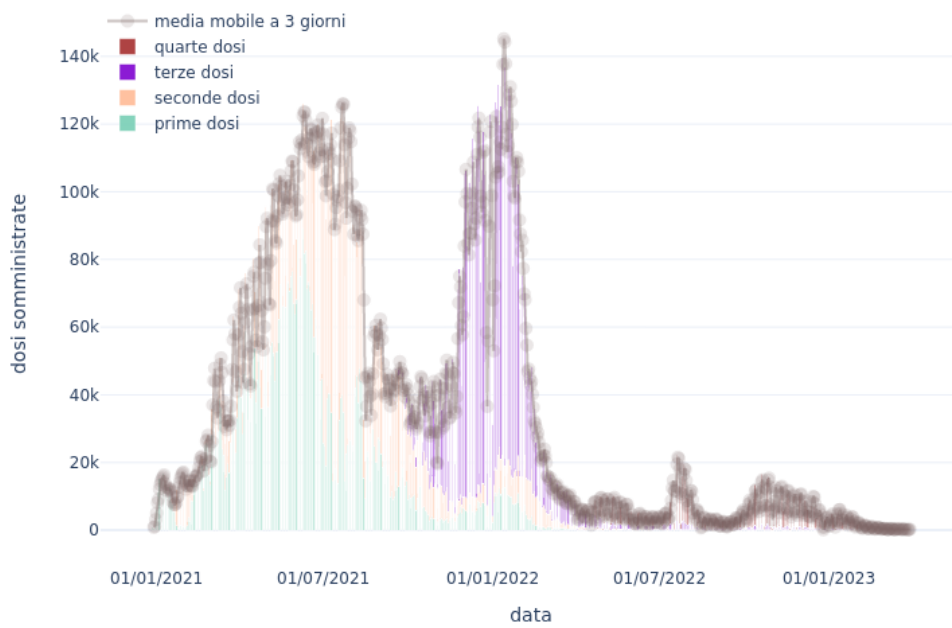


Fig. 56



Lazio - tempo di raddoppio totale ospedalizzati - 30/03/2023

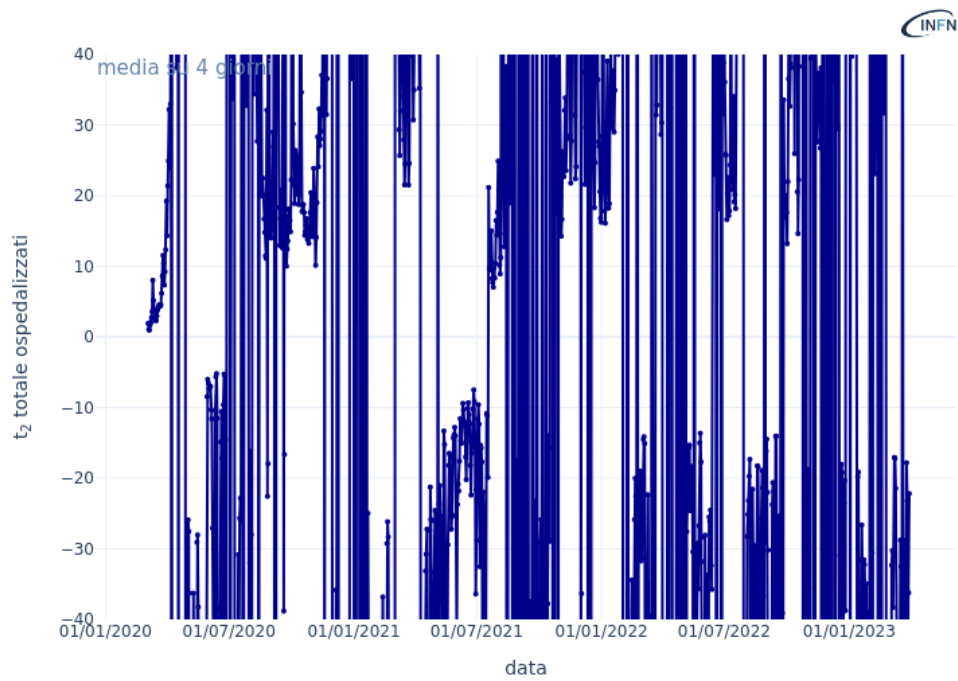


Fig. 57

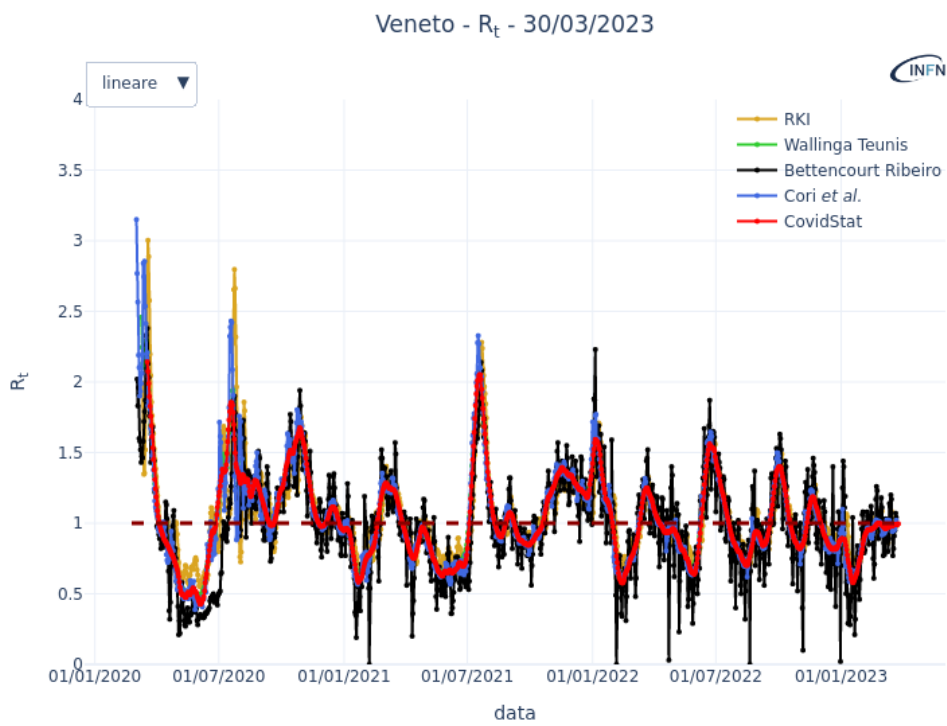


Fig. 58

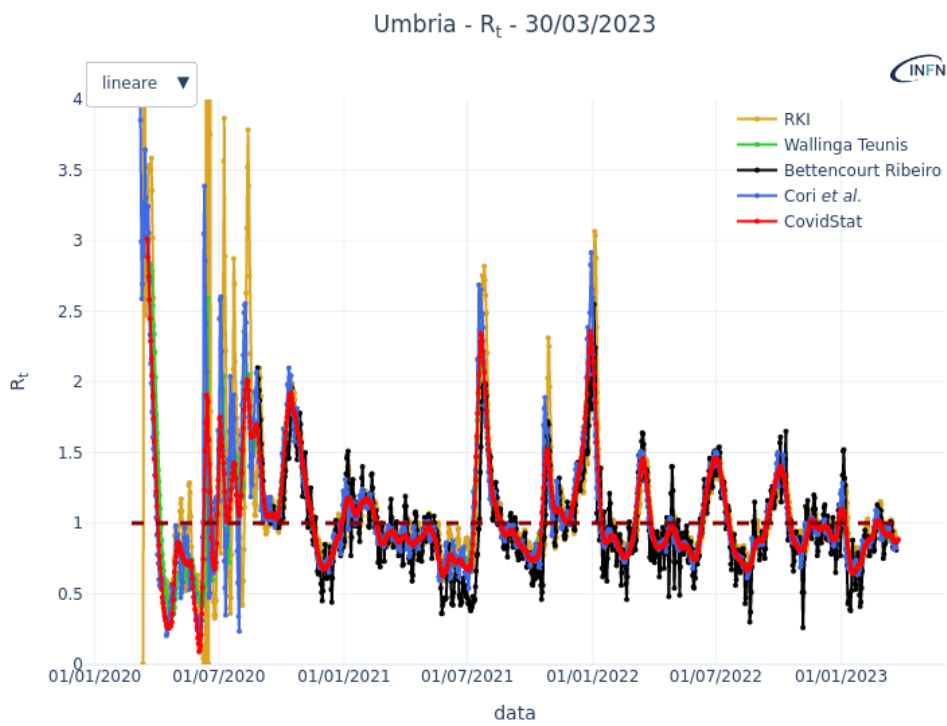


Fig. 59

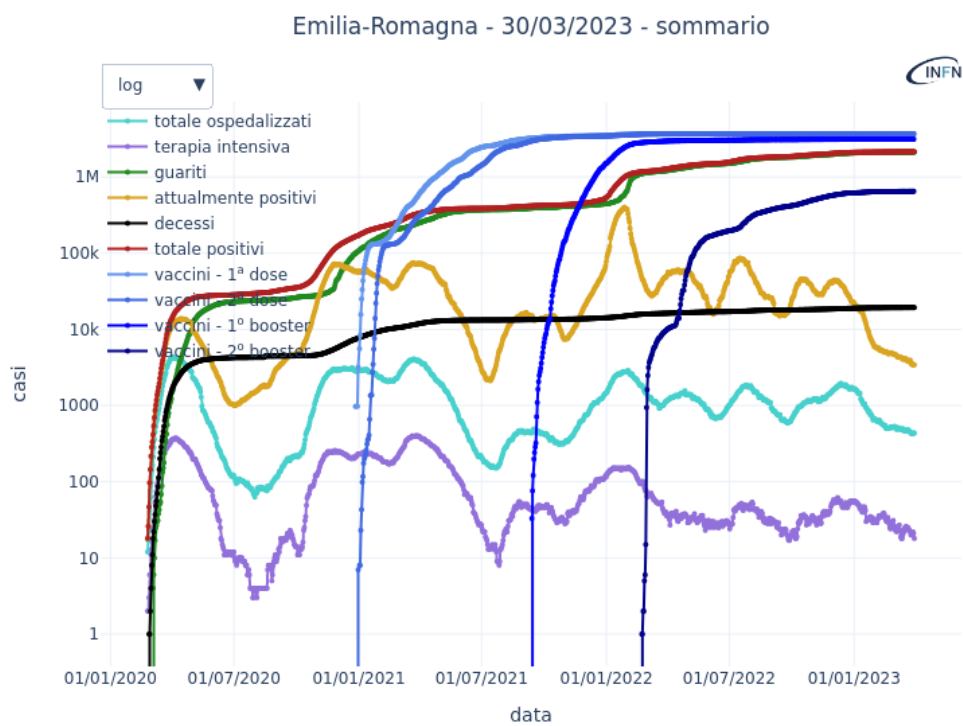


Fig. 60

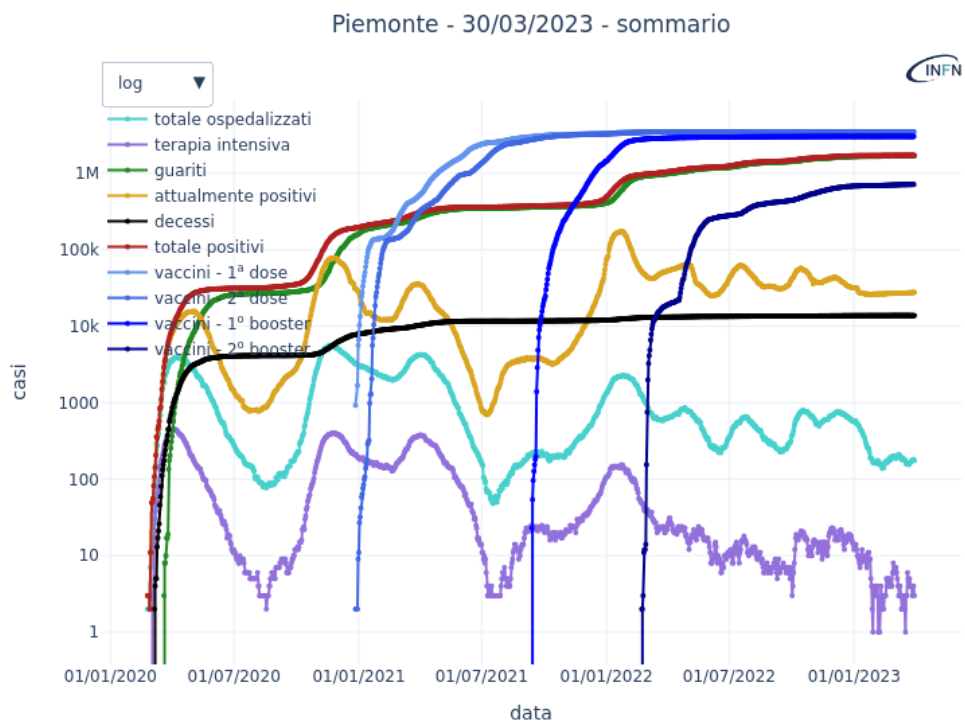


Fig. 61

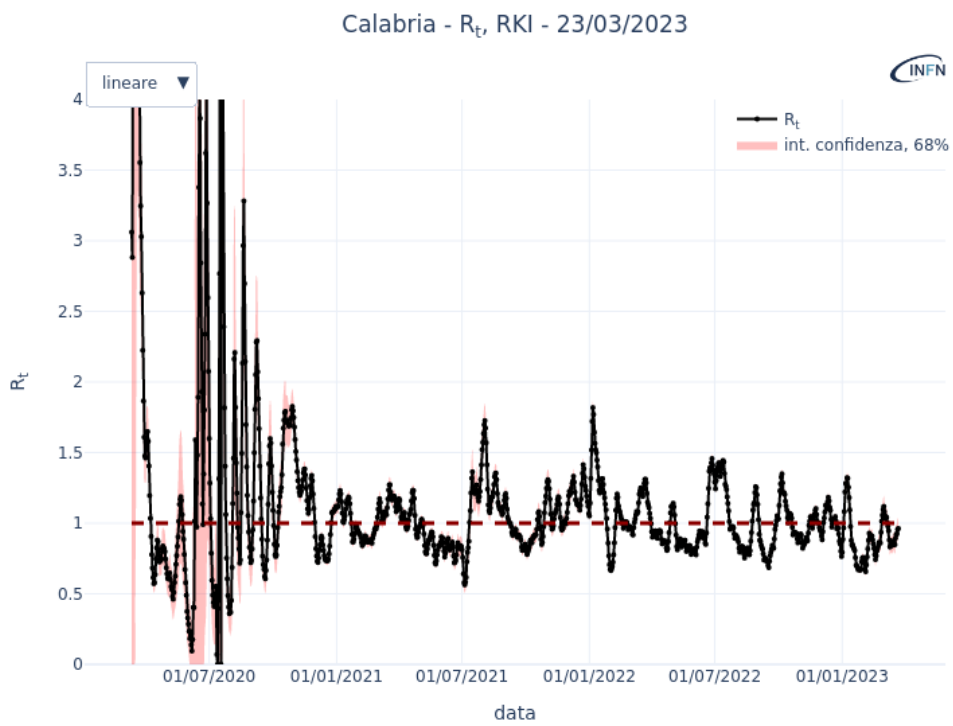


Fig. 62

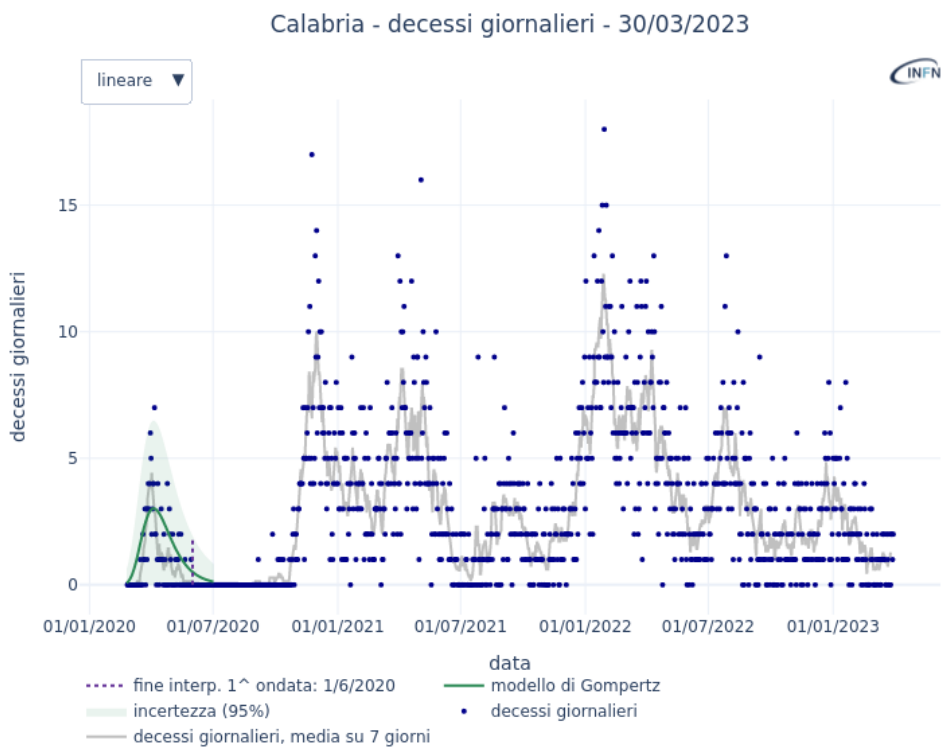


Fig. 63



Fig. 64



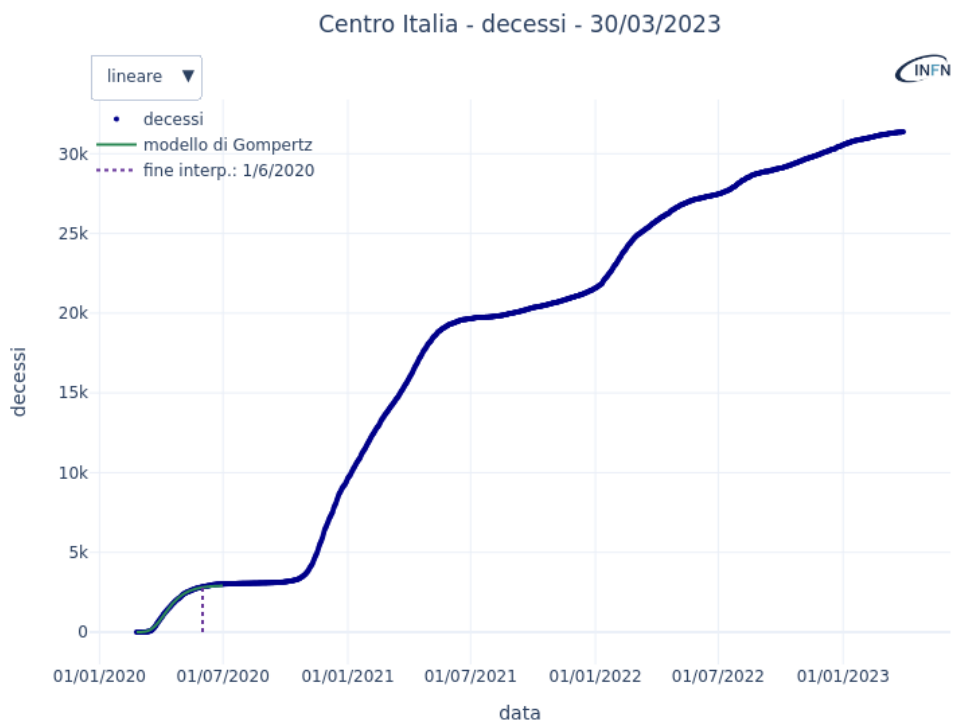


Fig. 65

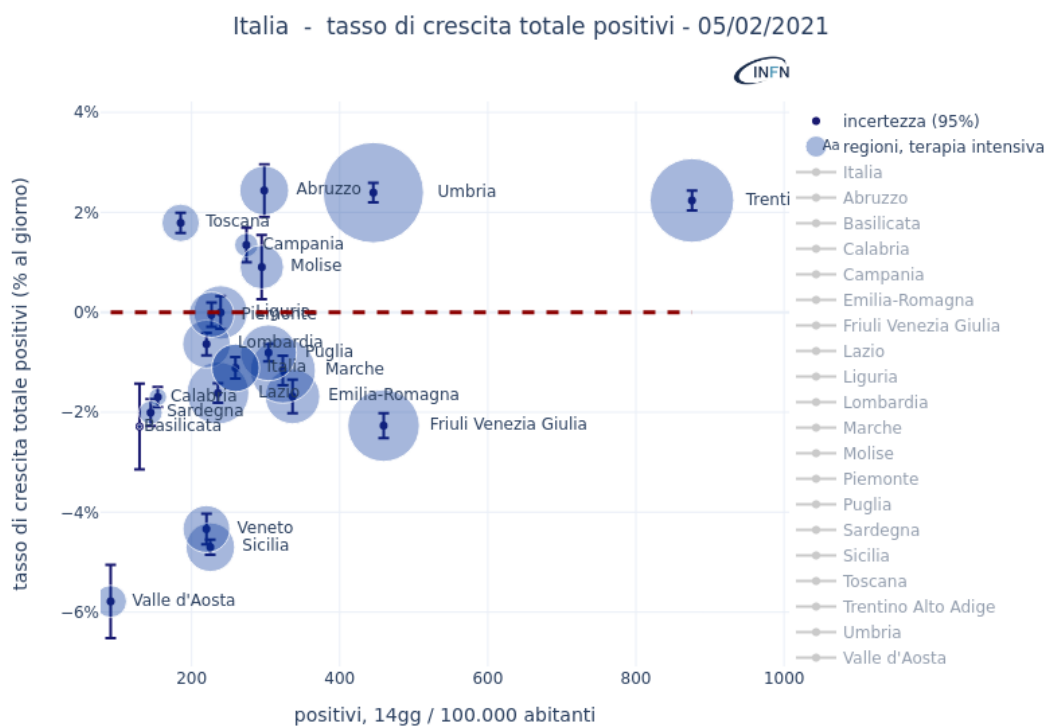


Fig. 66



Fig. 67

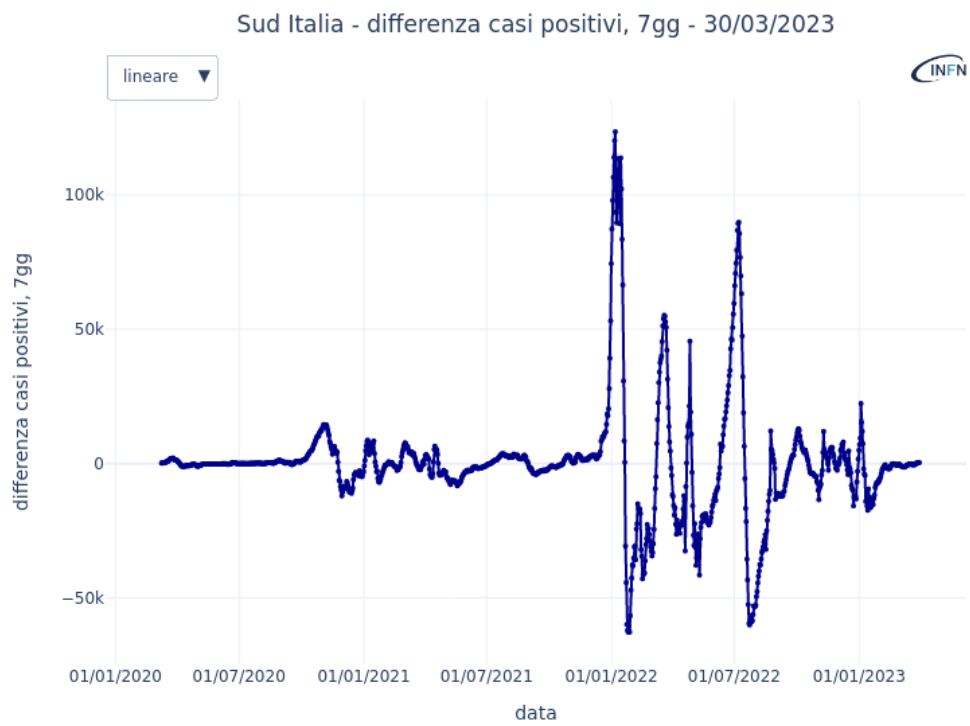


Fig. 68

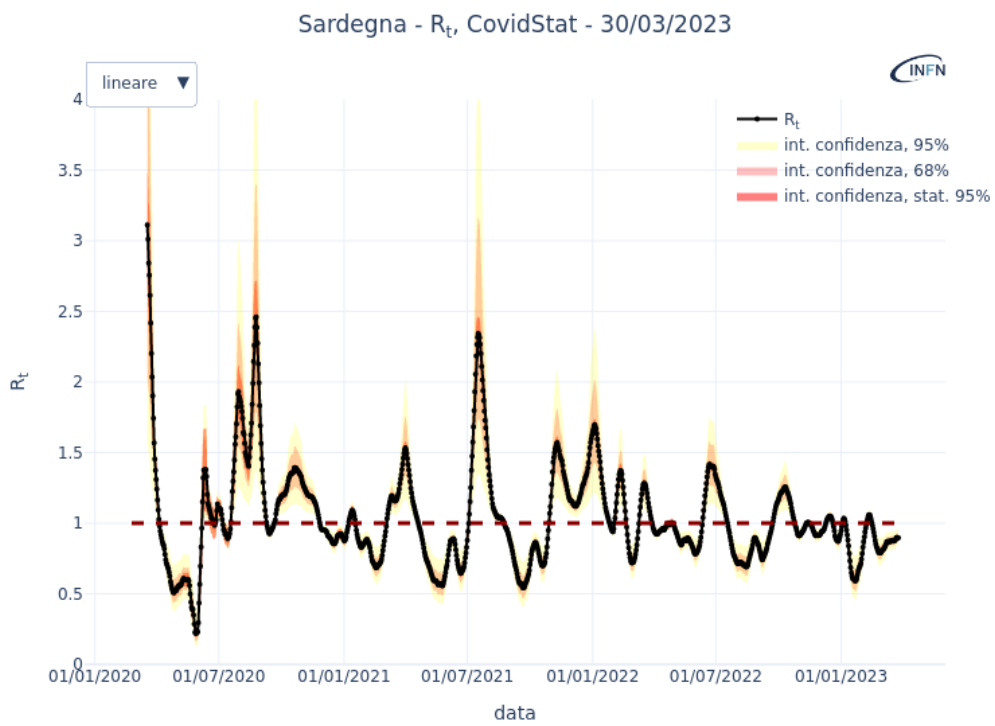


Fig. 69

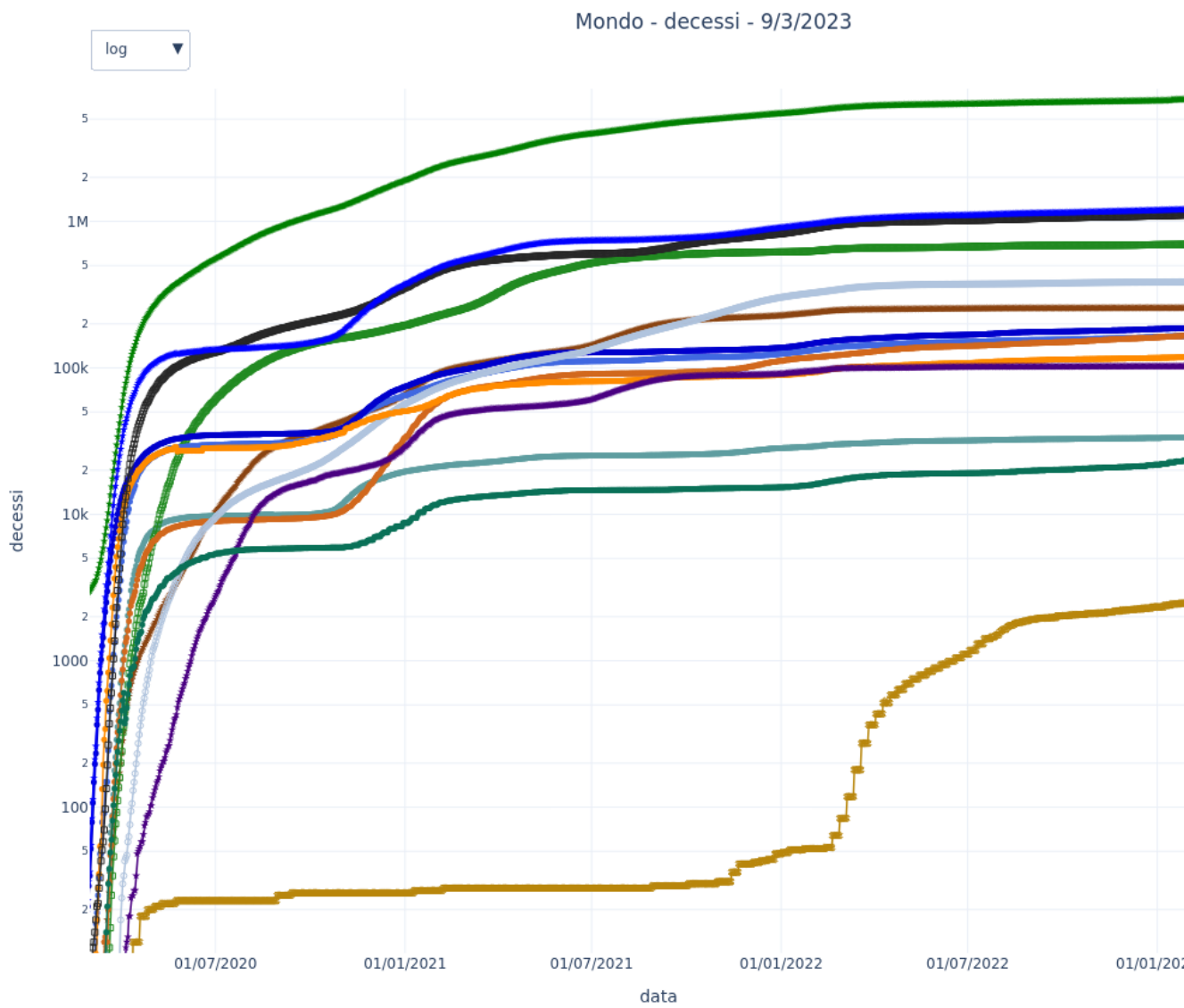


Fig. 70

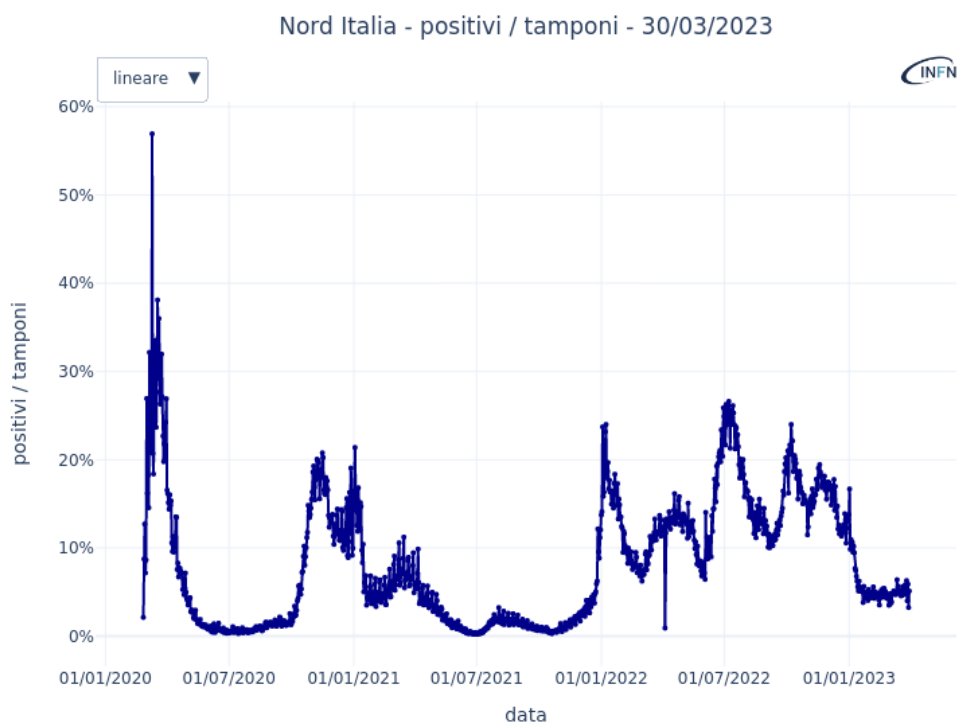


Fig. 71

Lombardia - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

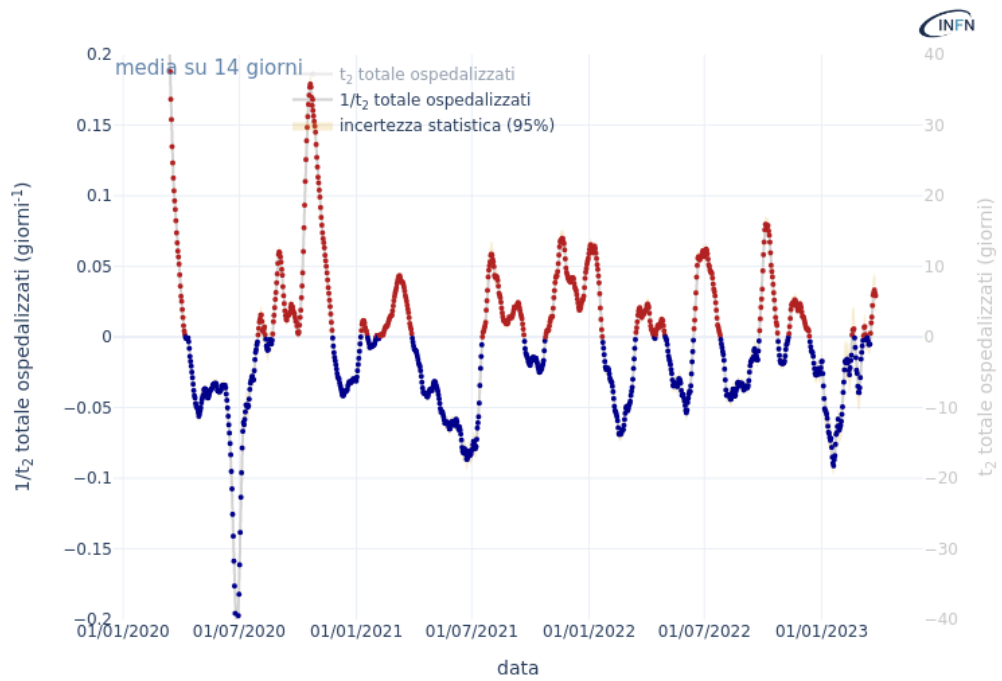


Fig. 72



Puglia - tempo di raddoppio (inverso) decessi - 30/03/2023

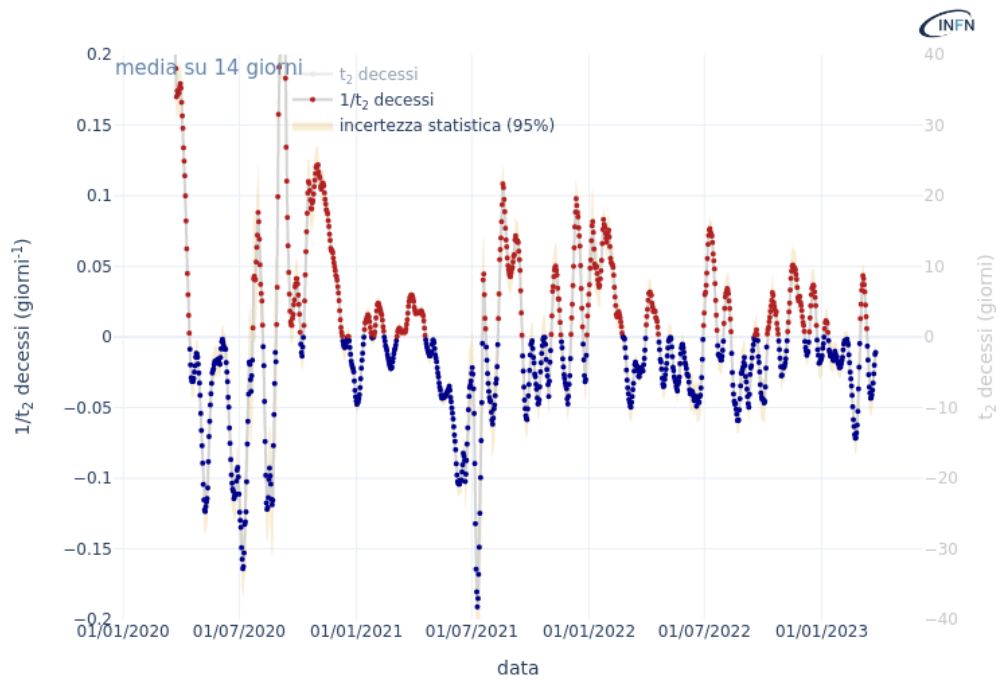


Fig. 73

Umbria - tempo di raddoppio terapia intensiva - 30/03/2023

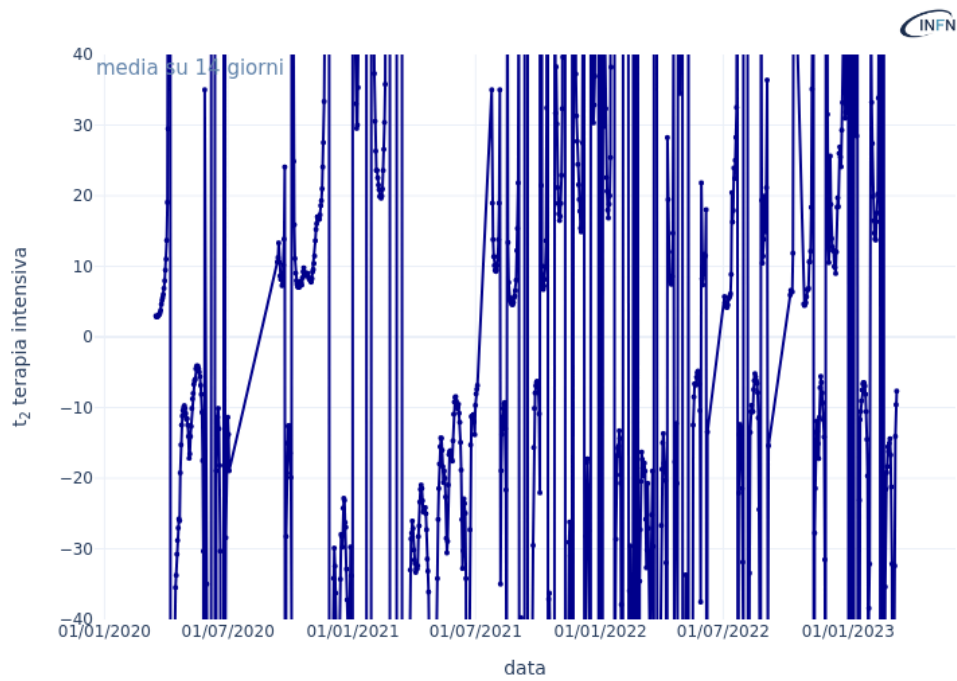


Fig. 74

Friuli Venezia Giulia - positivi giornalieri - residui - 30/03/2023

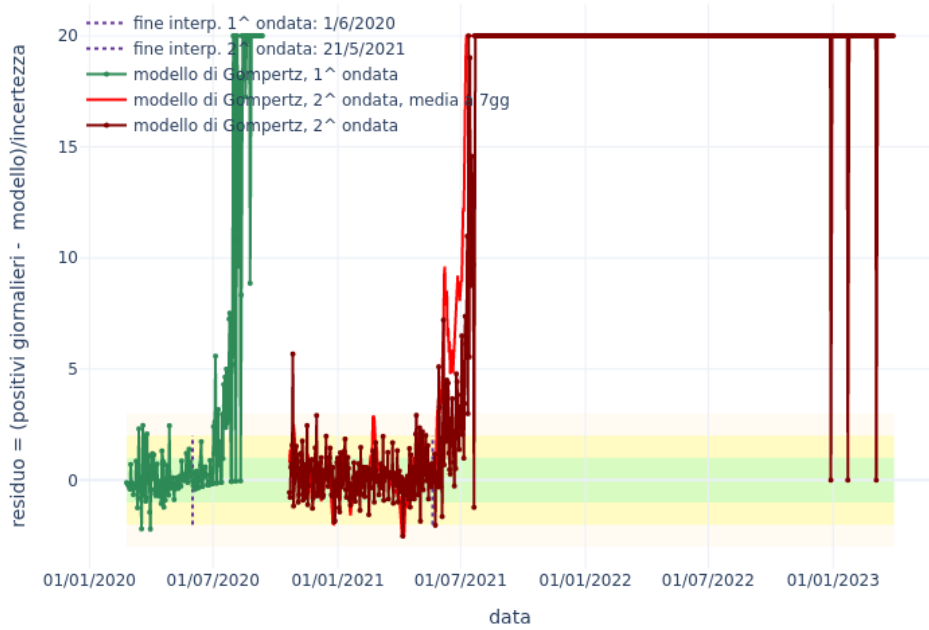


Fig. 75

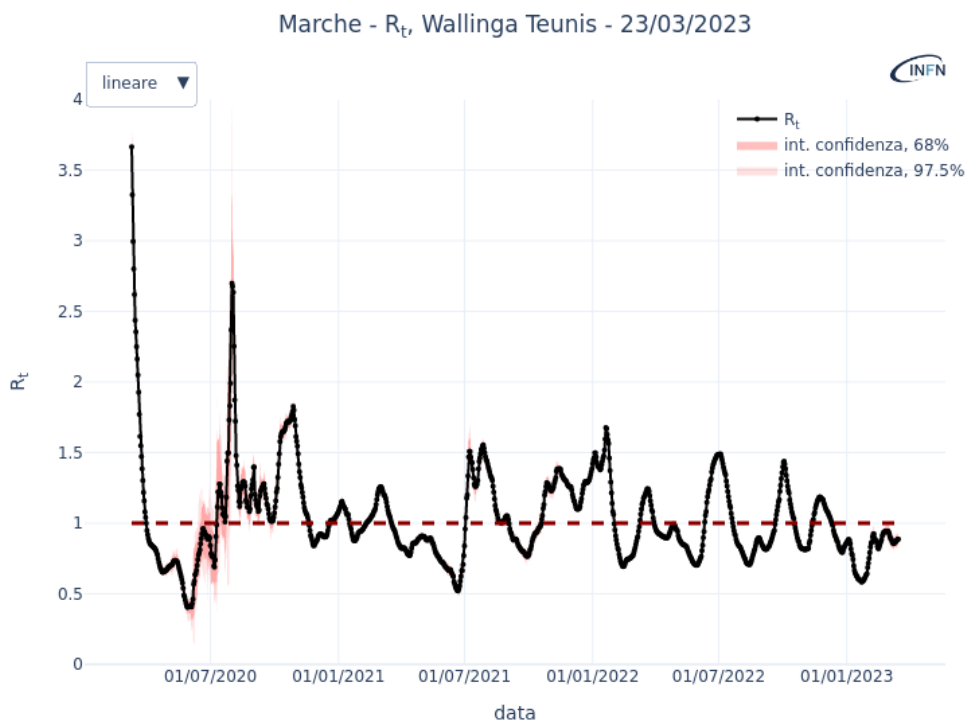


Fig. 76



Fig. 77

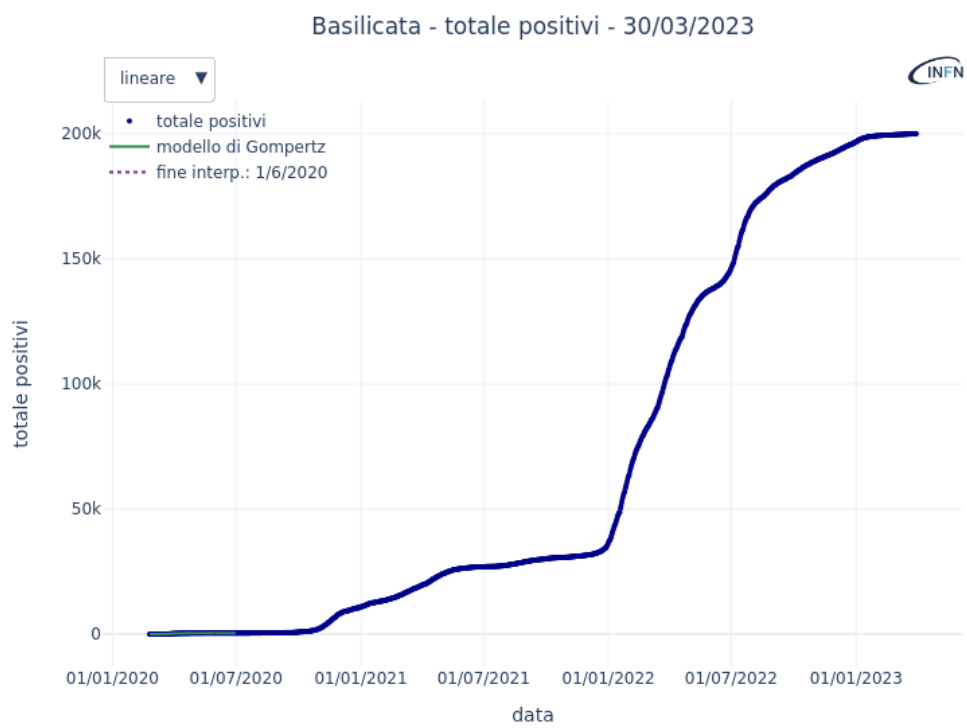


Fig. 78

Lazio - tempo di raddoppio (inverso) decessi - 30/03/2023

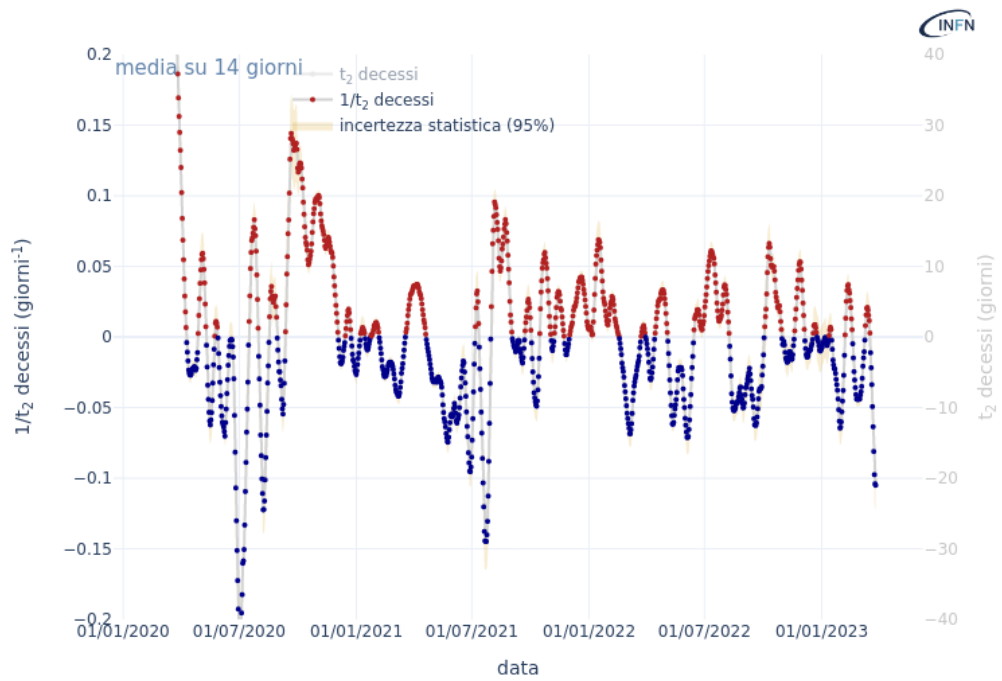


Fig. 79

Piemonte - tempo di raddoppio totale ospedalizzati - 30/03/2023

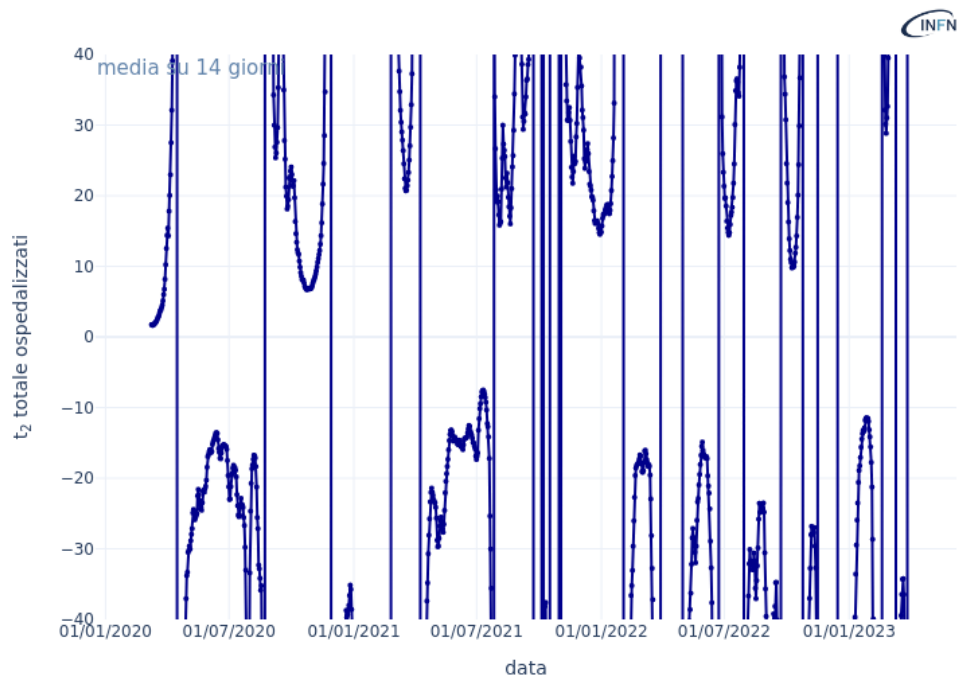


Fig. 80



P.A. Trento - tasso di crescita totale positivi - 30/03/2023

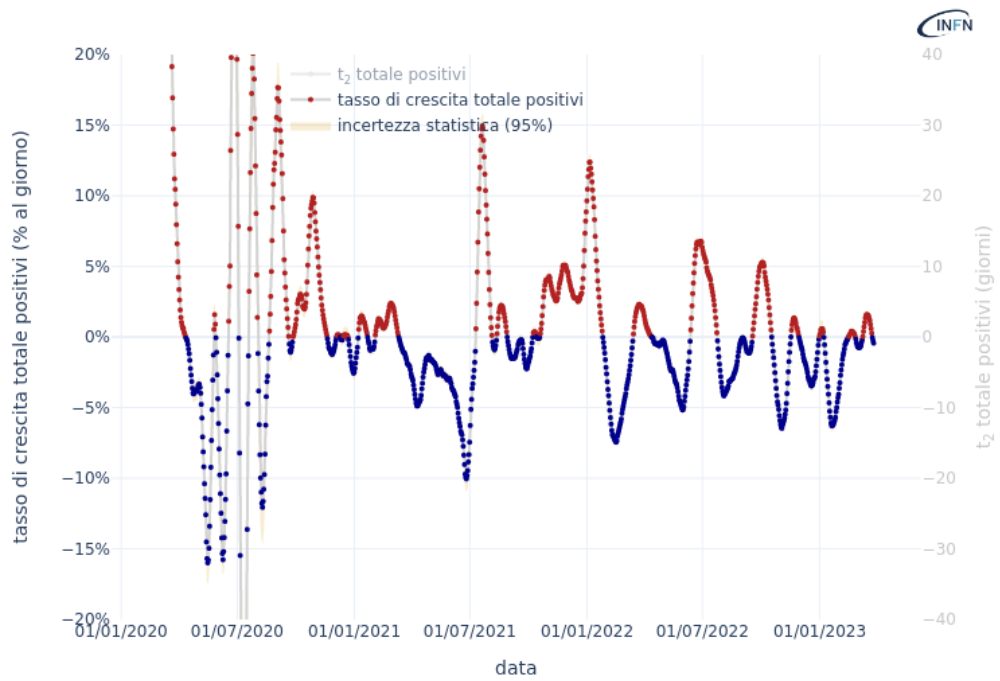


Fig. 81

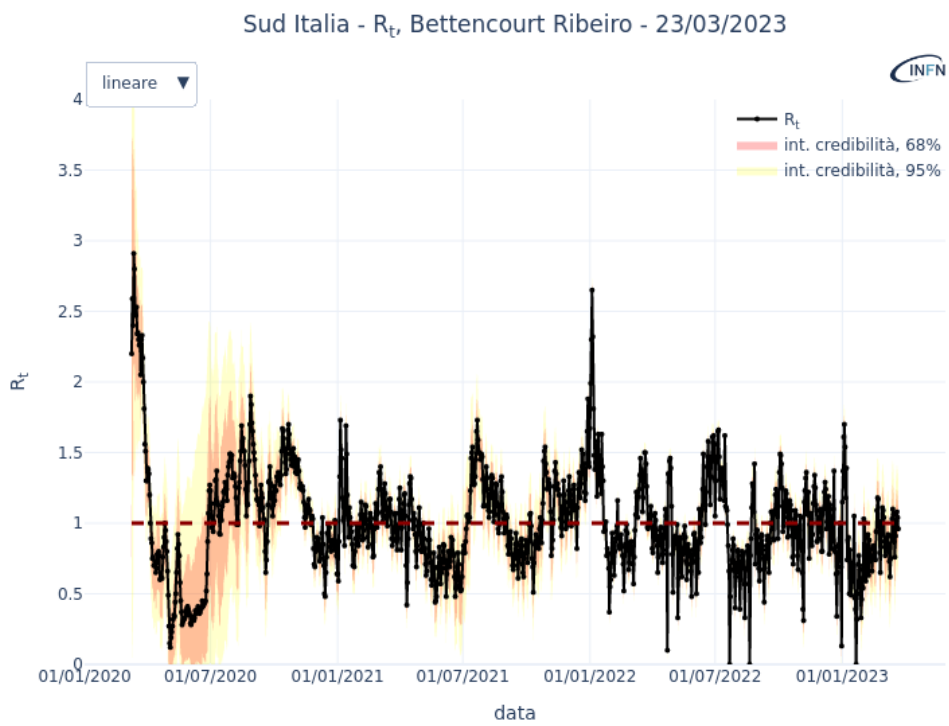


Fig. 82

Sud Italia - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

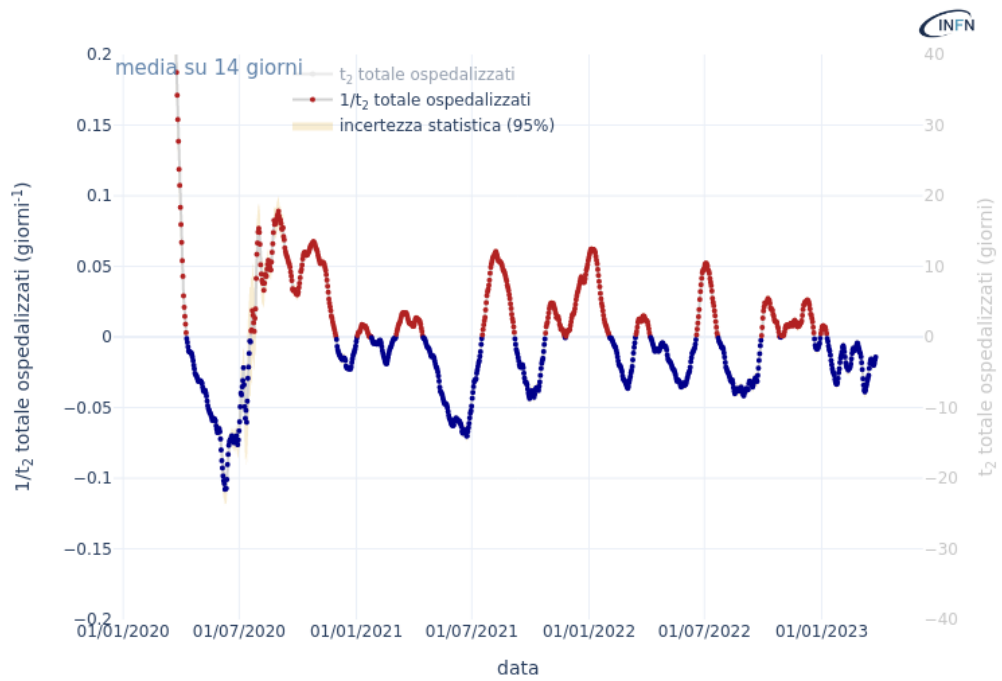


Fig. 83

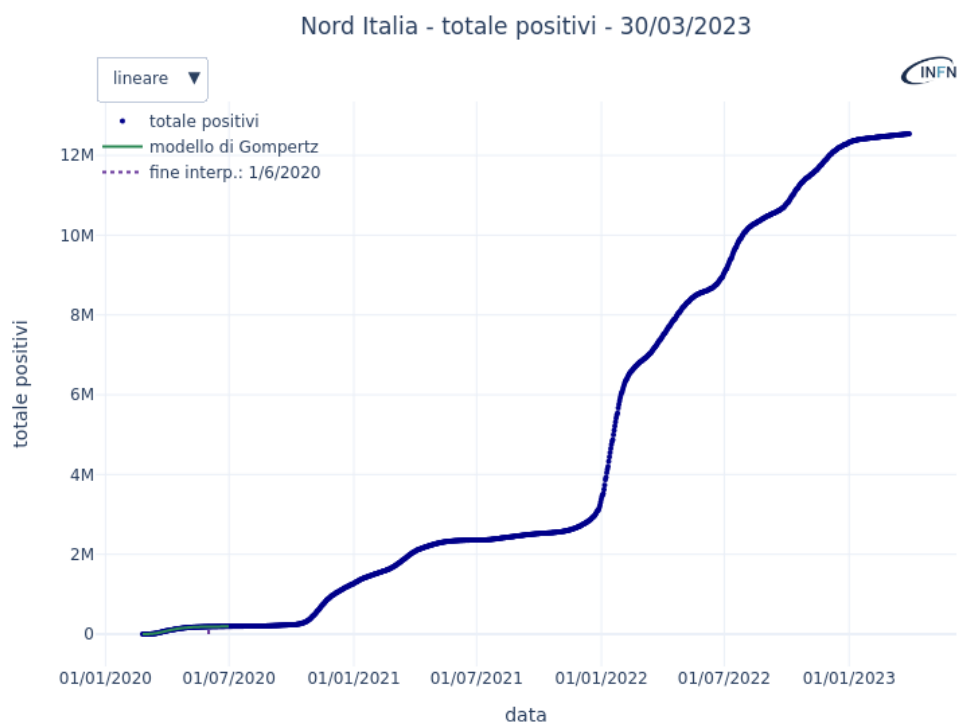


Fig. 84

Sardegna - tasso di crescita decessi - 30/03/2023

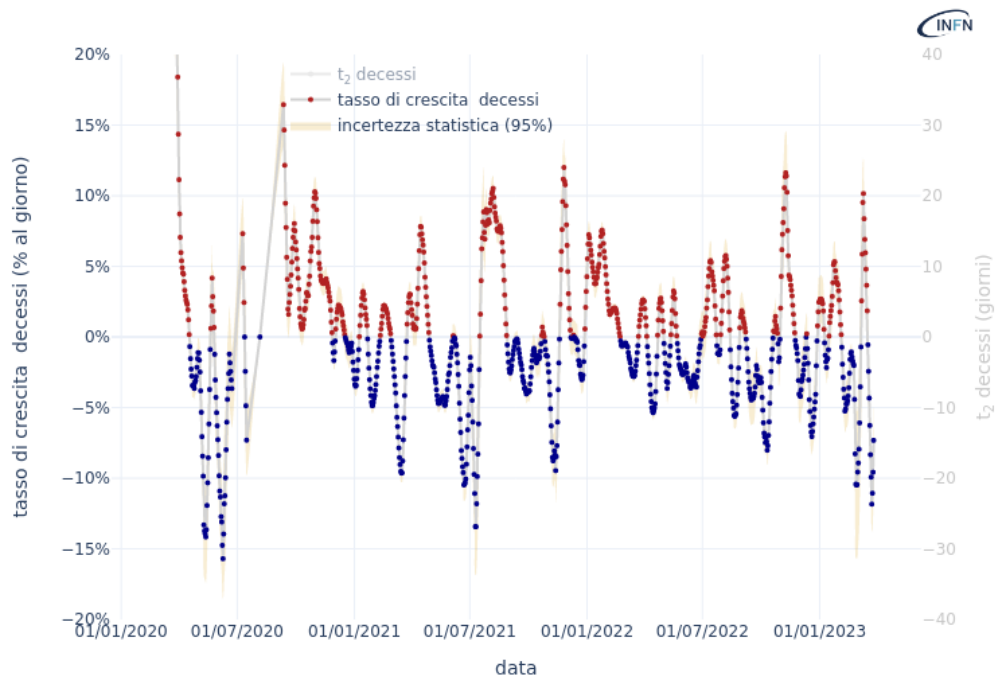


Fig. 85

Italia - positivi giornalieri - 06/04/2021

media su 7 giorni

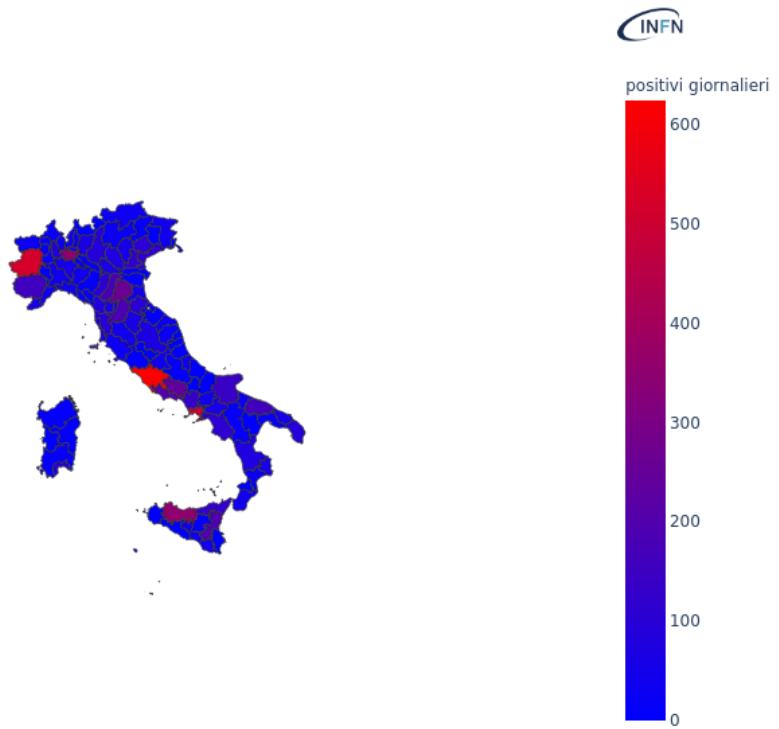


Fig. 86

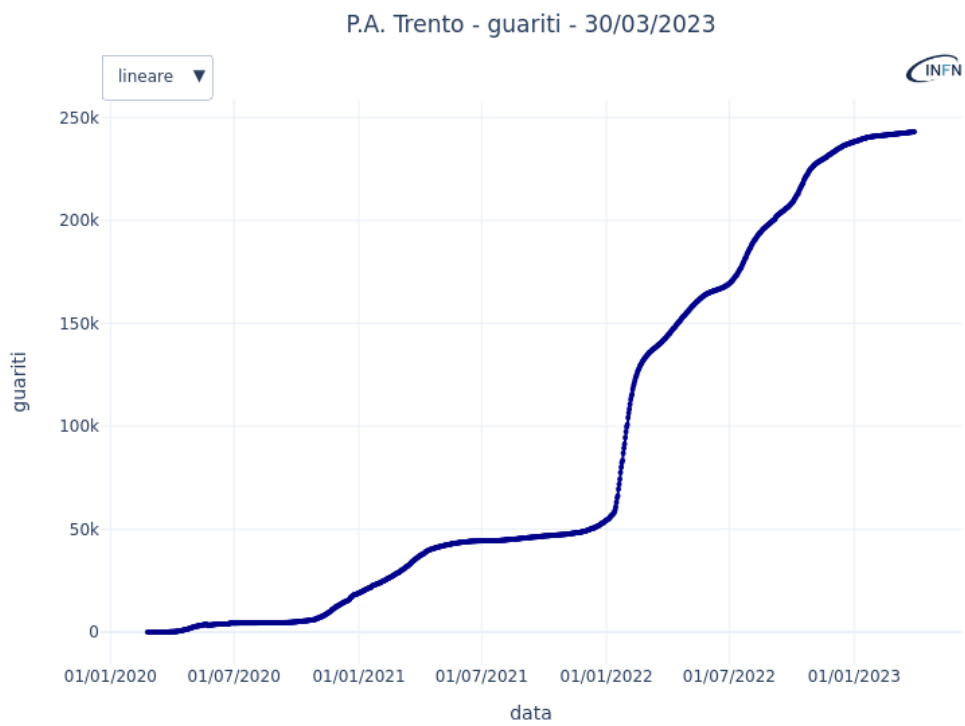


Fig. 87

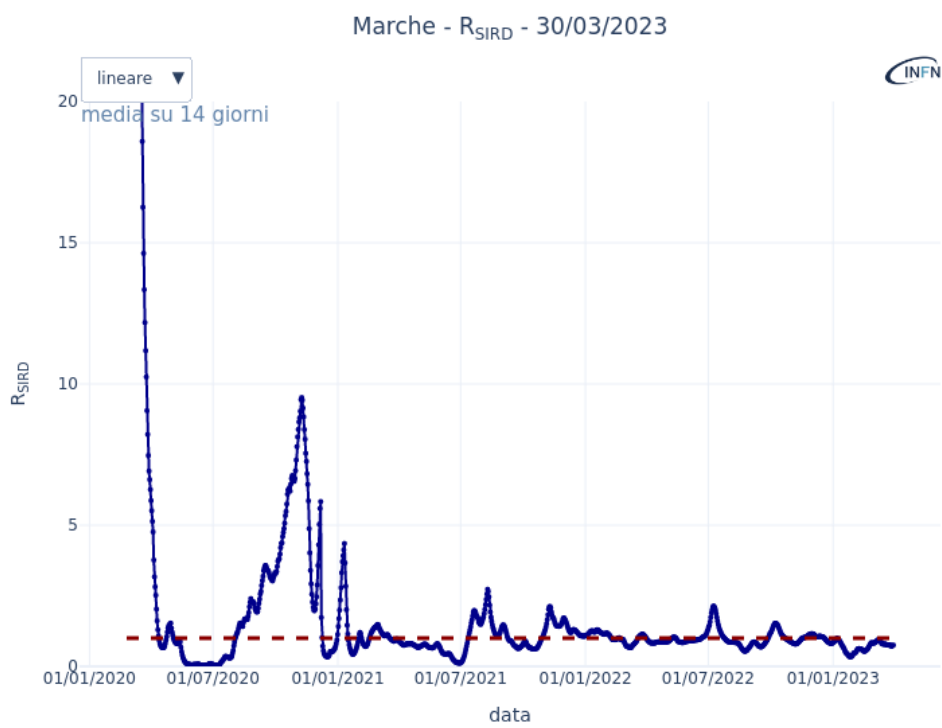


Fig. 88





Fig. 89

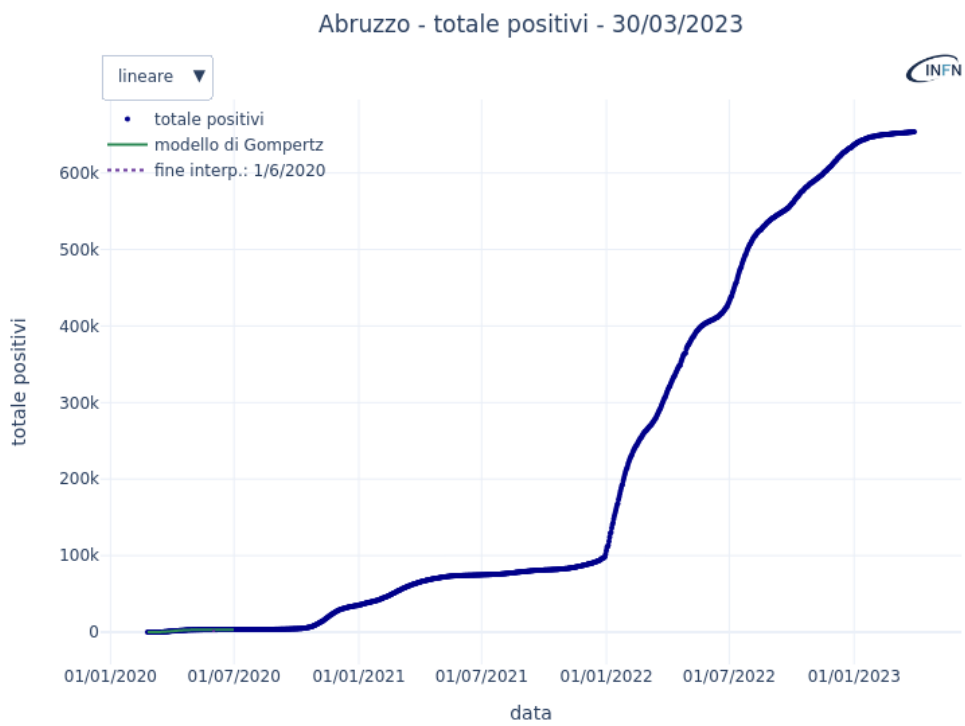


Fig. 90

Piemonte - tasso di crescita totale positivi - 30/03/2023

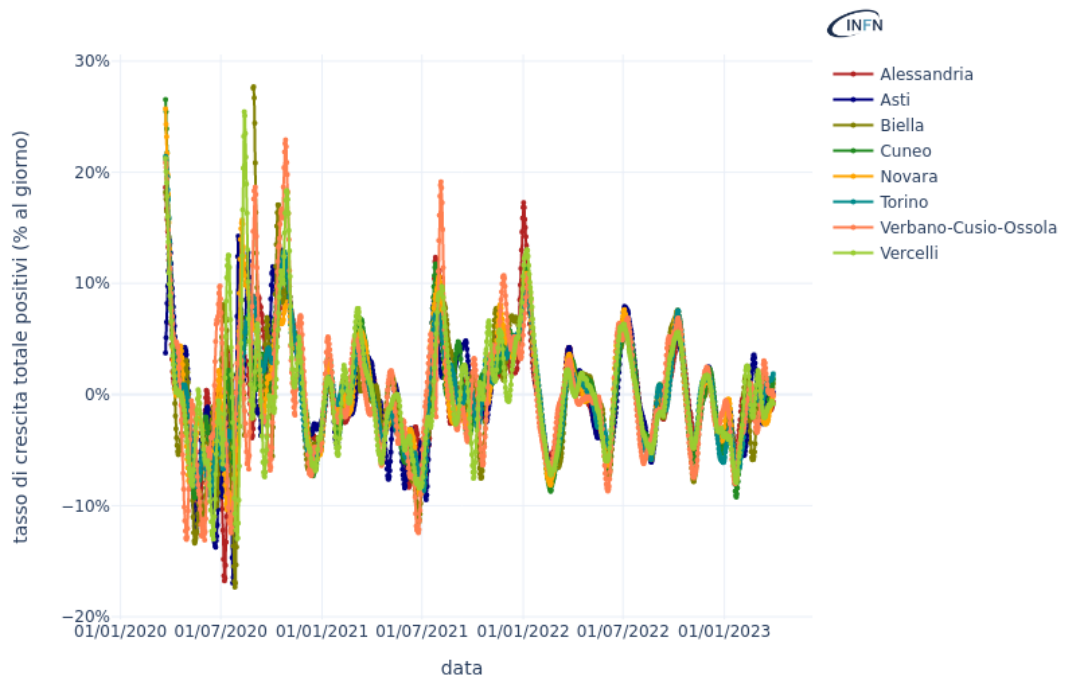


Fig. 91

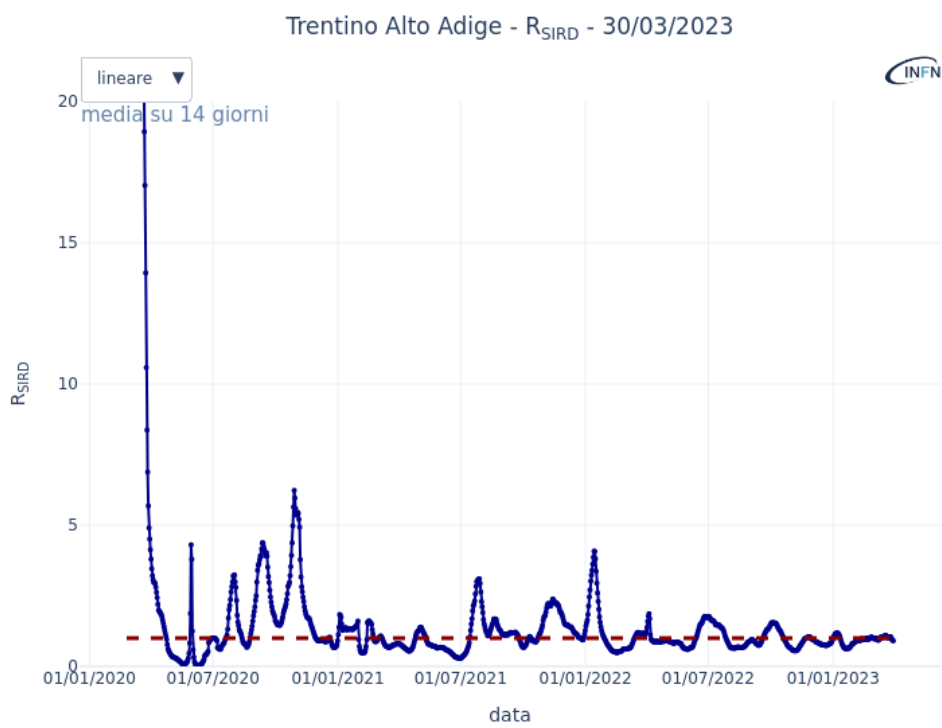


Fig. 92

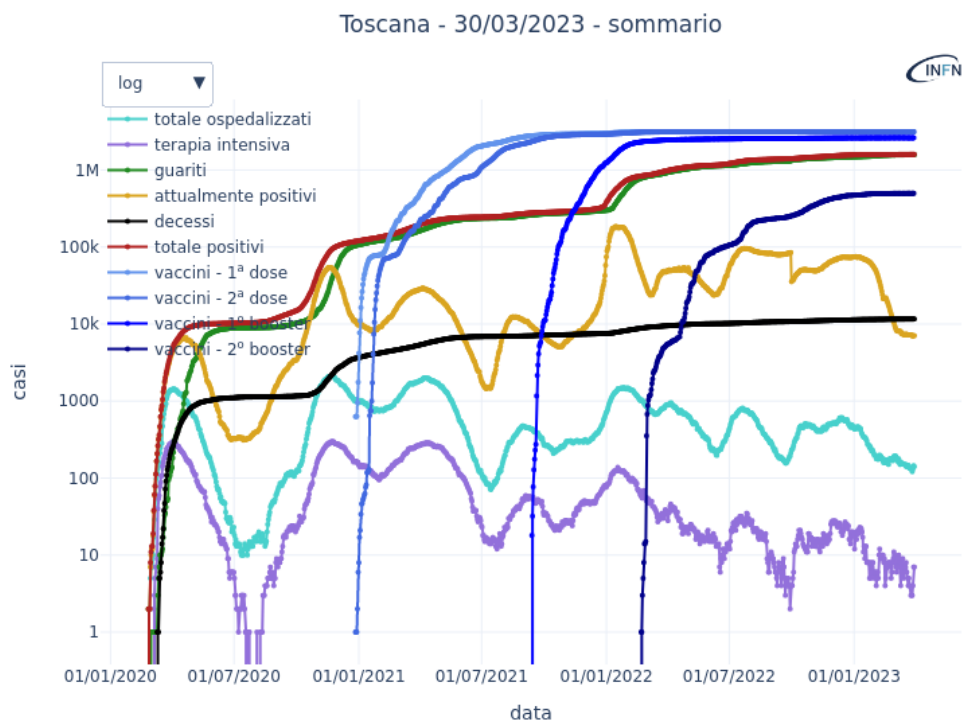


Fig. 93

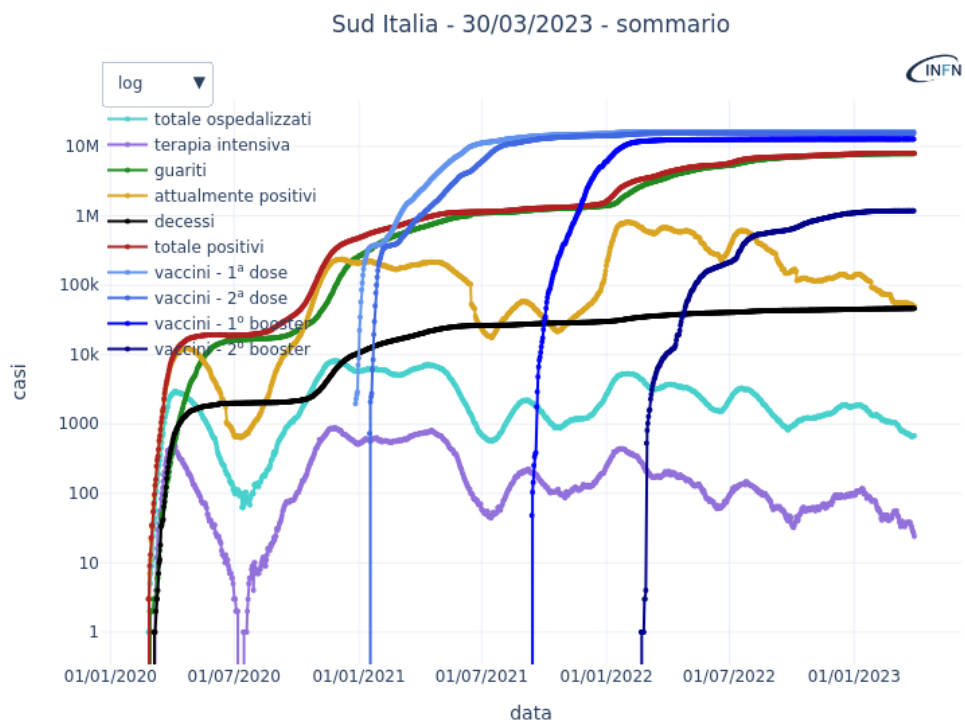


Fig. 94

Liguria - tempo di raddoppio terapia intensiva - 30/03/2023

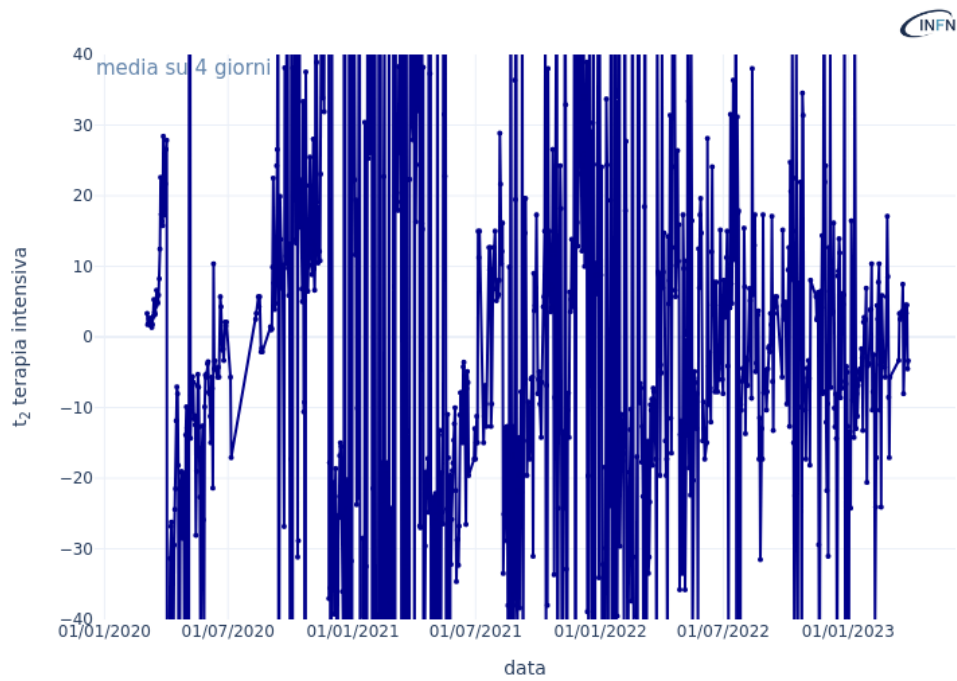


Fig. 95

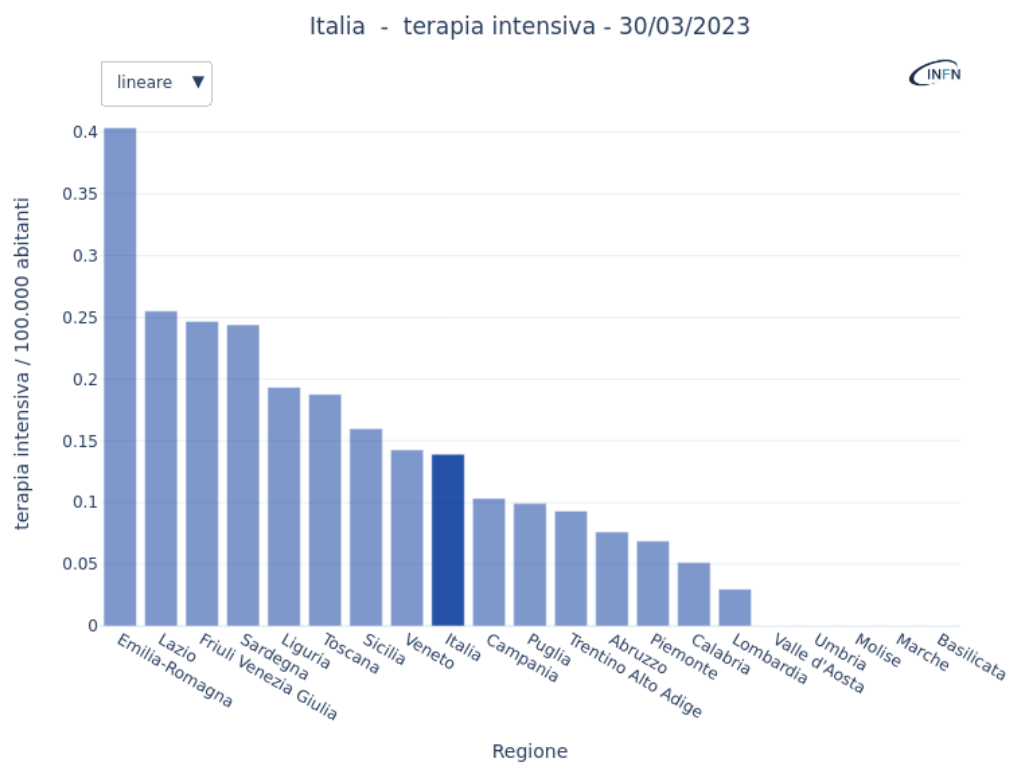


Fig. 96





Fig. 97

P.A. Trento - tempo di raddoppio terapia intensiva - 30/03/2023

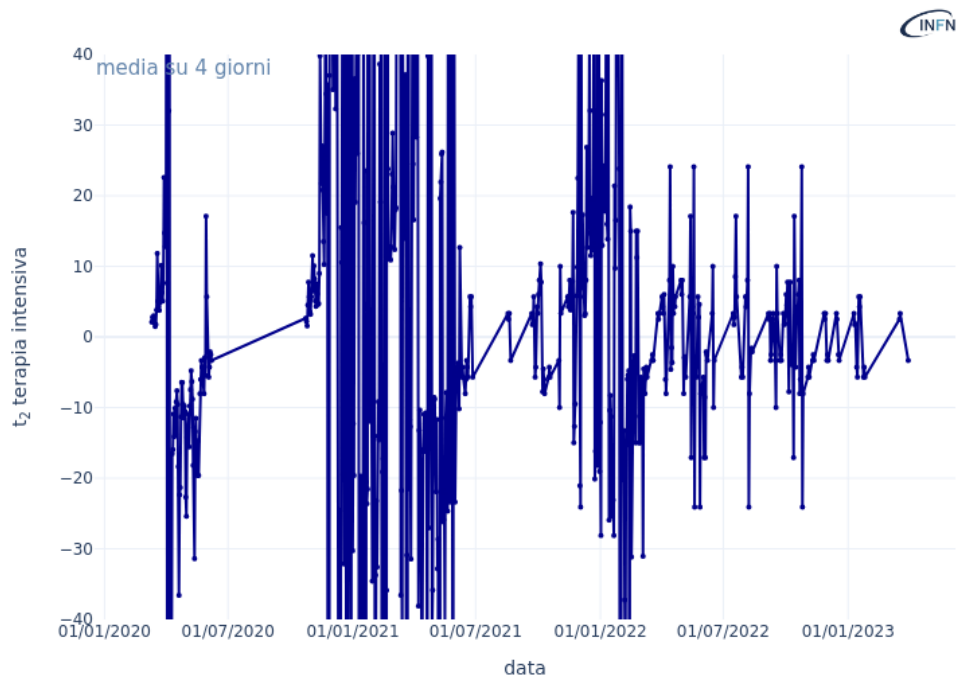


Fig. 98

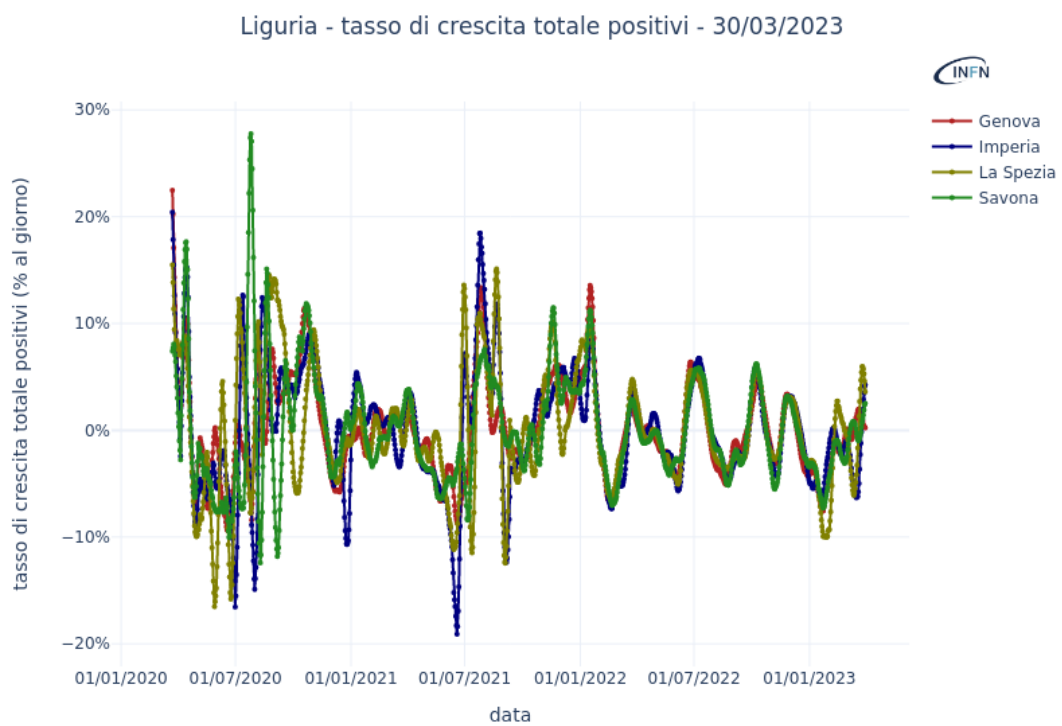


Fig. 99

Calabria - positivi giornalieri - residui - 30/03/2023

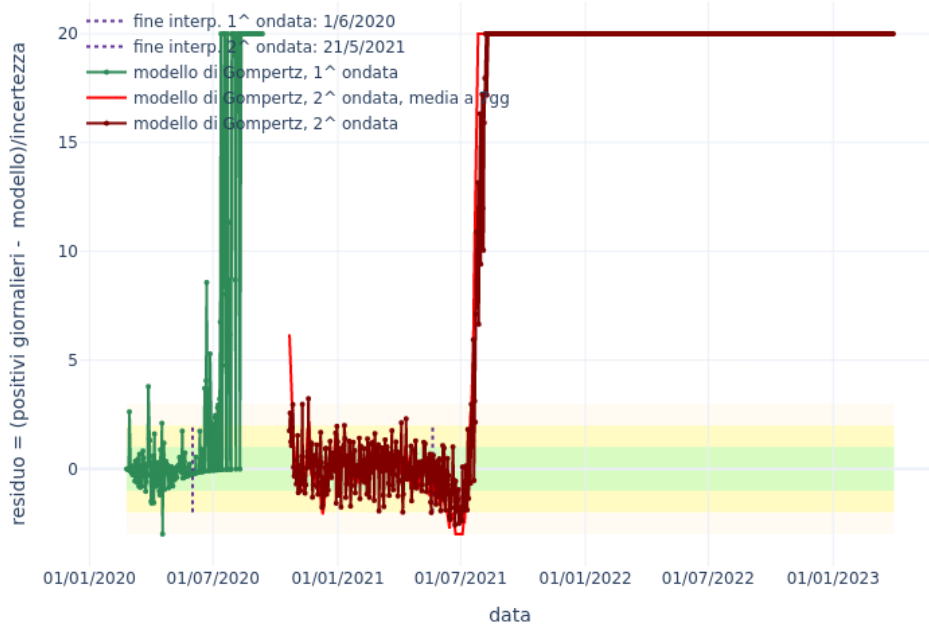


Fig. 100

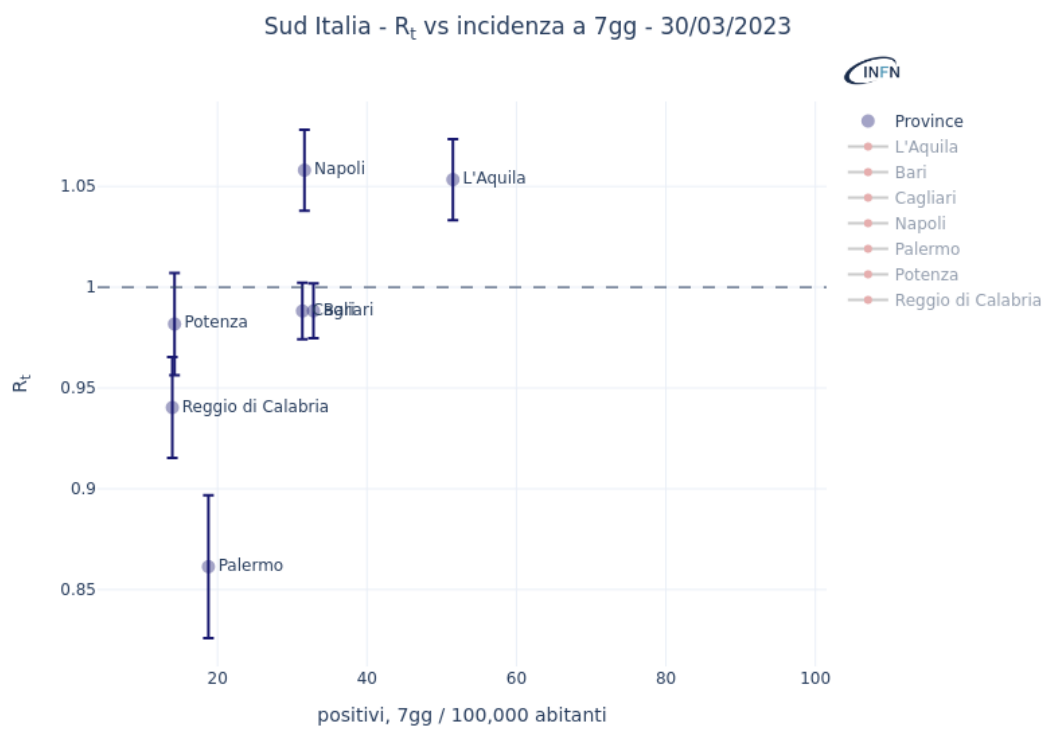


Fig. 101

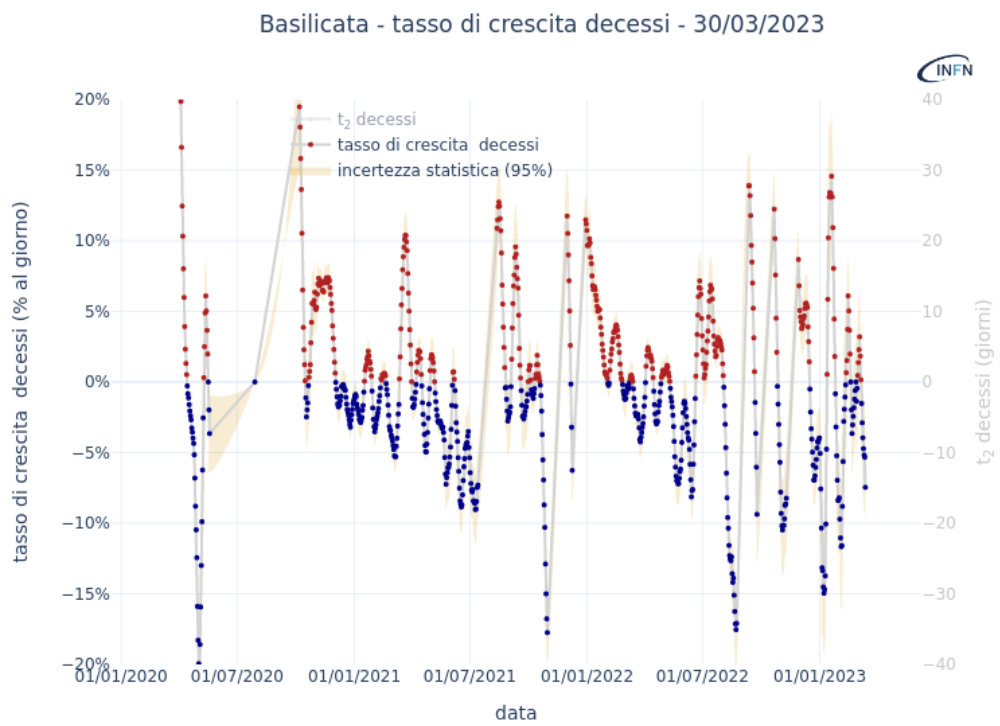


Fig. 102



Fig. 103

Umbria - incidenza della vaccinazione per fascia d'età

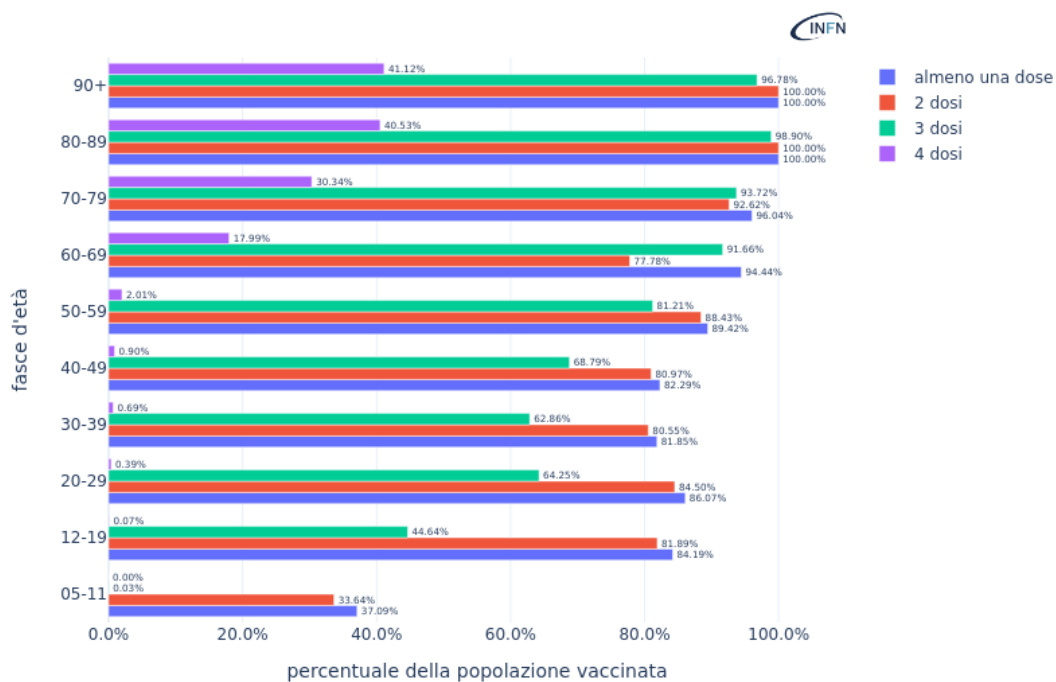


Fig. 104



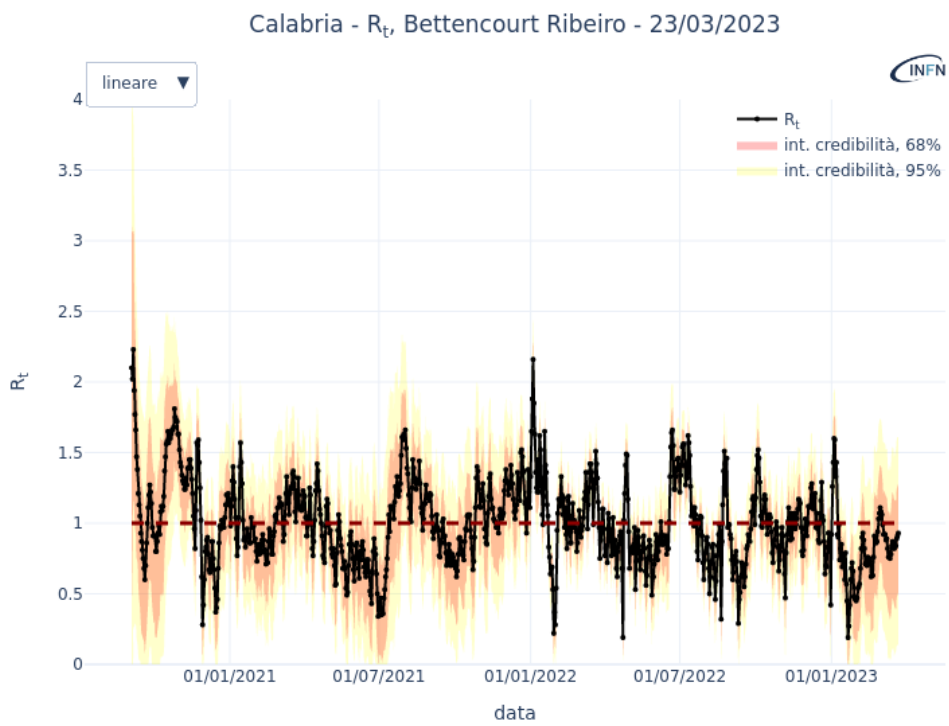


Fig. 105

Emilia-Romagna - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

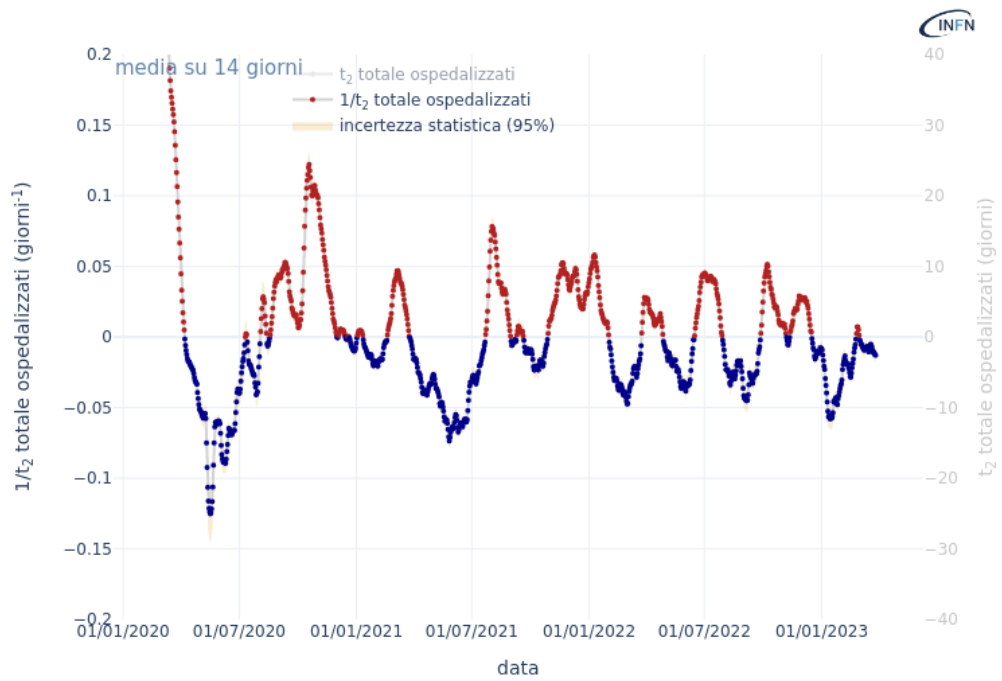


Fig. 106

Italia - tempo di raddoppio terapia intensiva - 30/03/2023

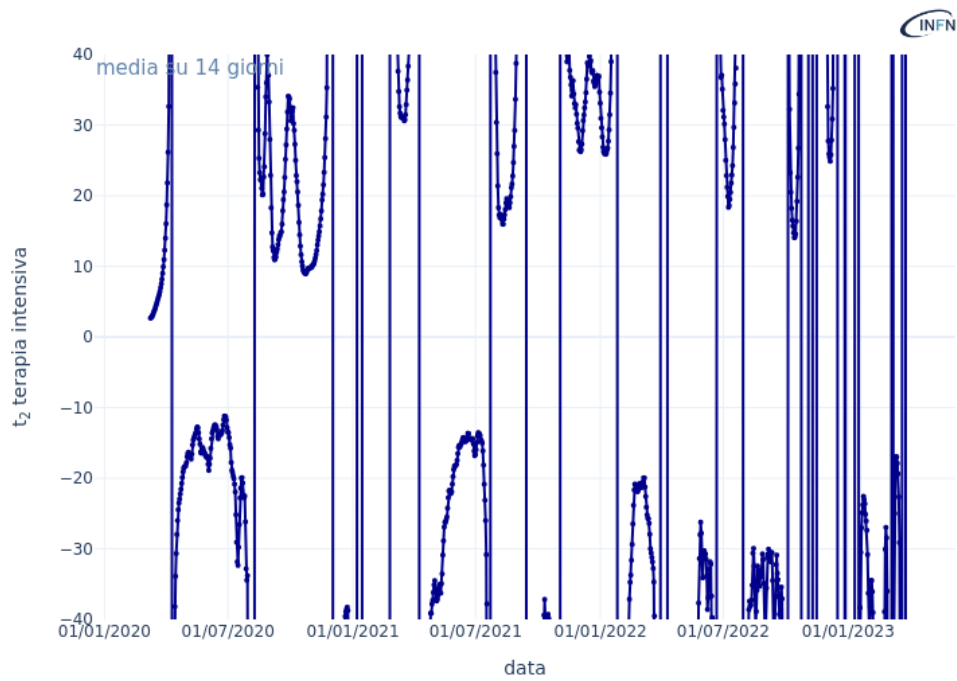


Fig. 107

Lazio - positivi giornalieri - residui - 30/03/2023

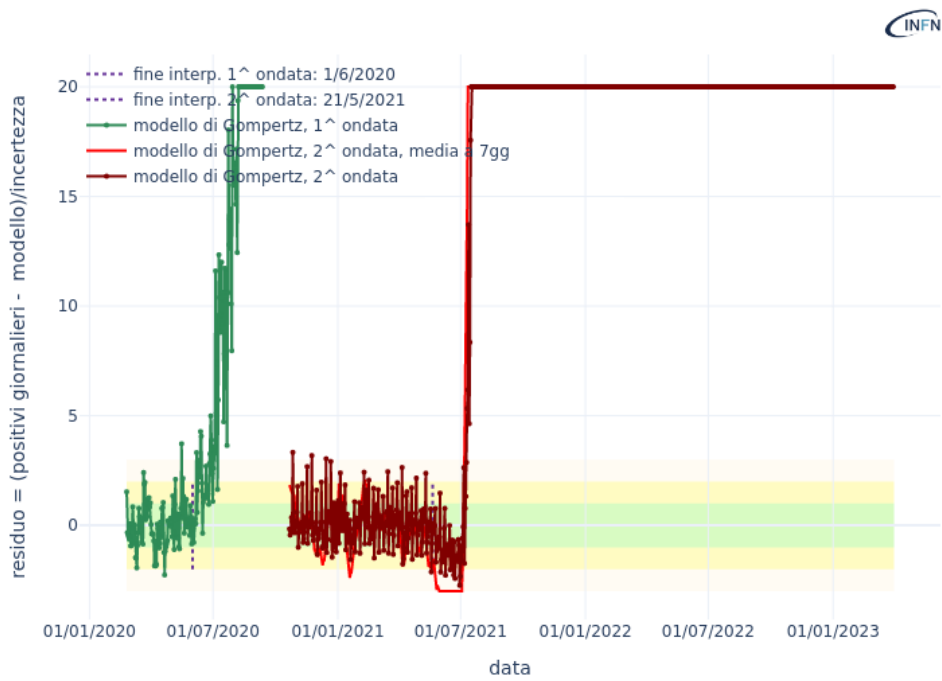


Fig. 108

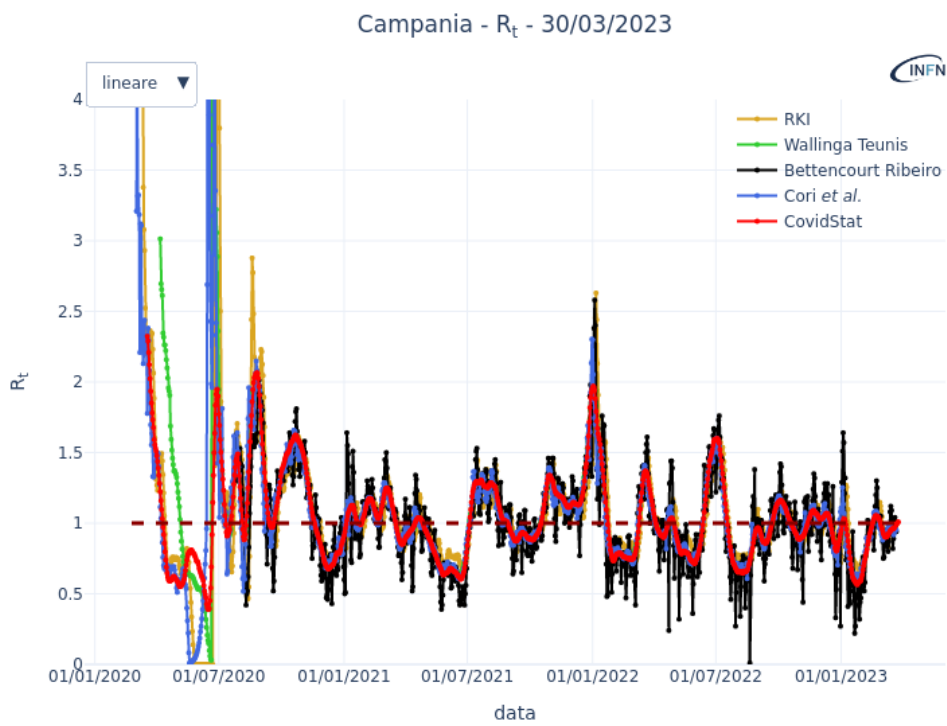


Fig. 109

Veneto - tempo di raddoppio (inverso) decessi - 30/03/2023

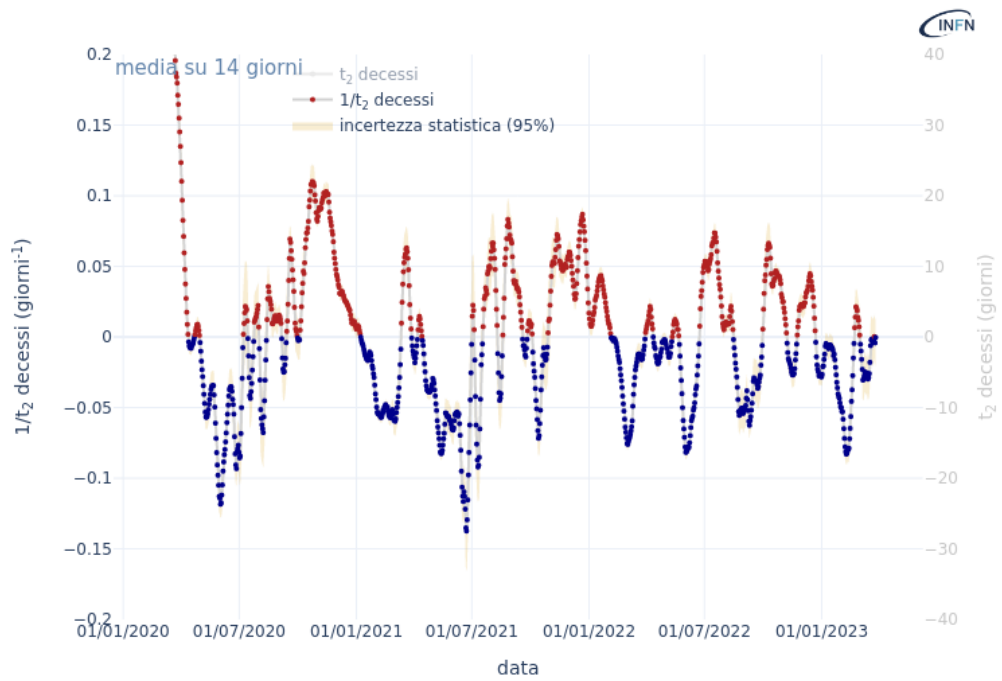


Fig. 110

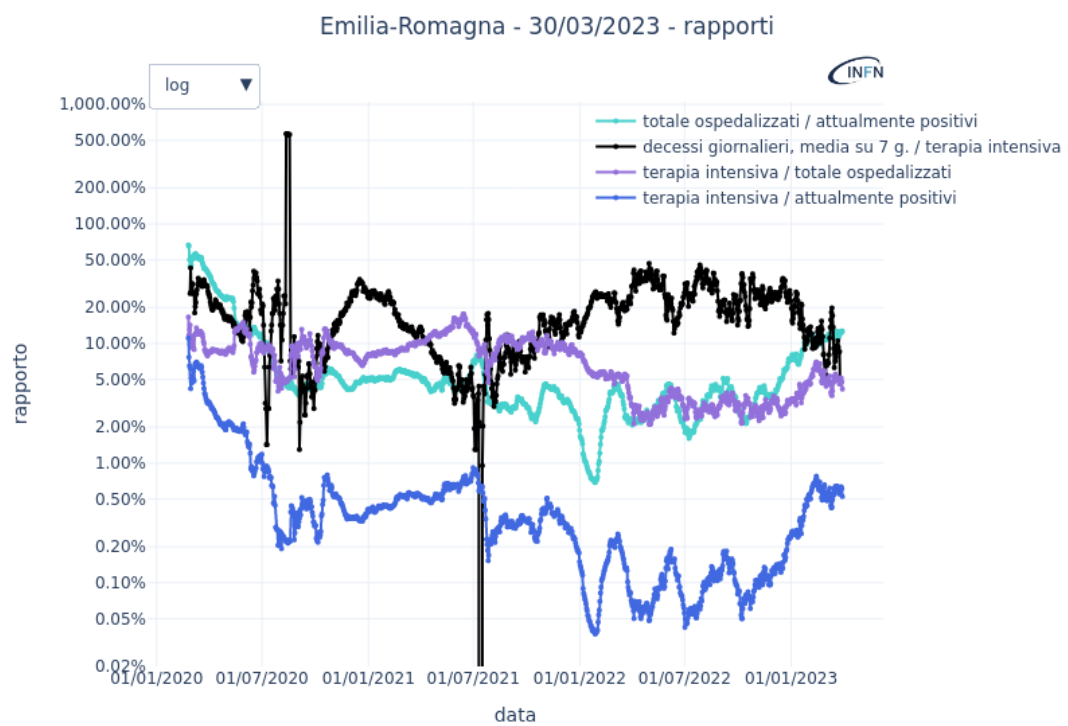


Fig. 111

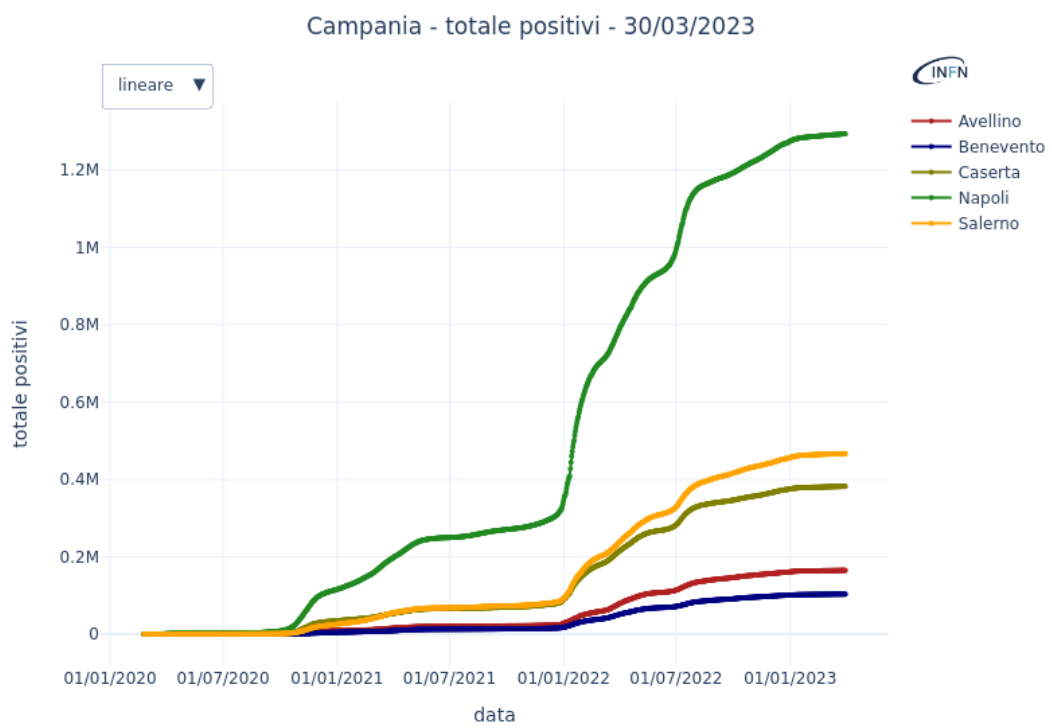


Fig. 112



Sud Italia - decessi giornalieri - residui - 30/03/2023

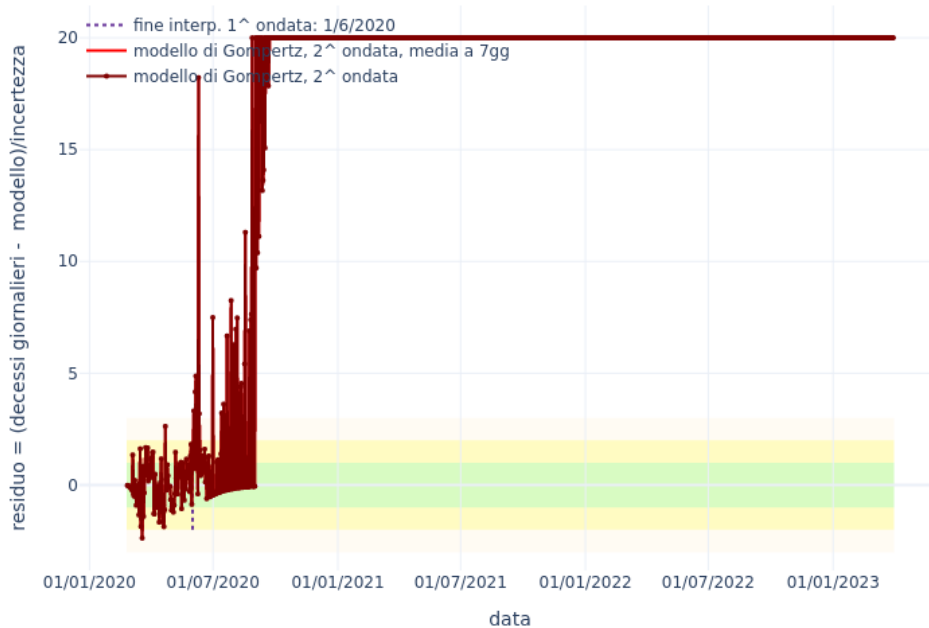


Fig. 113

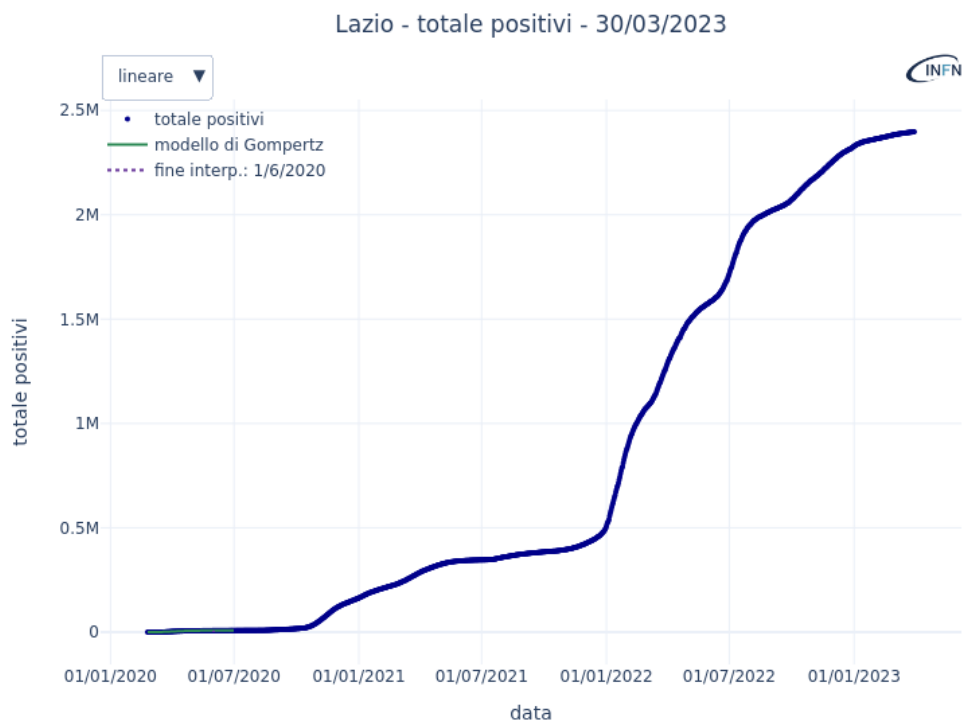


Fig. 114

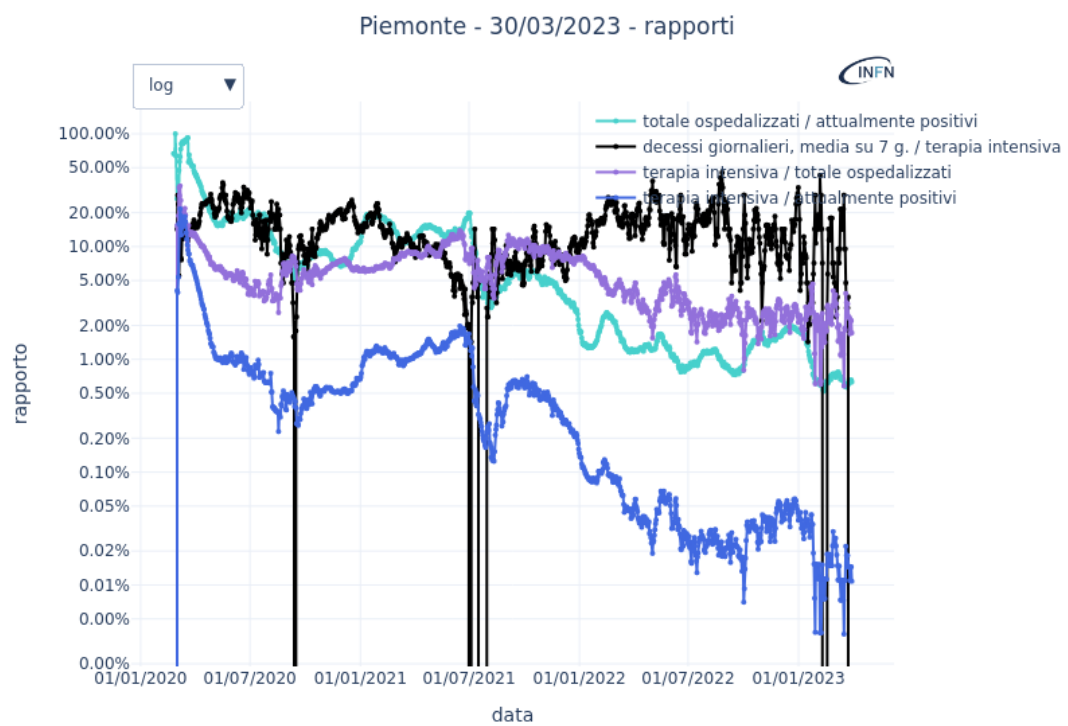


Fig. 115

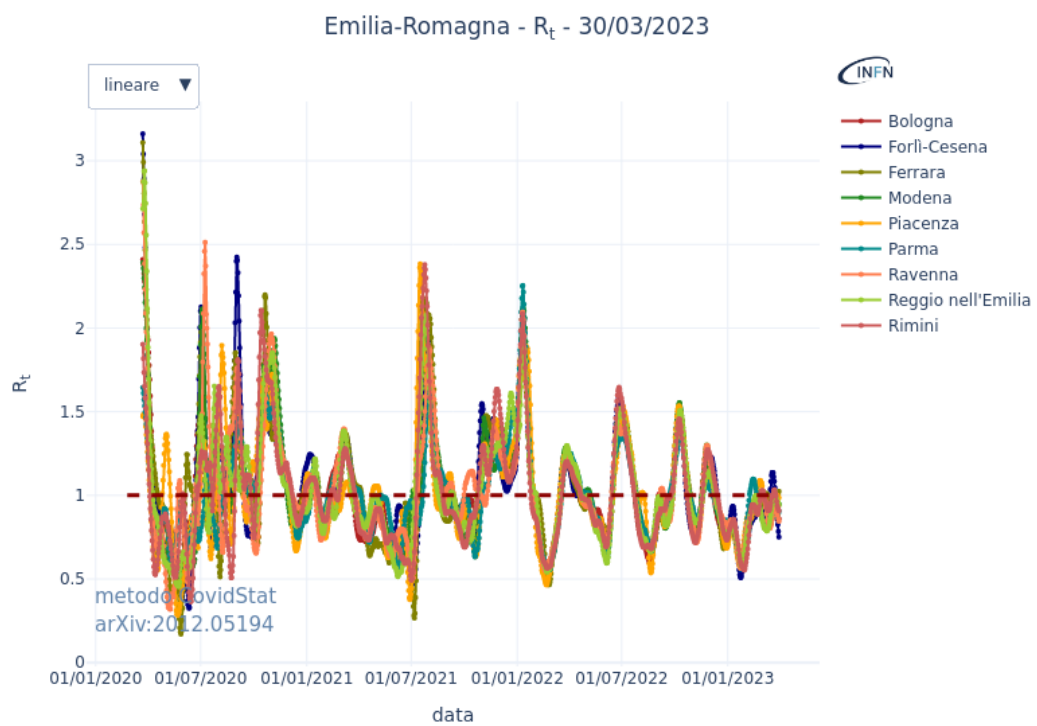


Fig. 116

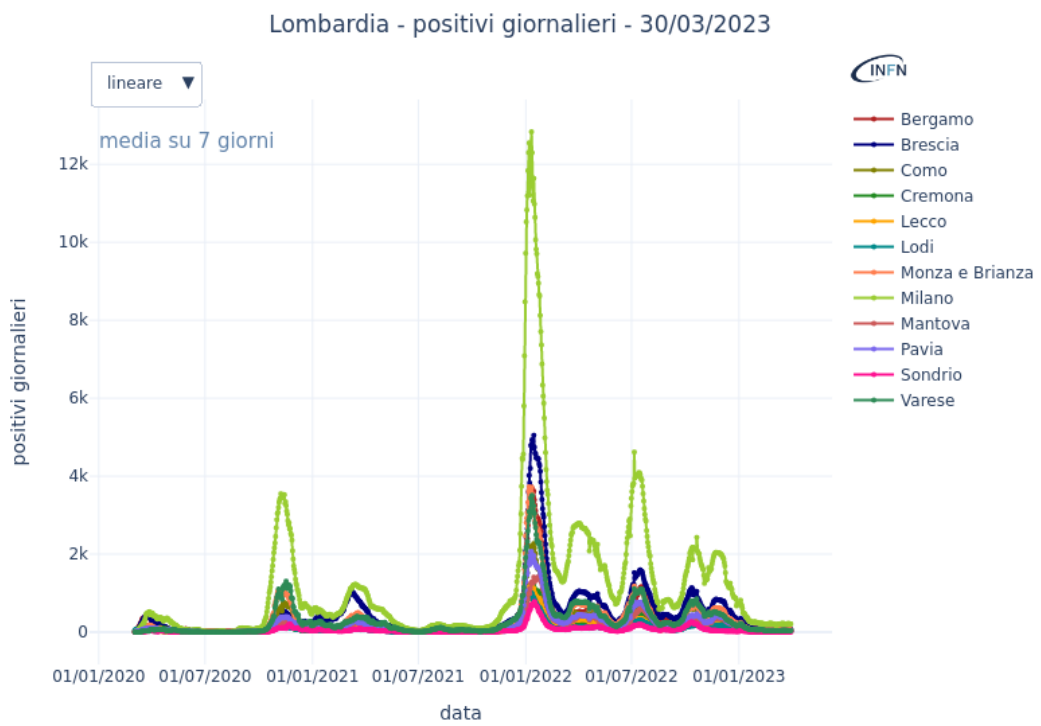


Fig. 117

Trentino Alto Adige - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

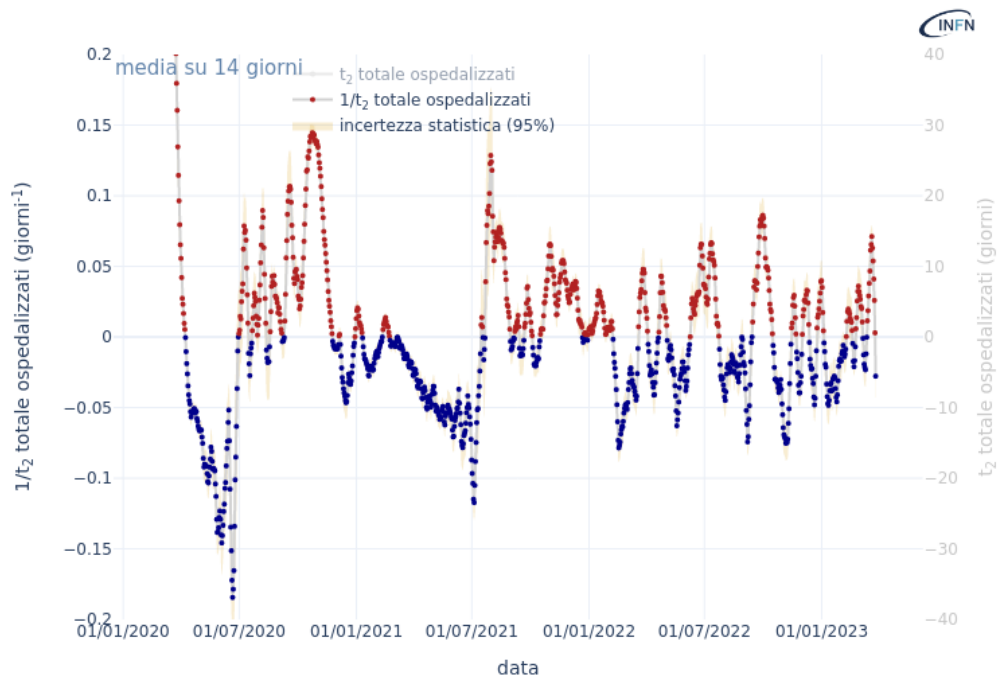


Fig. 118

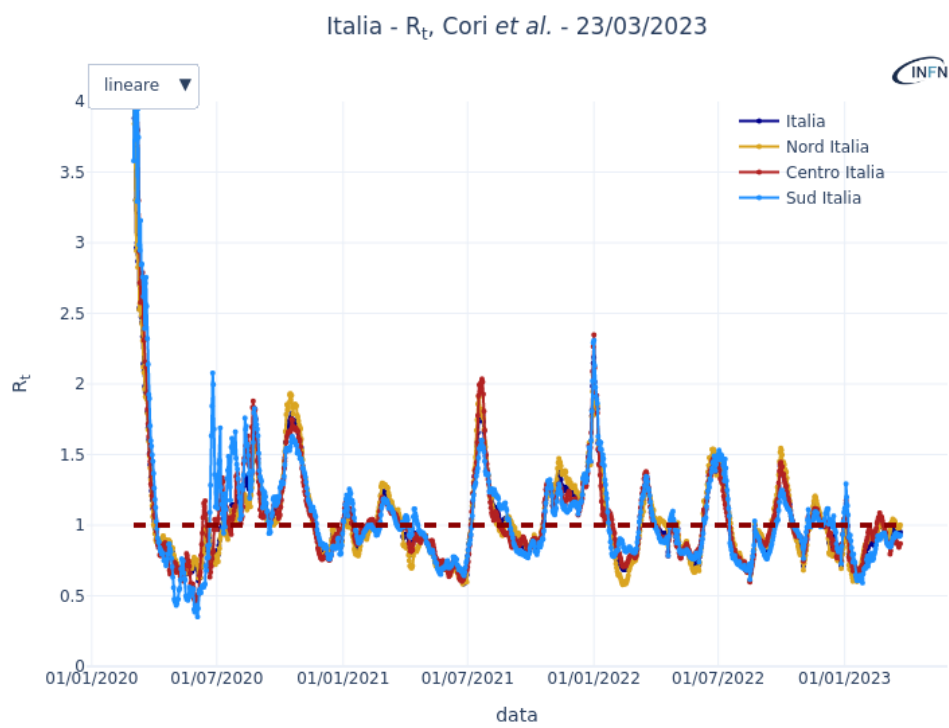


Fig. 119

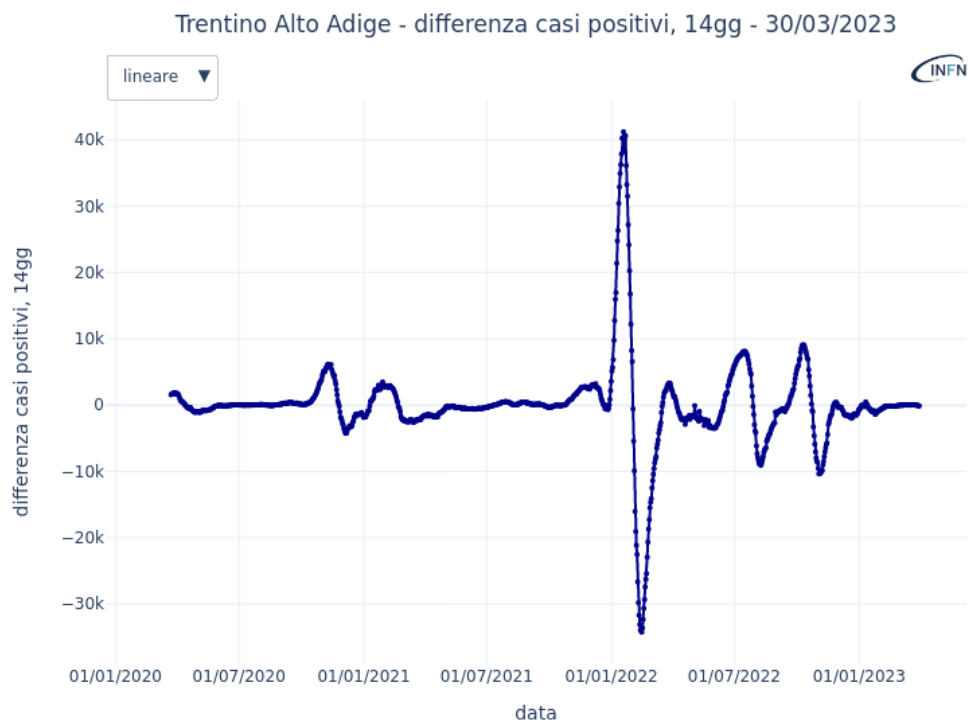


Fig. 120



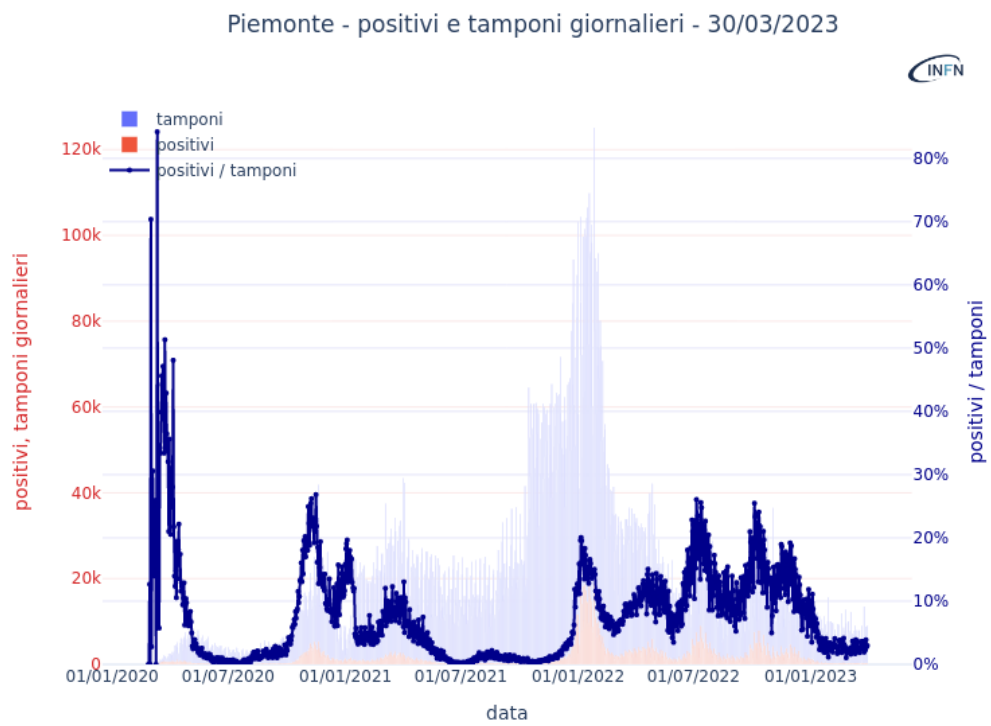


Fig. 121

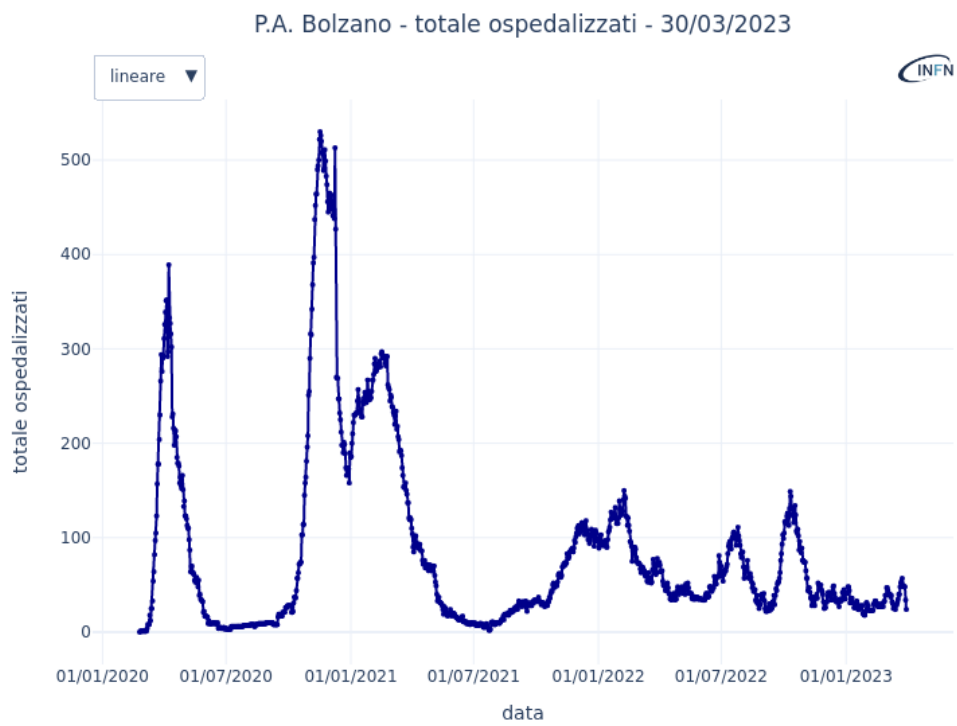


Fig. 122

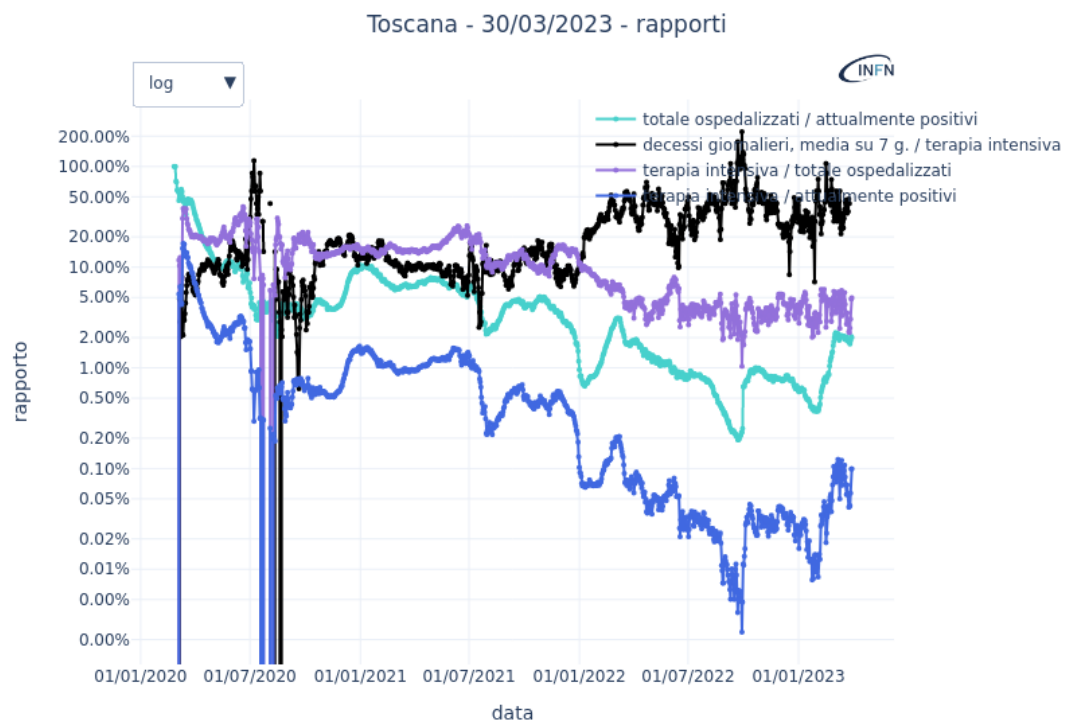


Fig. 123

Umbria - tempo di raddoppio (inverso) totale positivi - 30/03/2023

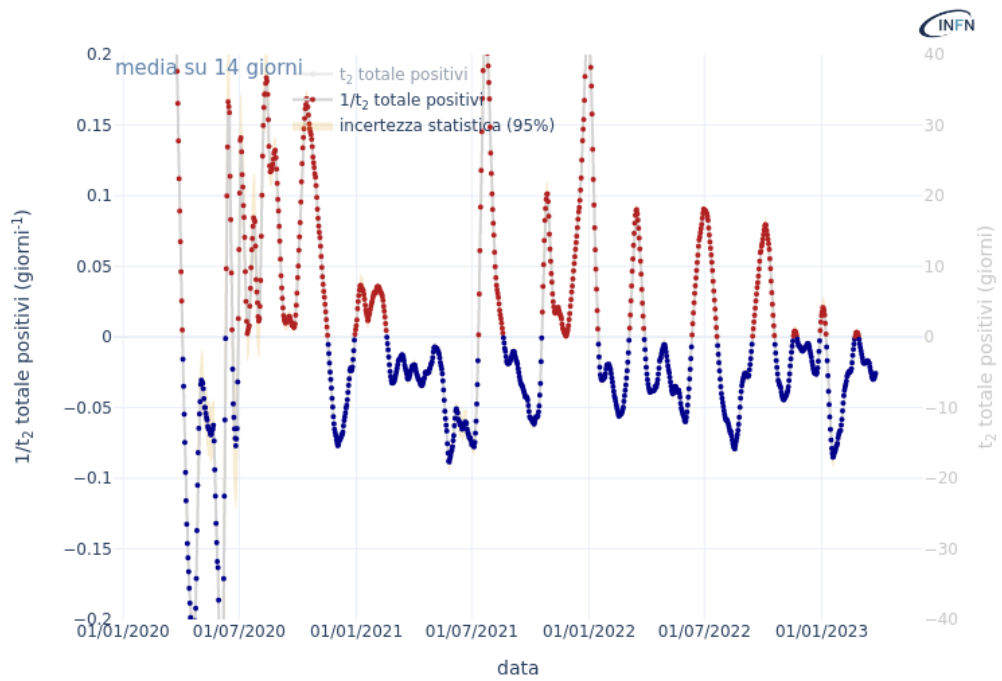


Fig. 124

Molise - tempo di raddoppio totale ospedalizzati - 30/03/2023

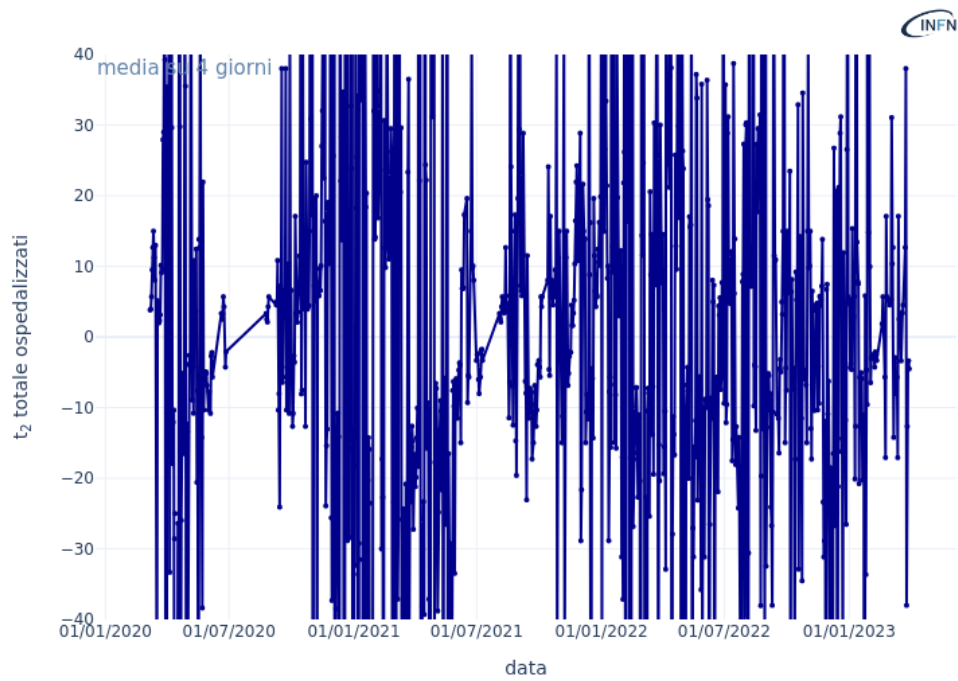


Fig. 125

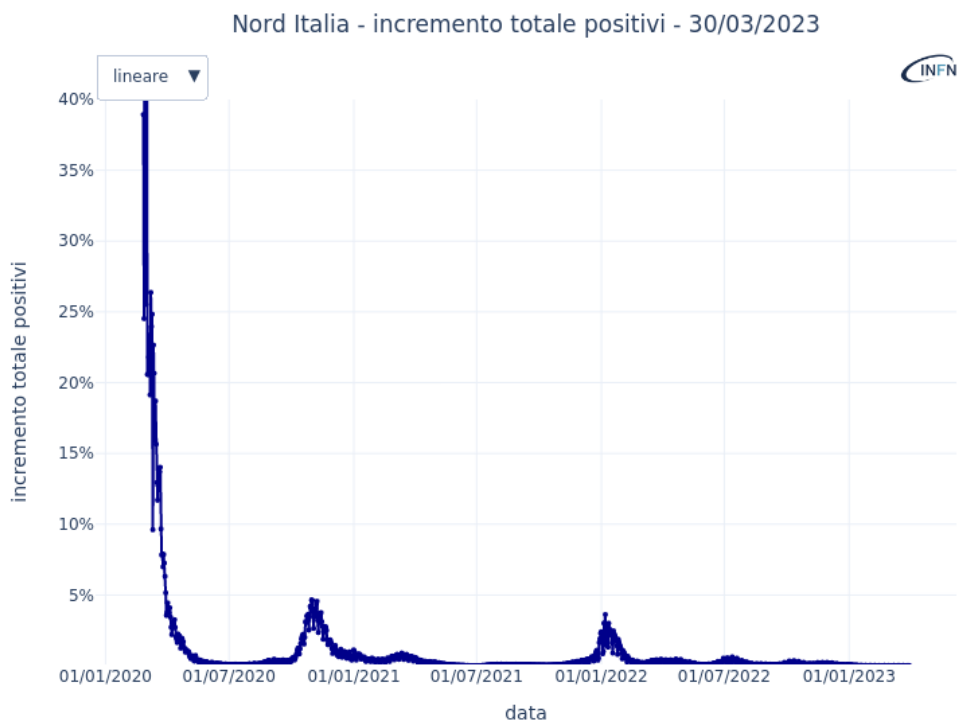


Fig. 126

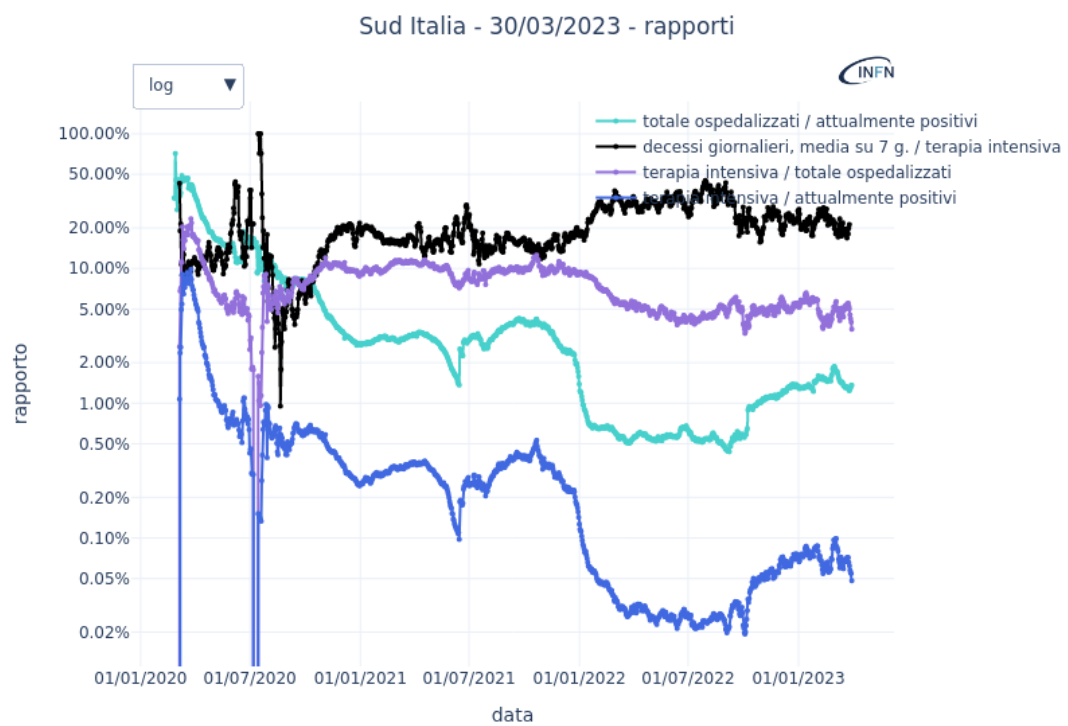


Fig. 127

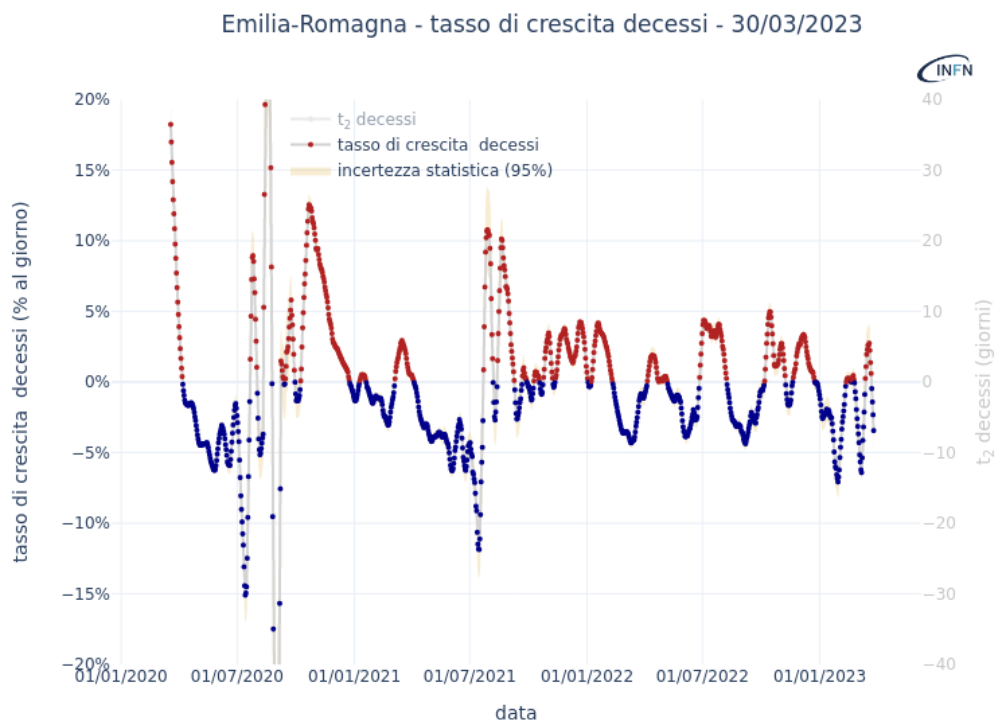


Fig. 128



P.A. Bolzano - decessi giornalieri - residui - 30/03/2023

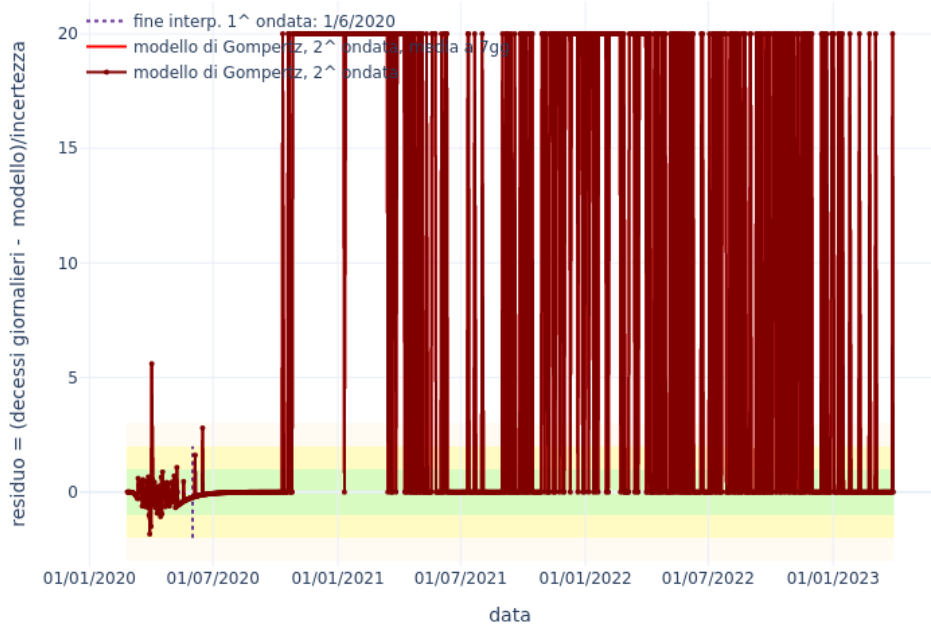


Fig. 129



Fig. 130

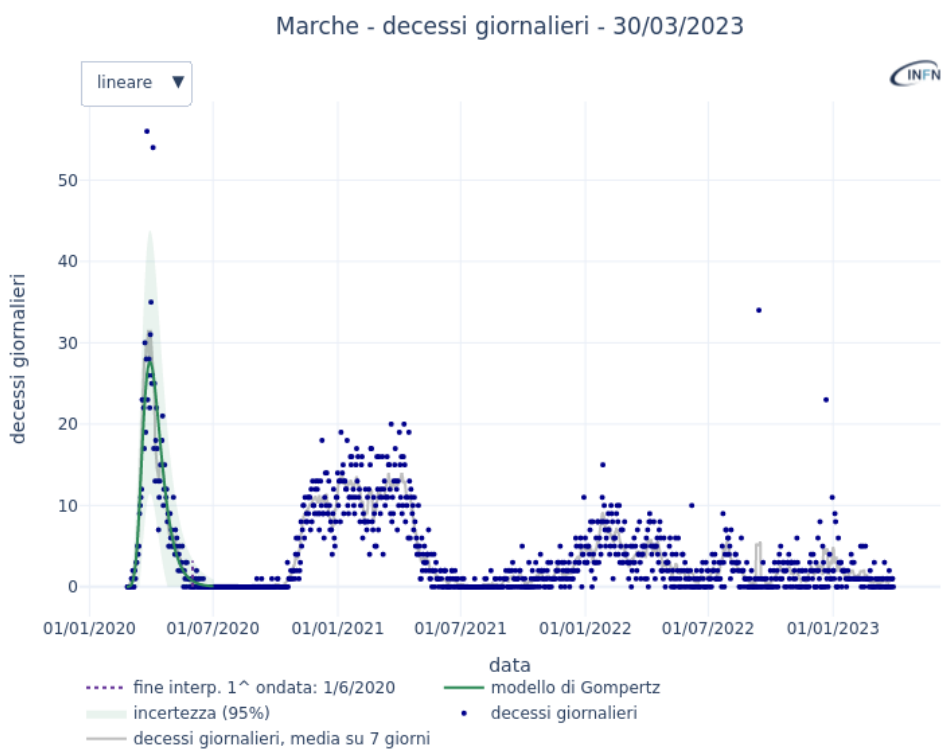


Fig. 131



Fig. 132

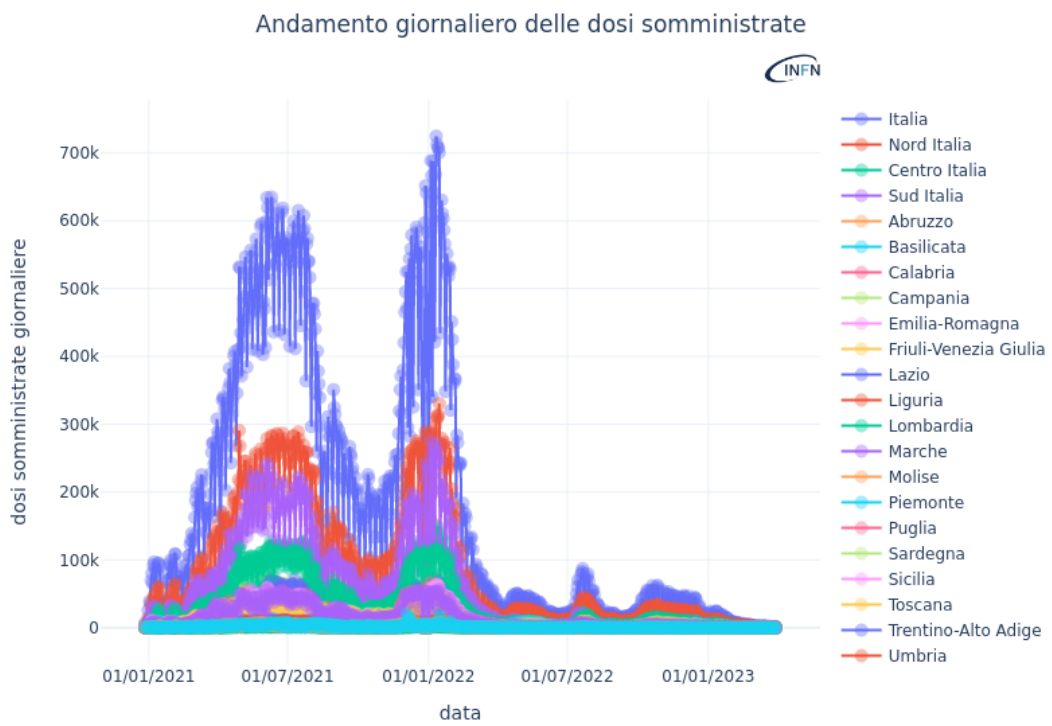


Fig. 133

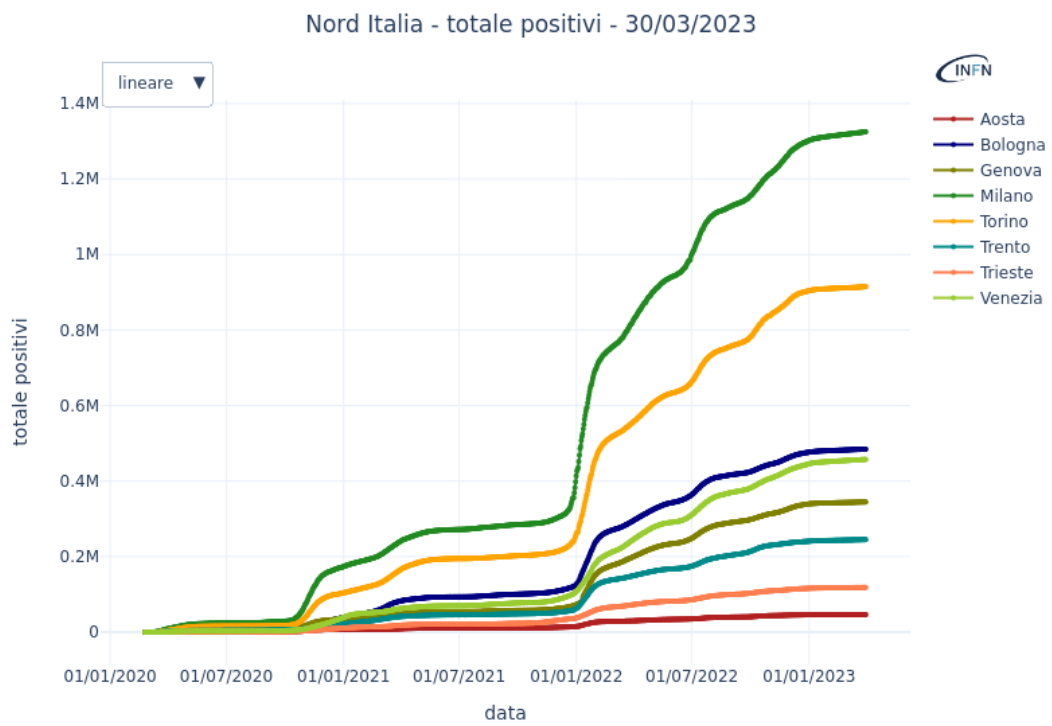


Fig. 134

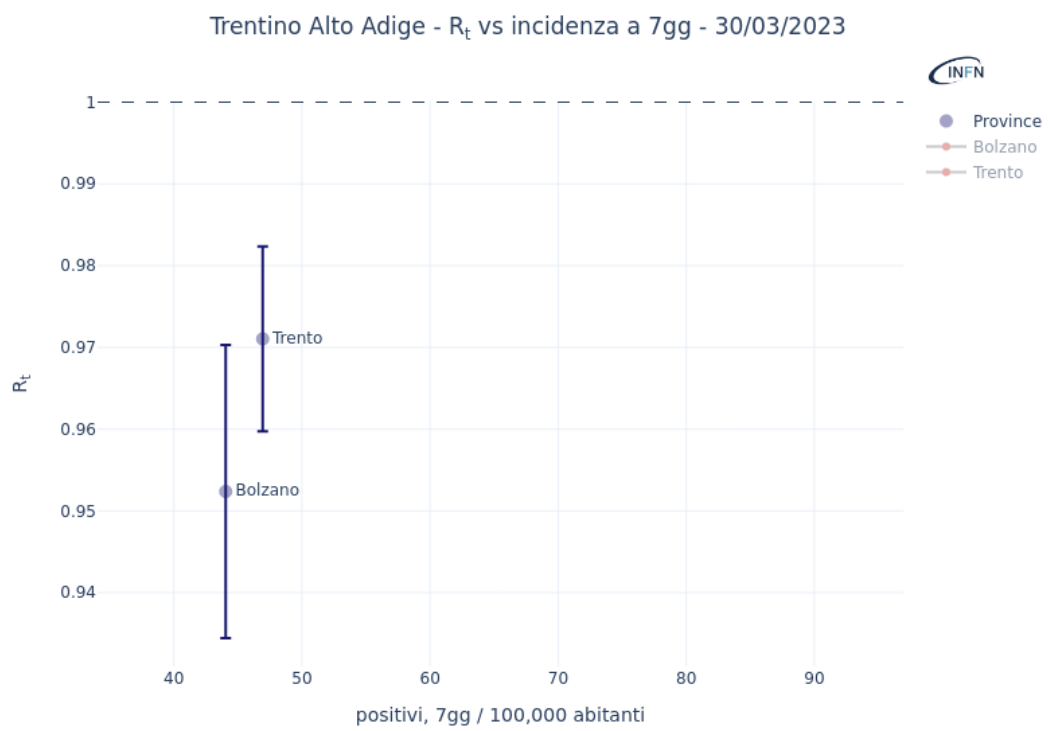


Fig. 135

Liguria - tempo di raddoppio (inverso) decessi - 30/03/2023

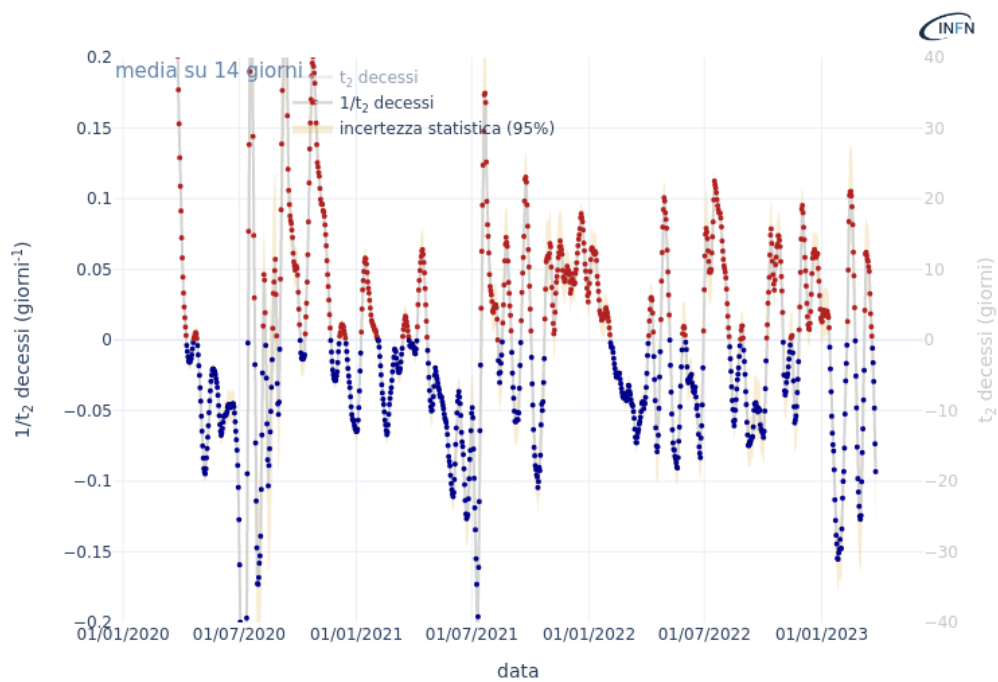


Fig. 136



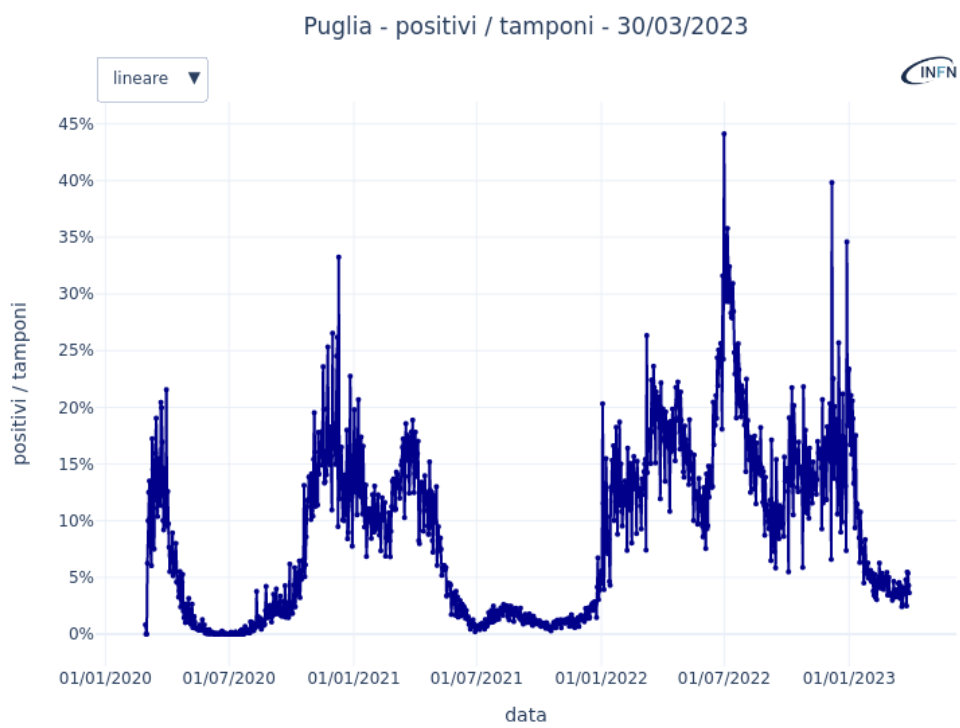


Fig. 137

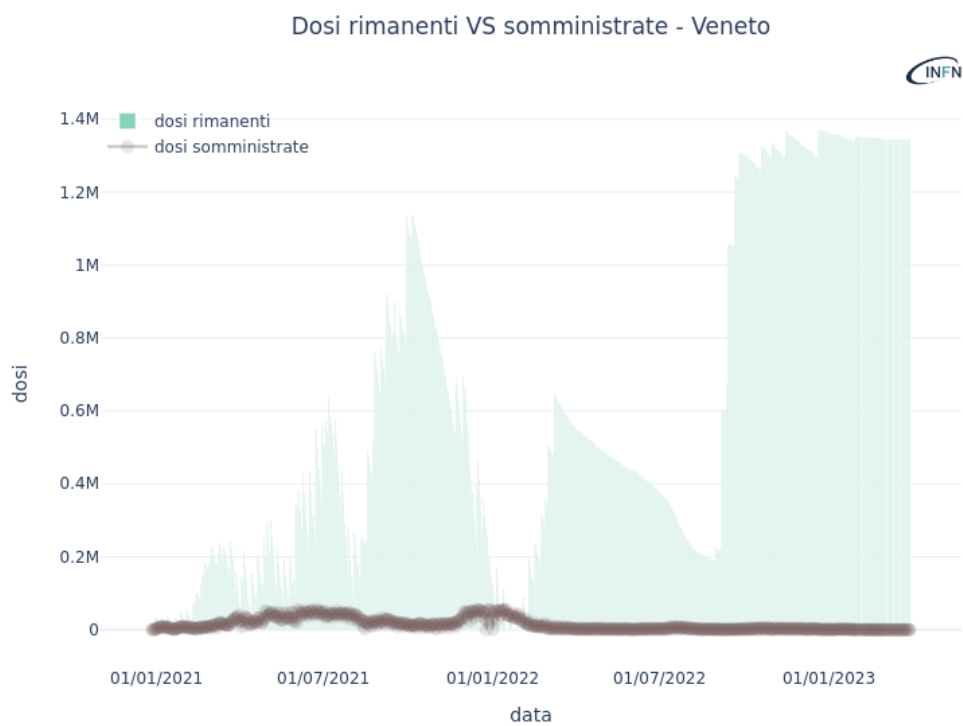


Fig. 138

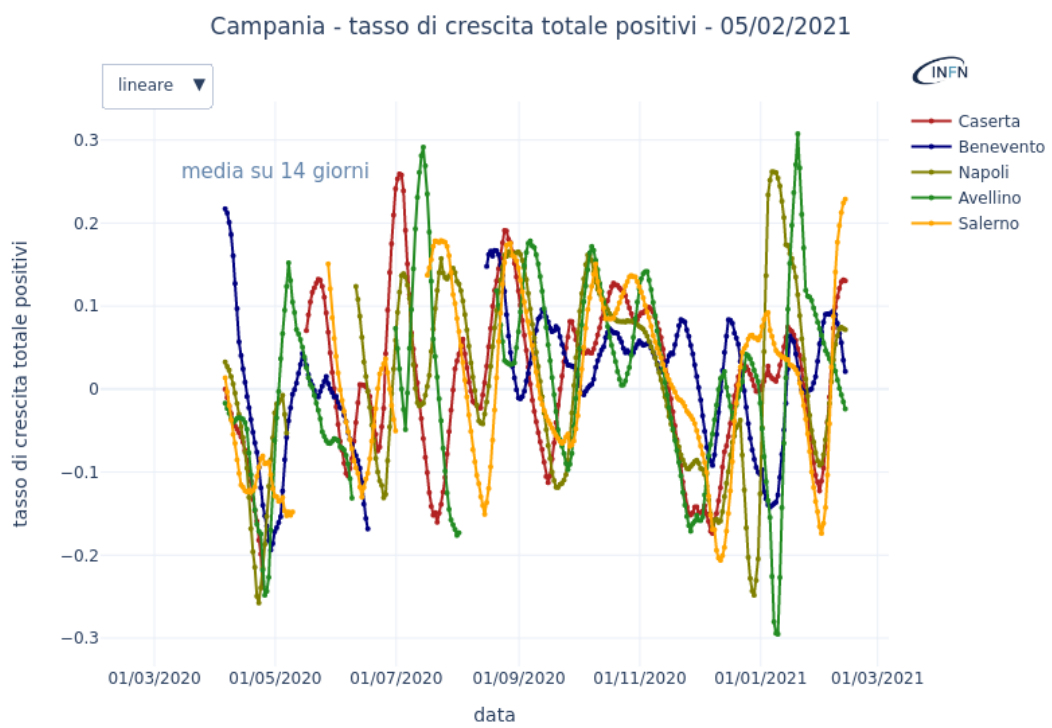


Fig. 139

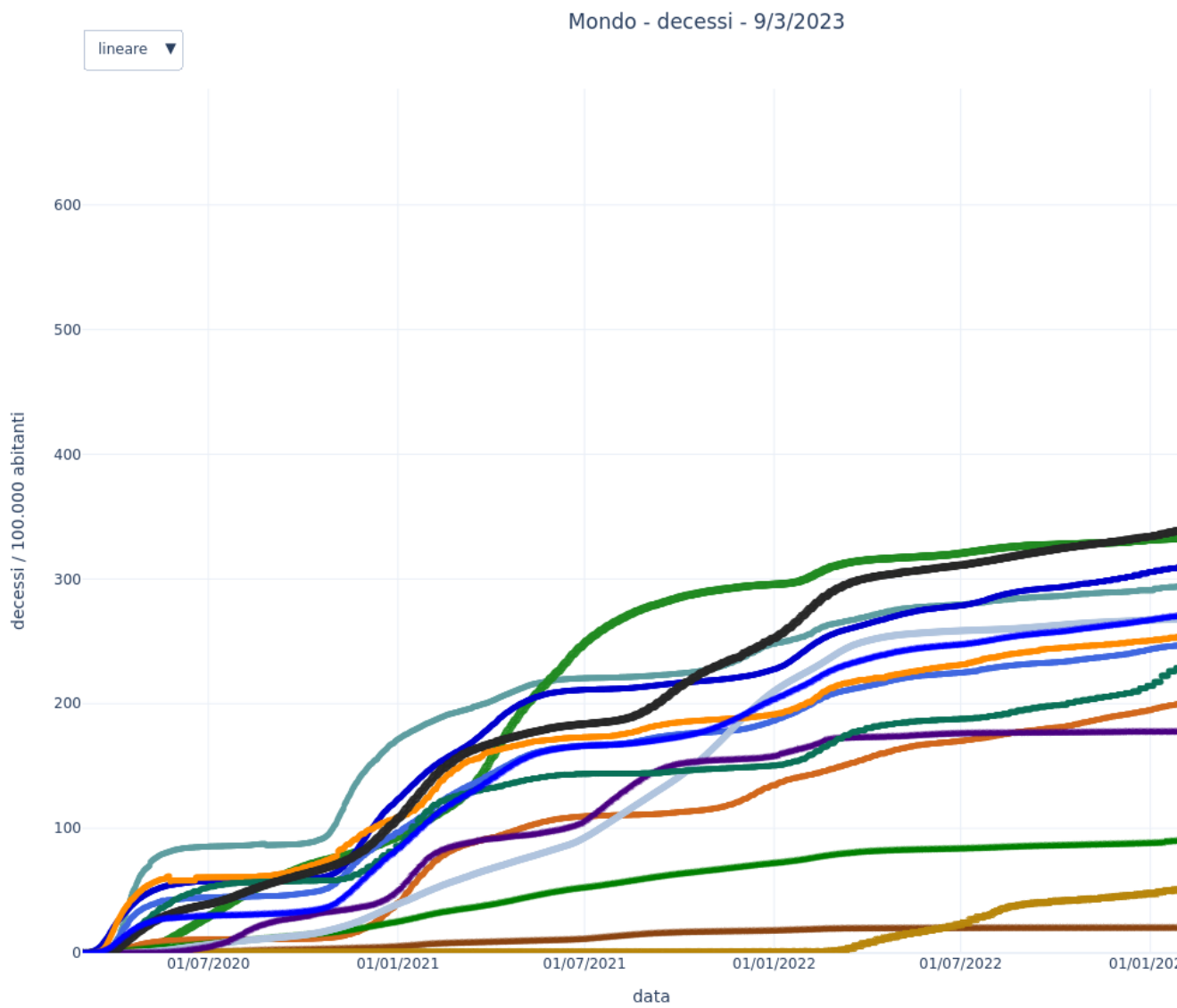


Fig. 140

Italia - Bendford - terapia intensiva - 11/08/2021

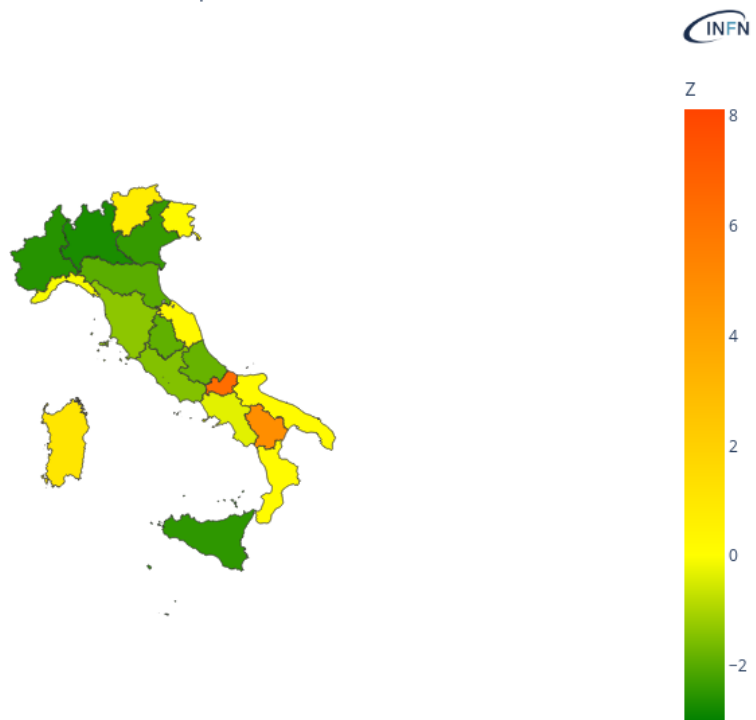


Fig. 141

Dosi somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Basilicata

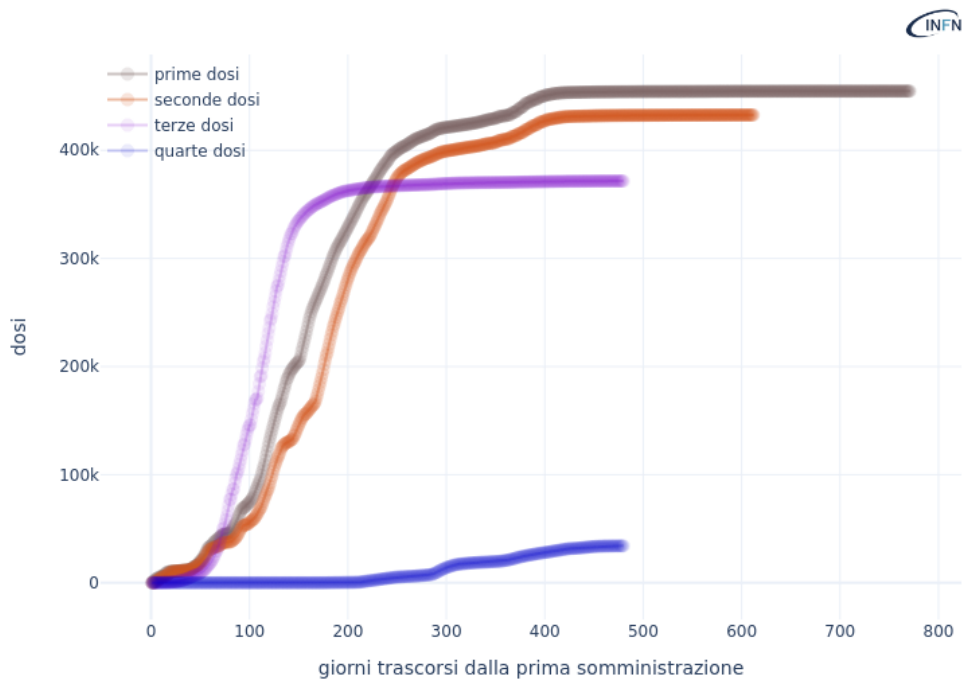


Fig. 142

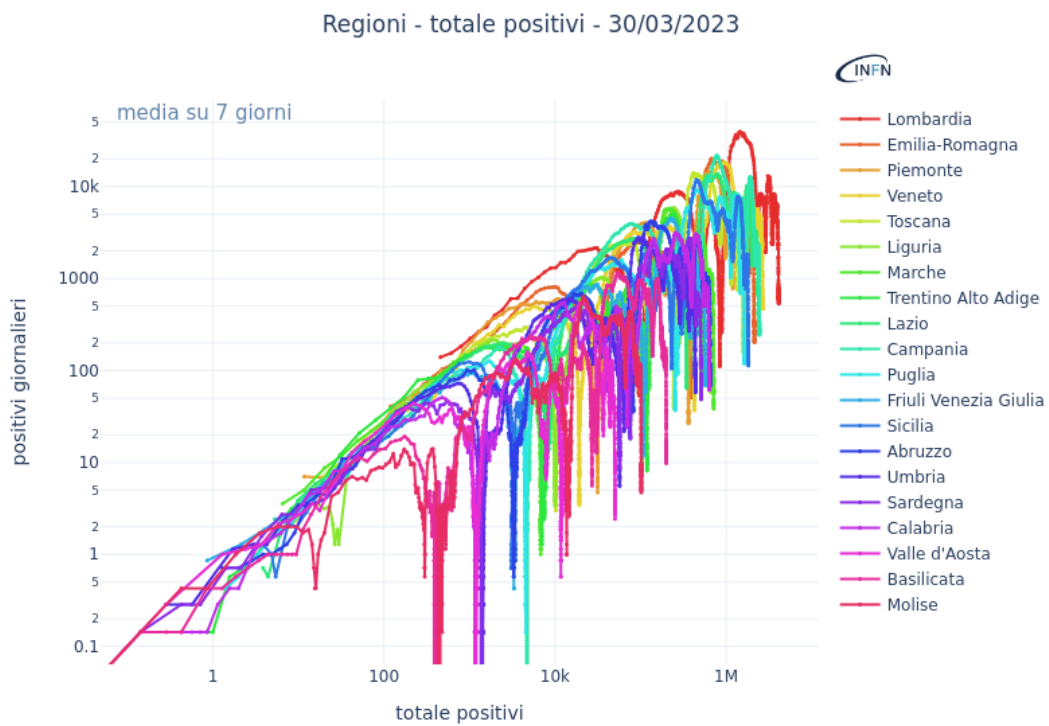


Fig. 143

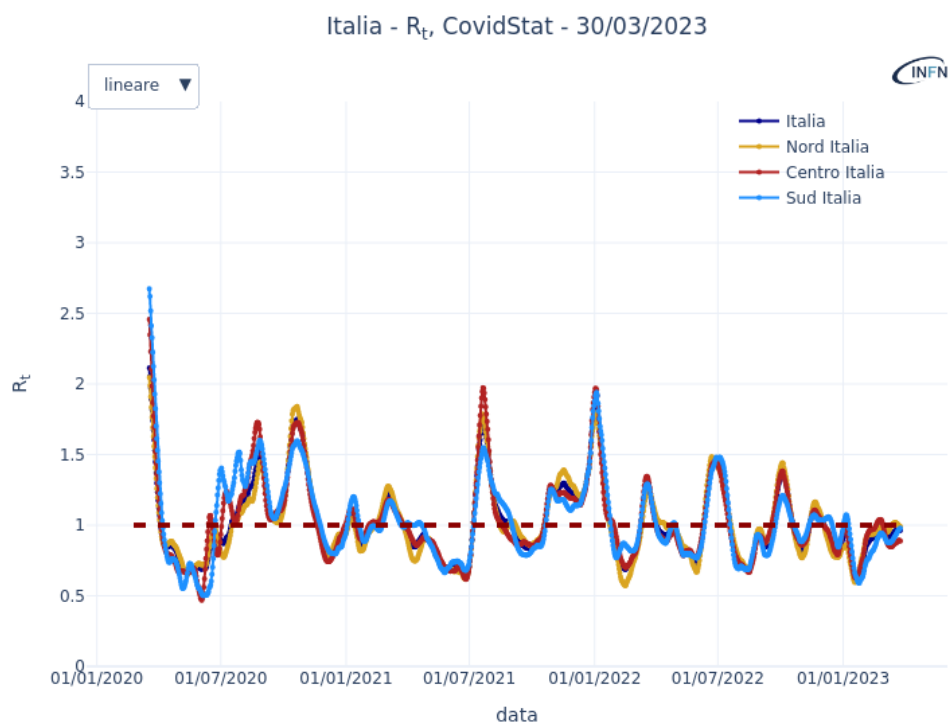


Fig. 144



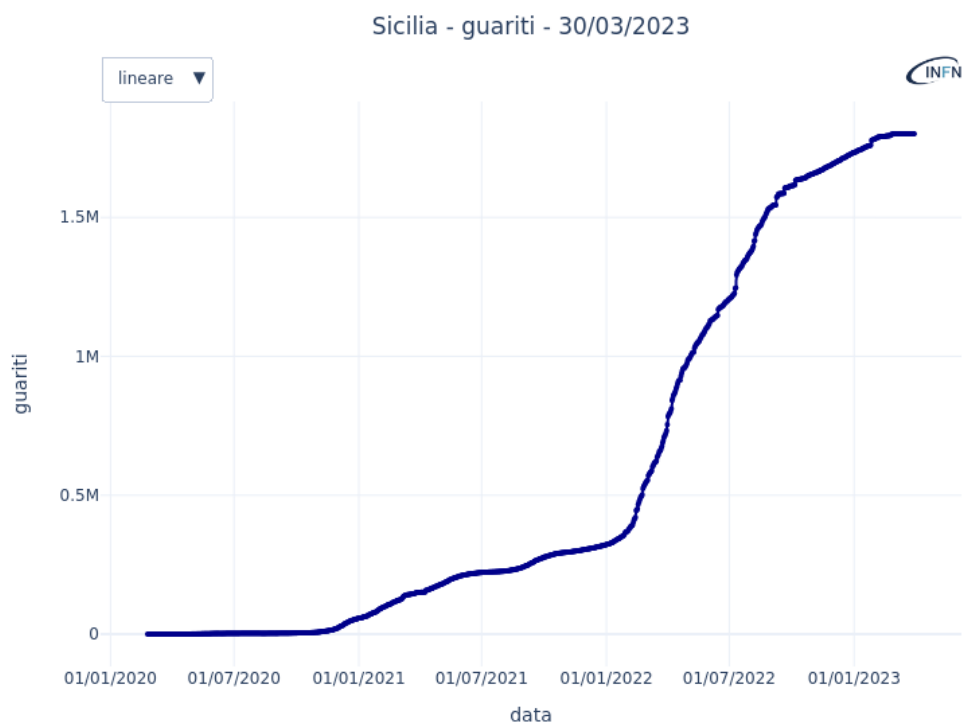


Fig. 145

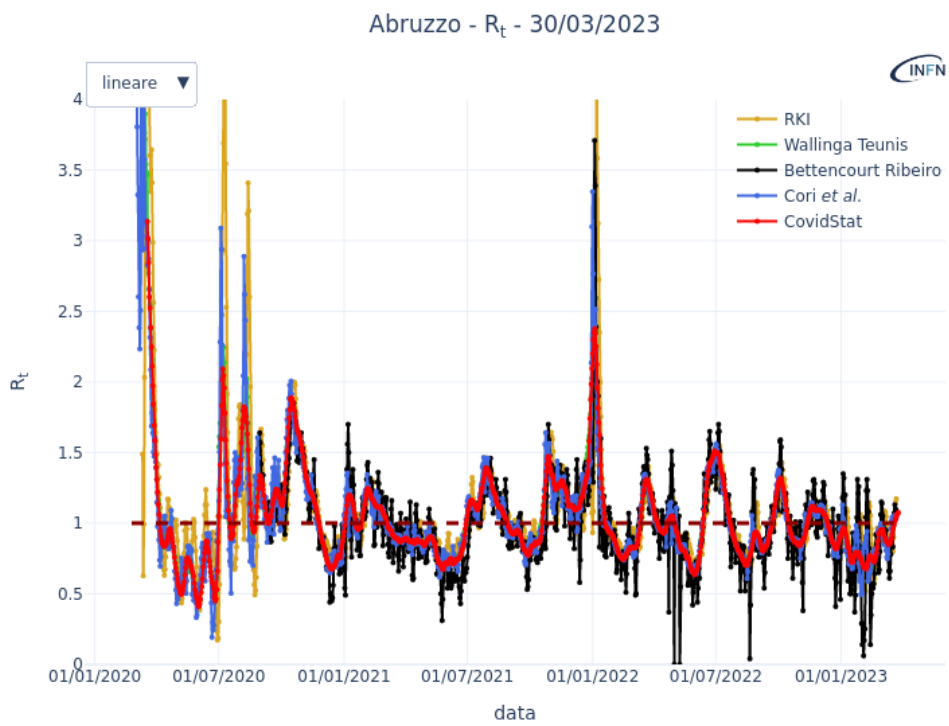


Fig. 146



Fig. 147

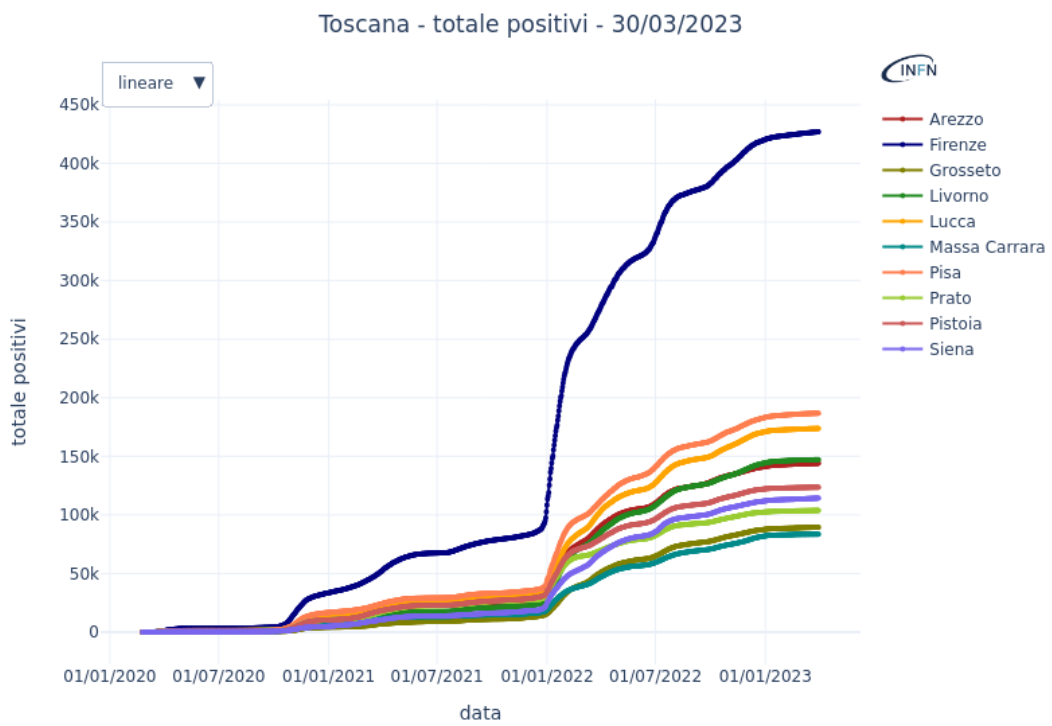


Fig. 148

Trentino Alto Adige - tasso di crescita terapia intensiva - 30/03/2023

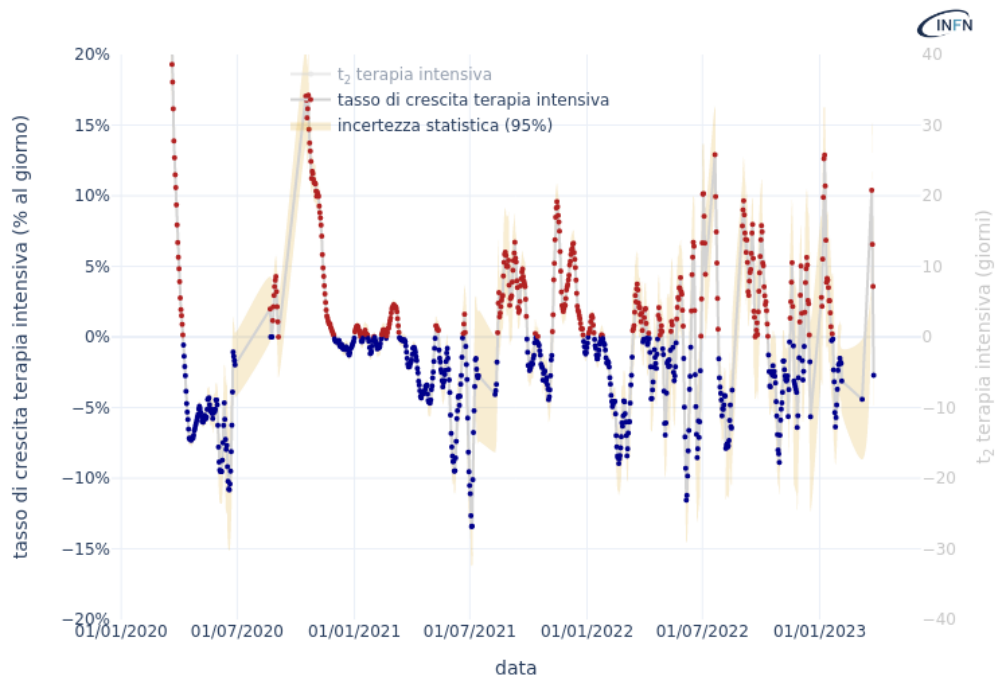


Fig. 149

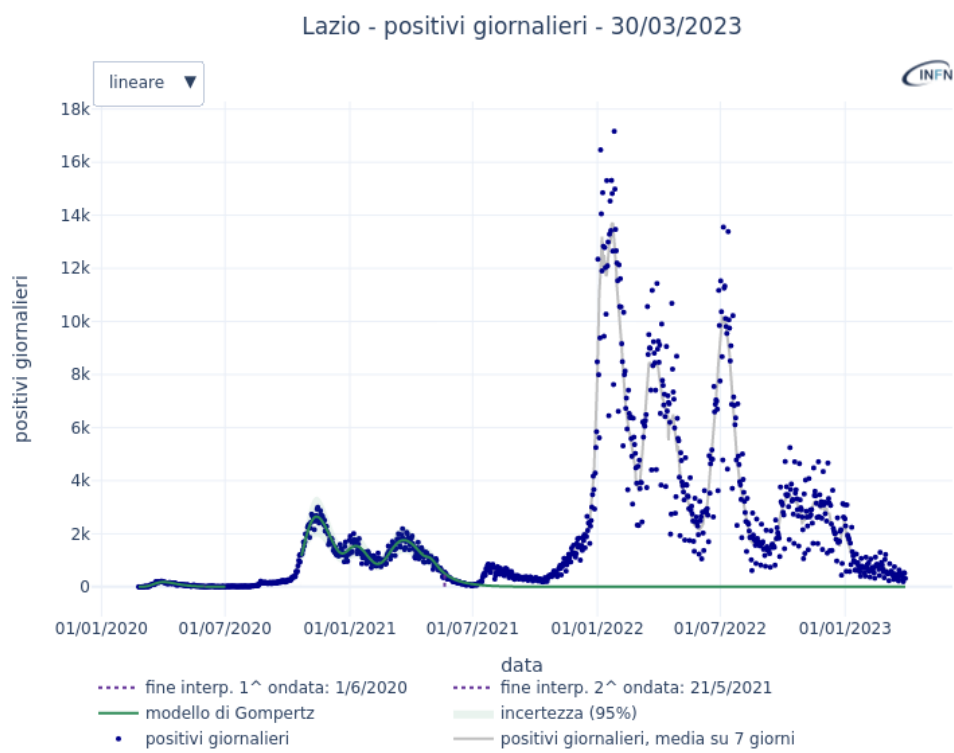


Fig. 150

Trentino Alto Adige - tasso di crescita totale positivi - 30/03/2023

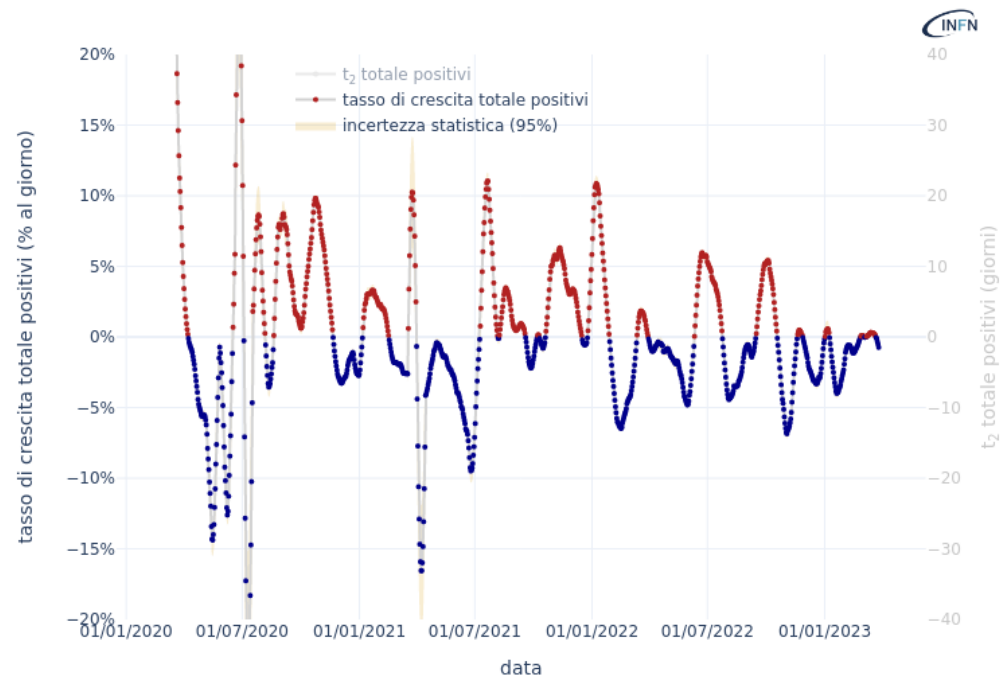


Fig. 151

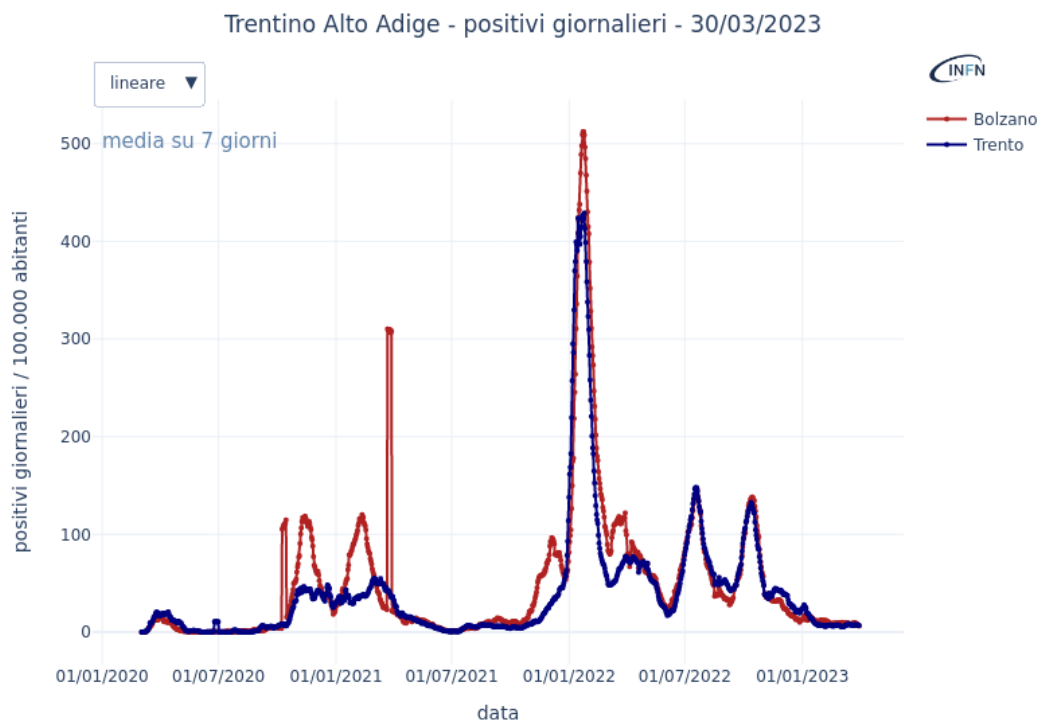


Fig. 152



Marche - tempo di raddoppio totale ospedalizzati - 30/03/2023

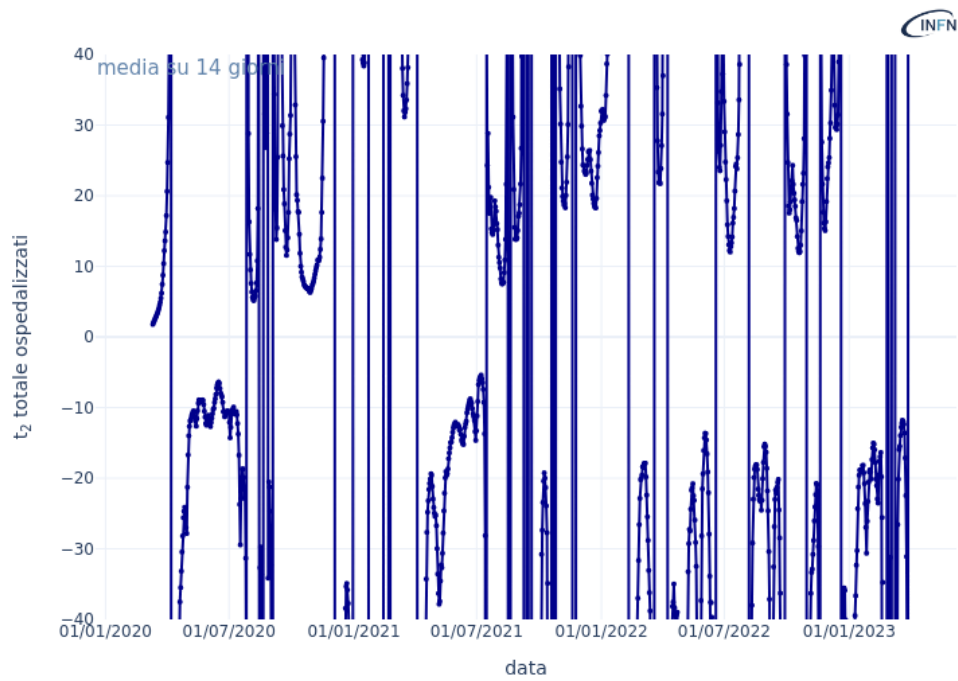


Fig. 153

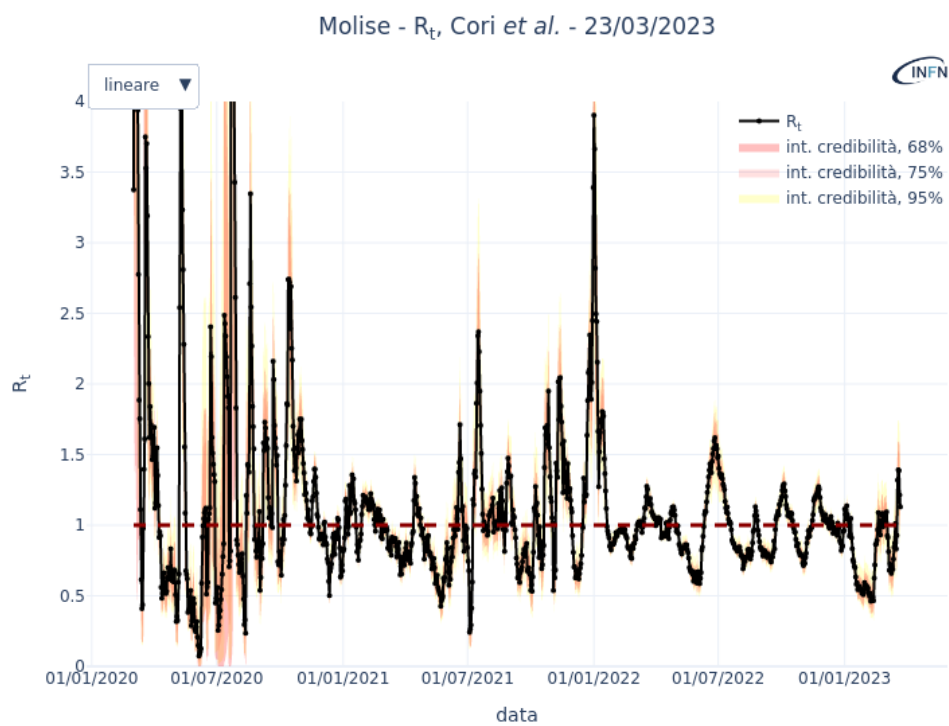


Fig. 154

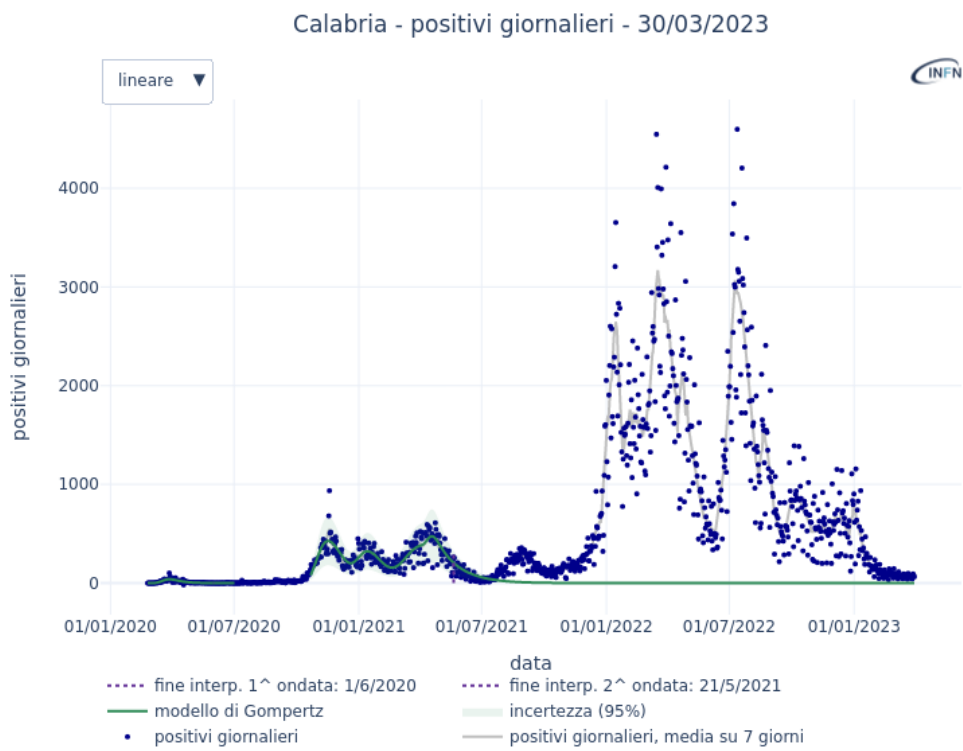


Fig. 155

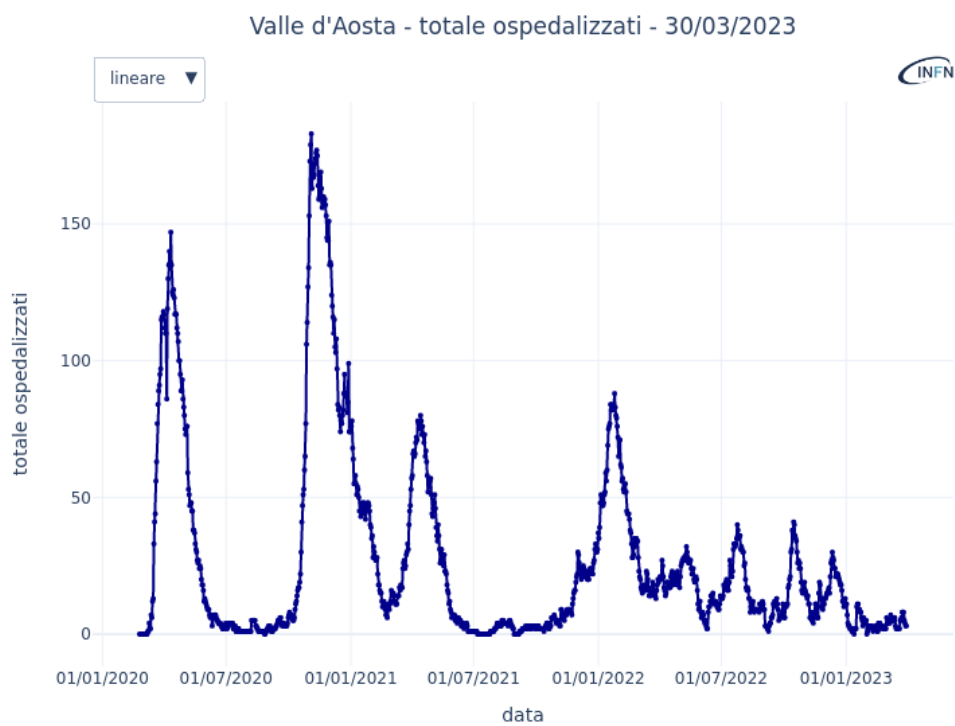


Fig. 156

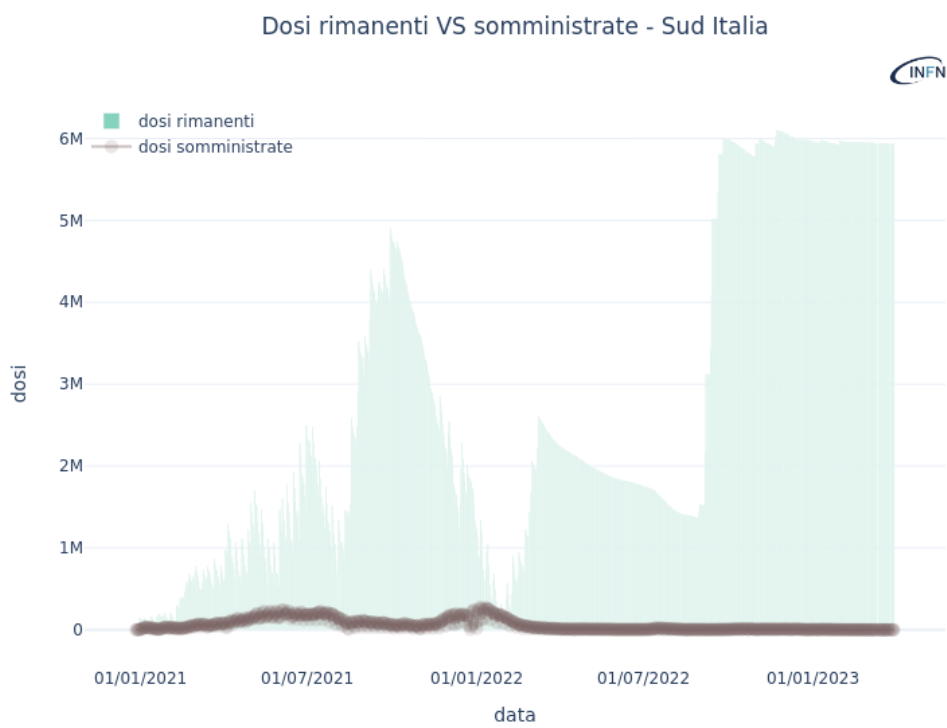


Fig. 157

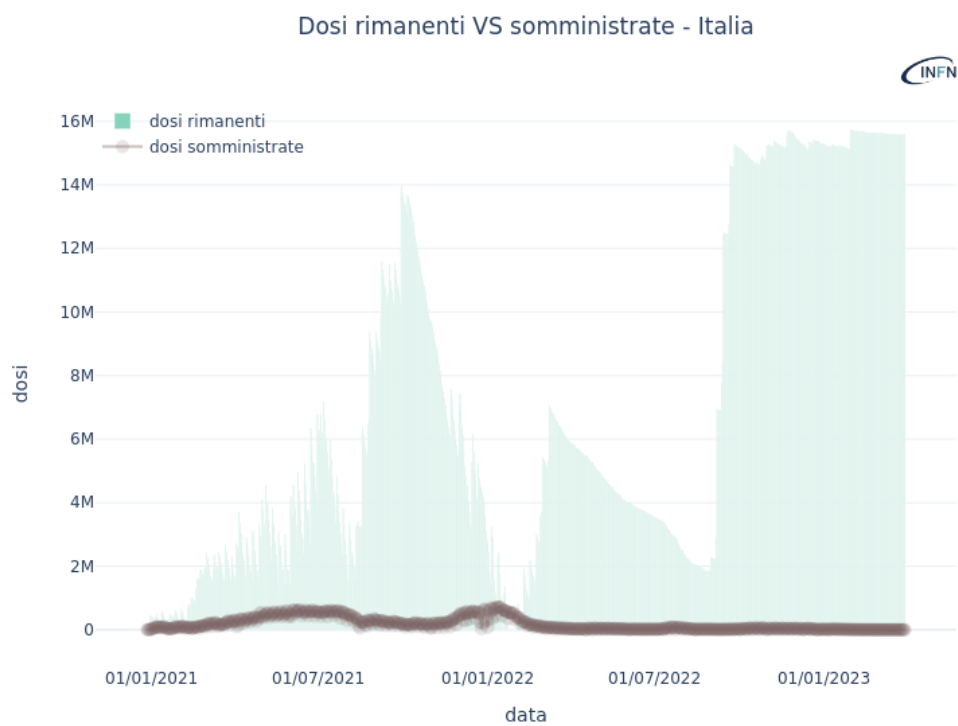


Fig. 158

Trentino Alto Adige - tempo di raddoppio terapia intensiva - 30/03/2023

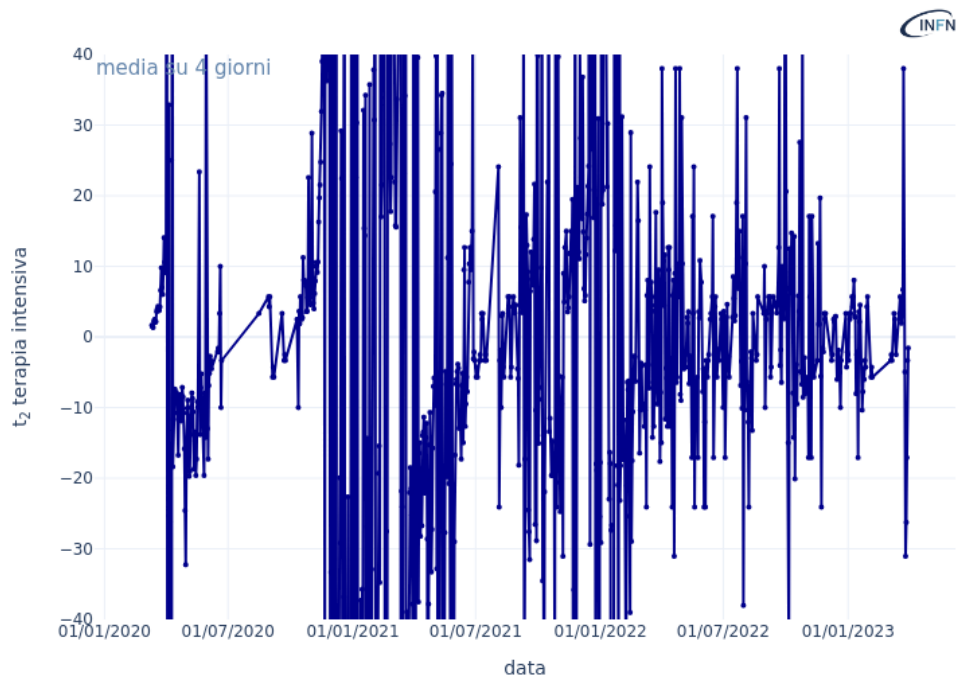


Fig. 159

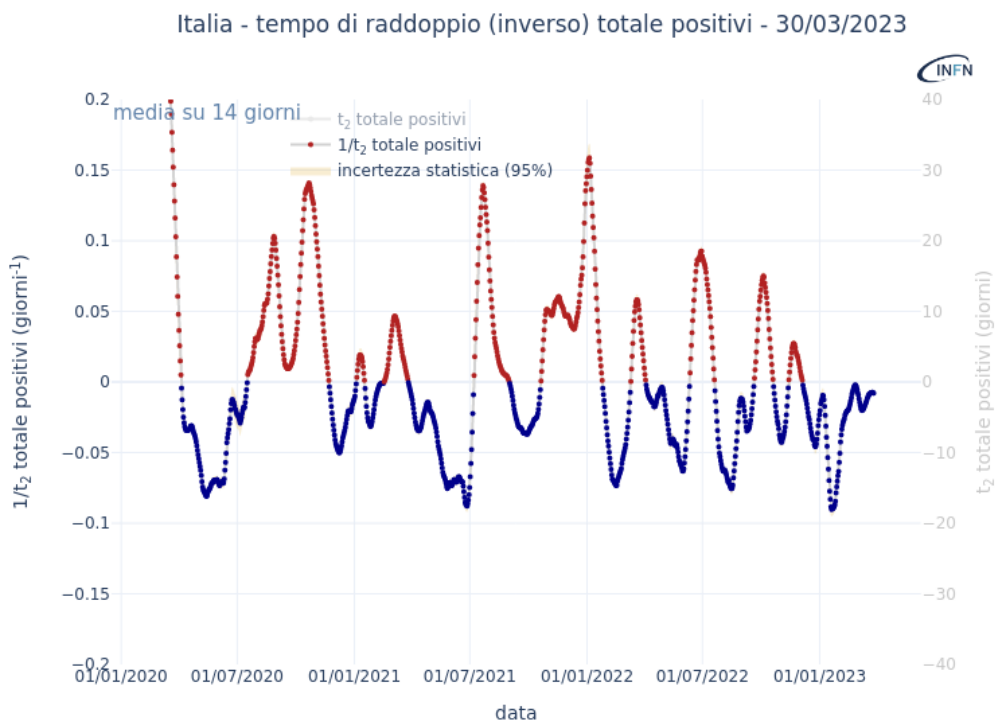


Fig. 160



Dosi somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Veneto

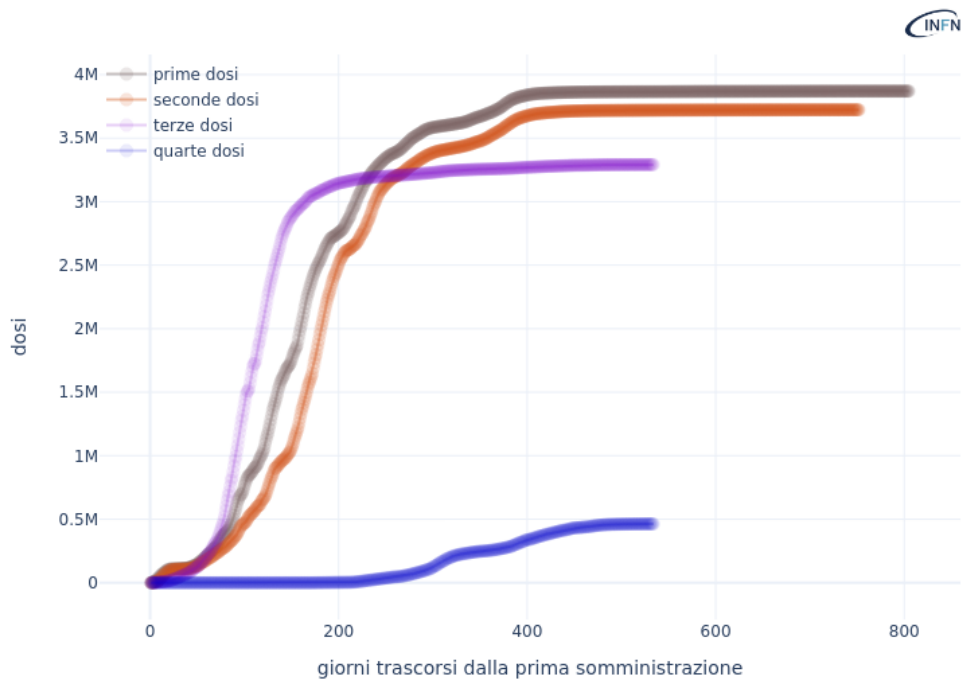


Fig. 161



Fig. 162

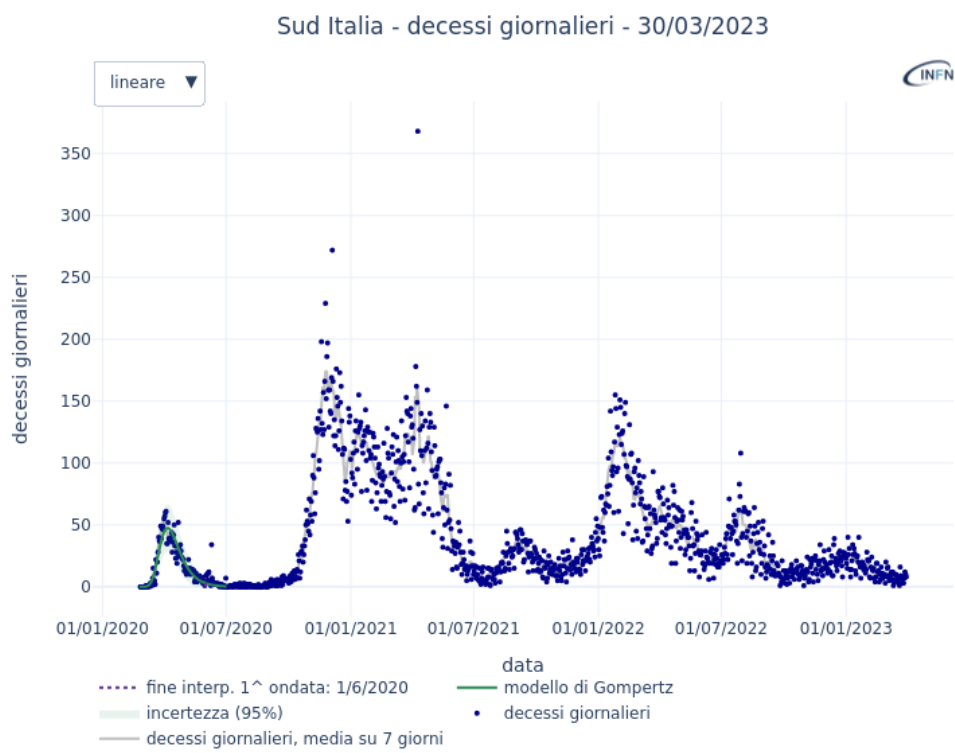


Fig. 163

Toscana - positivi e casi testati giornalieri - 30/03/2023

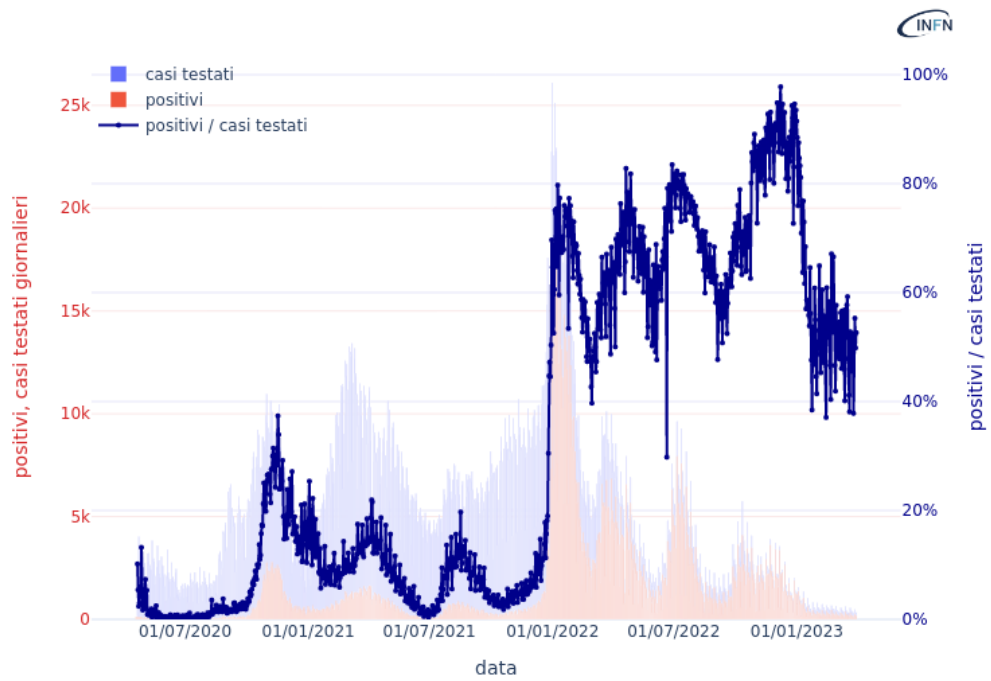


Fig. 164

Valle d'Aosta - tasso di crescita totale ospedalizzati - 30/03/2023

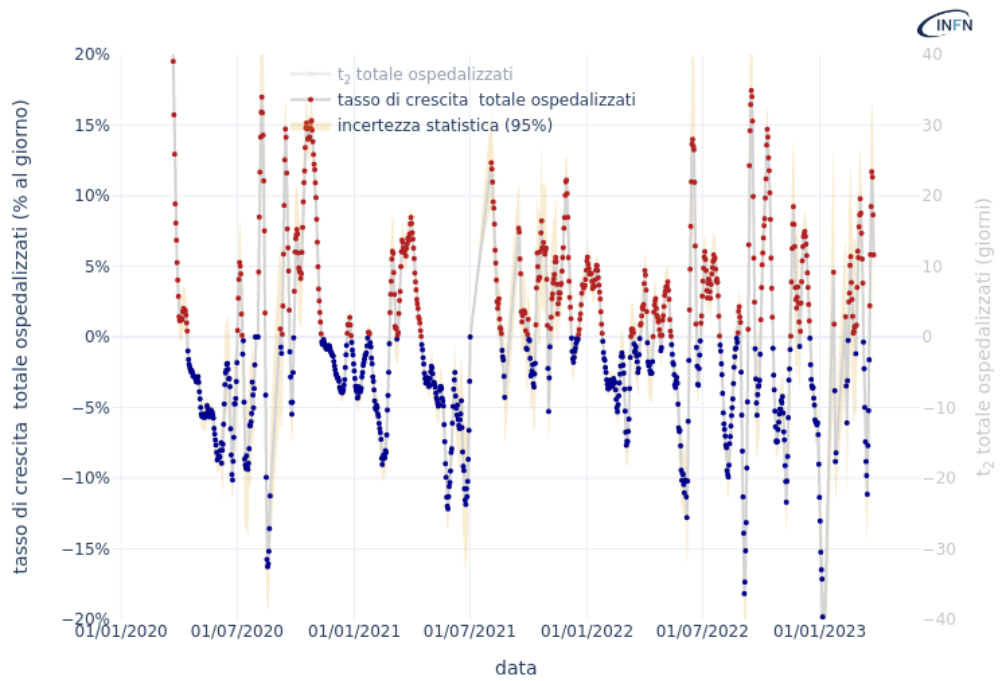


Fig. 165

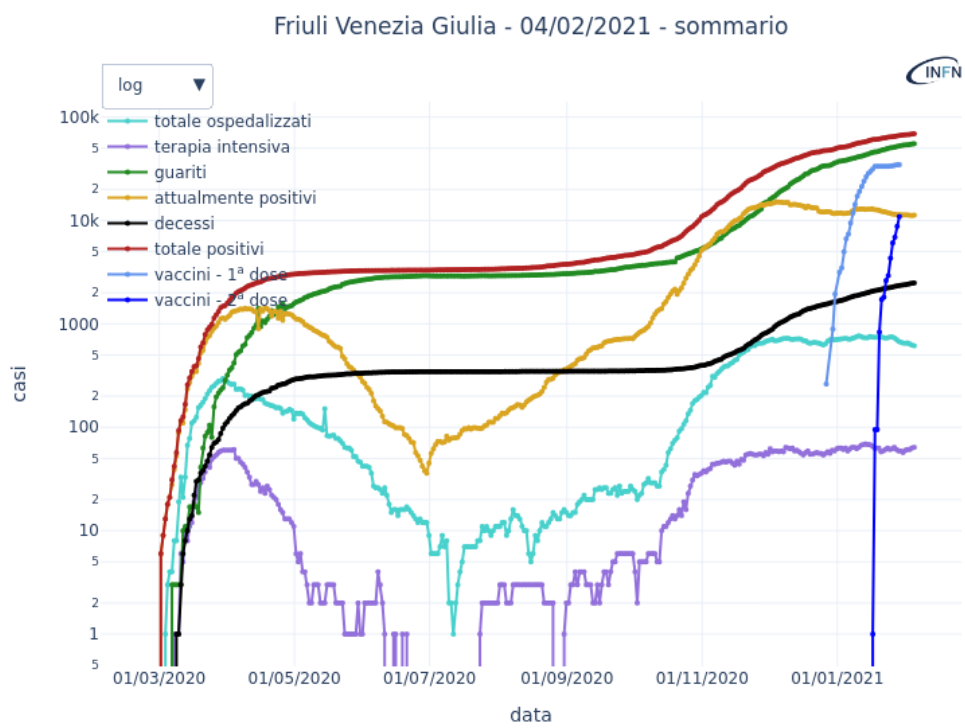


Fig. 166

Marche - decessi giornalieri - residui - 30/03/2023

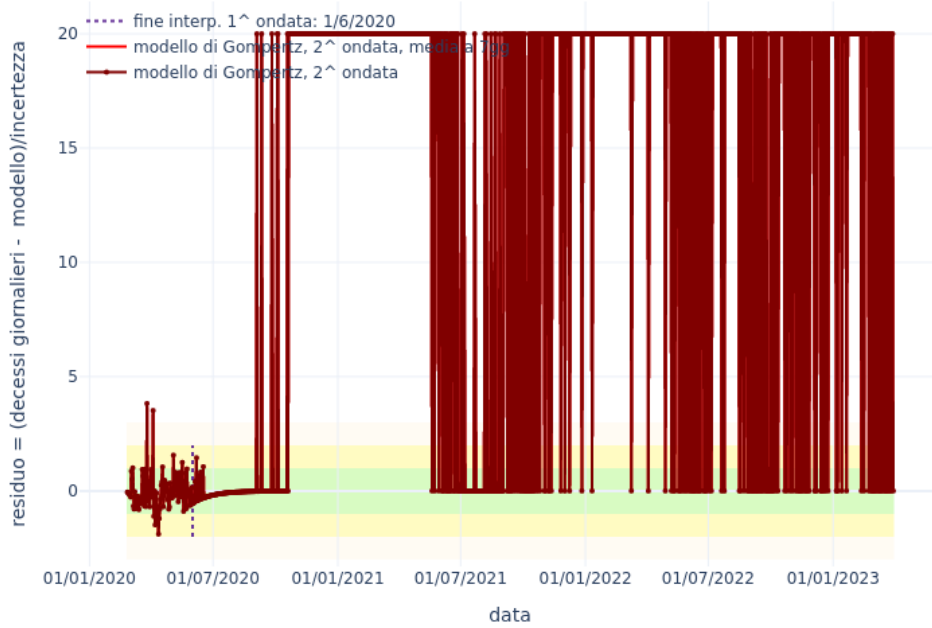


Fig. 167

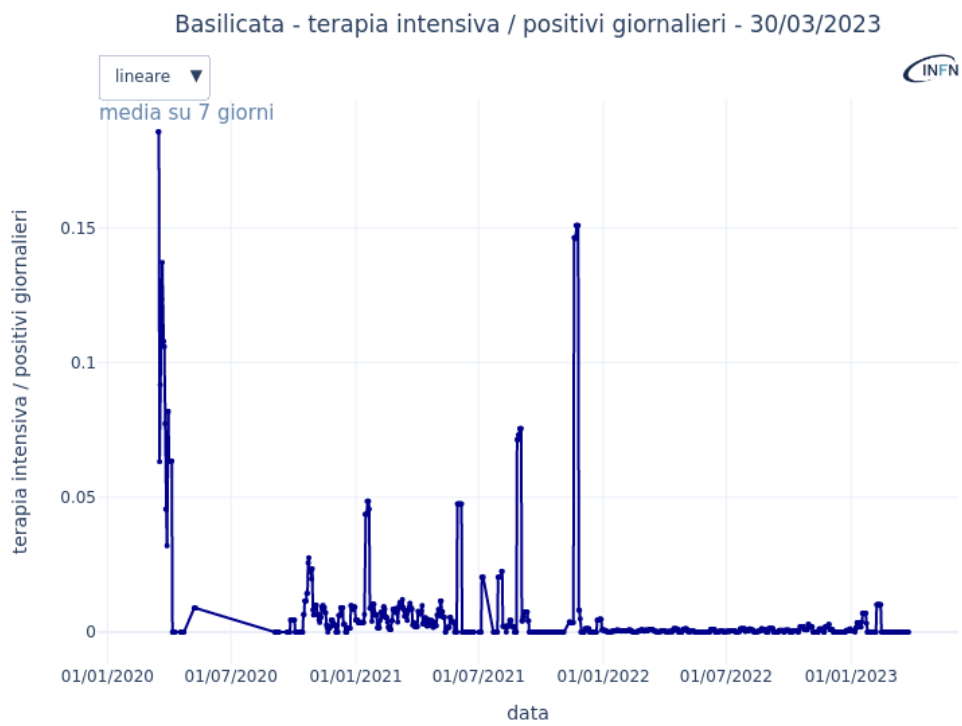


Fig. 168



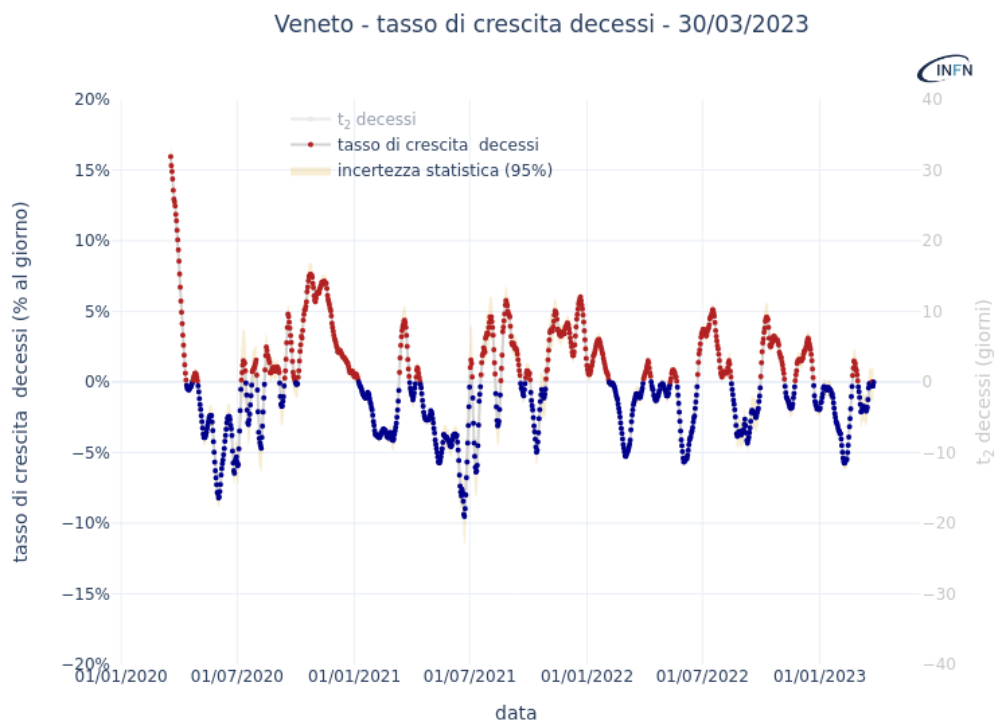


Fig. 169

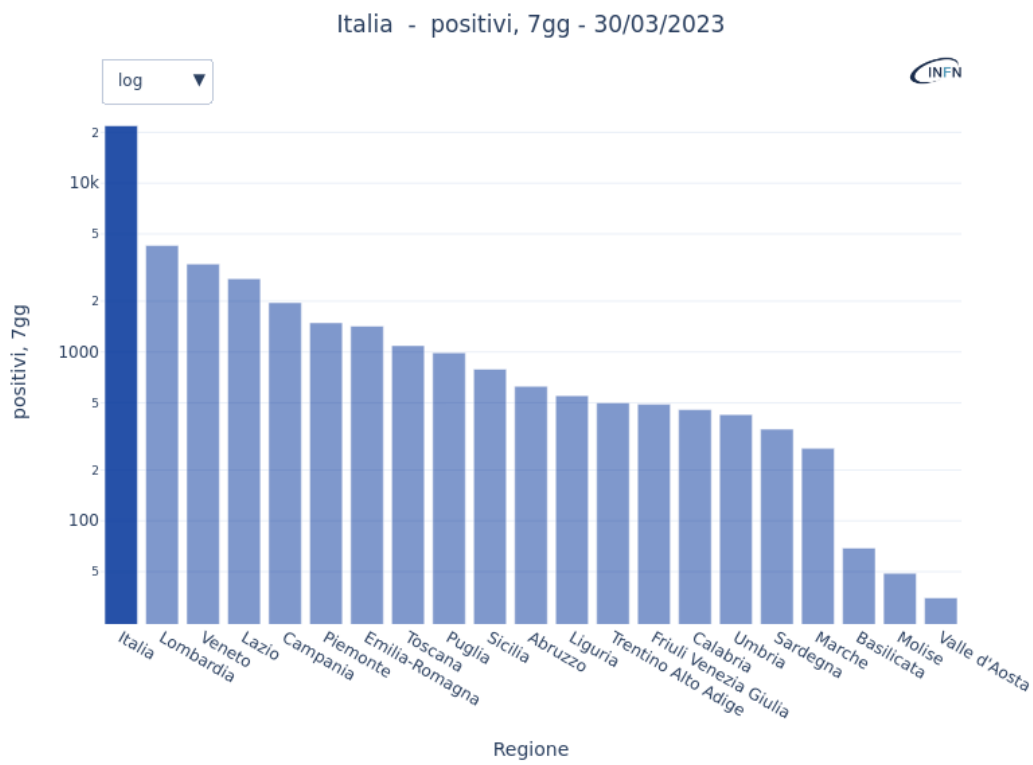


Fig. 170

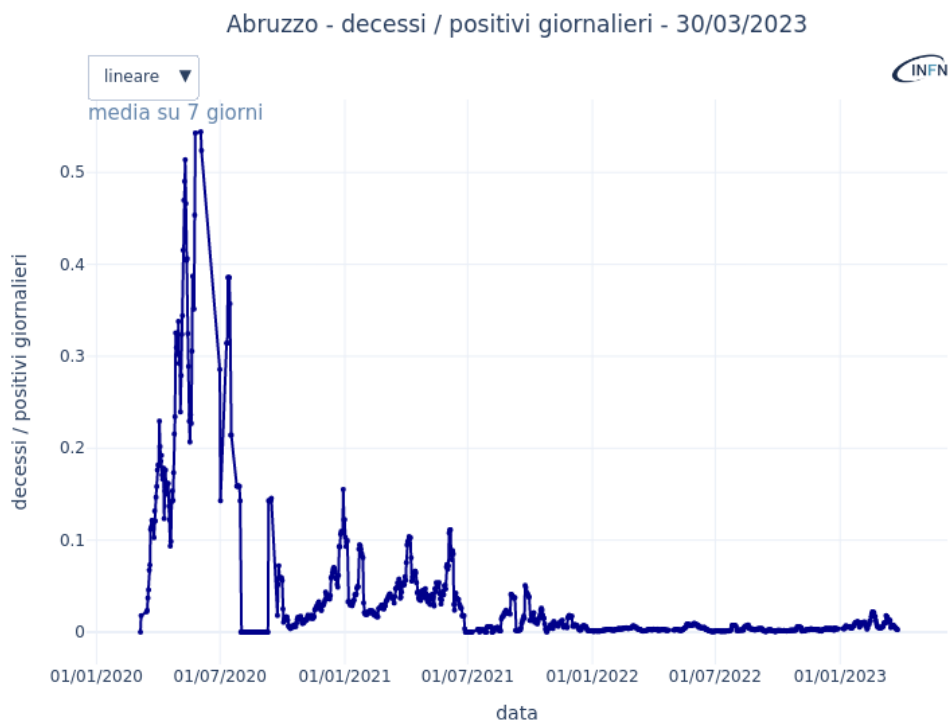


Fig. 171

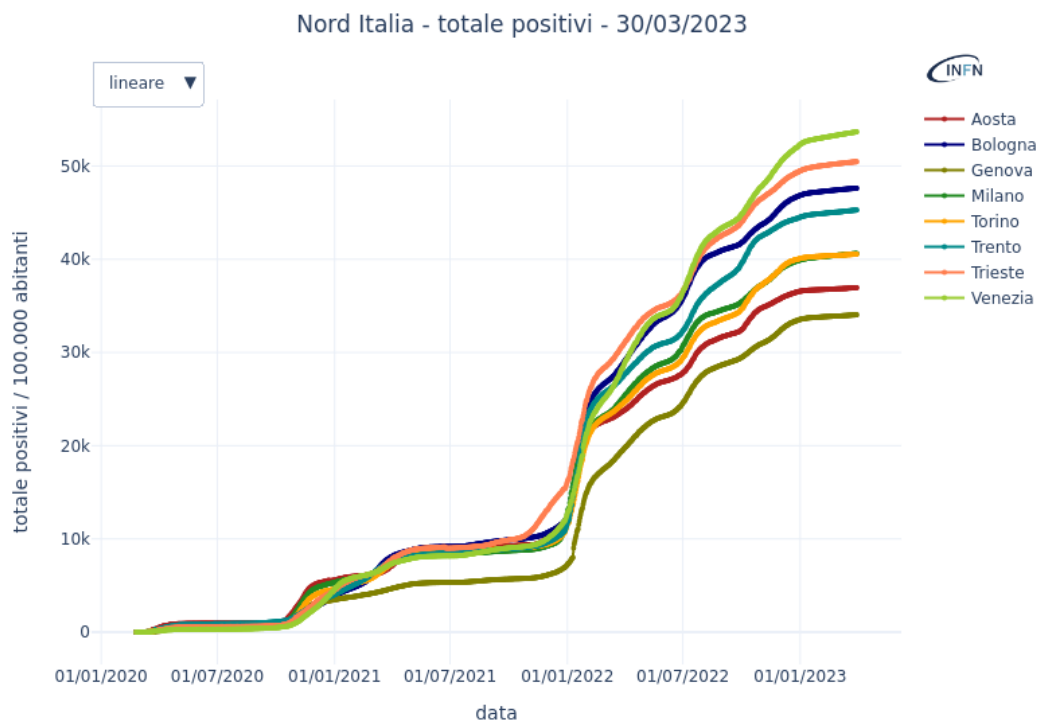


Fig. 172

Sud Italia - positivi e tamponi giornalieri - 30/03/2023

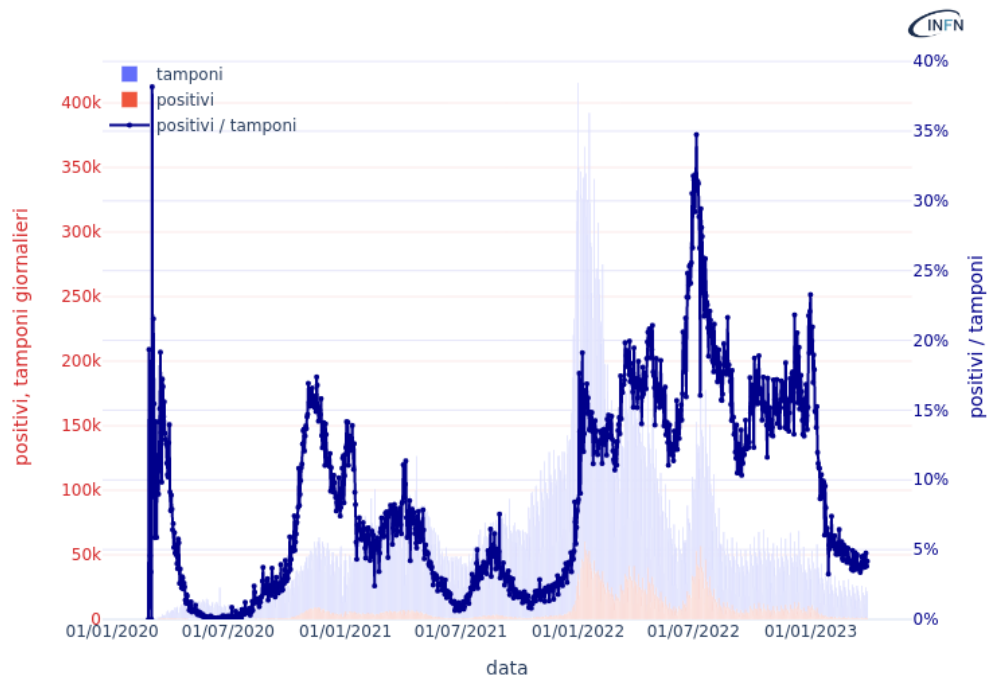


Fig. 173

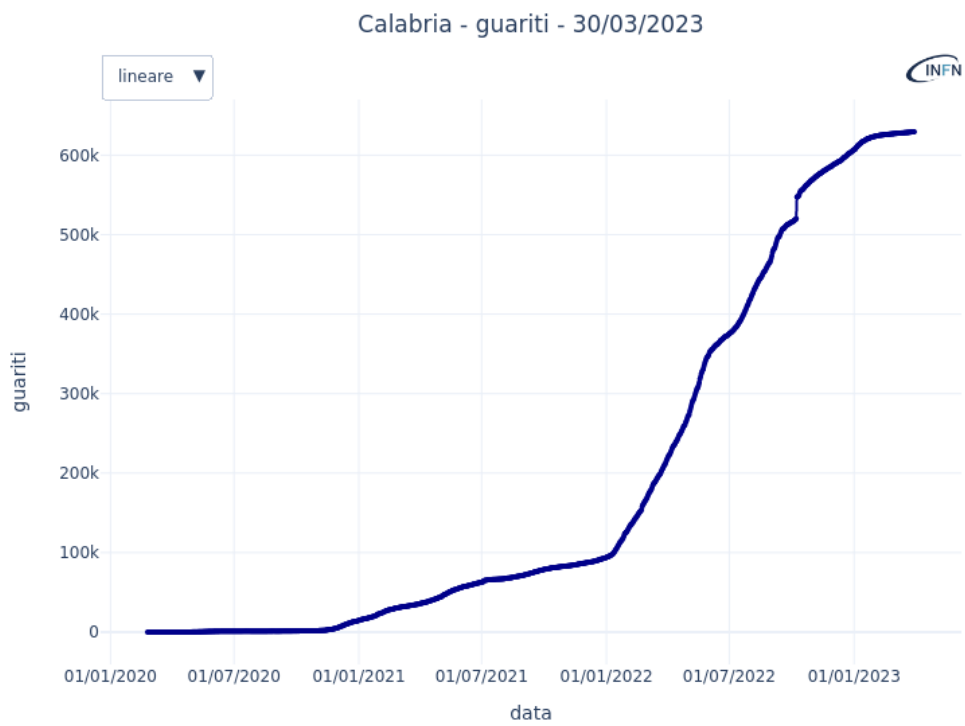


Fig. 174



Fig. 175



Fig. 176



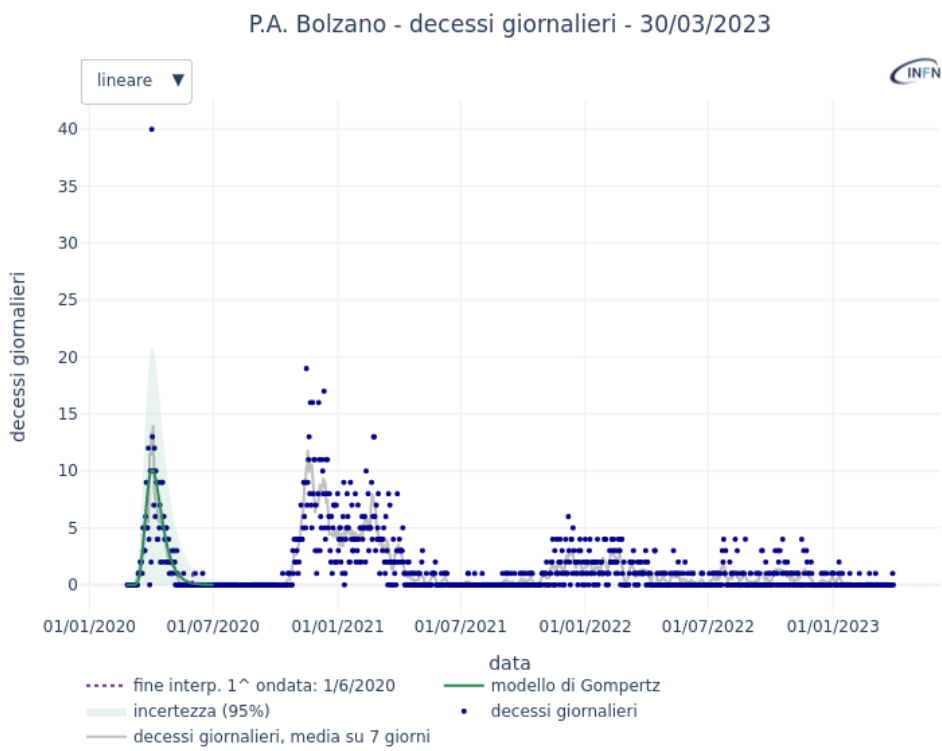


Fig. 177

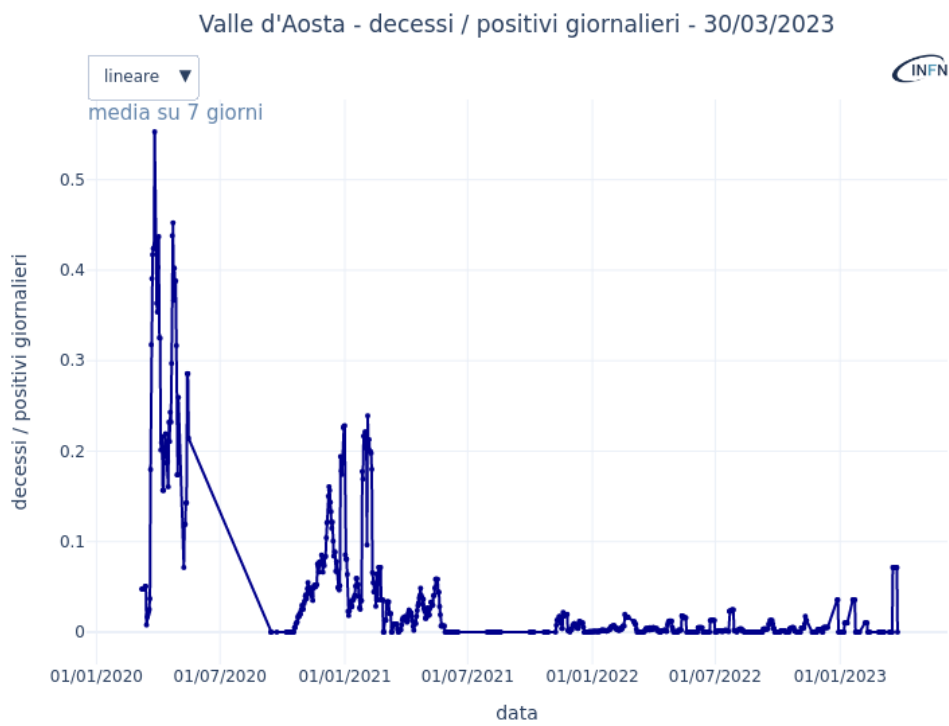


Fig. 178

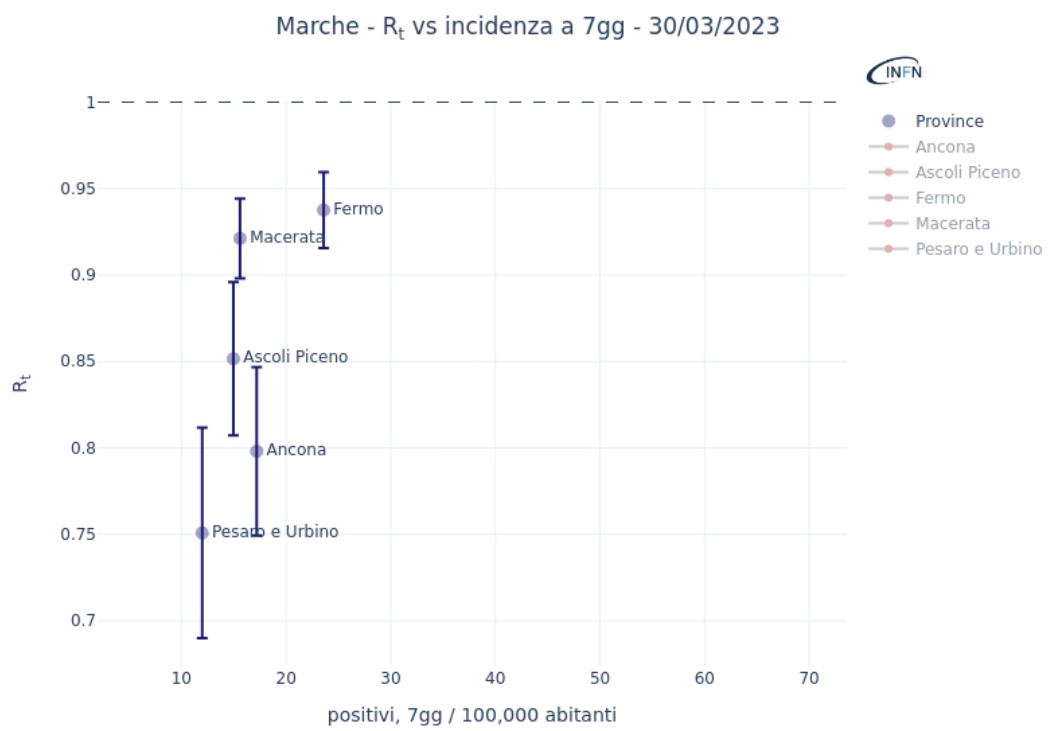


Fig. 179

Nord Italia - tempo di raddoppio terapia intensiva - 30/03/2023

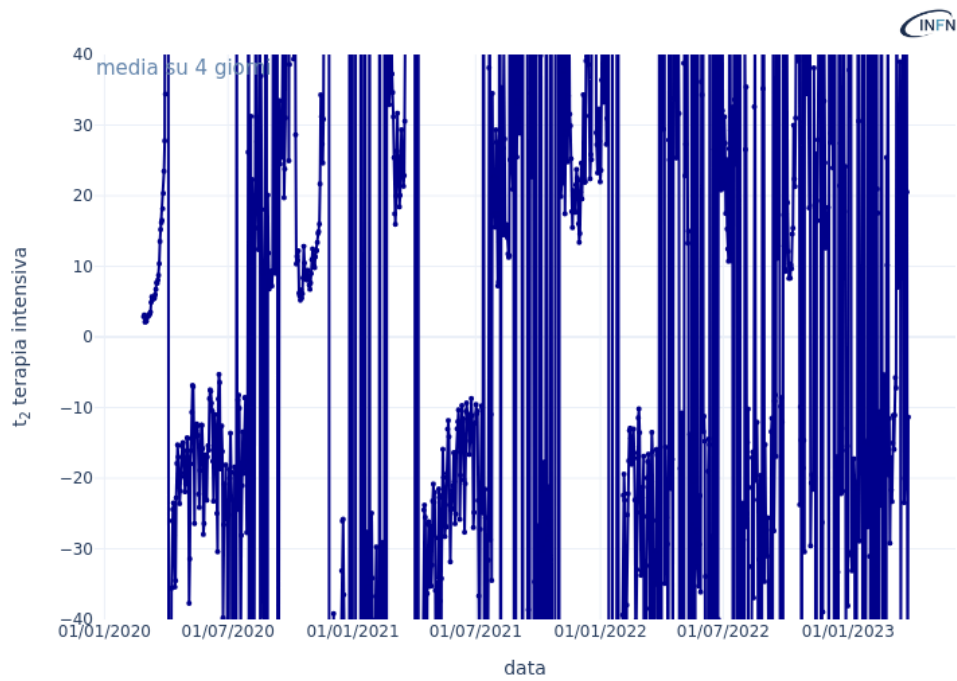


Fig. 180

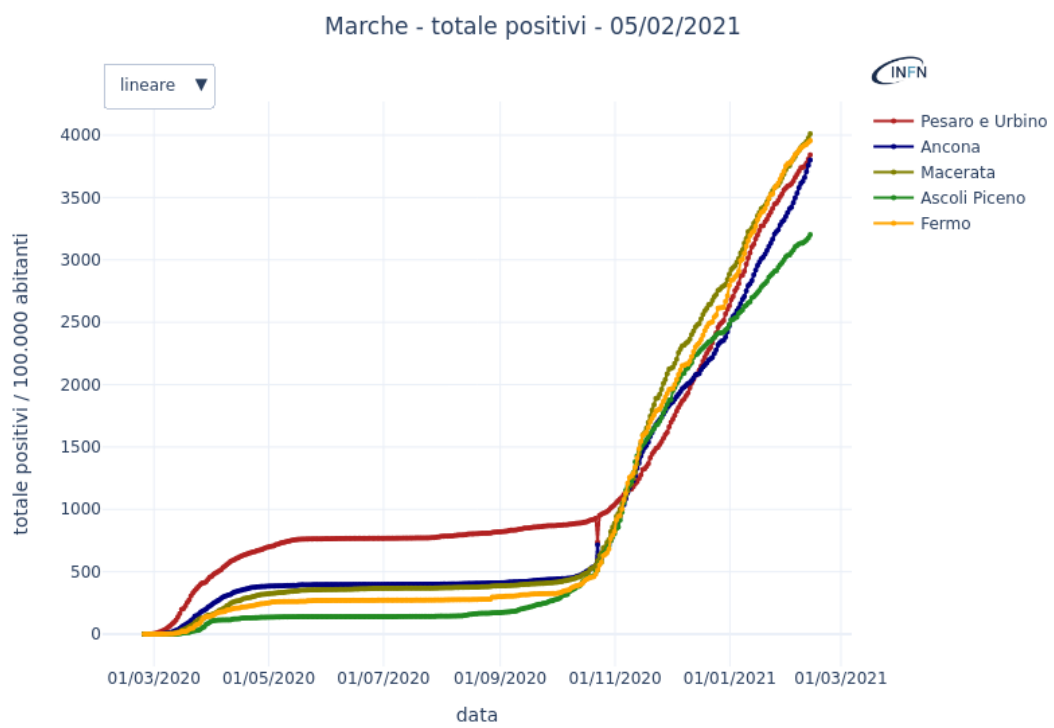


Fig. 181

Liguria - positivi e casi testati giornalieri - 30/03/2023

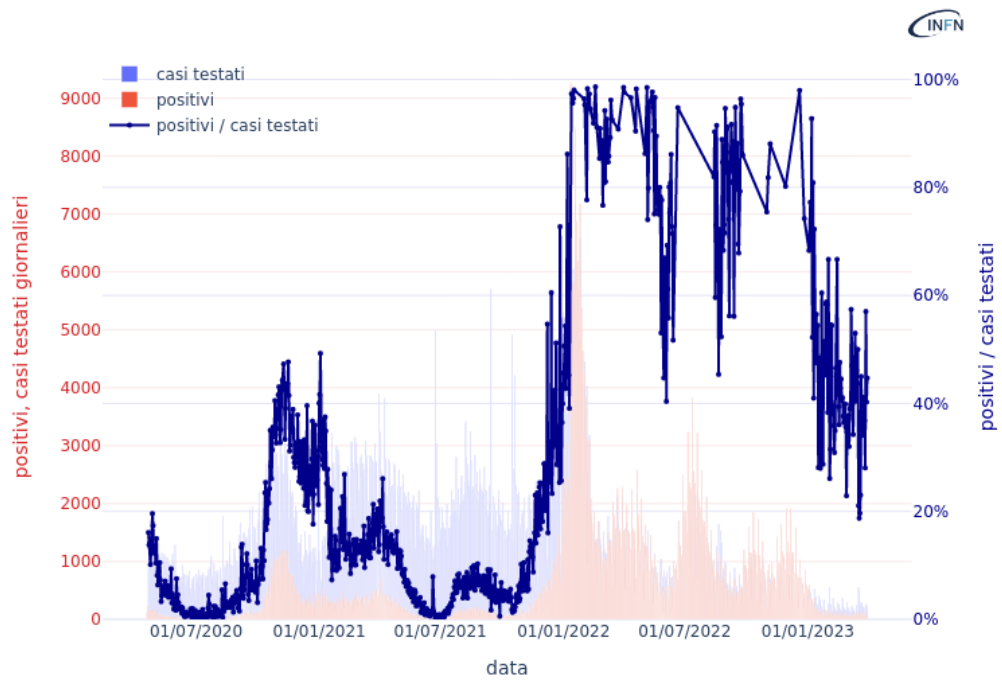


Fig. 182

Campania - tasso di crescita totale ospedalizzati - 30/03/2023

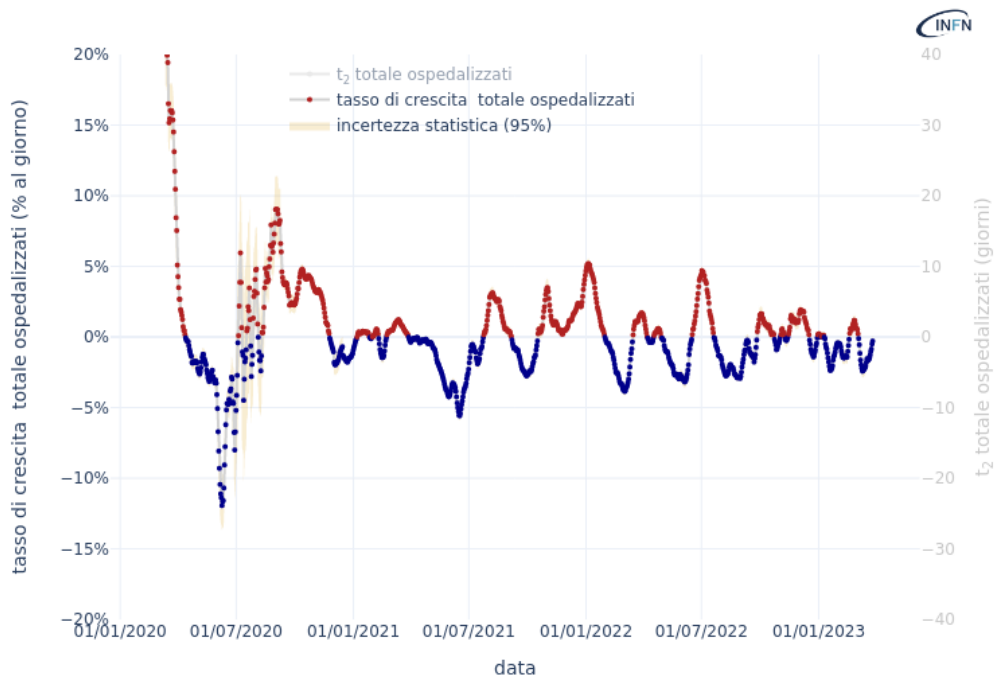


Fig. 183



Fig. 184



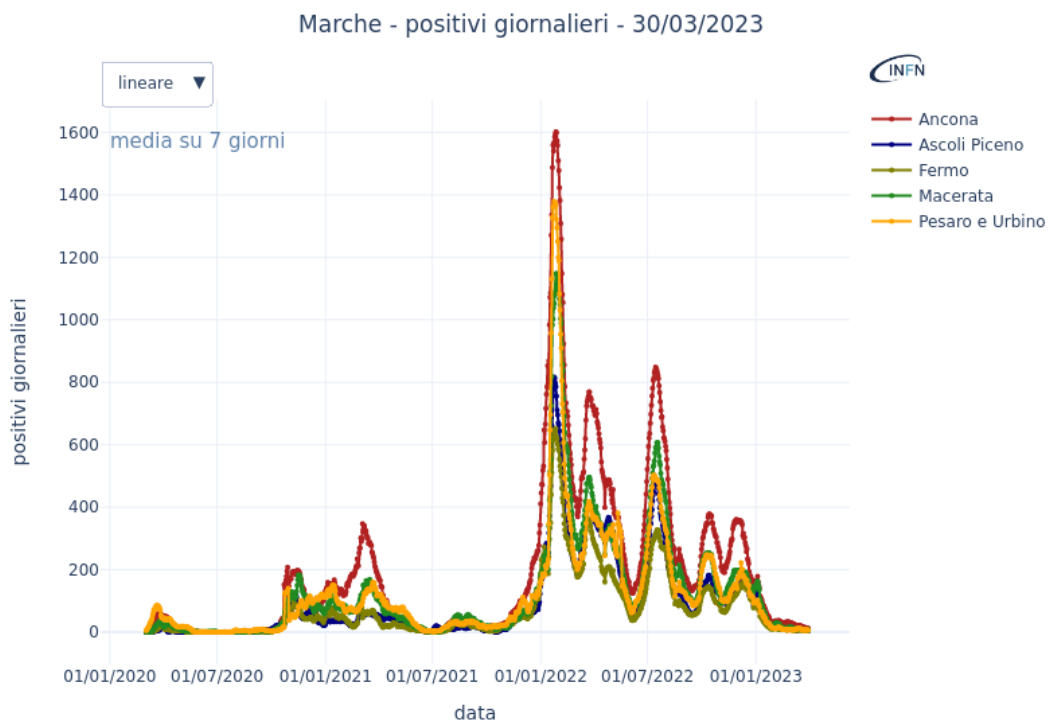


Fig. 185

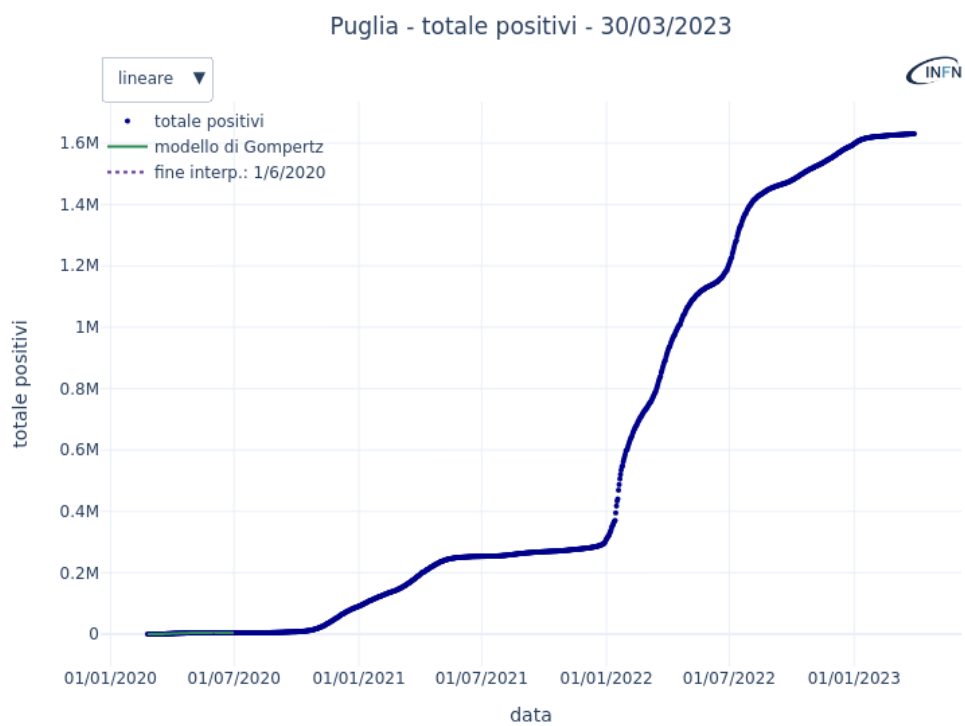


Fig. 186

Lombardia - tempo di raddoppio (inverso) decessi - 30/03/2023

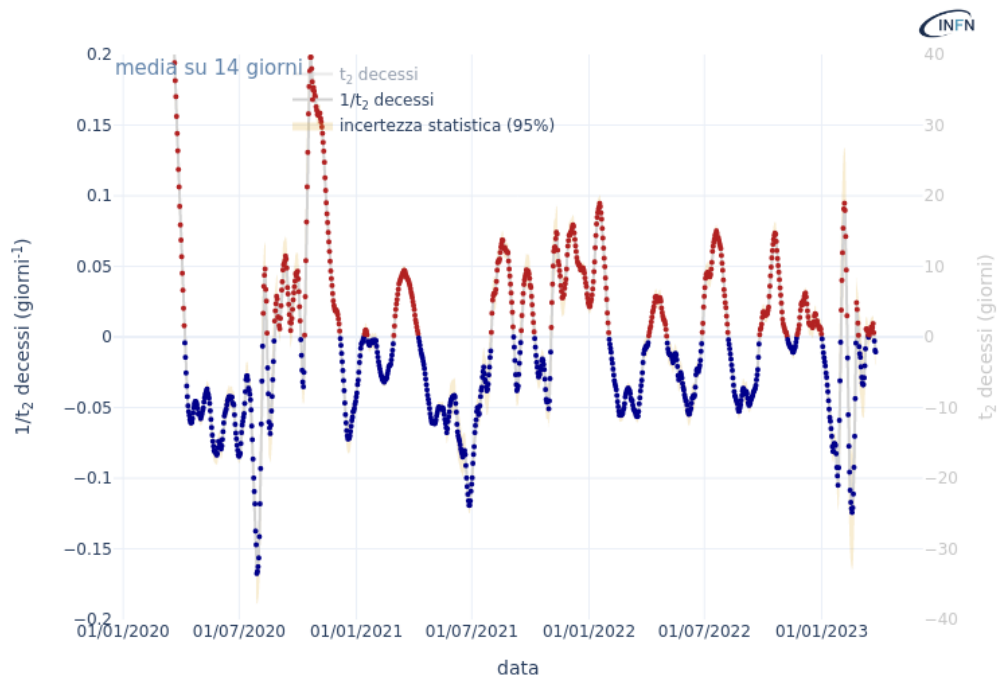


Fig. 187

Sardegna - tempo di raddoppio totale ospedalizzati - 30/03/2023

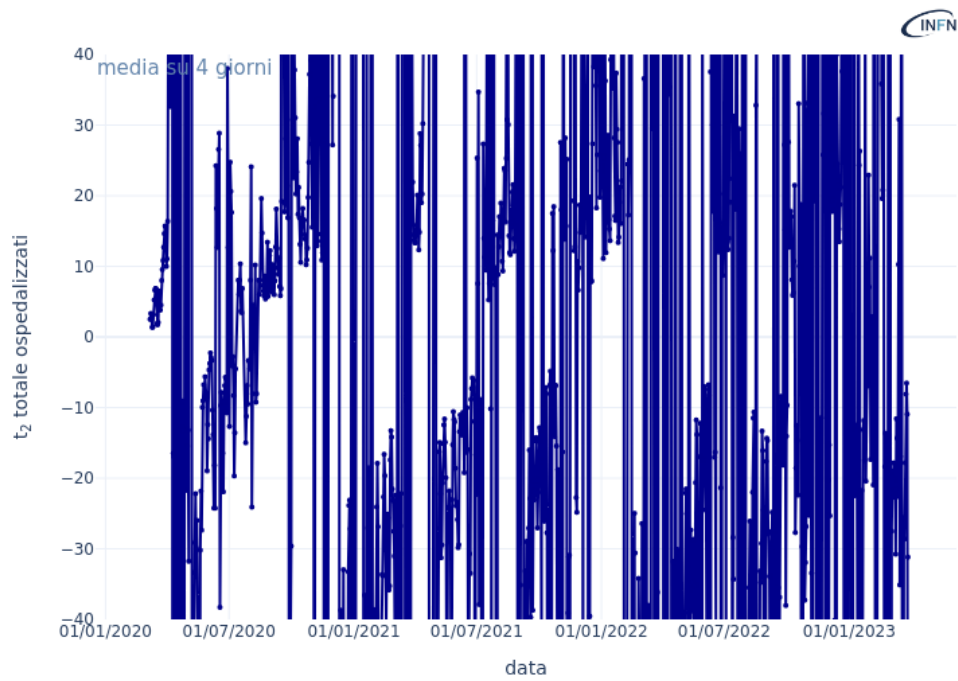


Fig. 188

Basilicata - tasso di crescita terapia intensiva - 30/03/2023

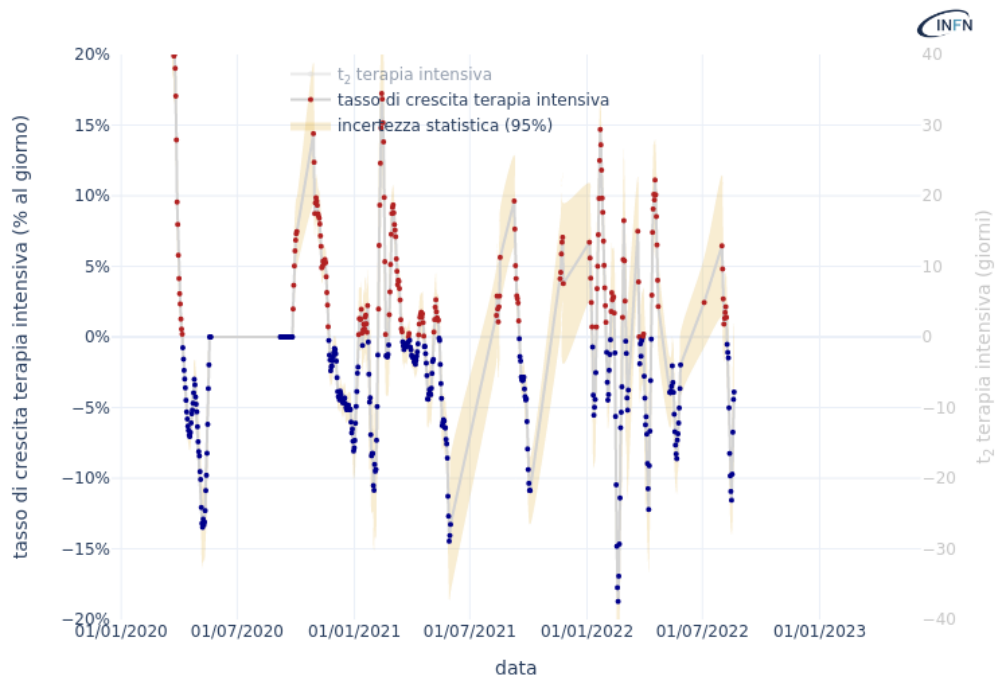


Fig. 189

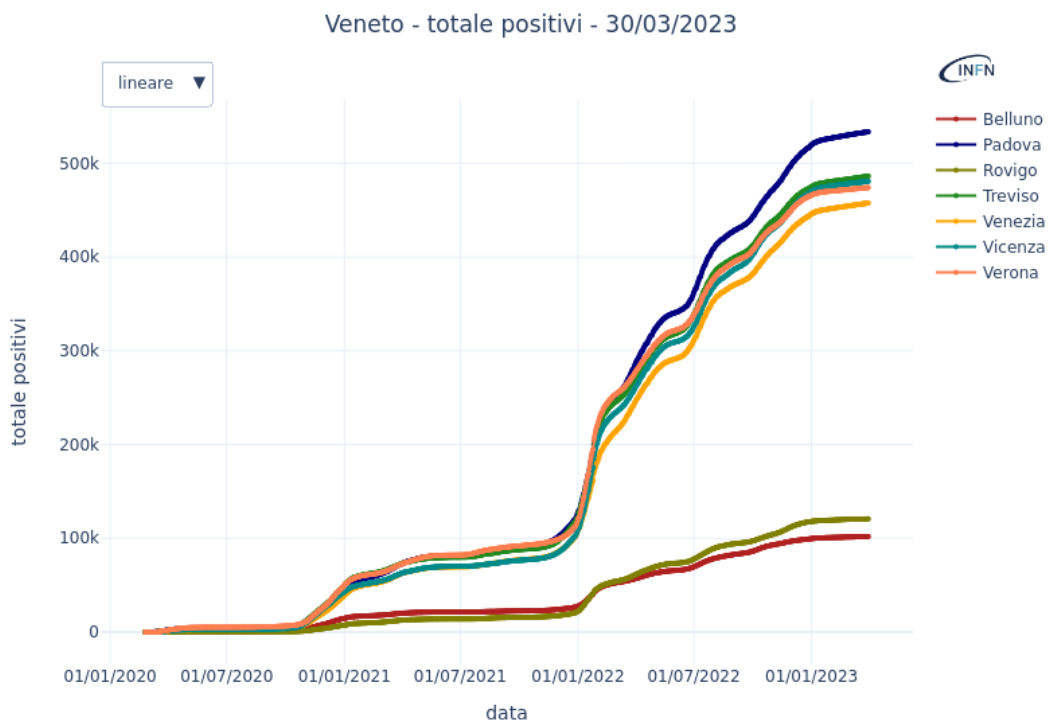


Fig. 190



Fig. 191

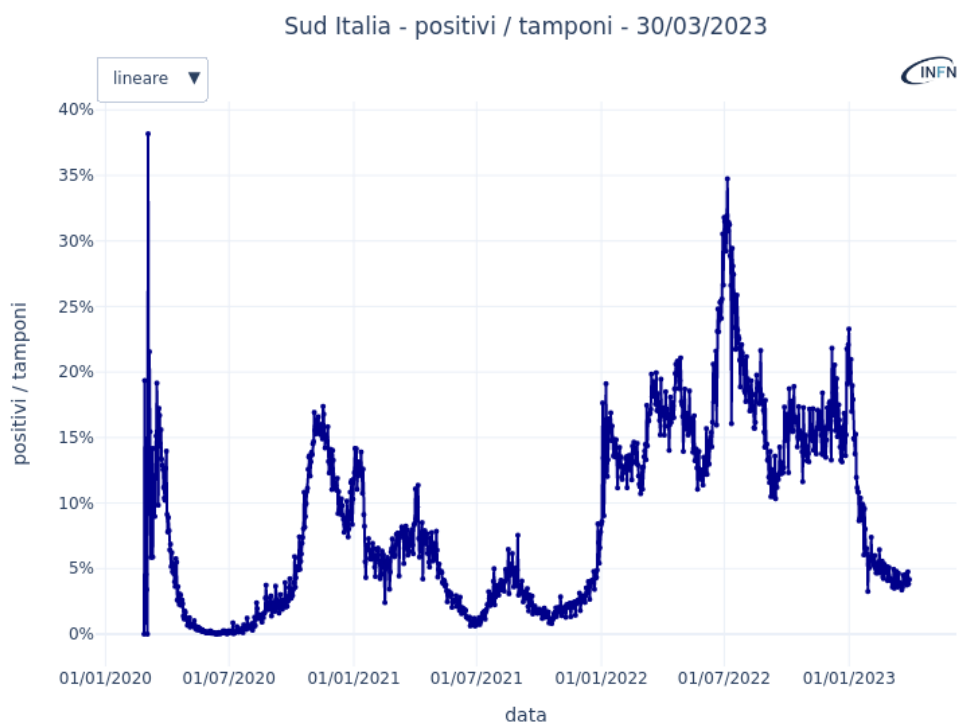


Fig. 192



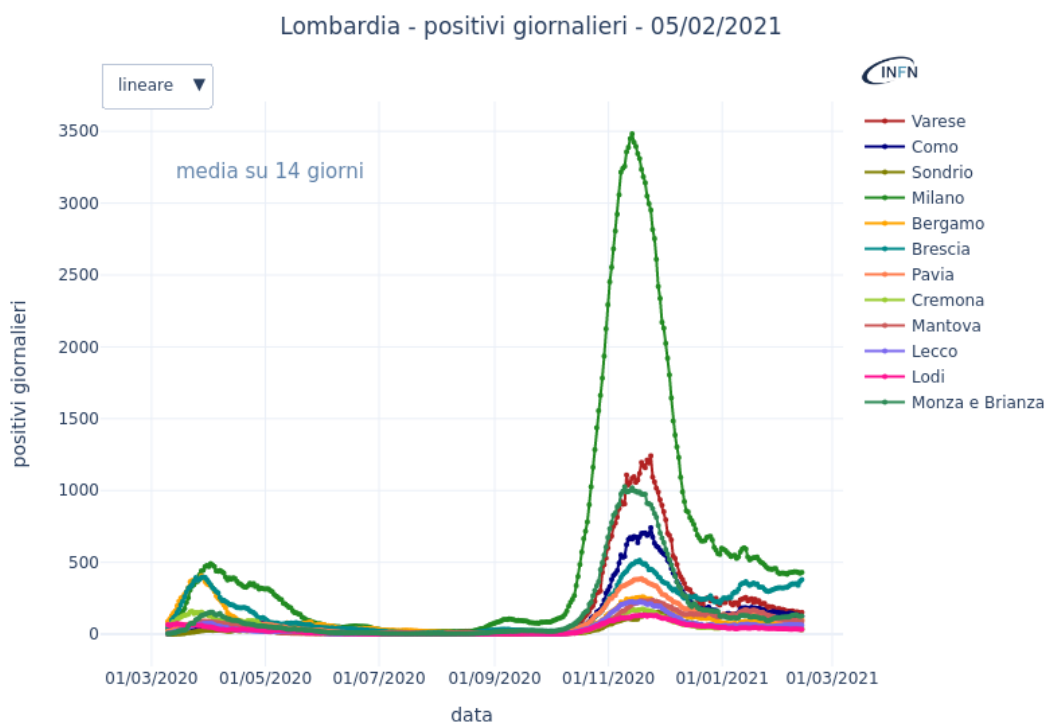


Fig. 193

Calabria - positivi e tamponi giornalieri - 30/03/2023

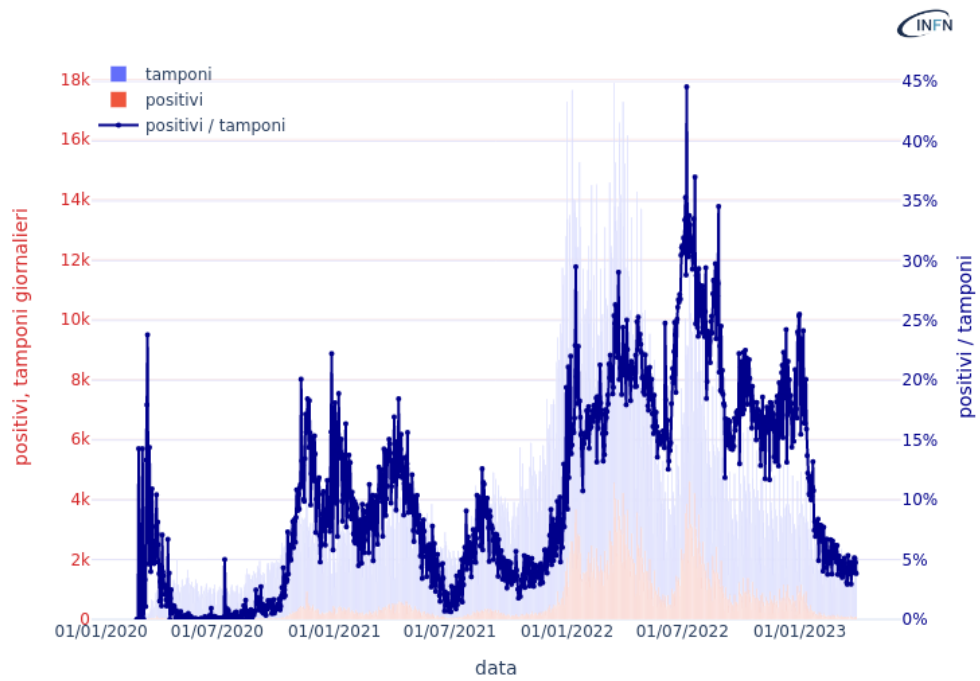


Fig. 194



Fig. 195

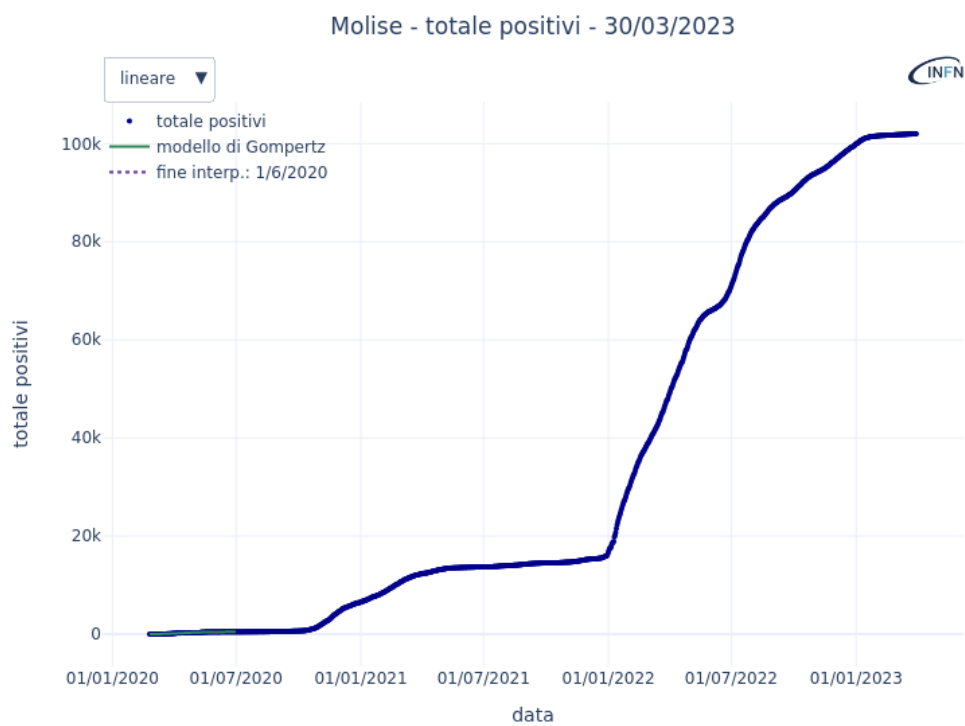


Fig. 196

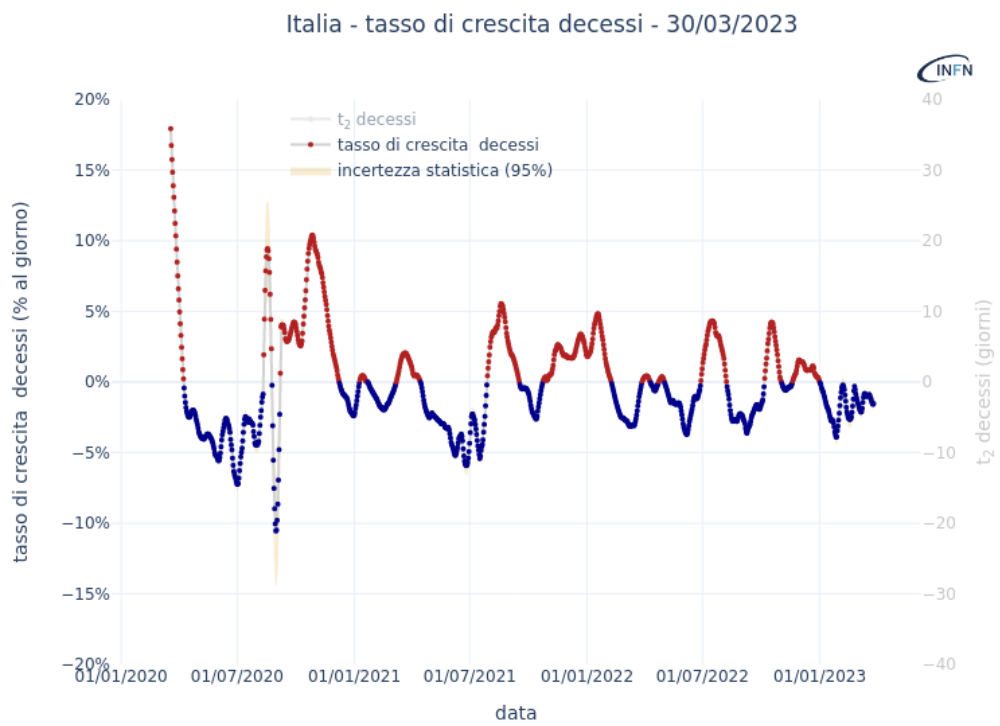


Fig. 197

Basilicata - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

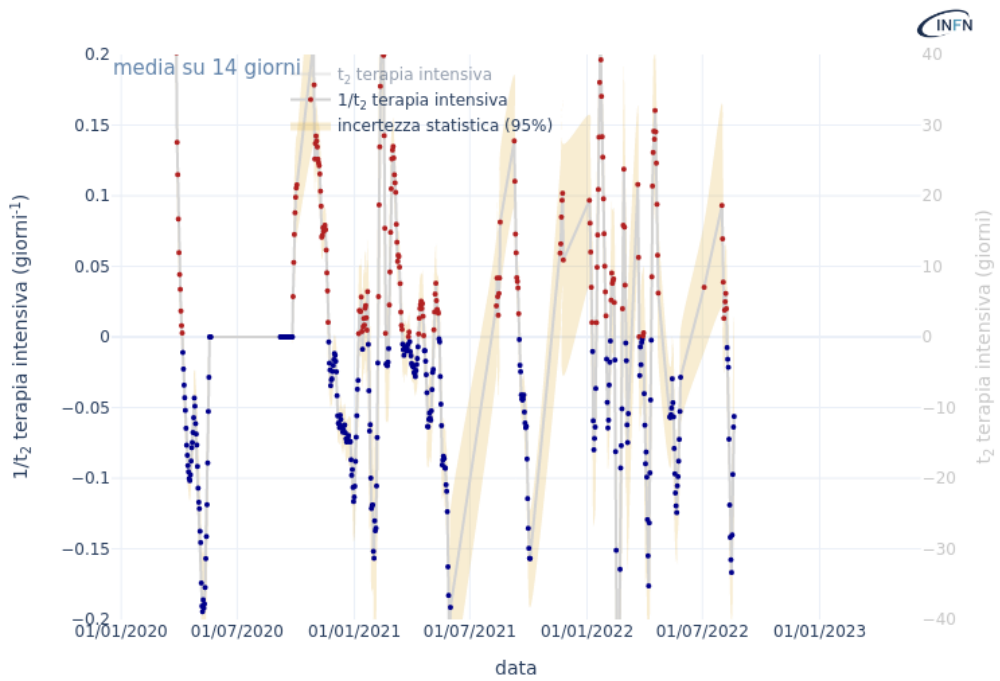


Fig. 198

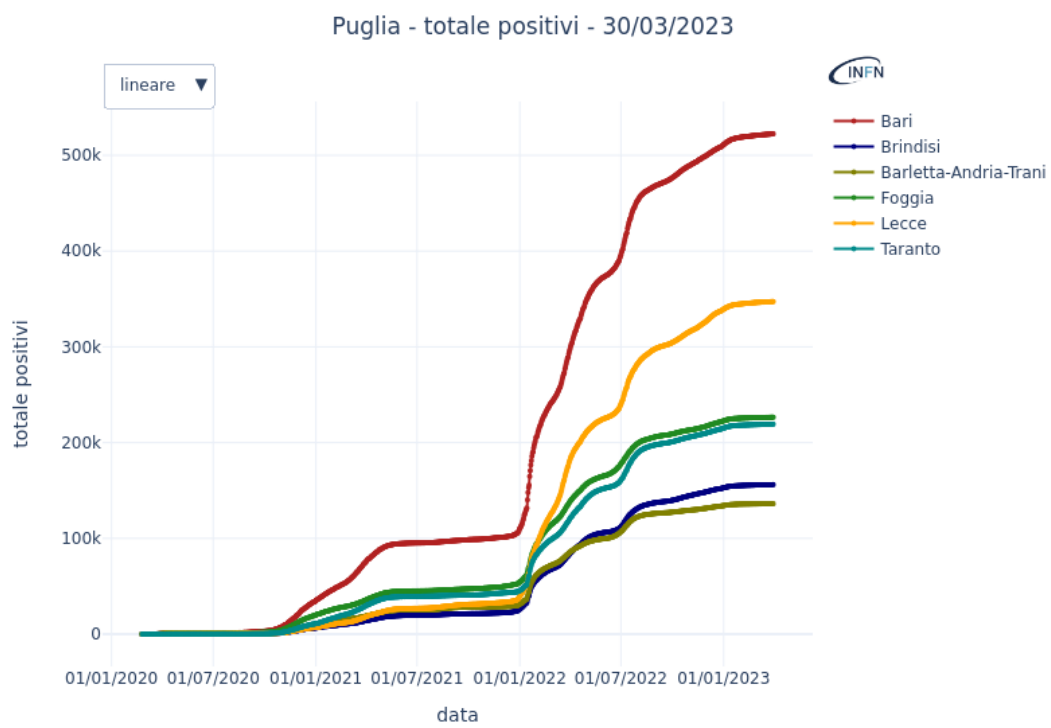


Fig. 199

Centro Italia - tempo di raddoppio totale ospedalizzati - 30/03/2023

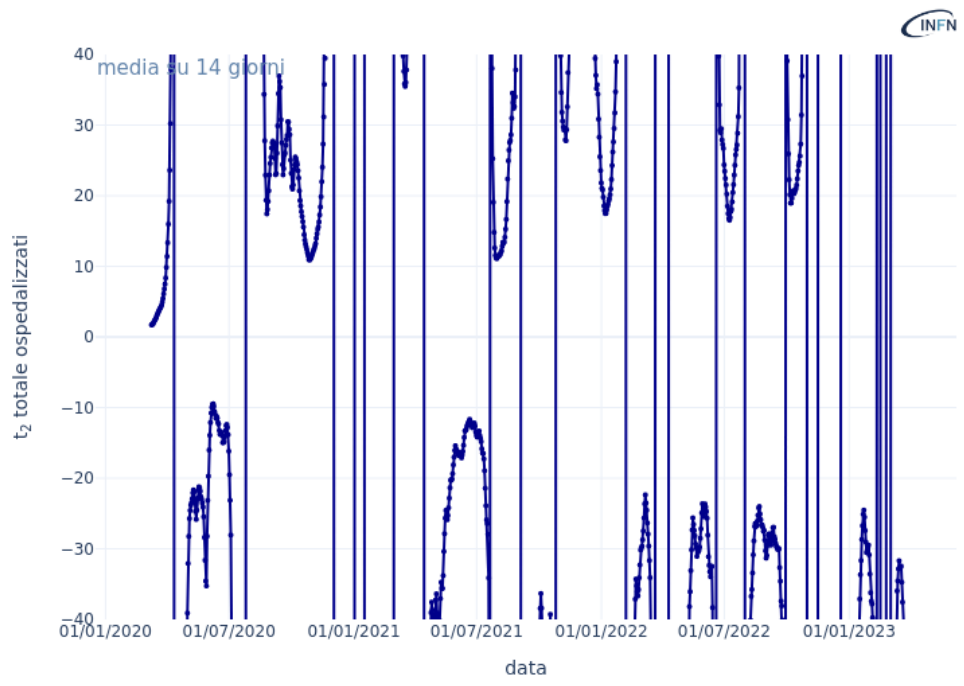


Fig. 200





Fig. 201

Campania - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

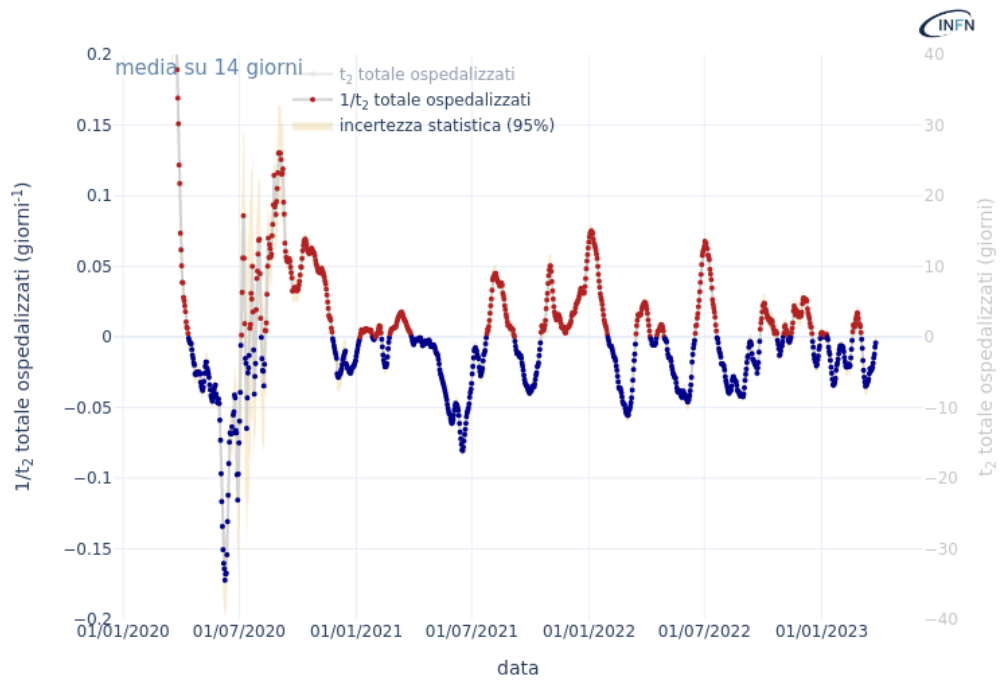


Fig. 202



Fig. 203

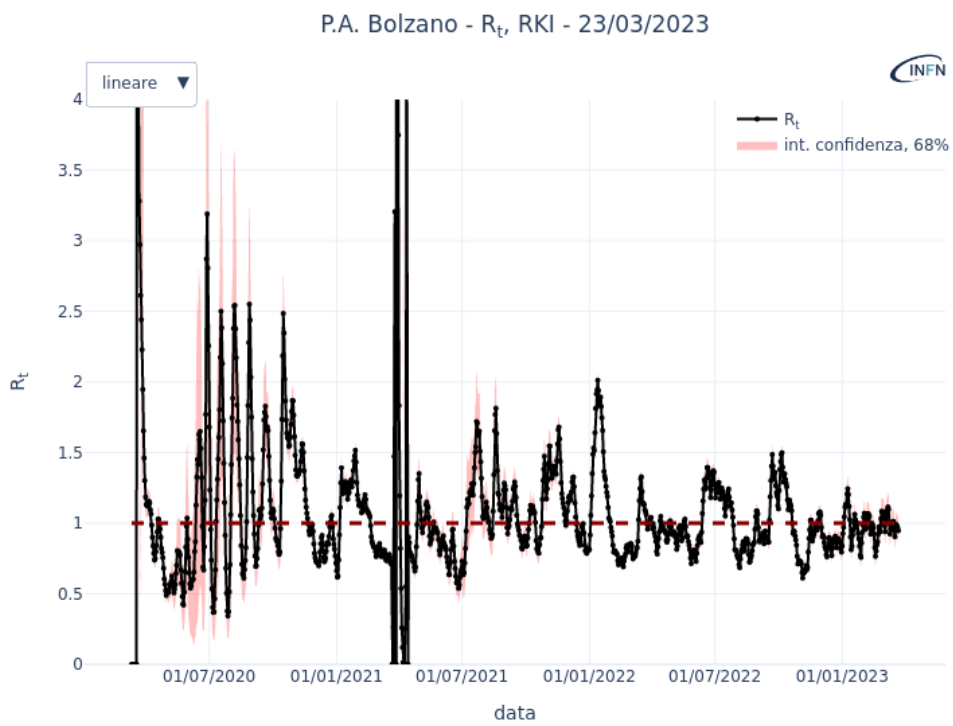


Fig. 204

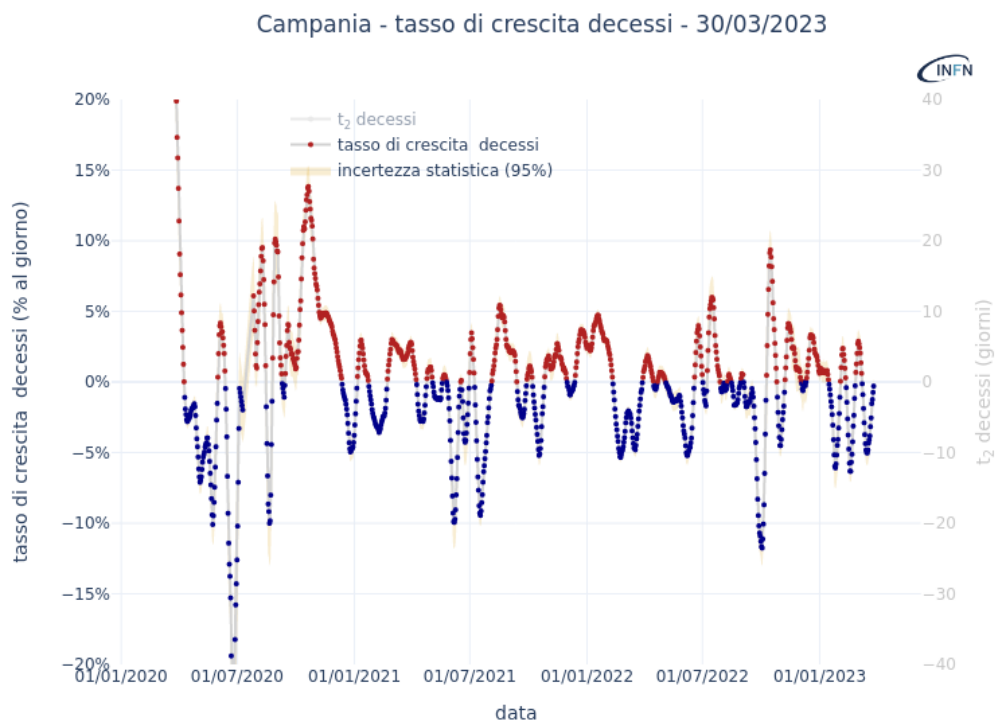


Fig. 205

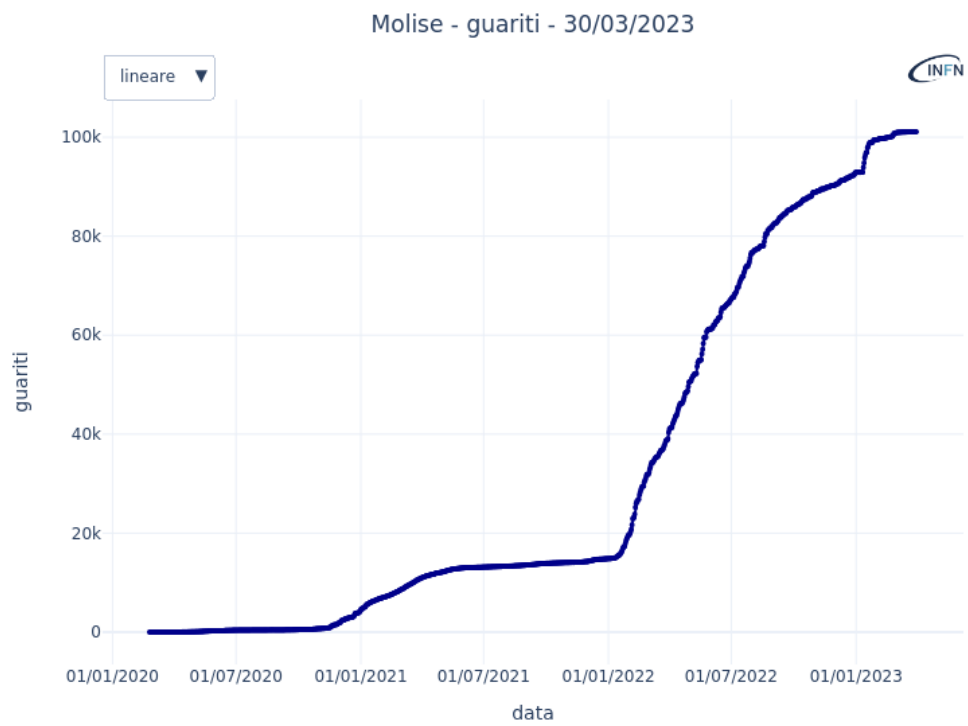


Fig. 206

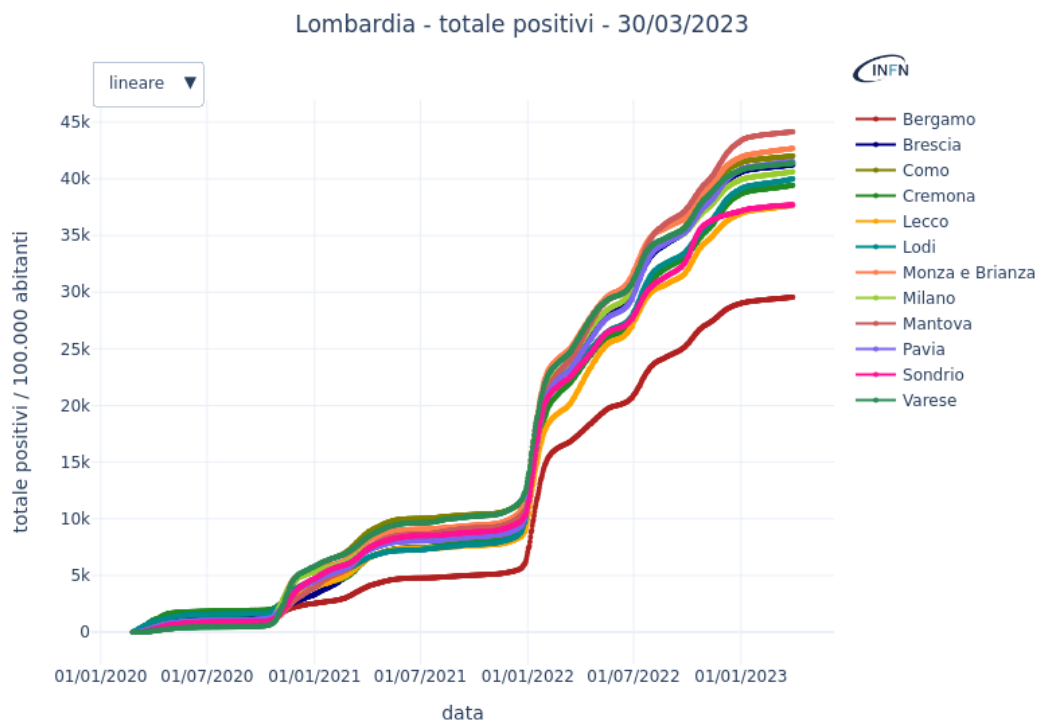


Fig. 207

Piemonte - tempo di raddoppio (inverso) totale positivi - 30/03/2023

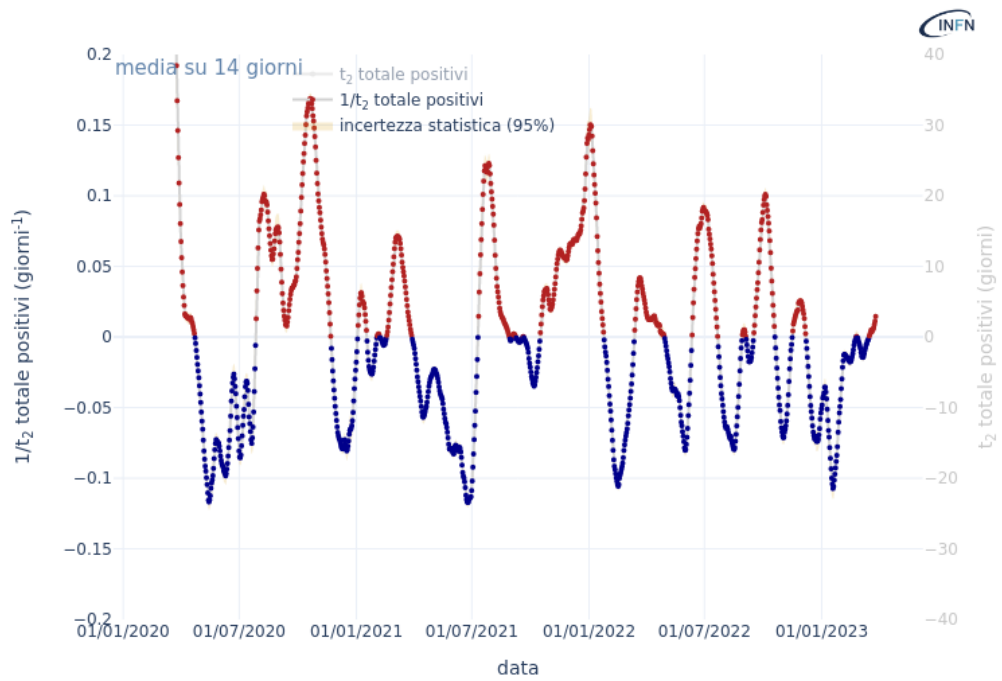


Fig. 208



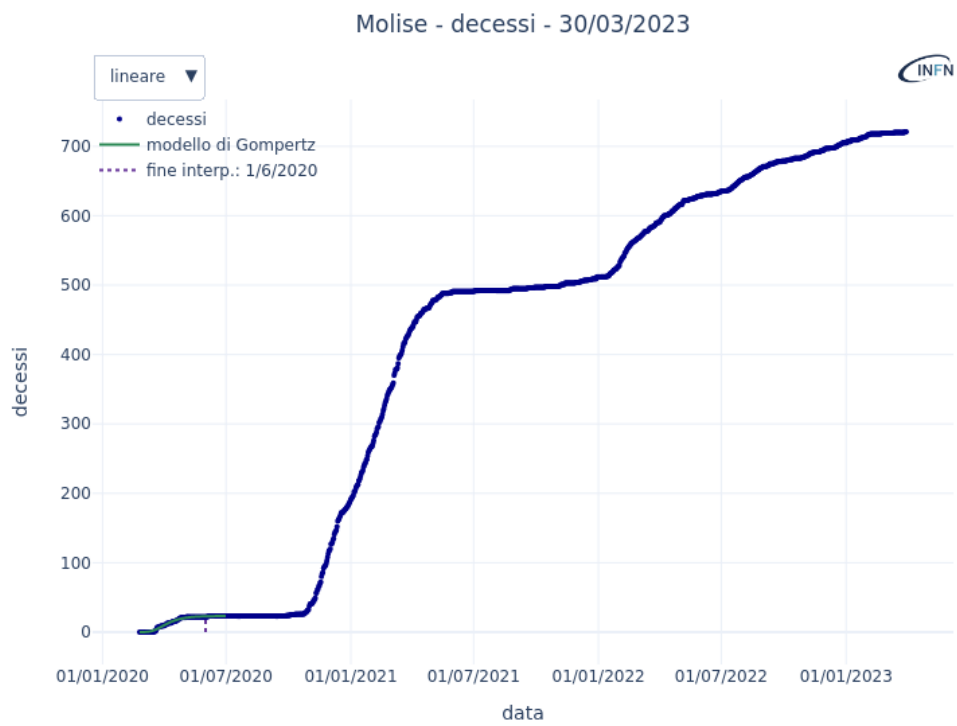


Fig. 209

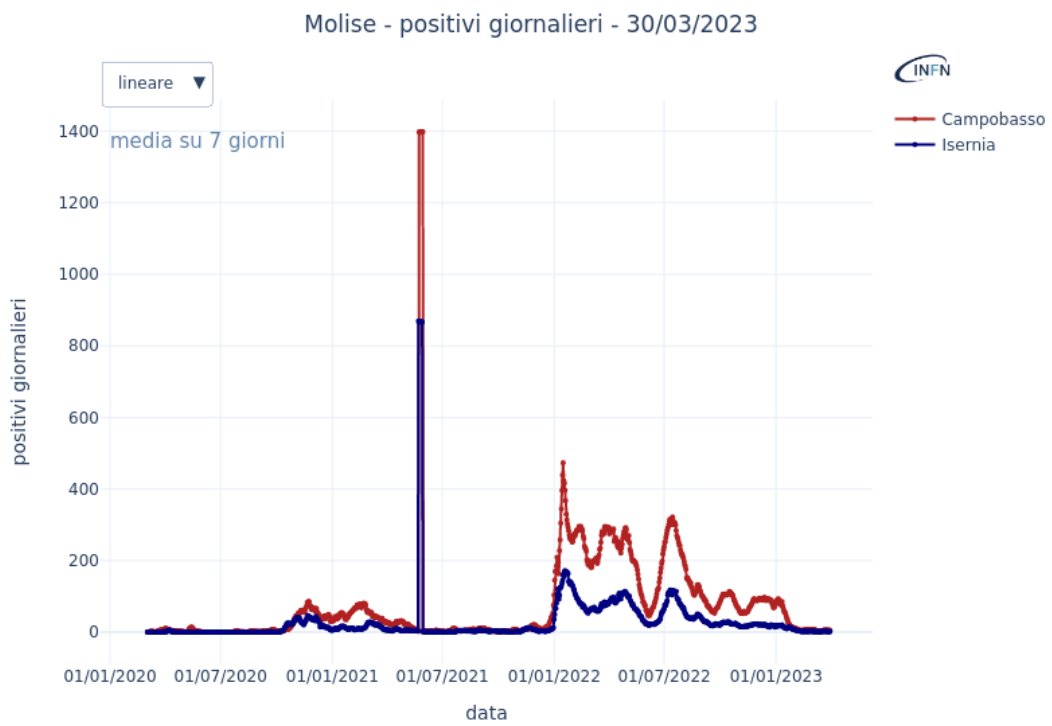


Fig. 210

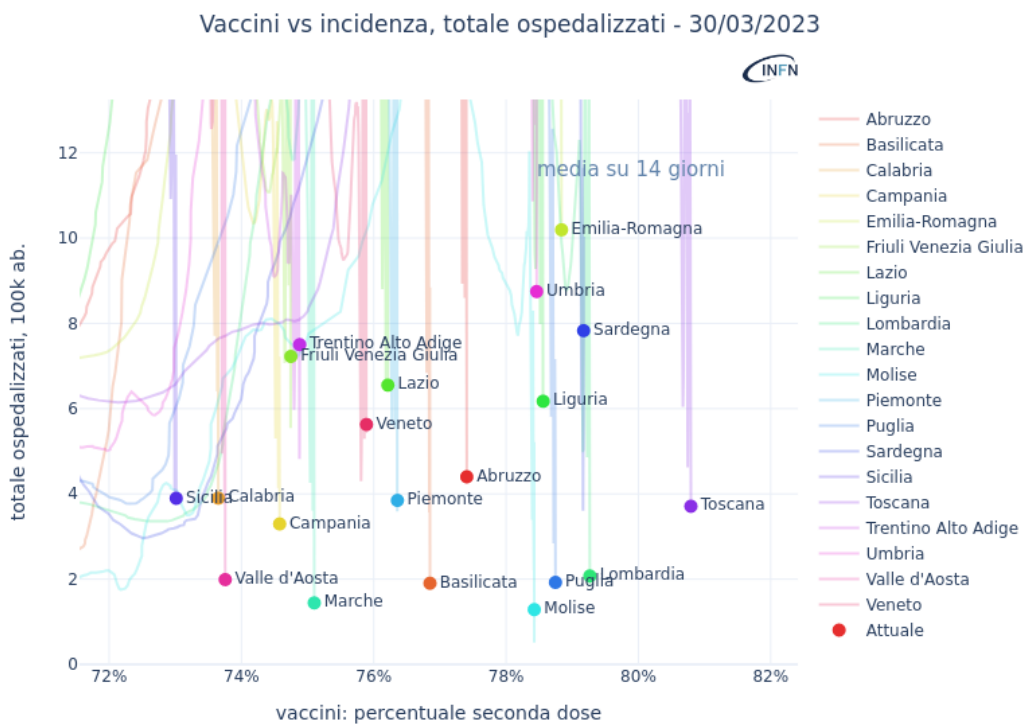


Fig. 211

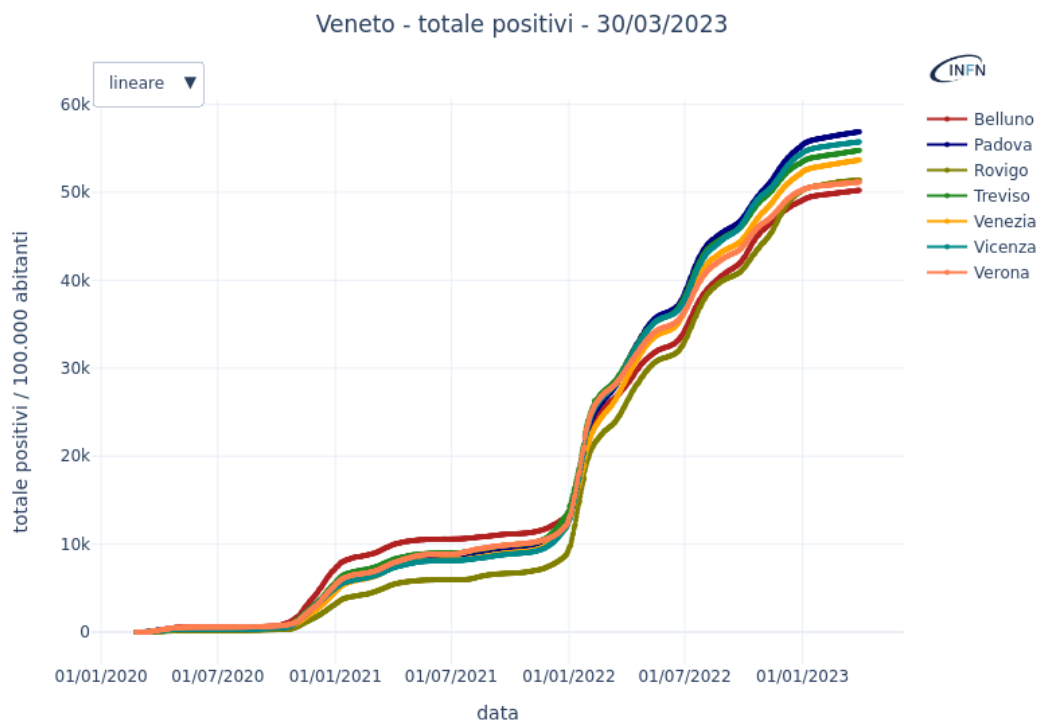


Fig. 212

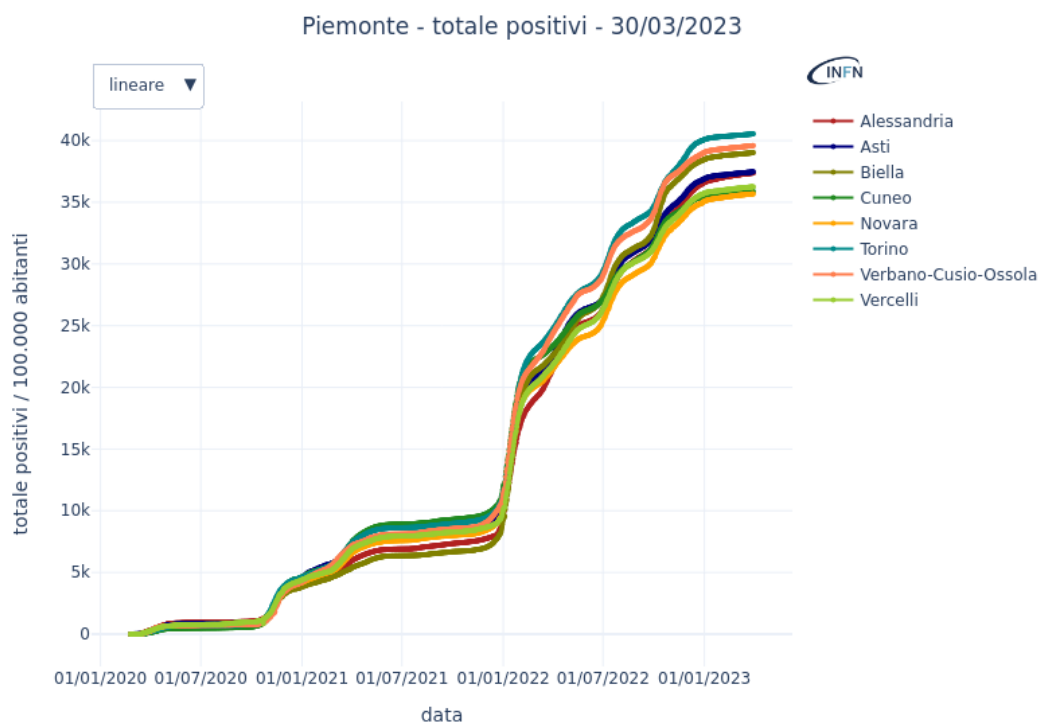


Fig. 213



Fig. 214

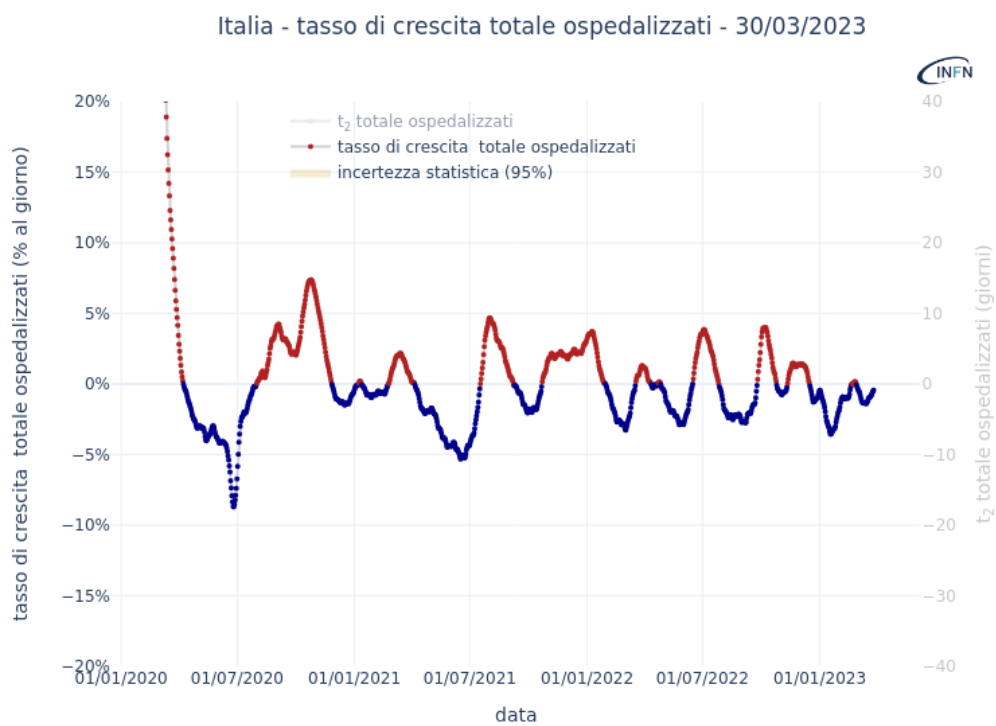


Fig. 215

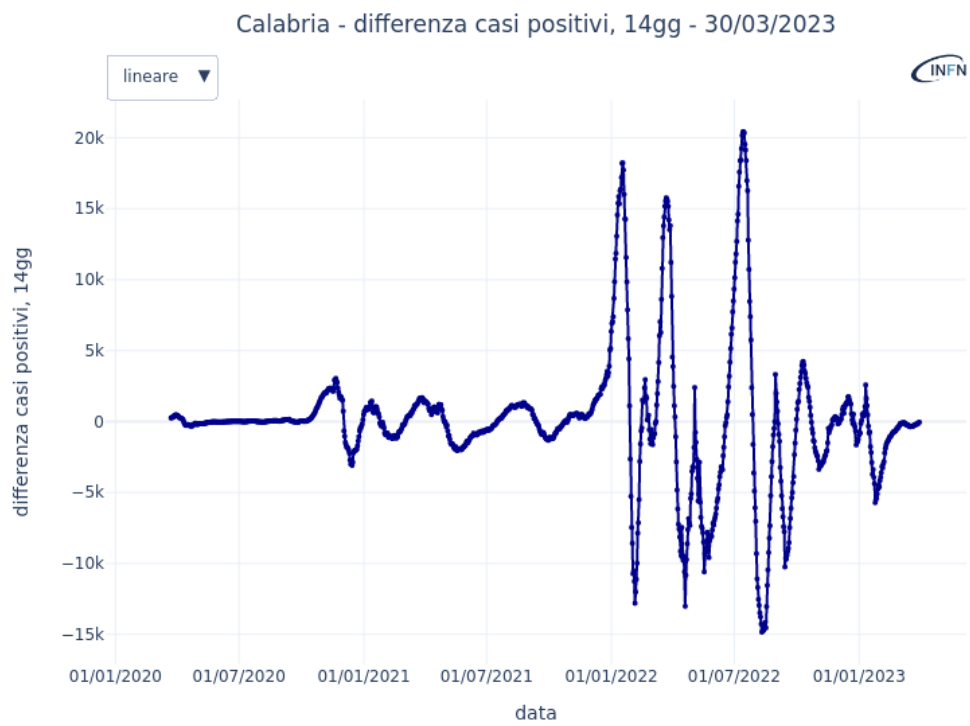


Fig. 216



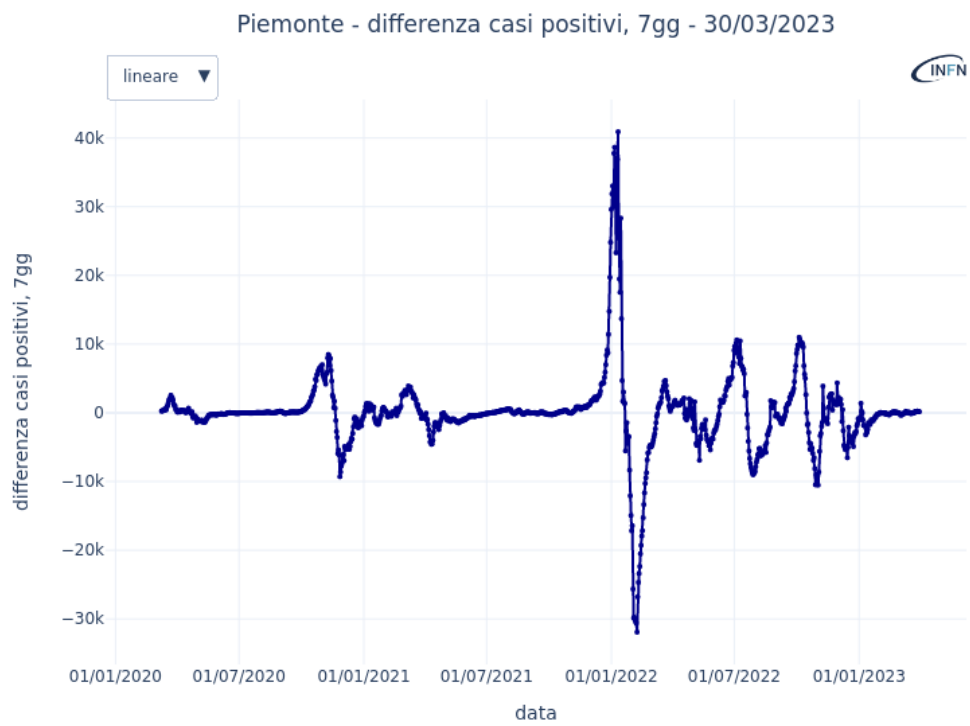


Fig. 217

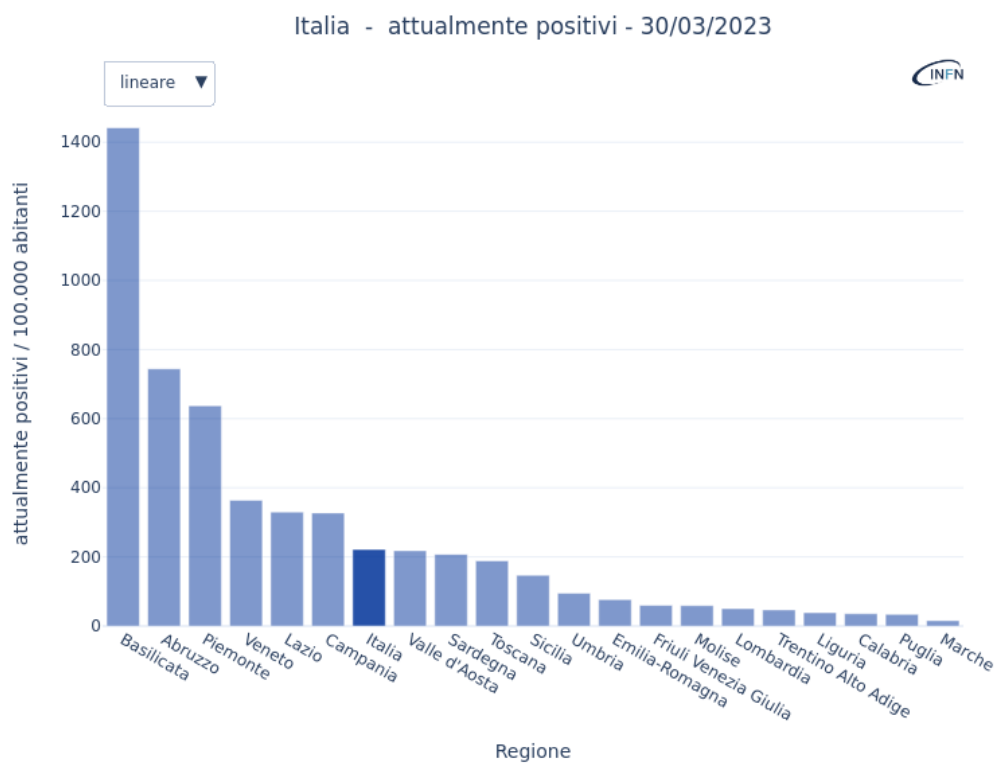


Fig. 218

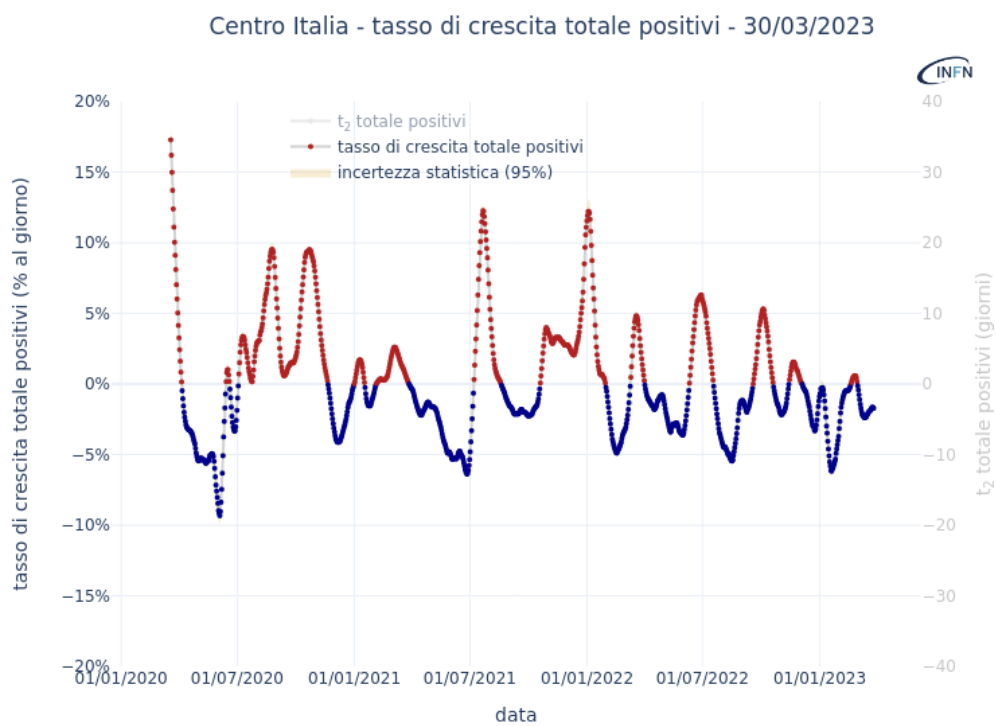


Fig. 219

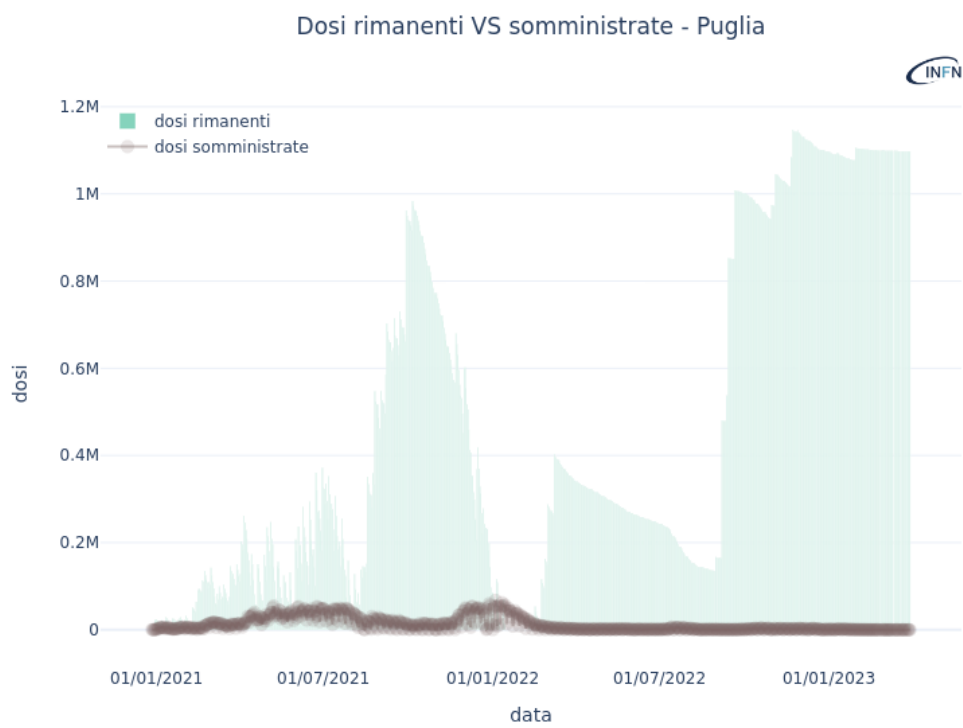


Fig. 220

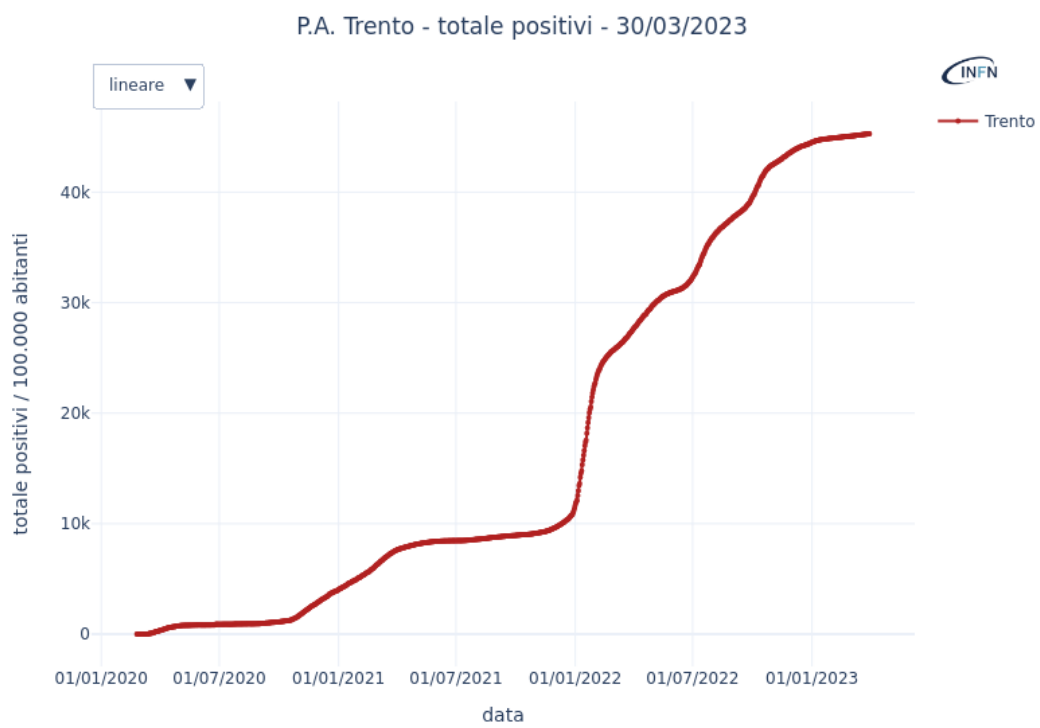


Fig. 221

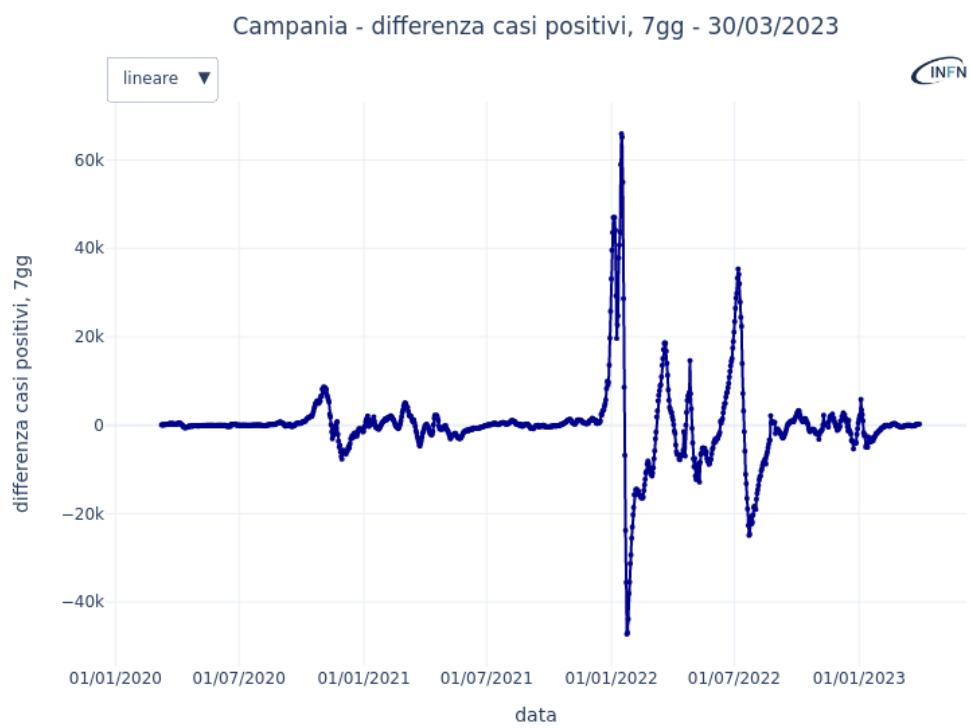


Fig. 222

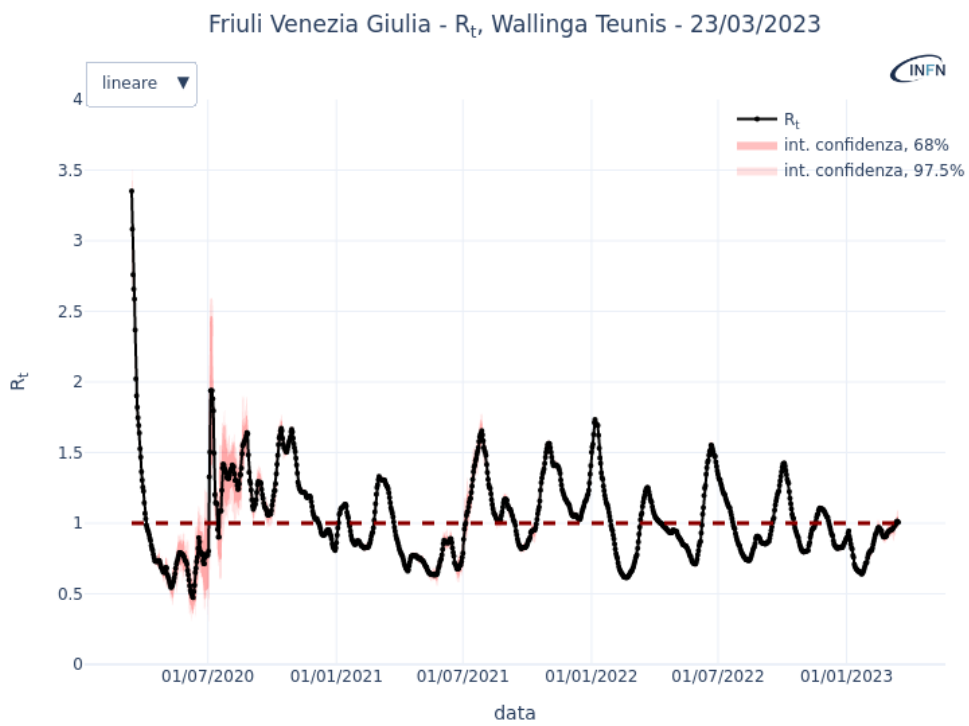


Fig. 223

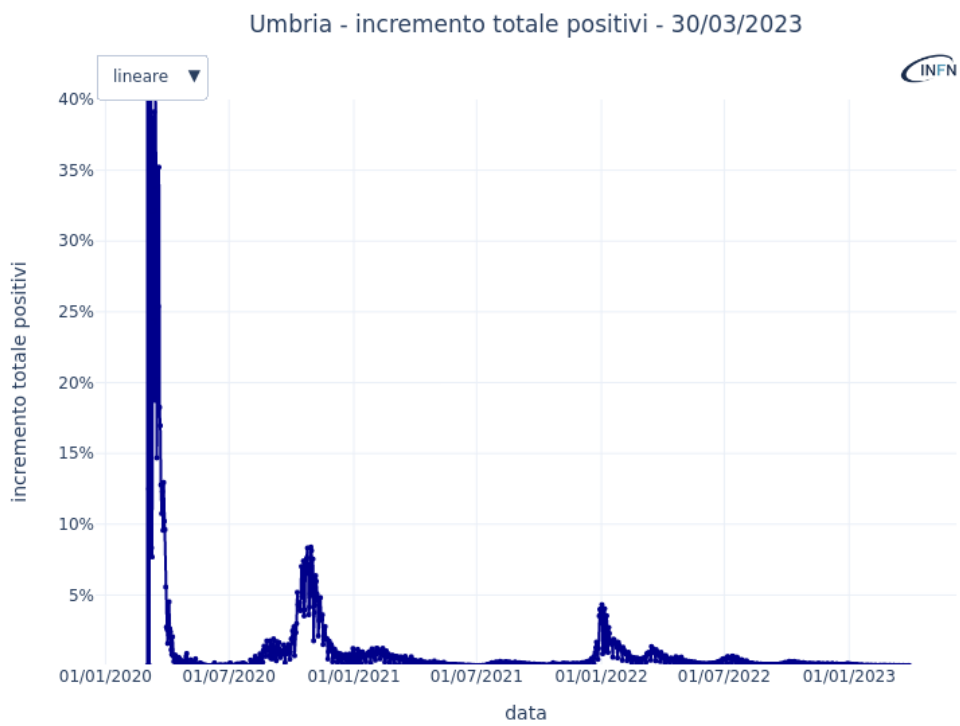


Fig. 224



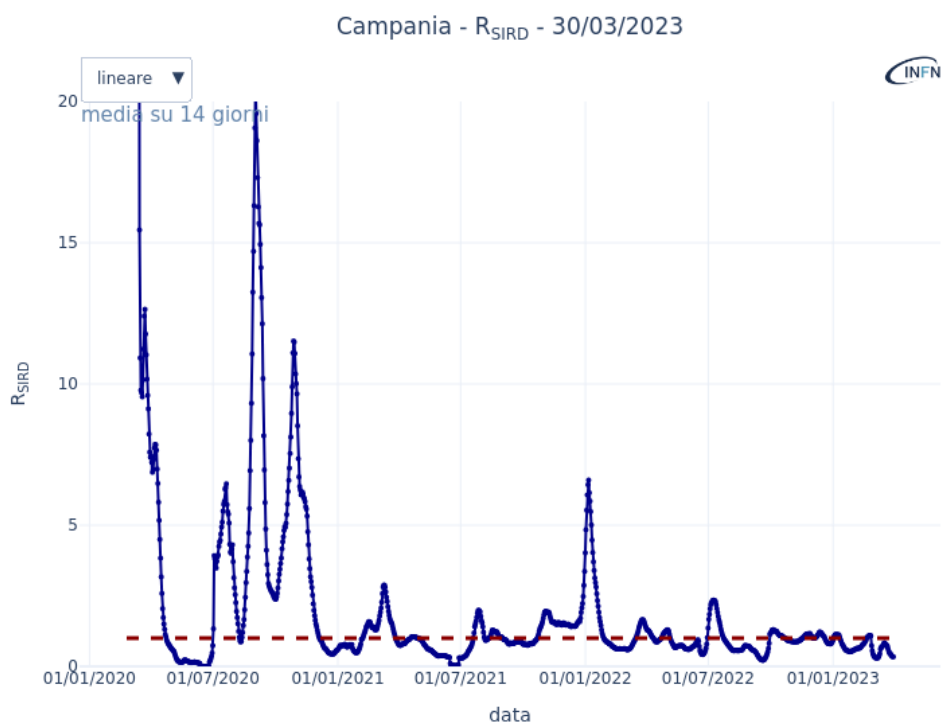


Fig. 225

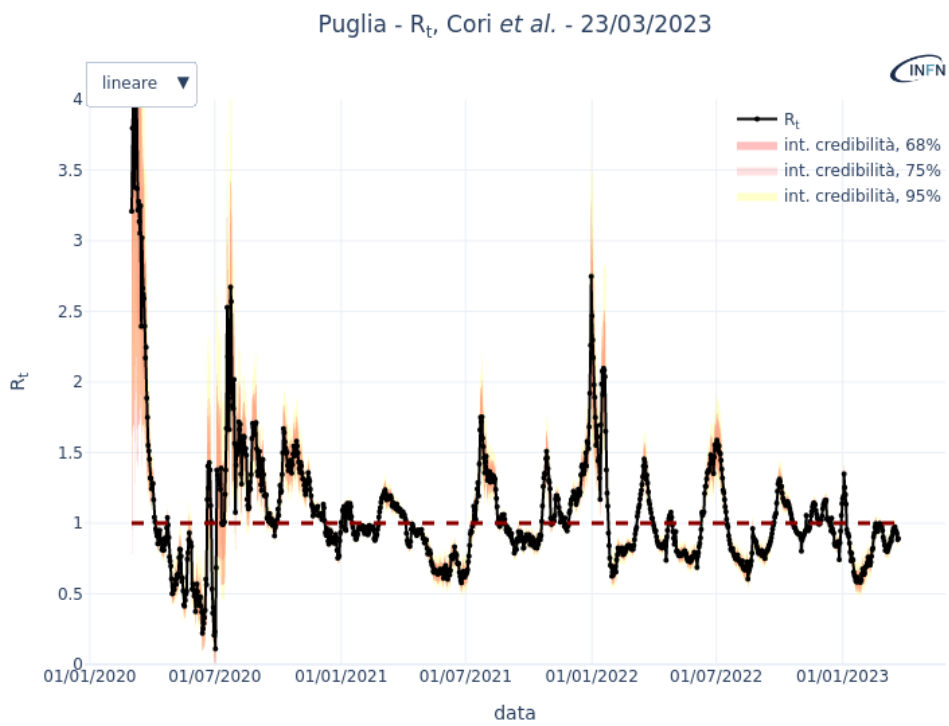


Fig. 226

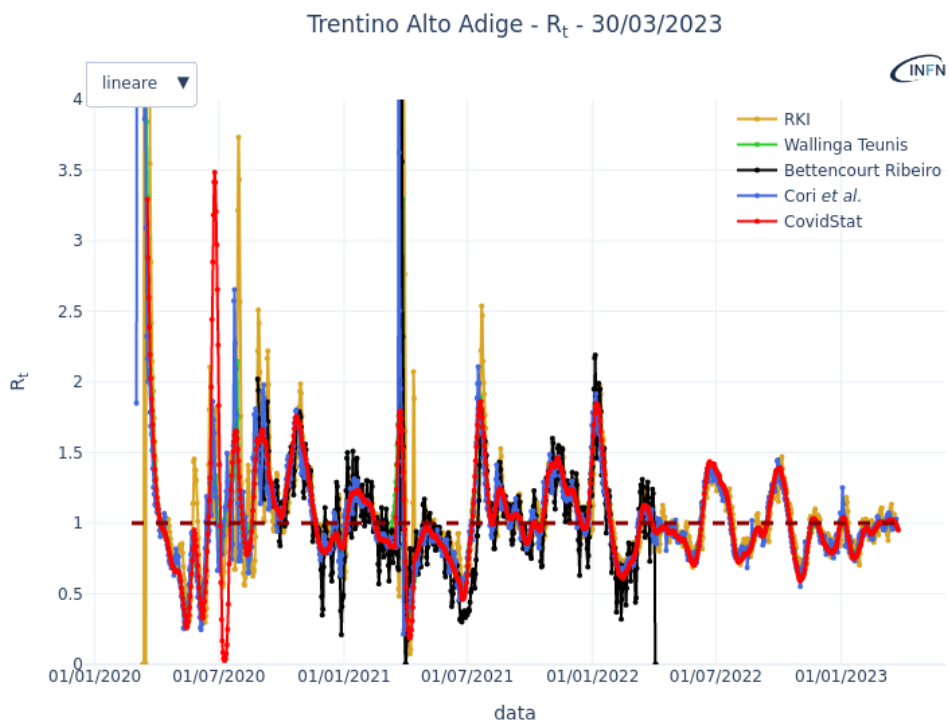


Fig. 227

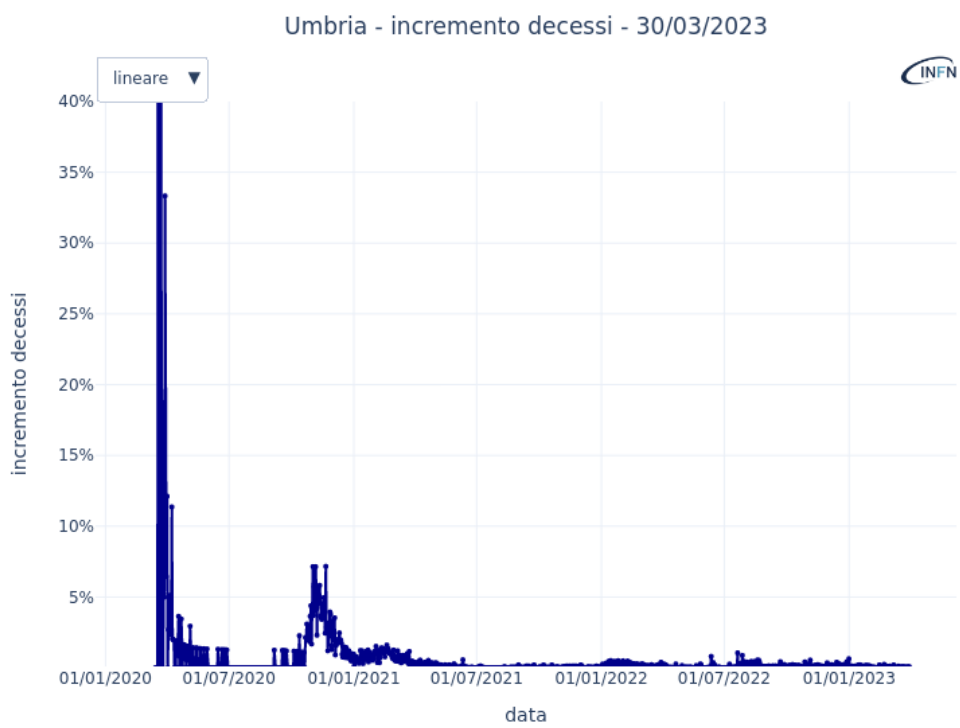


Fig. 228



Fig. 229

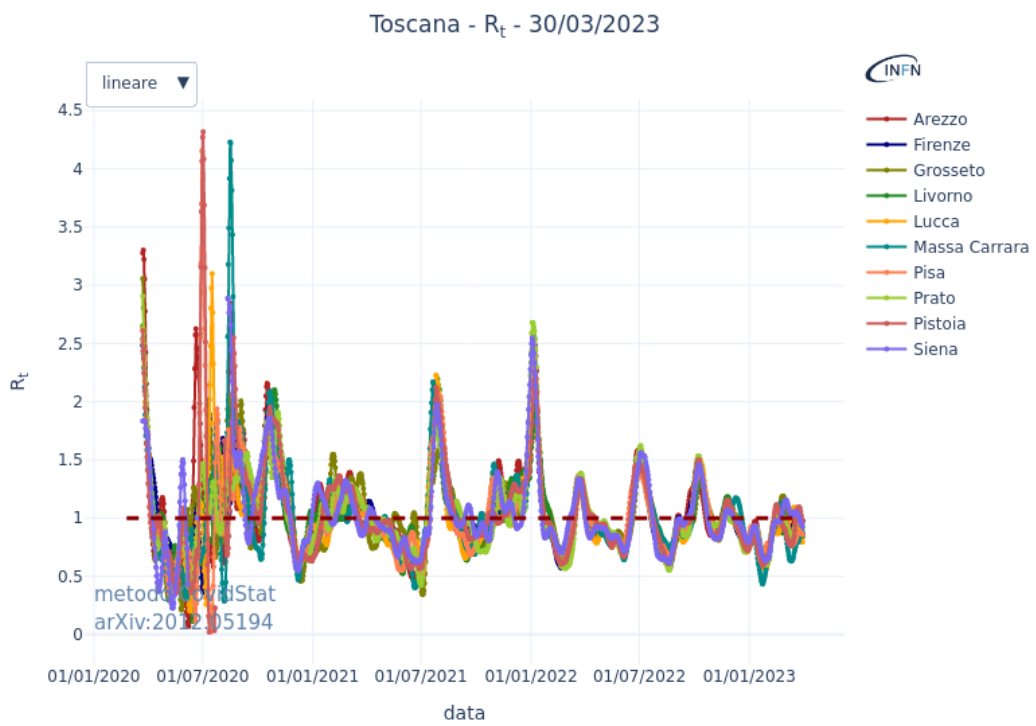


Fig. 230

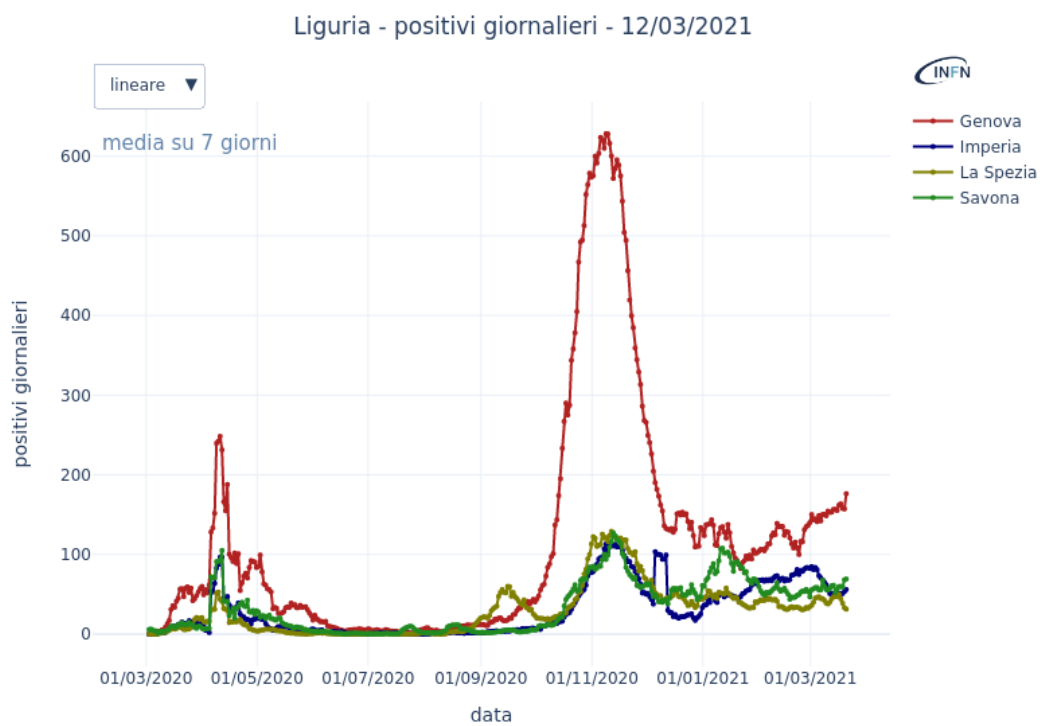


Fig. 231



Fig. 232



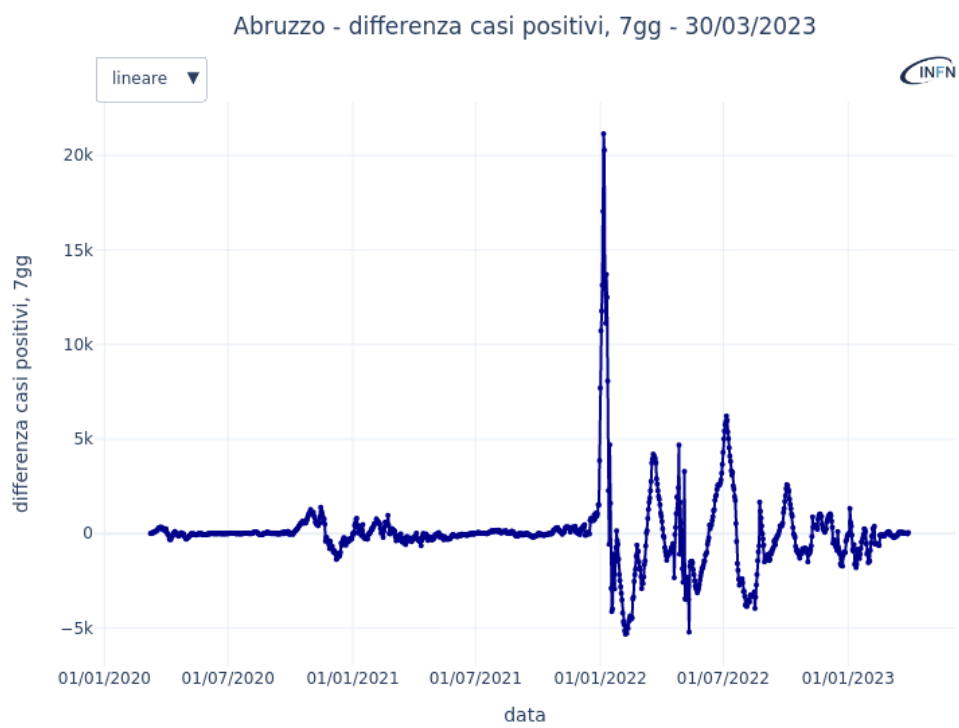


Fig. 233

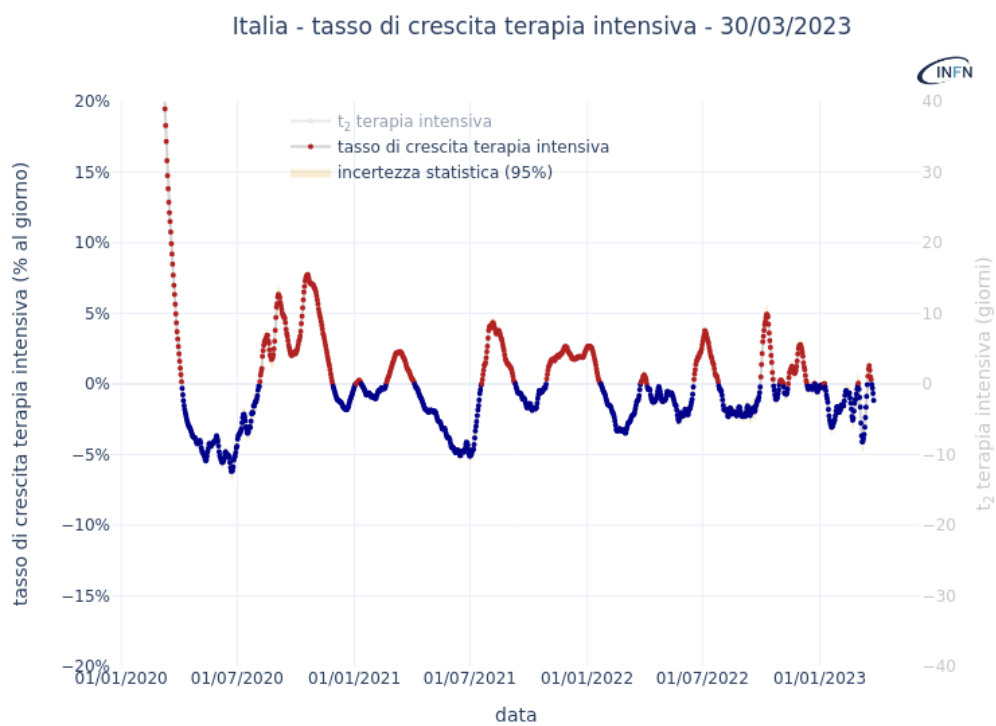


Fig. 234

Friuli Venezia Giulia - positivi e casi testati giornalieri - 30/03/2023

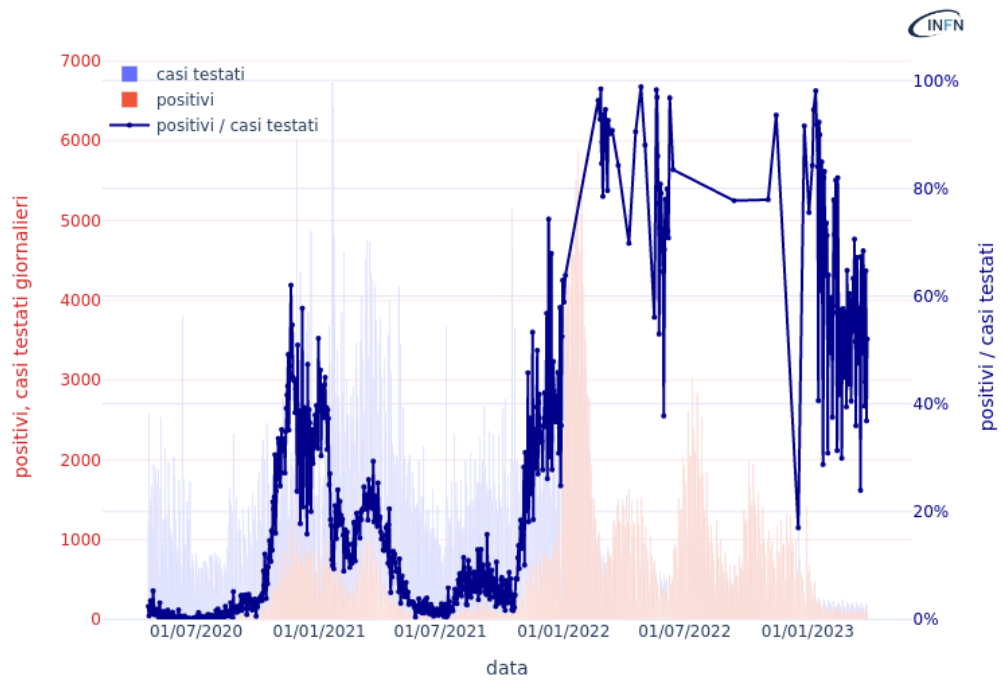


Fig. 235

Friuli Venezia Giulia - decessi - residui - 16/01/2021

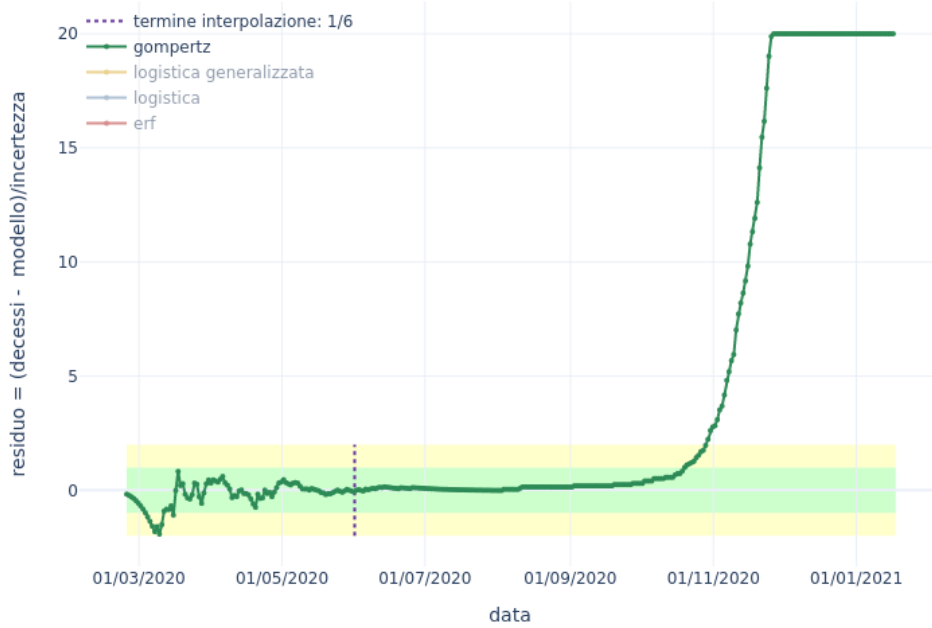


Fig. 236

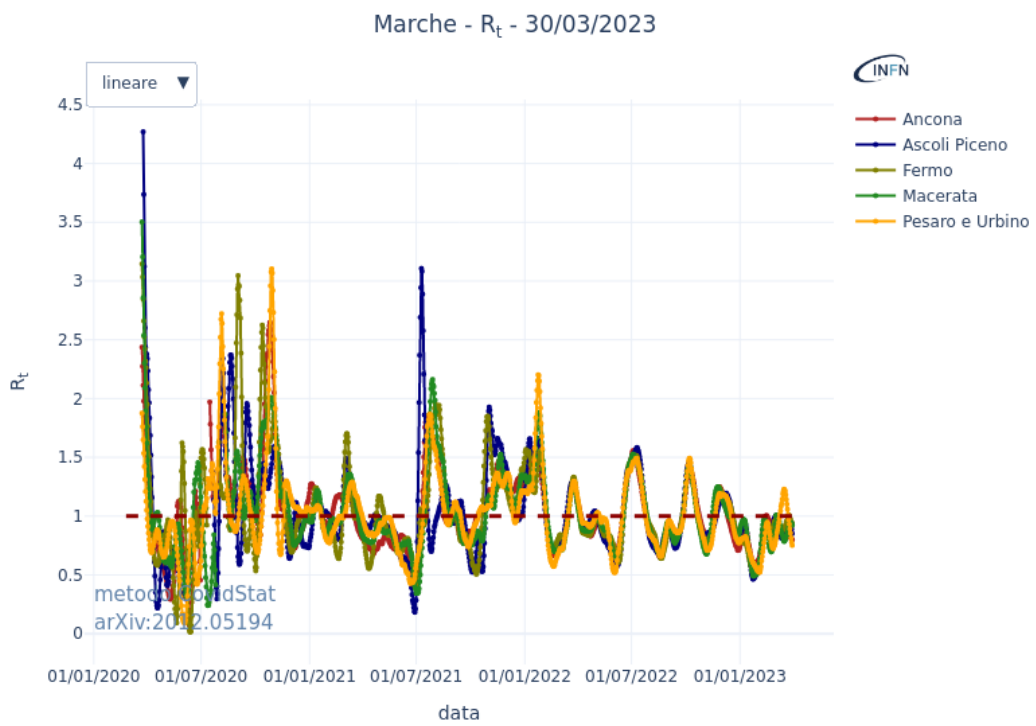


Fig. 237

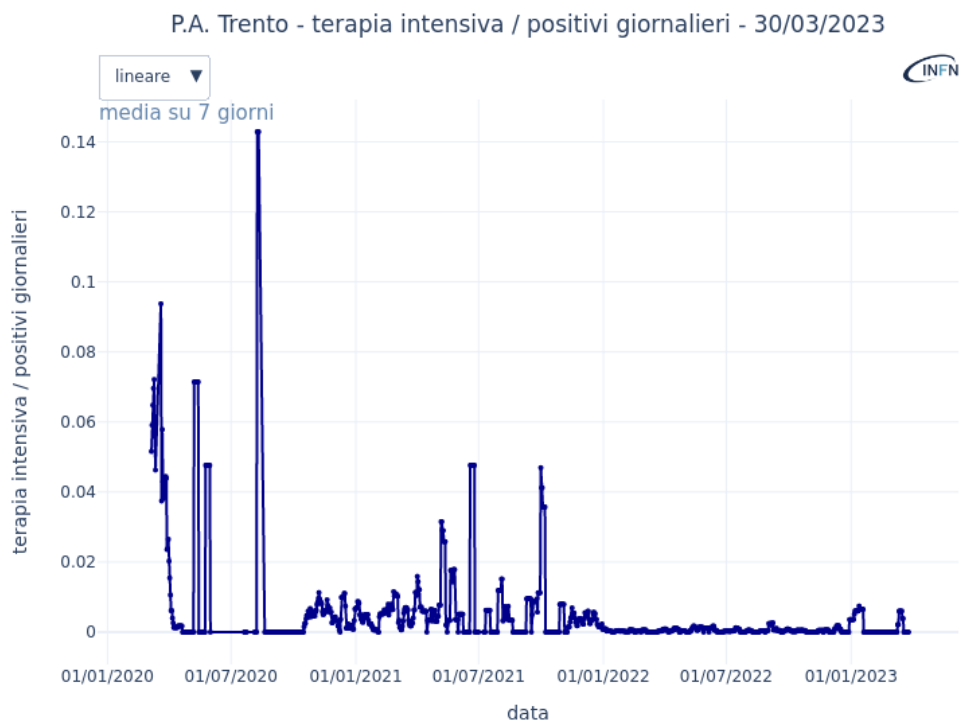


Fig. 238

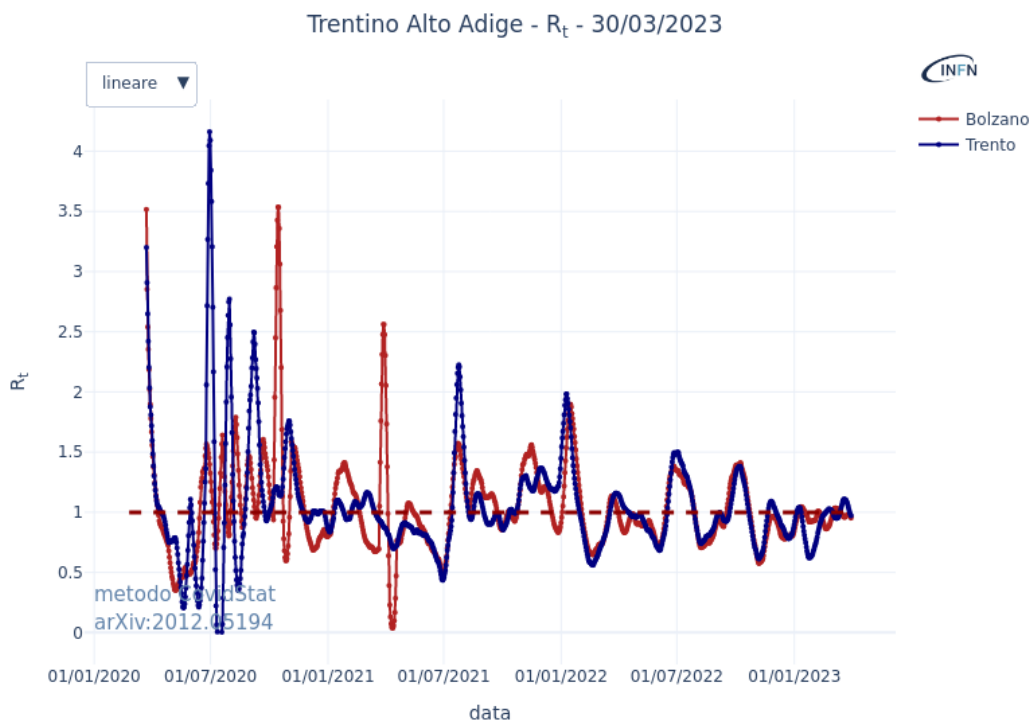


Fig. 239

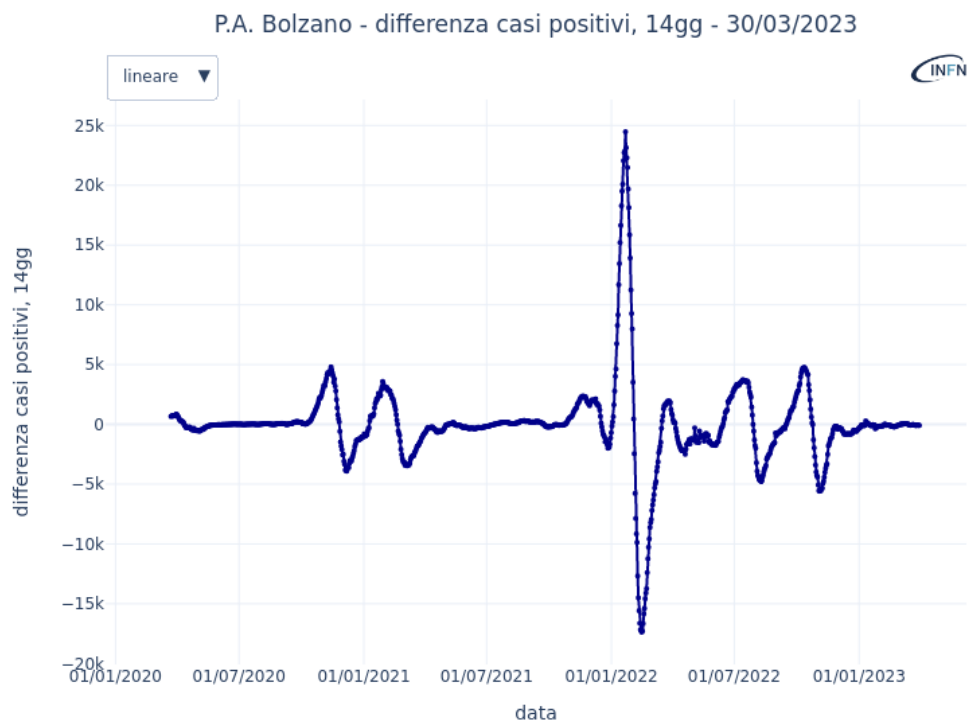


Fig. 240



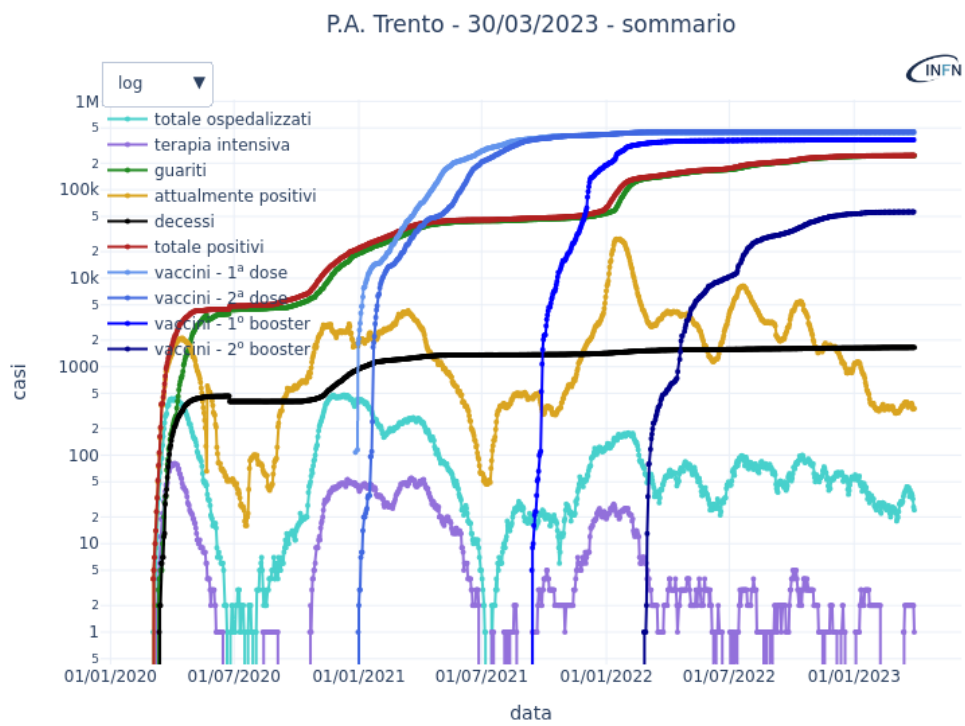


Fig. 241

Sud Italia - tempo di raddoppio (inverso) decessi - 30/03/2023

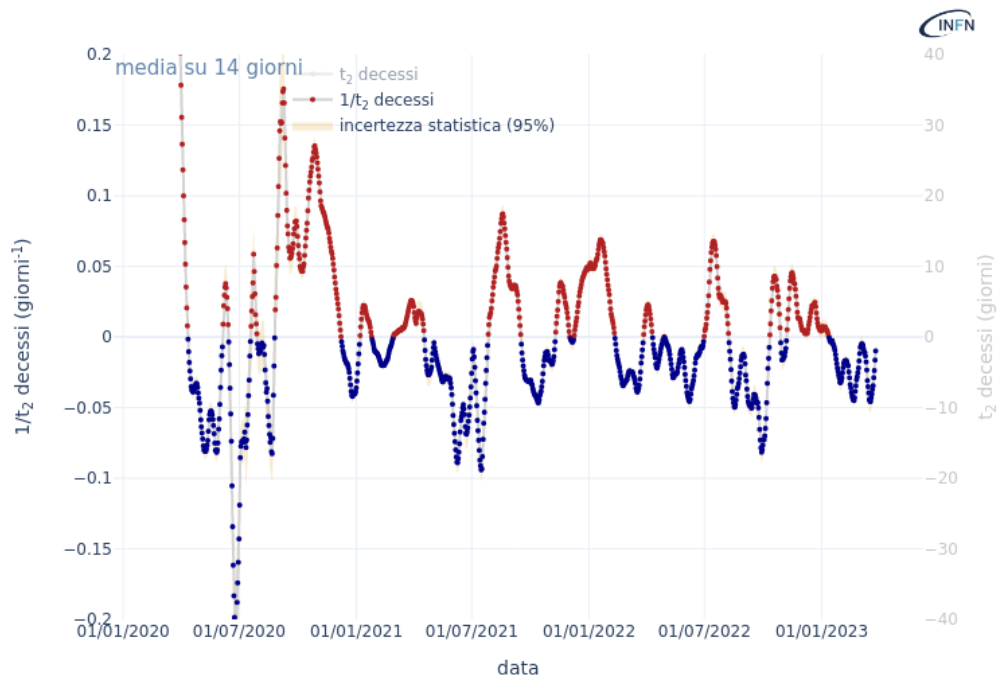


Fig. 242

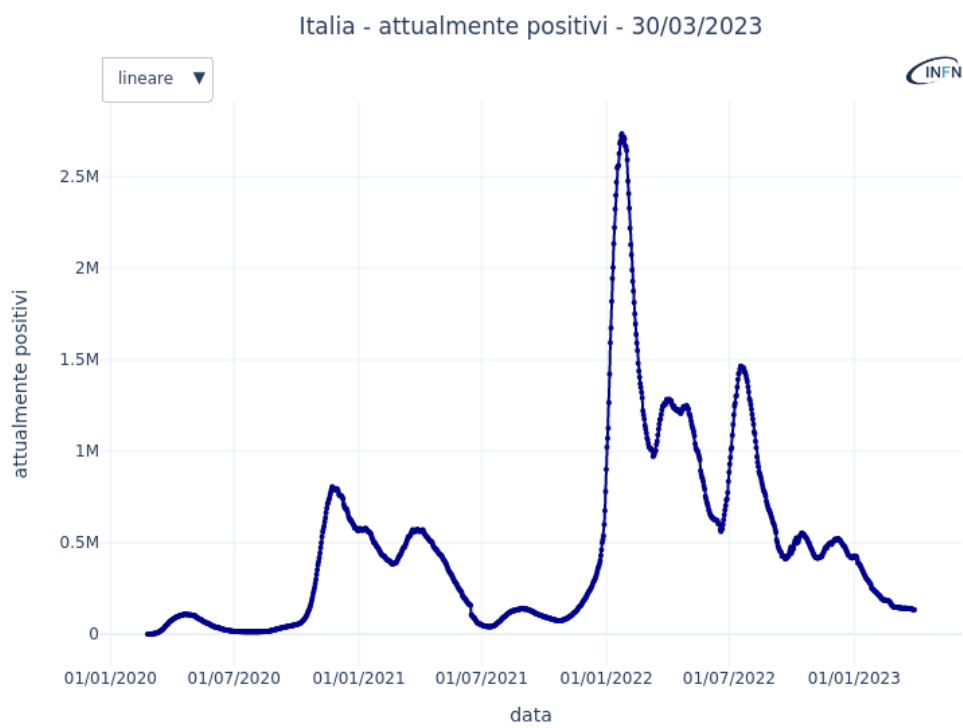


Fig. 243

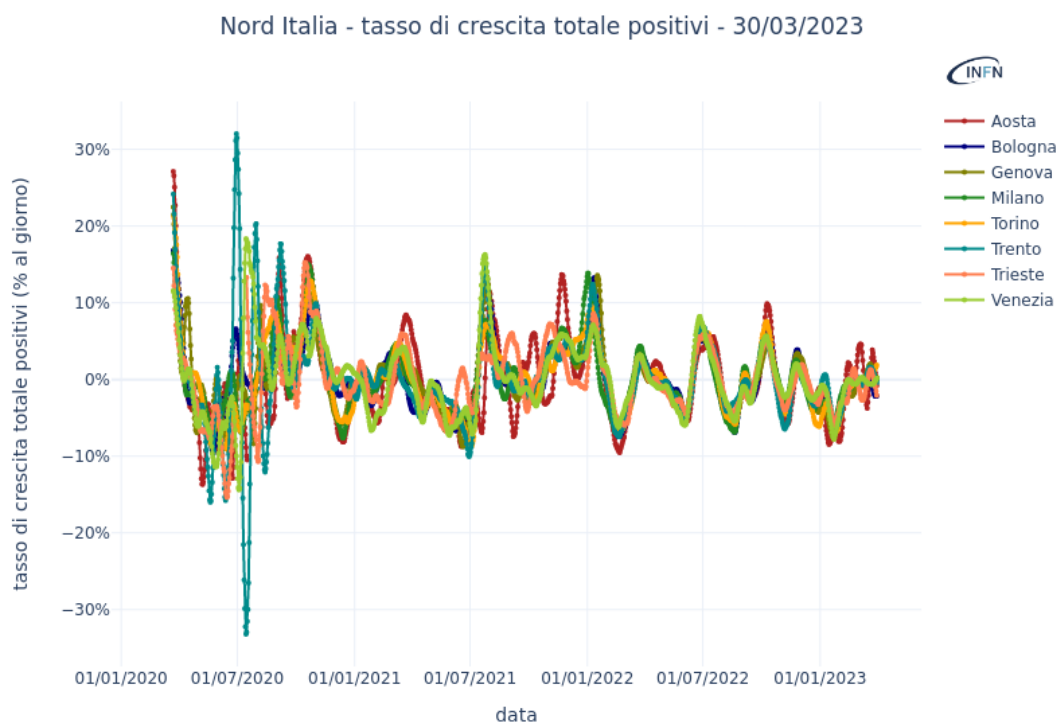


Fig. 244

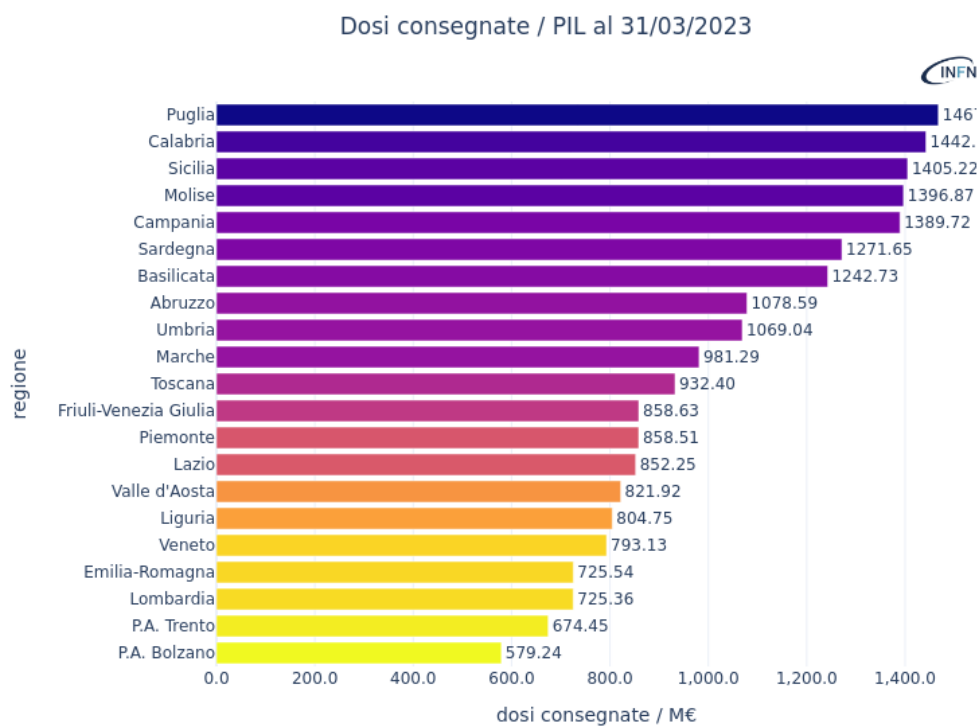


Fig. 245

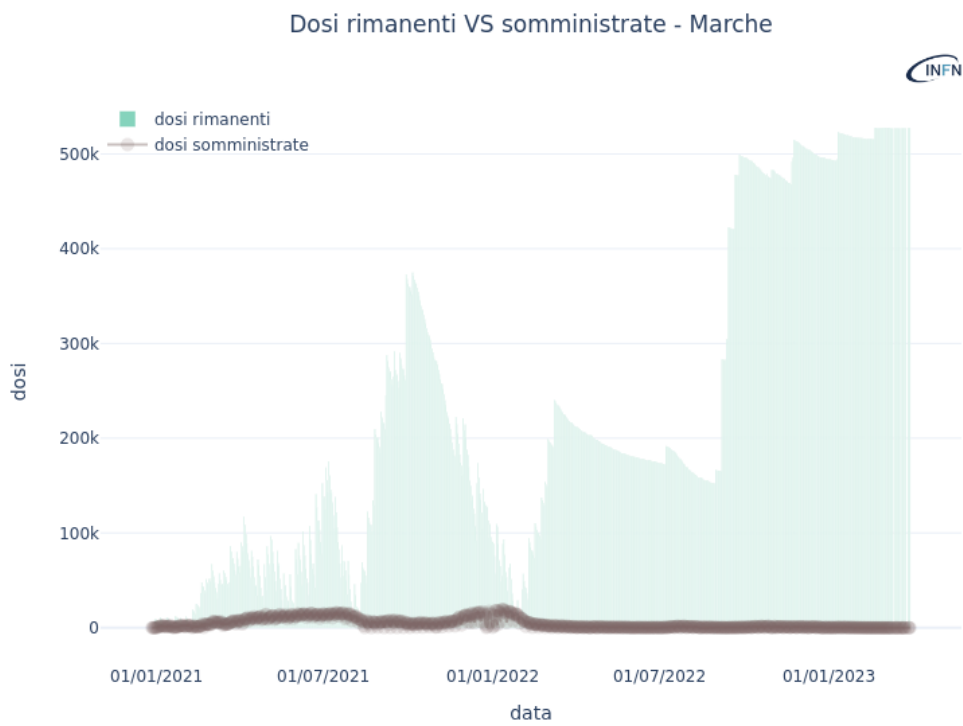


Fig. 246

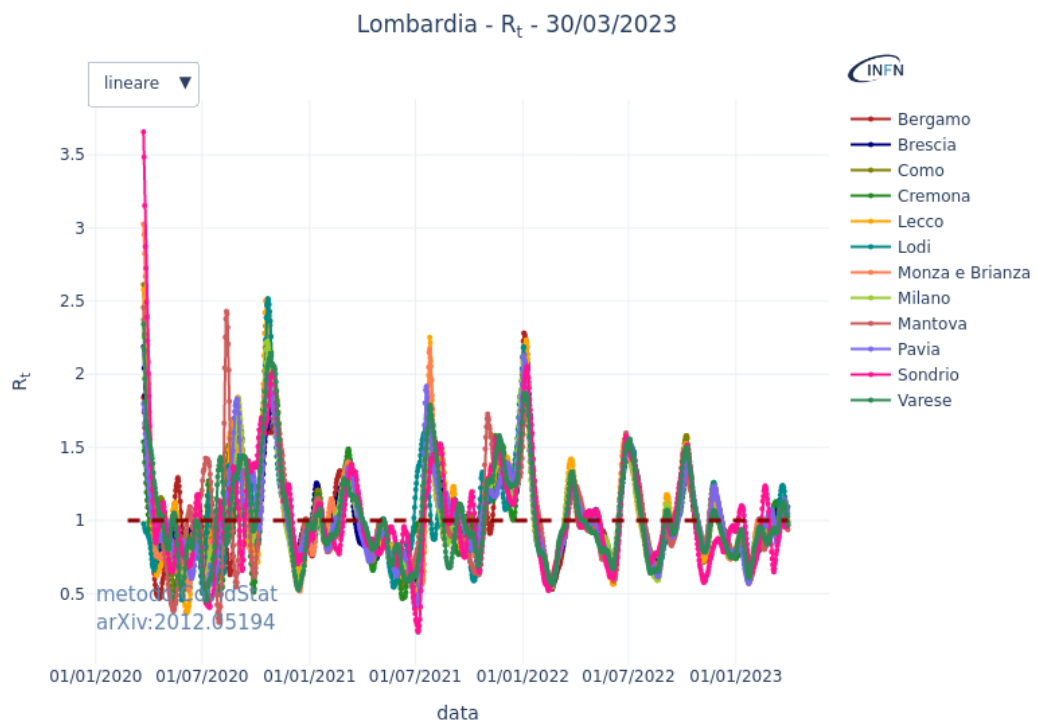


Fig. 247

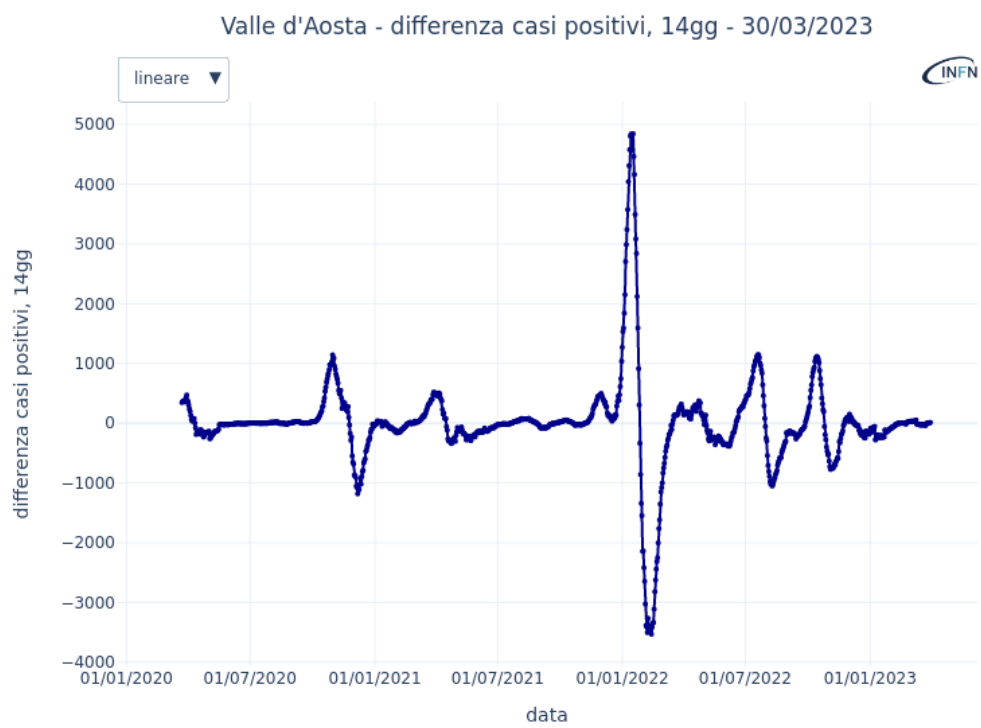


Fig. 248



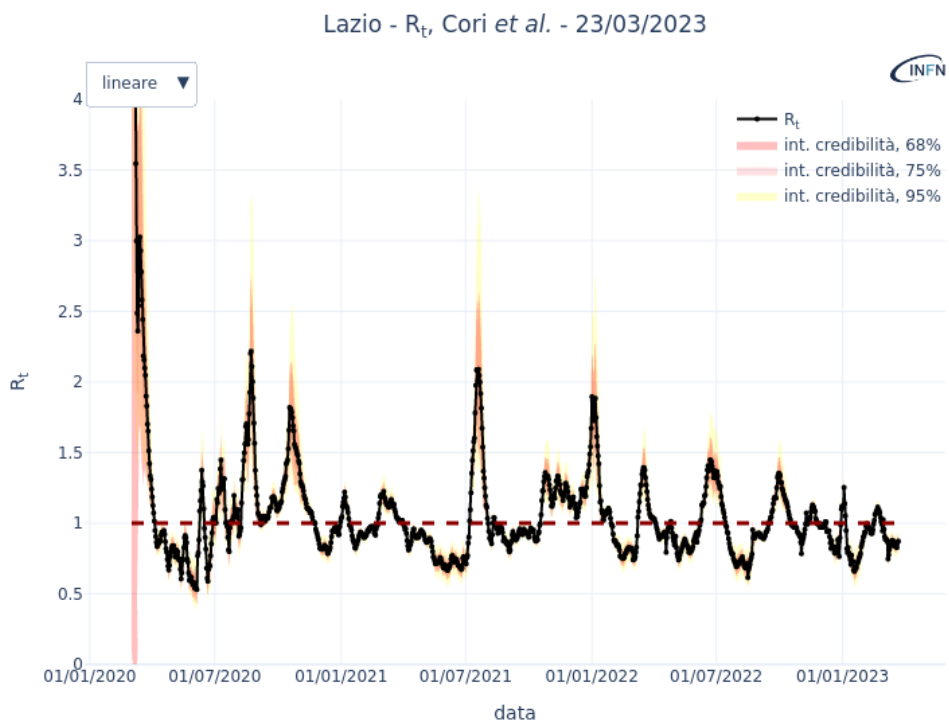


Fig. 249

Sicilia - tempo di raddoppio terapia intensiva - 30/03/2023

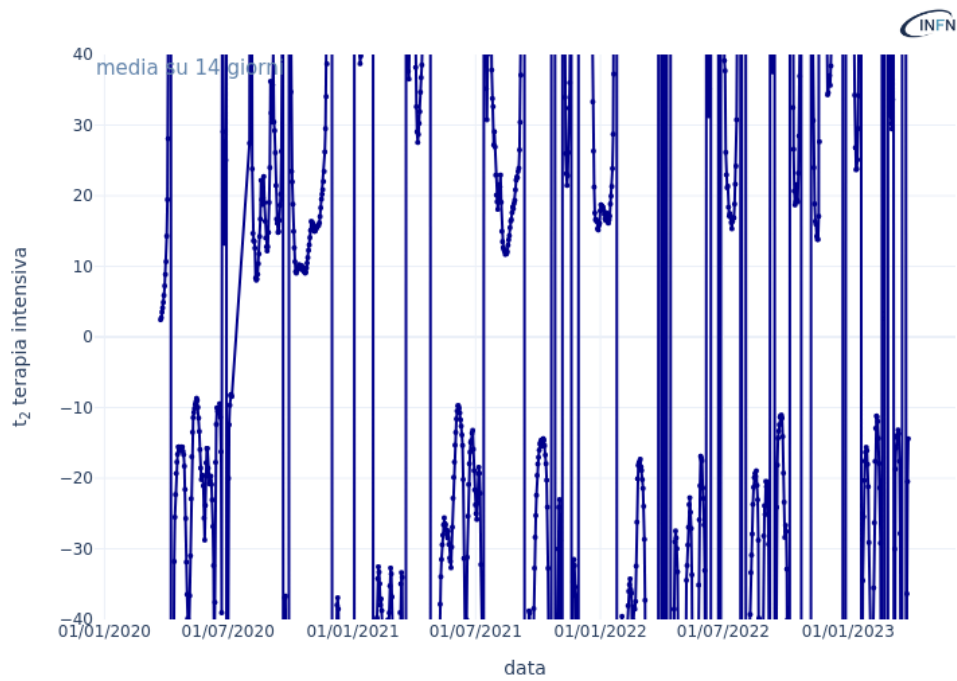


Fig. 250

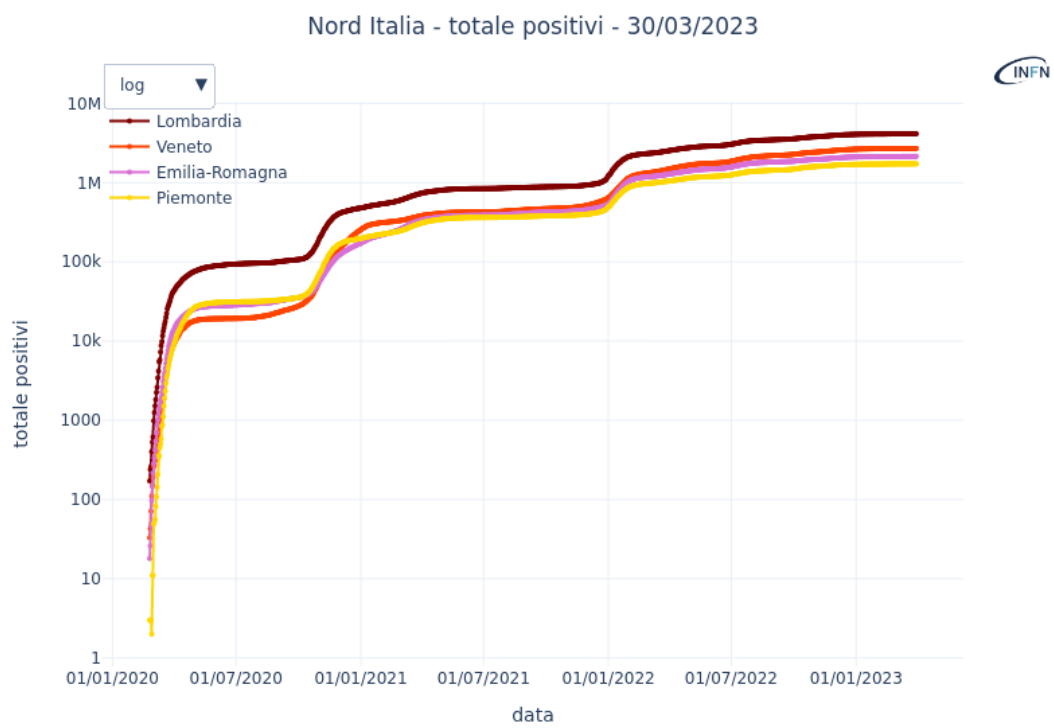


Fig. 251

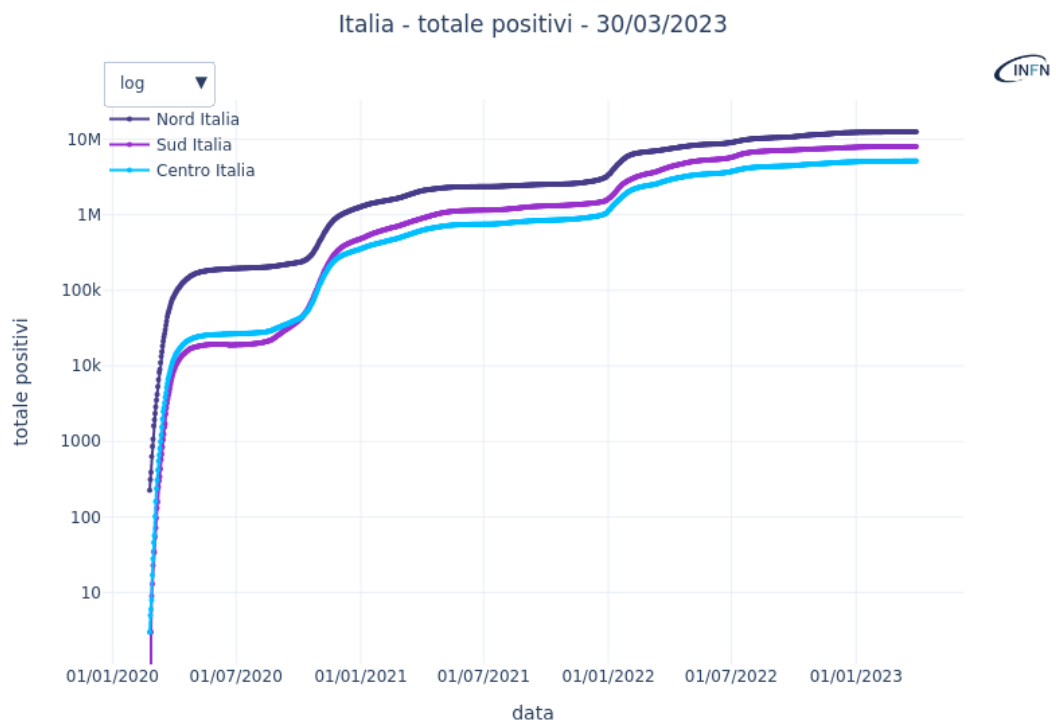


Fig. 252

Calabria - tempo di raddoppio terapia intensiva - 30/03/2023

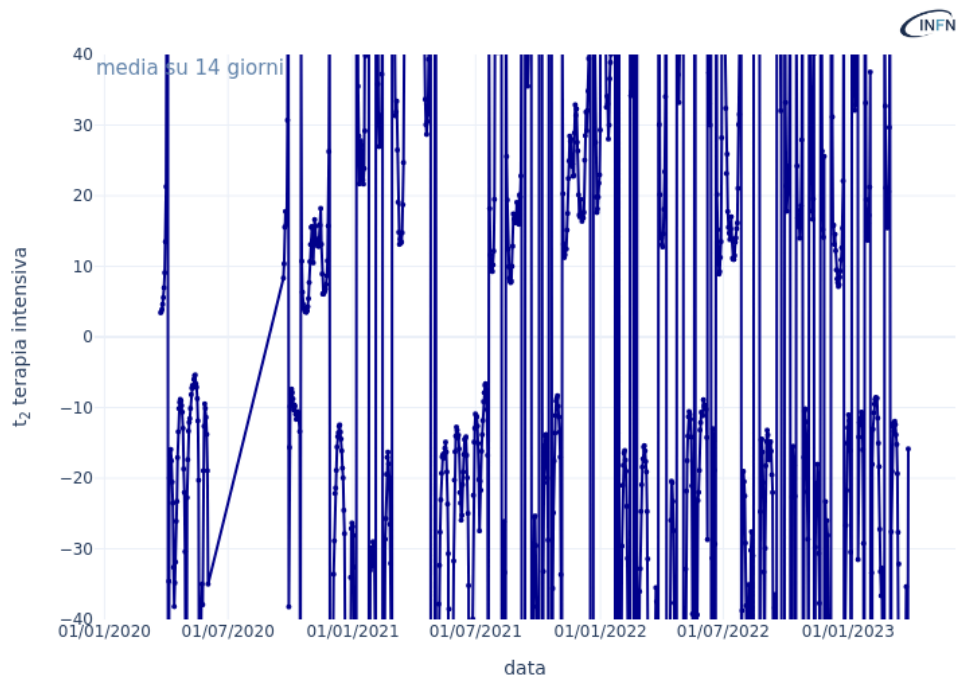


Fig. 253

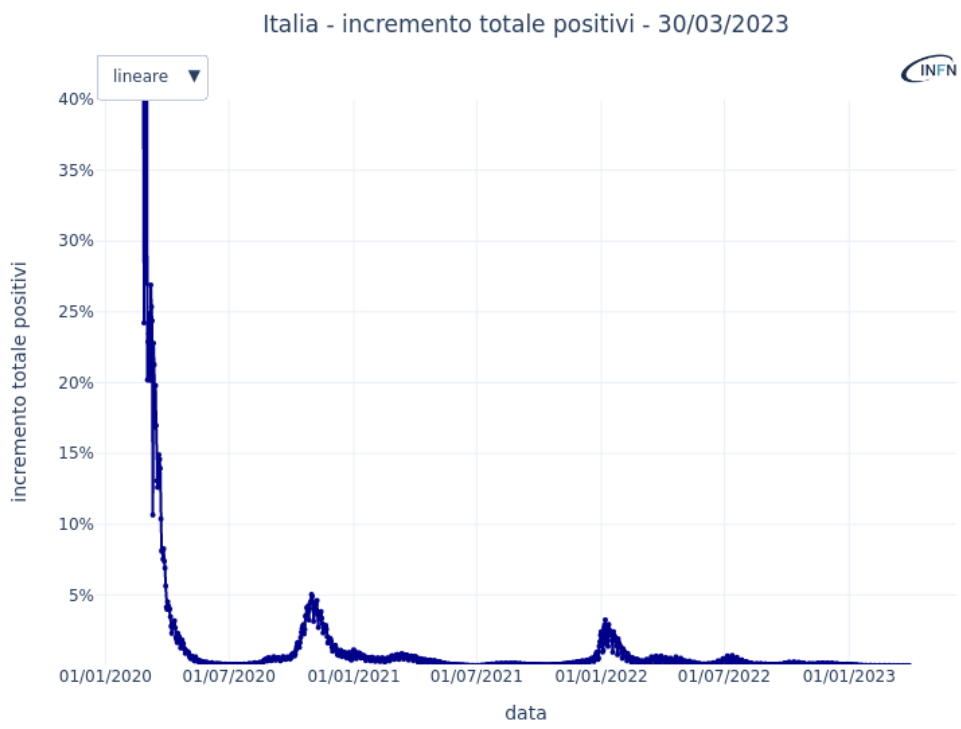


Fig. 254

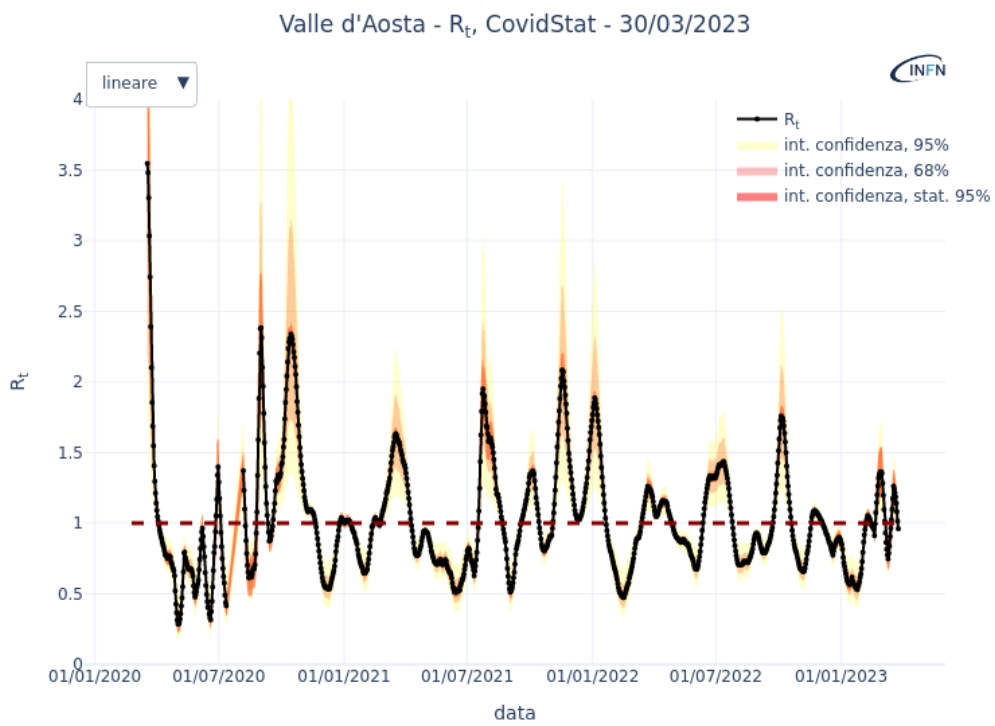


Fig. 255

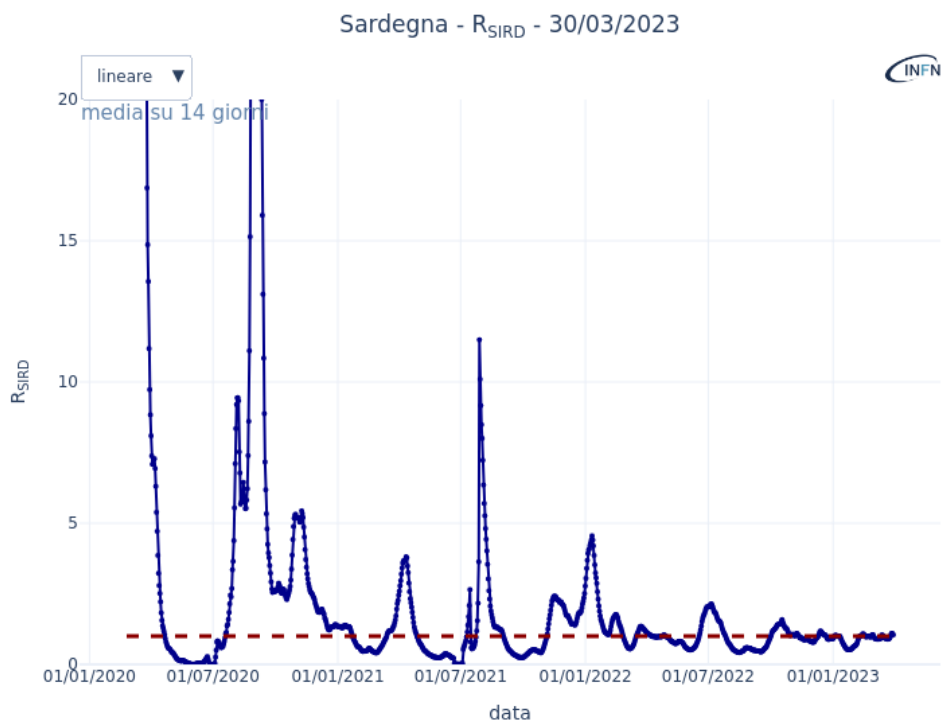


Fig. 256



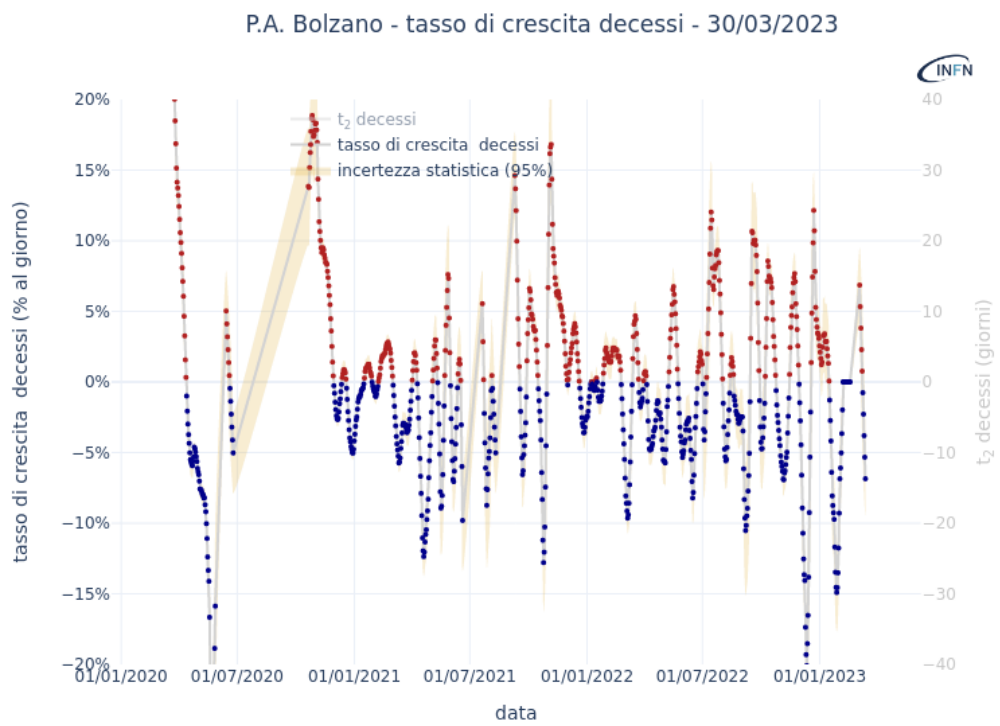


Fig. 257

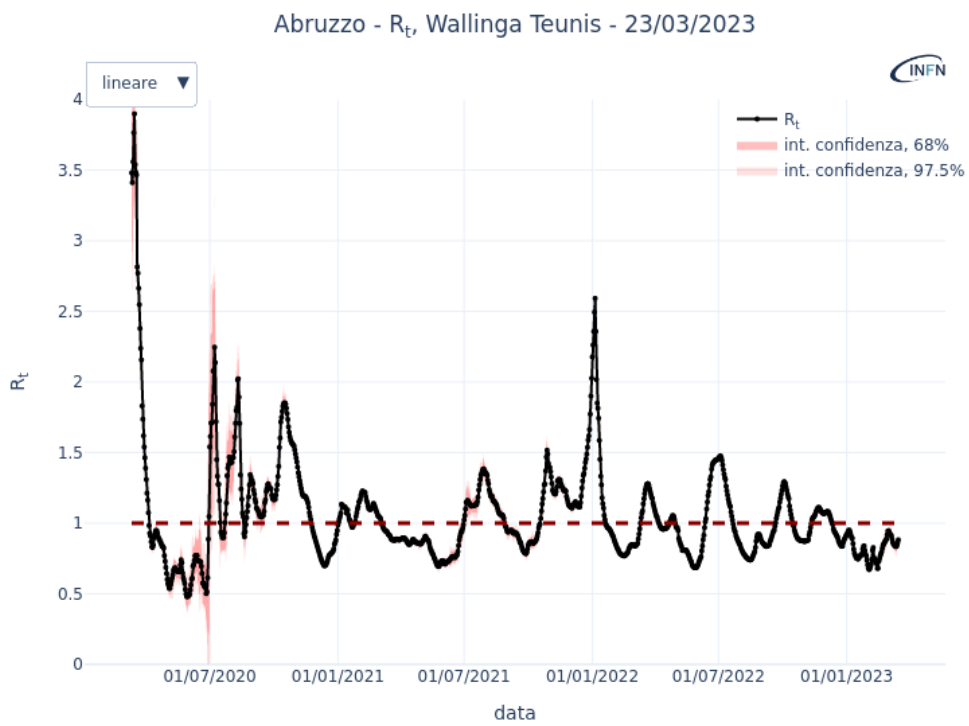


Fig. 258

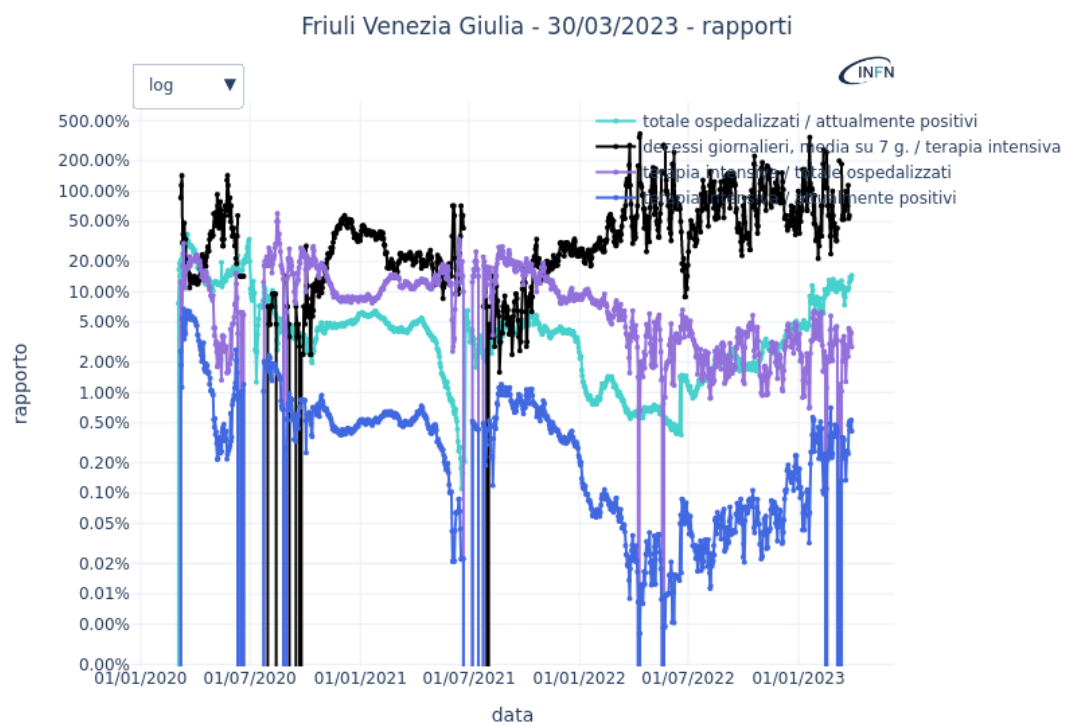


Fig. 259

### Dosi somministrate - Piemonte

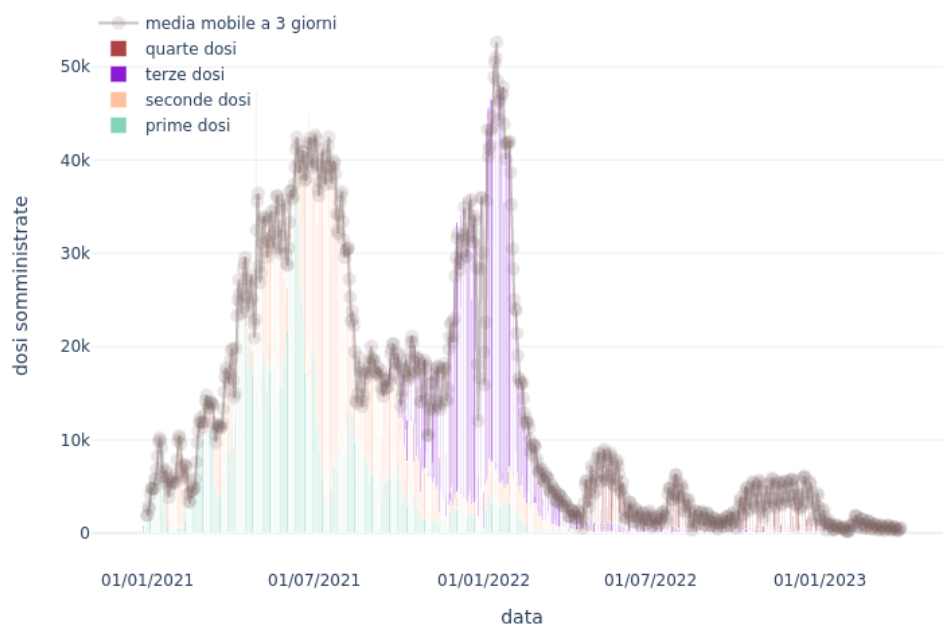


Fig. 260



Fig. 261



Fig. 262

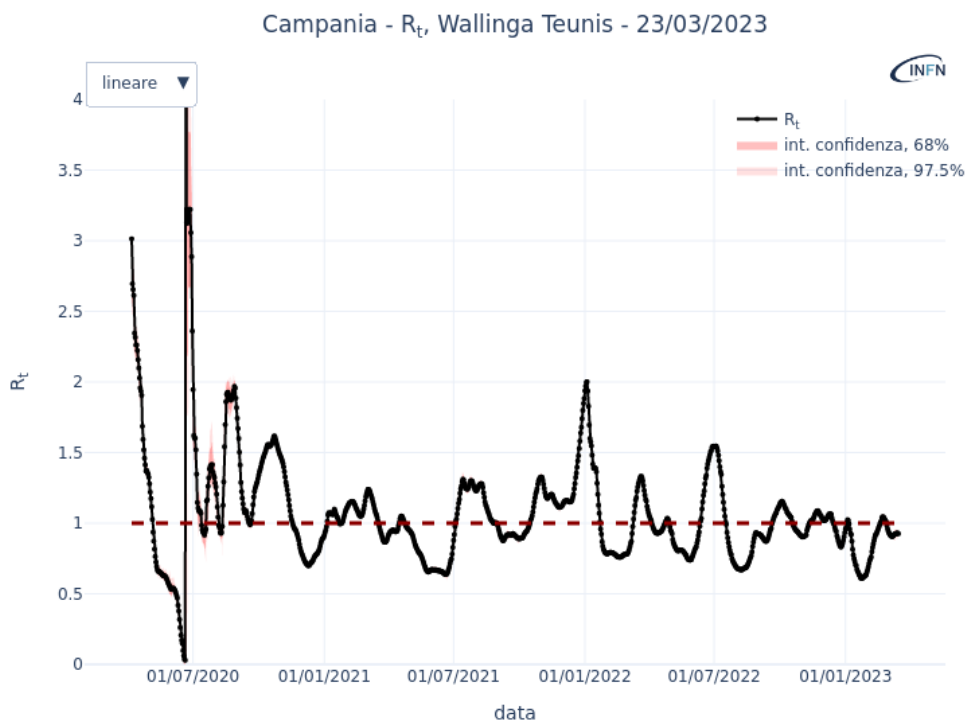


Fig. 263

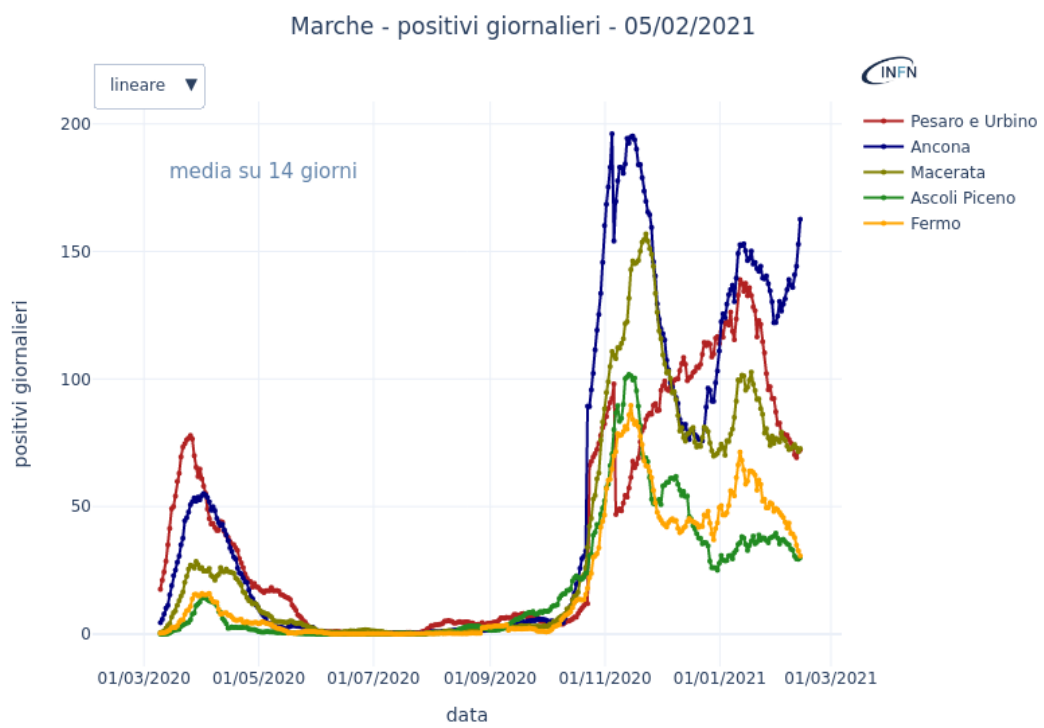


Fig. 264



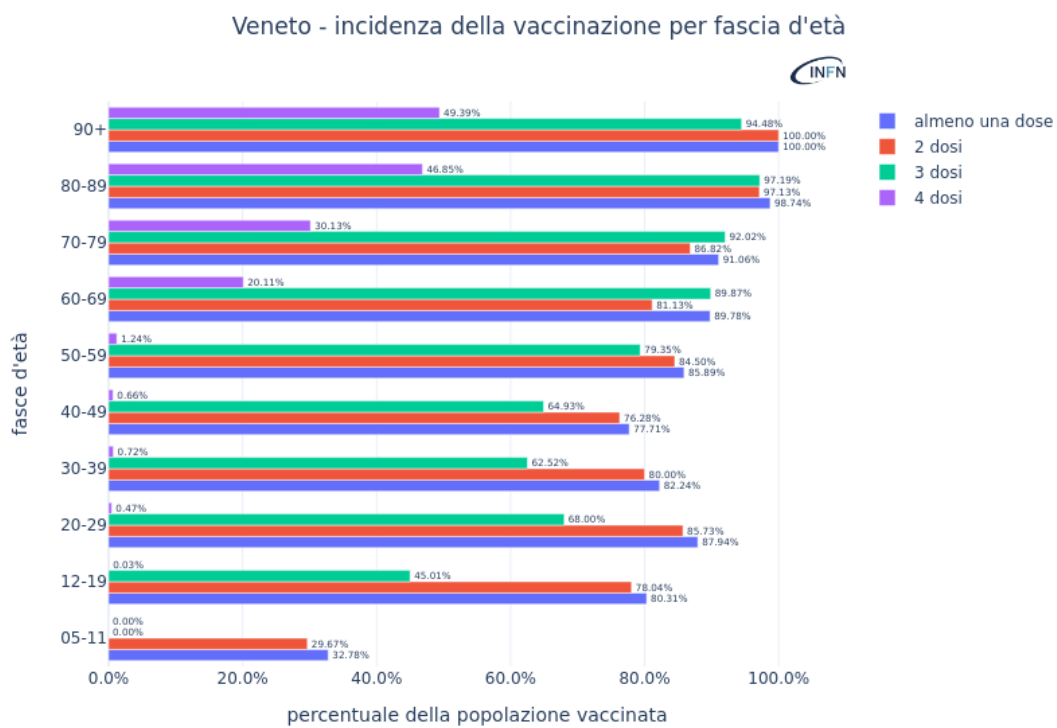


Fig. 265

Calabria - totale positivi - residui - 16/01/2021

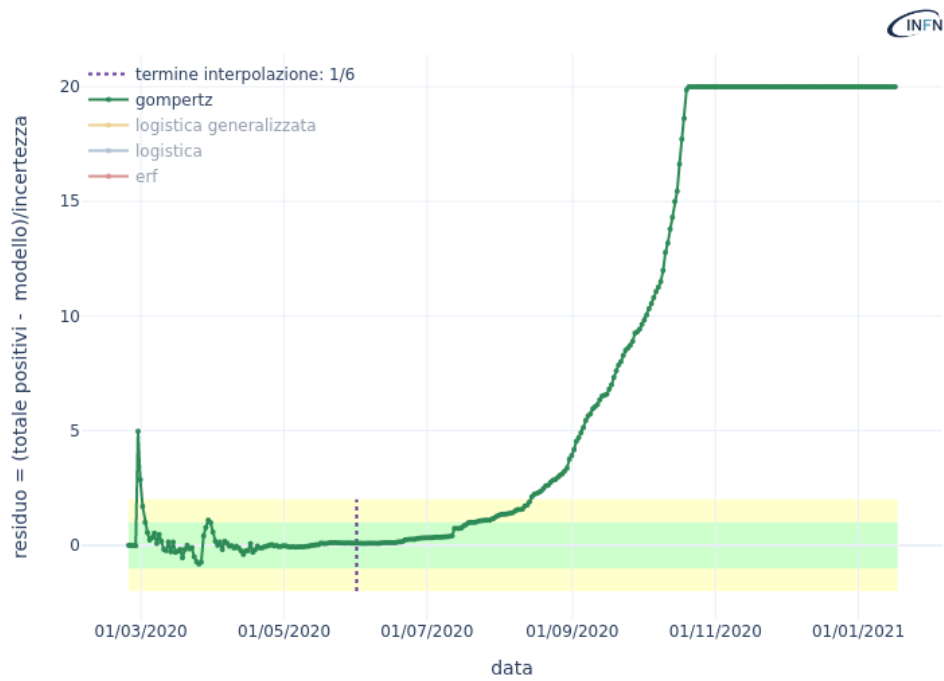


Fig. 266



Fig. 267

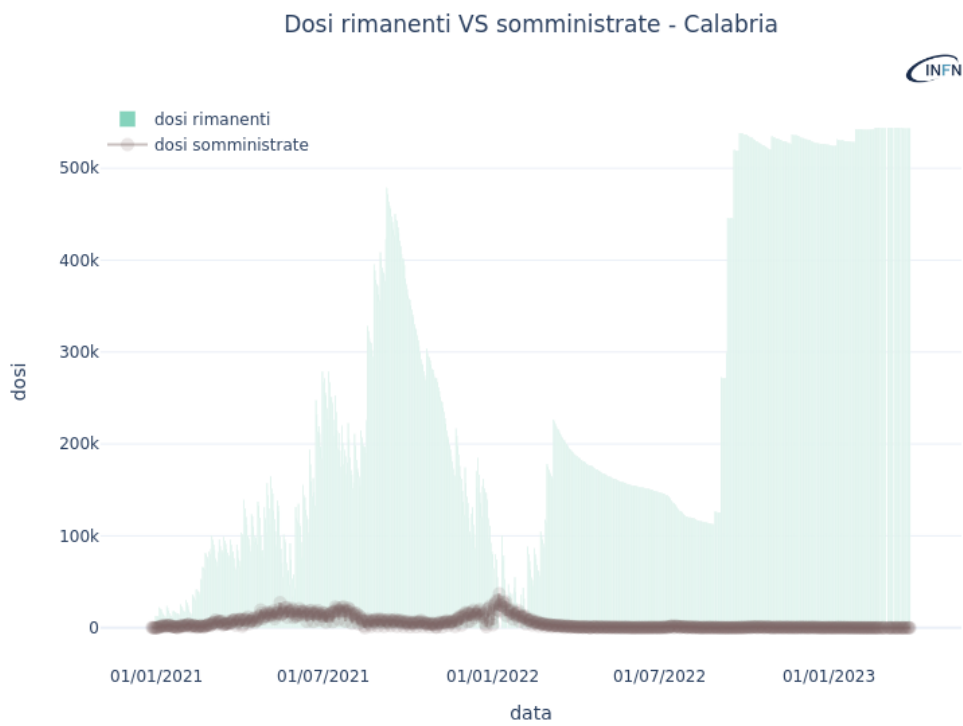


Fig. 268

Molise - tempo di raddoppio (inverso) totale positivi - 30/03/2023

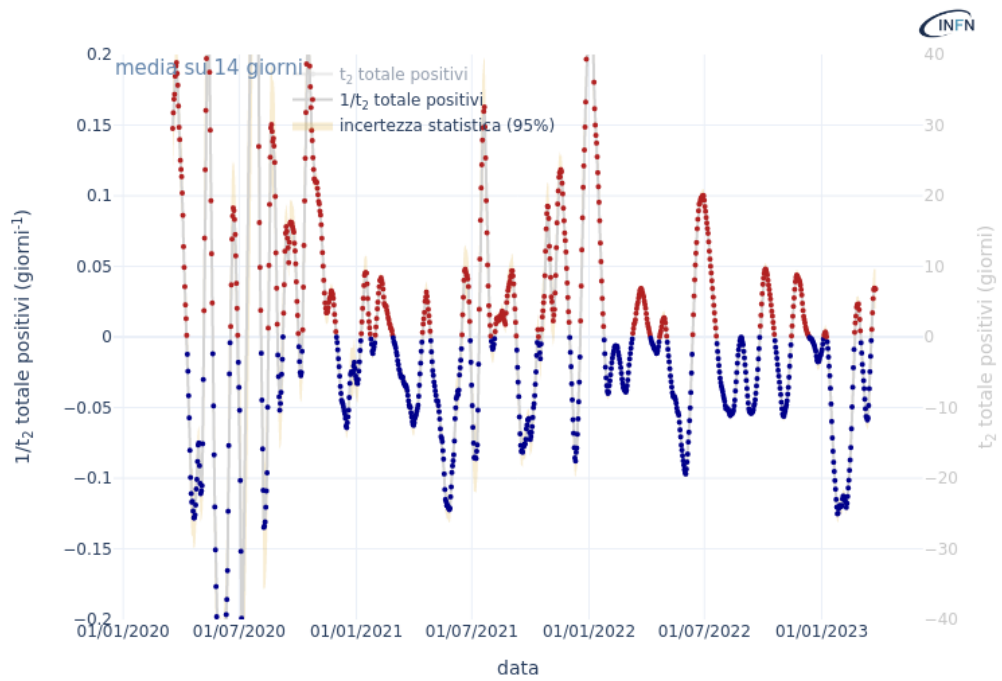


Fig. 269

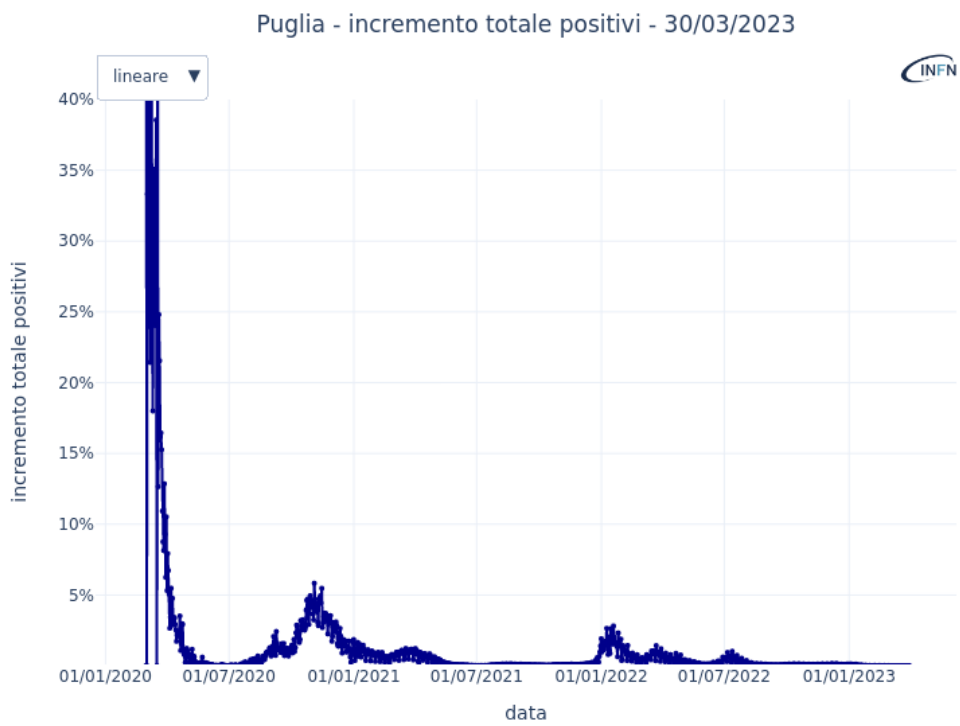


Fig. 270

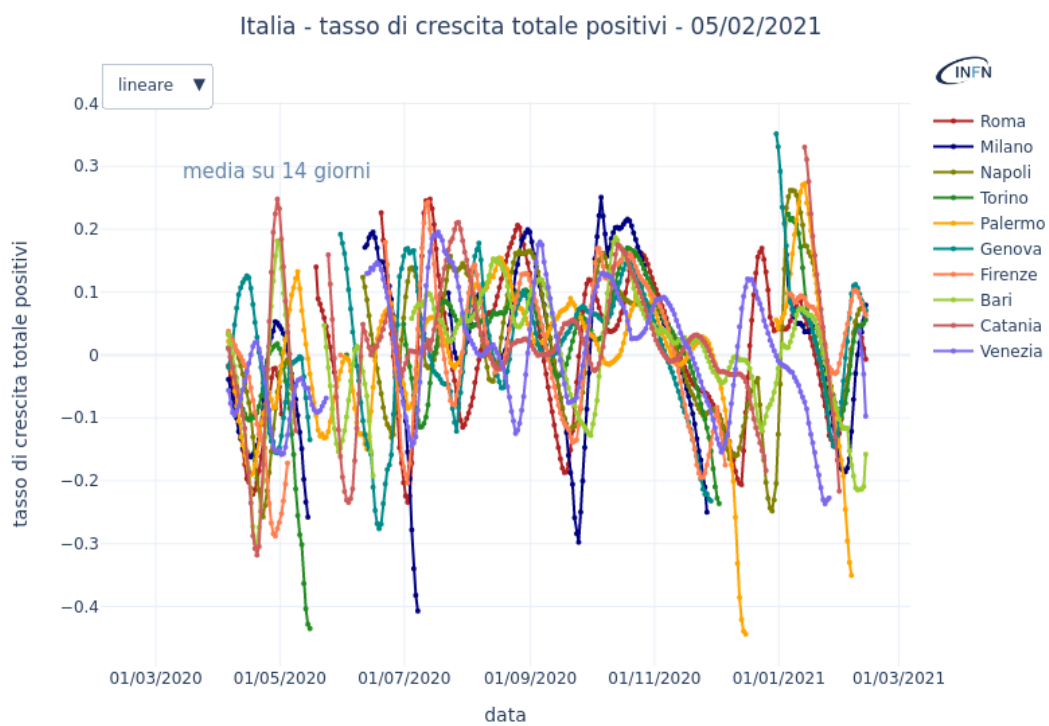


Fig. 271

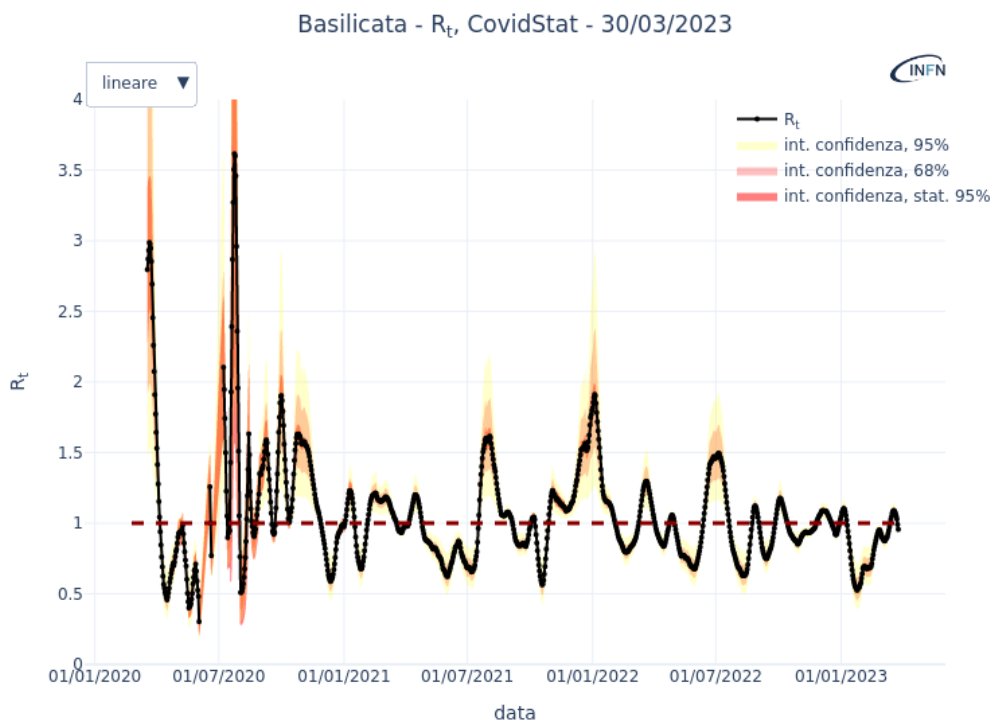


Fig. 272



P.A. Bolzano - tasso di crescita totale ospedalizzati - 30/03/2023

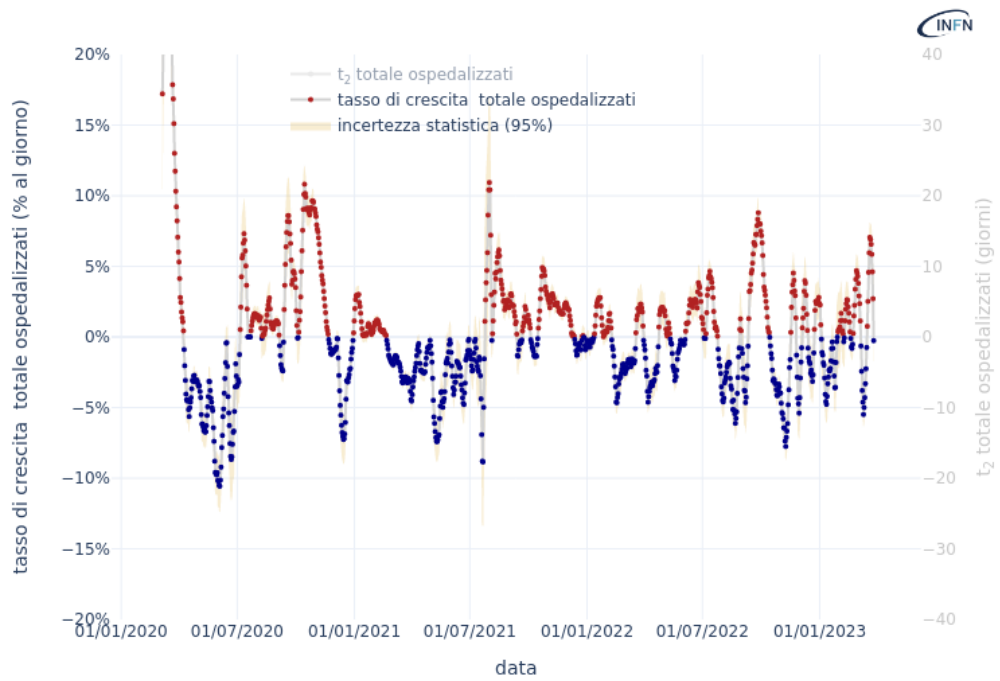


Fig. 273

### Dosi somministrate - Emilia-Romagna

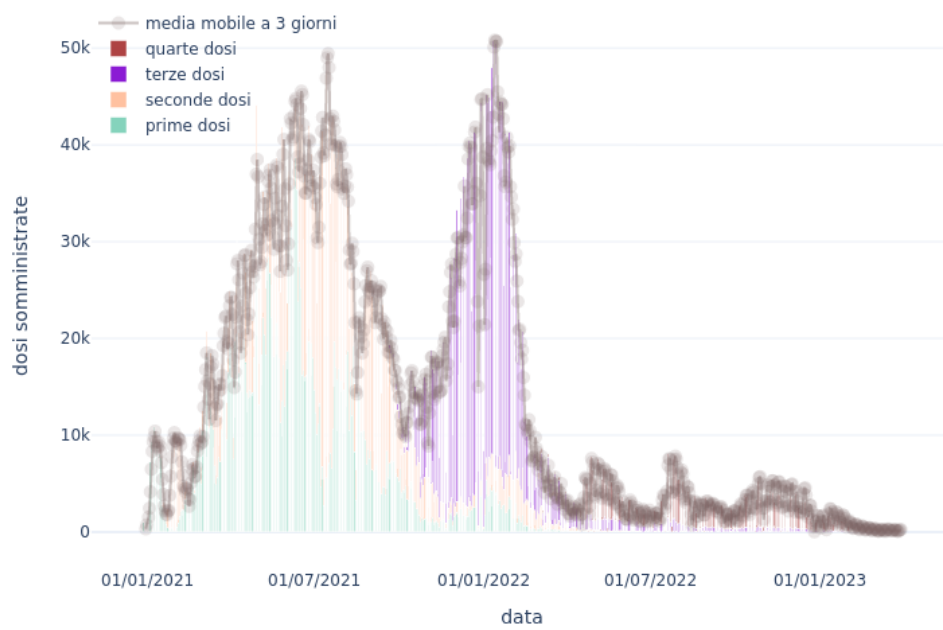


Fig. 274

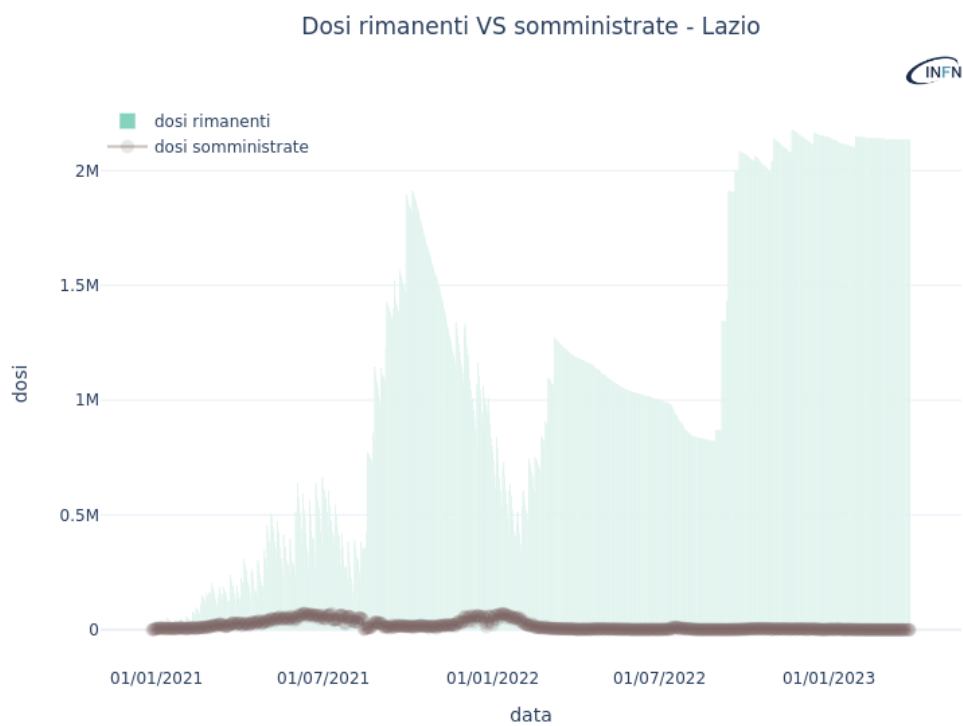


Fig. 275

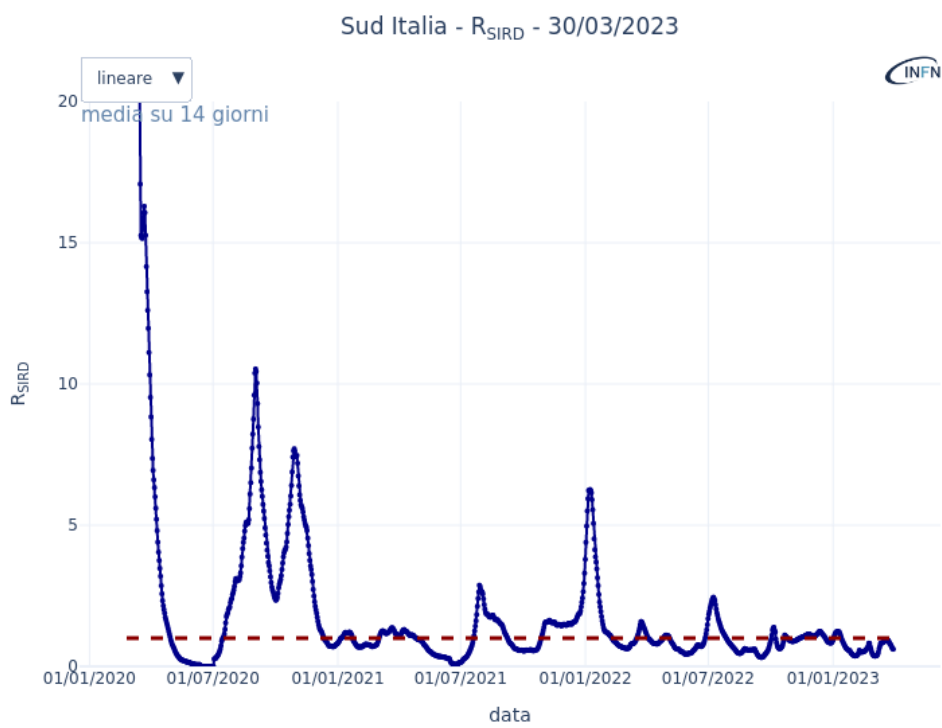


Fig. 276

Friuli Venezia Giulia - tempo di raddoppio terapia intensiva - 30/03/2023

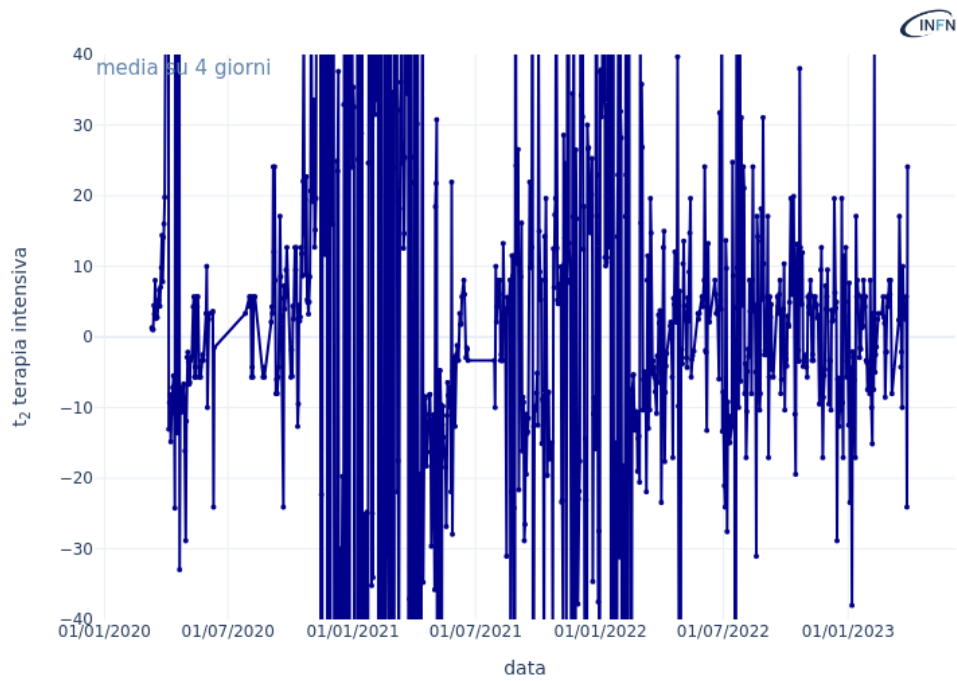


Fig. 277

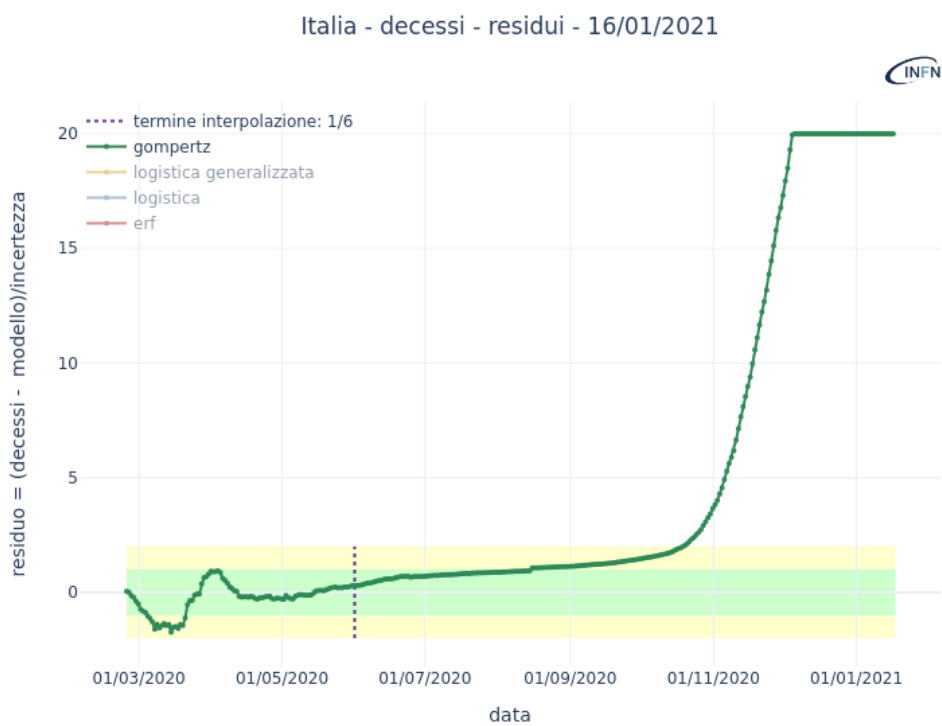


Fig. 278

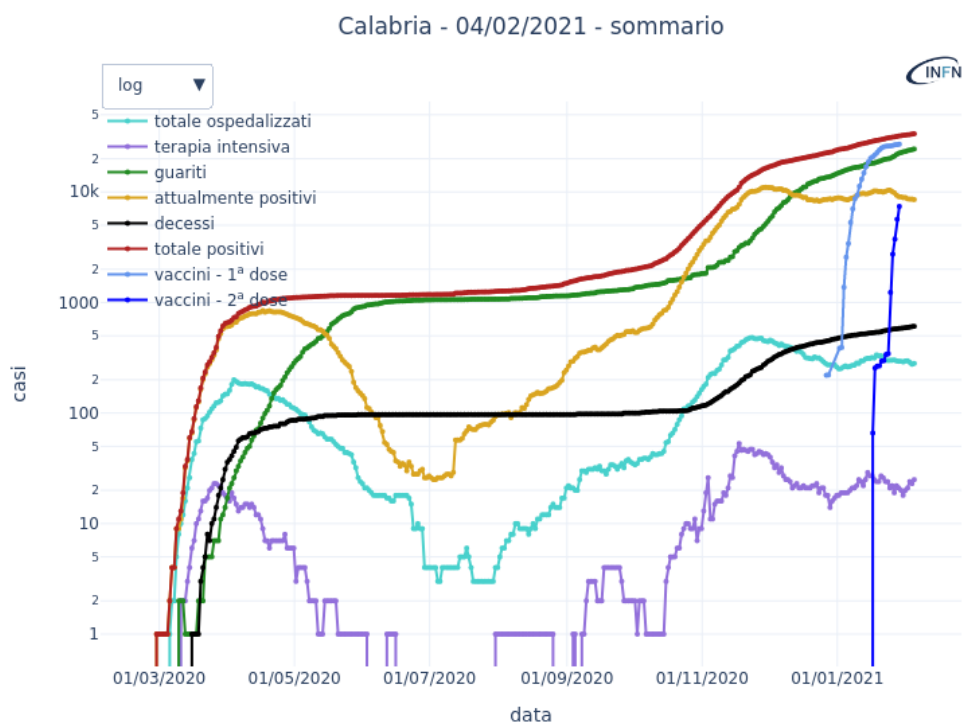


Fig. 279

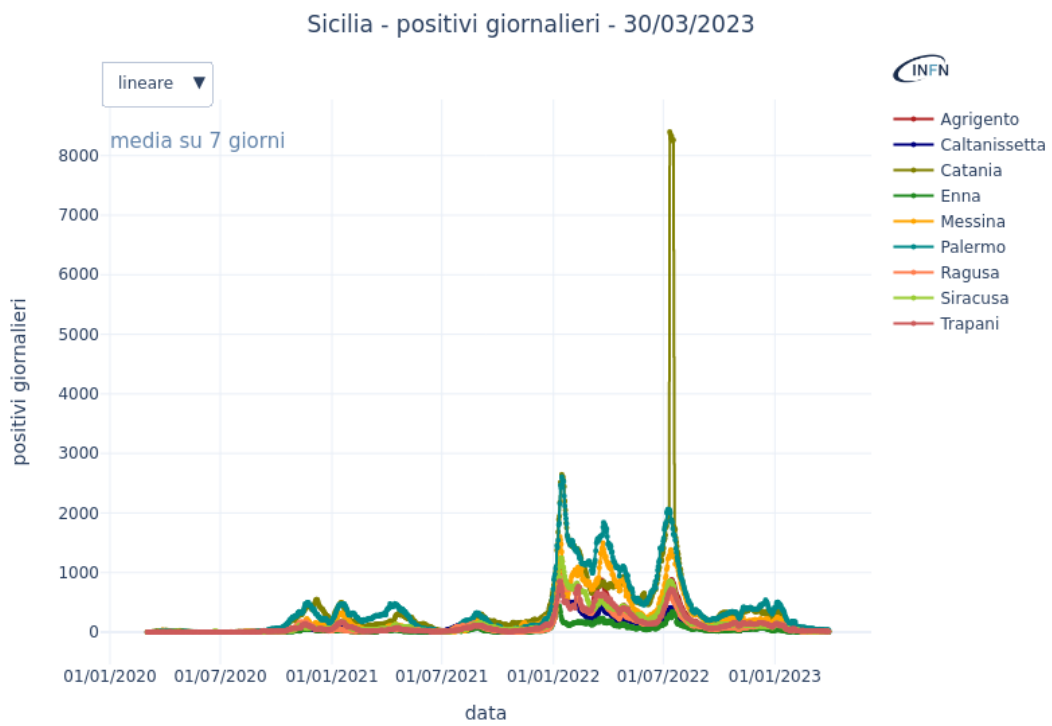


Fig. 280



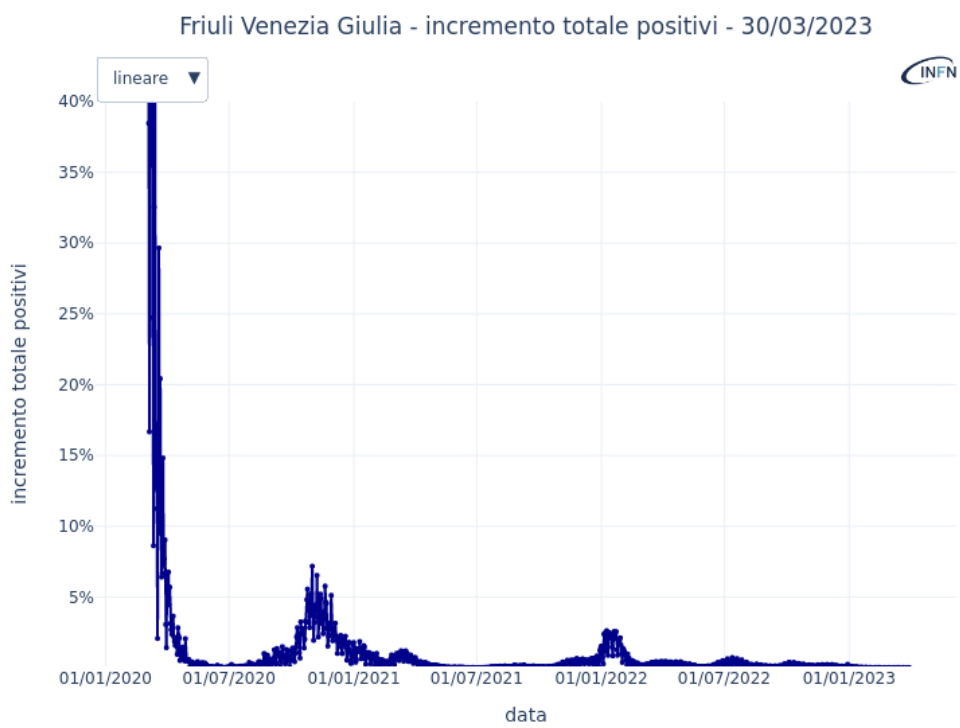


Fig. 281

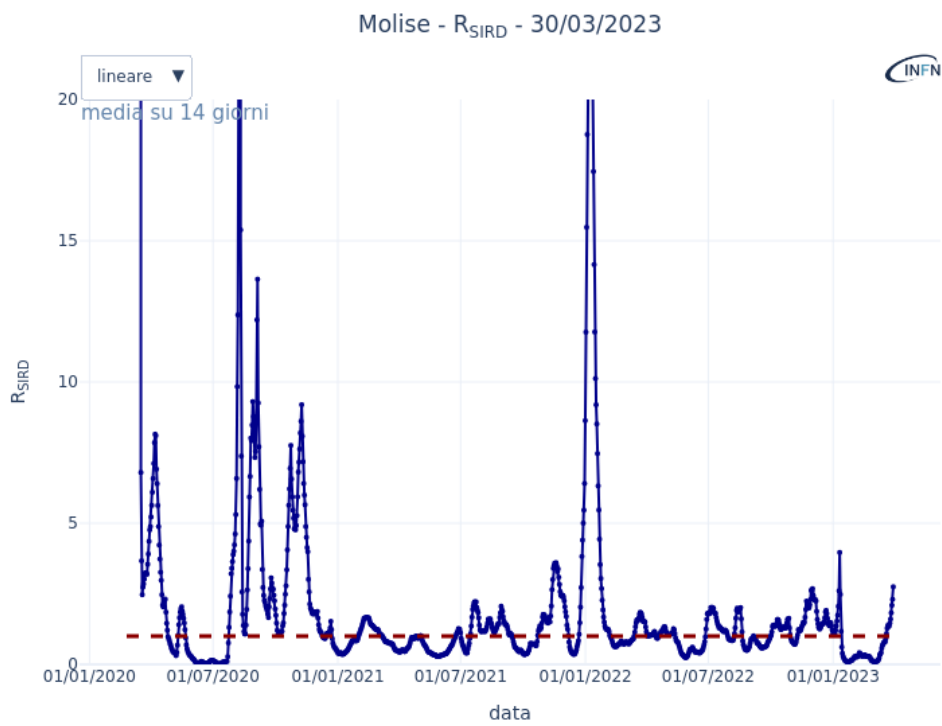


Fig. 282



Fig. 283

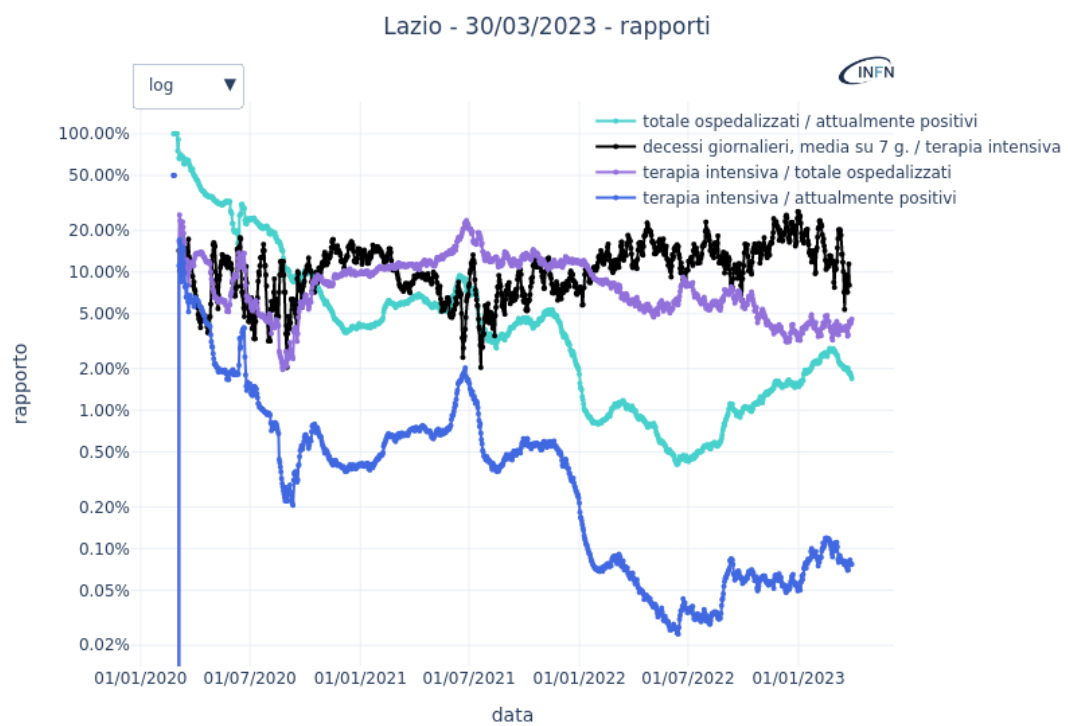


Fig. 284

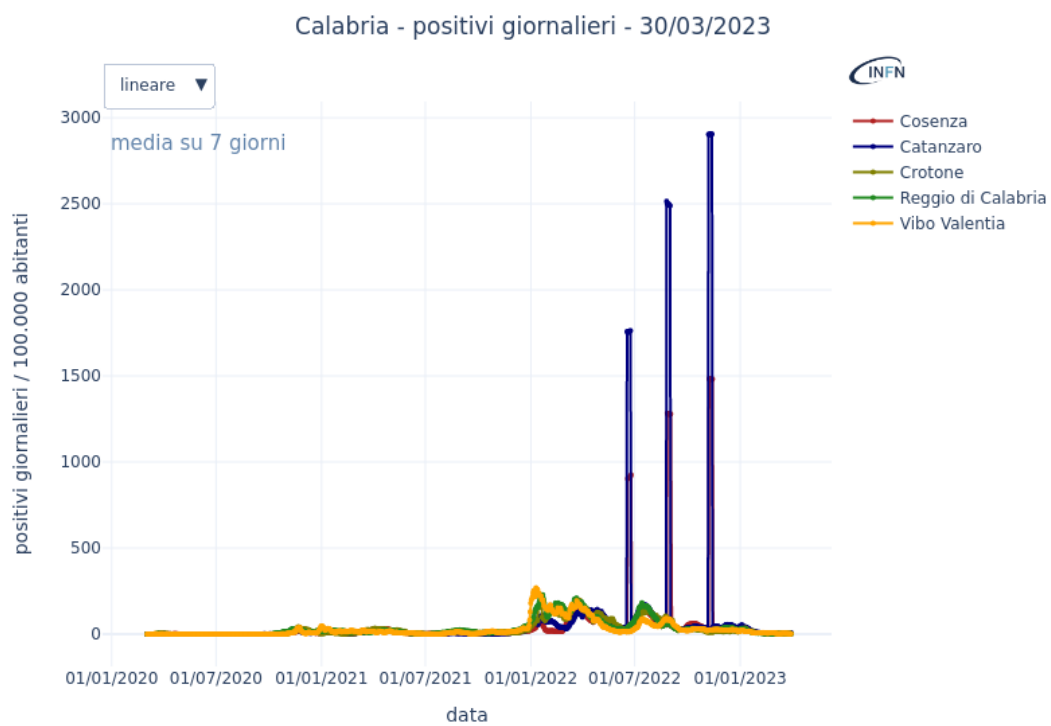


Fig. 285

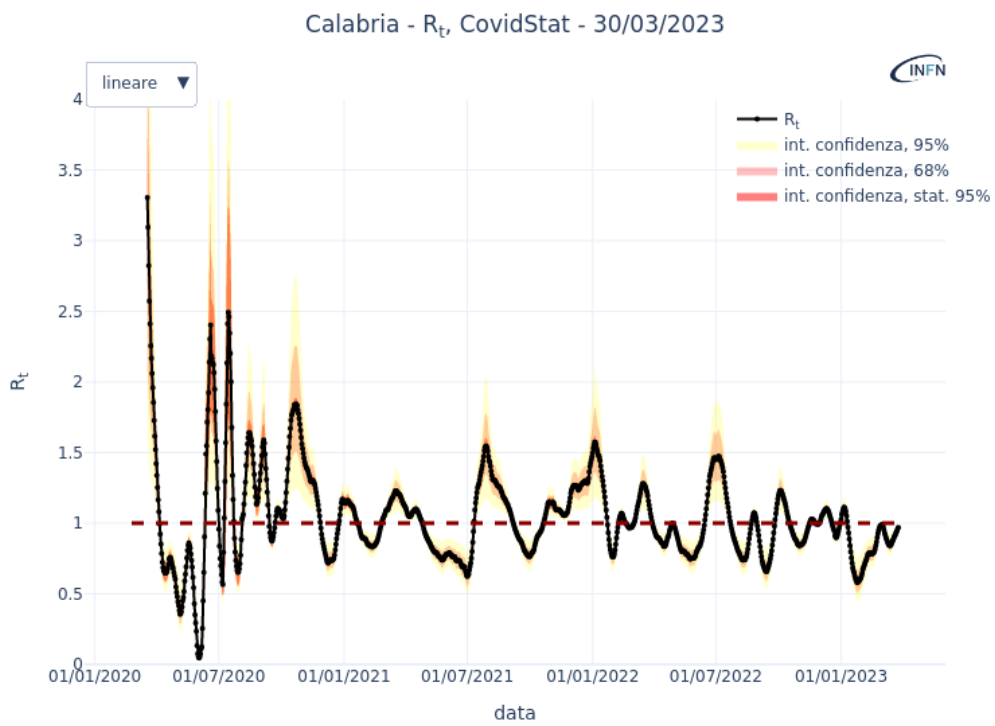


Fig. 286

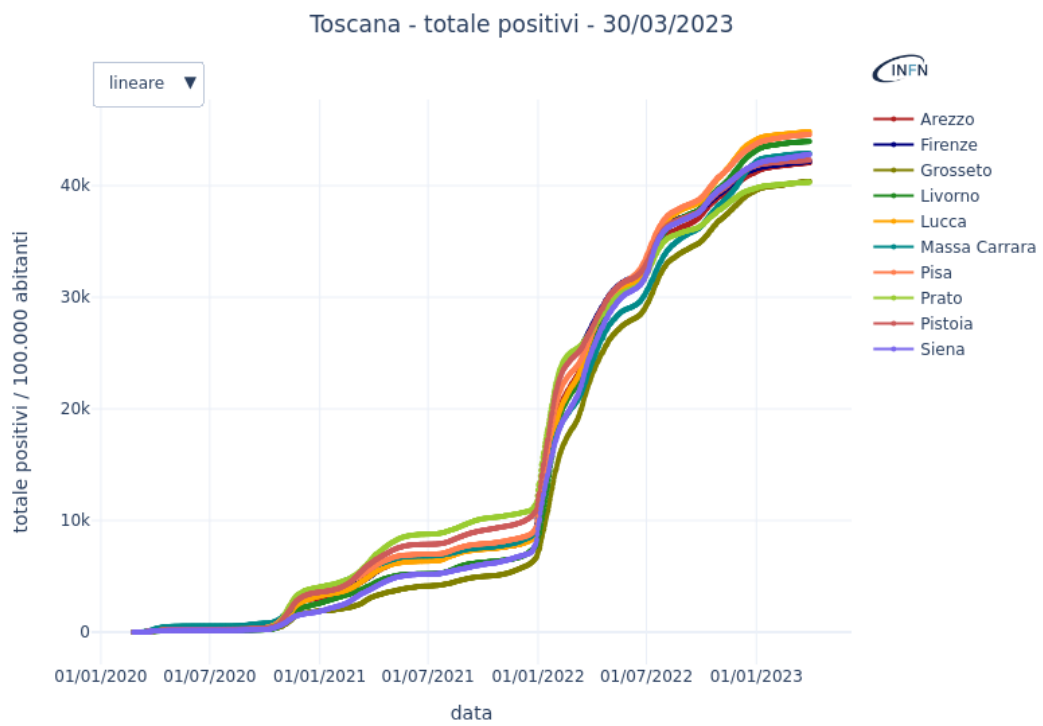


Fig. 287

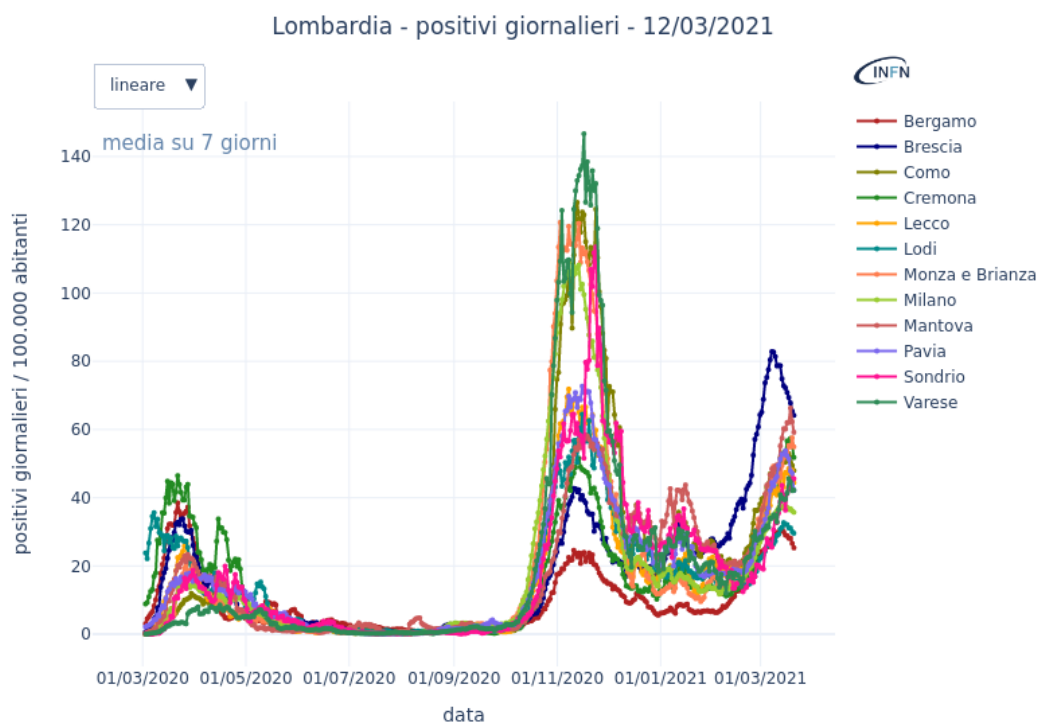


Fig. 288



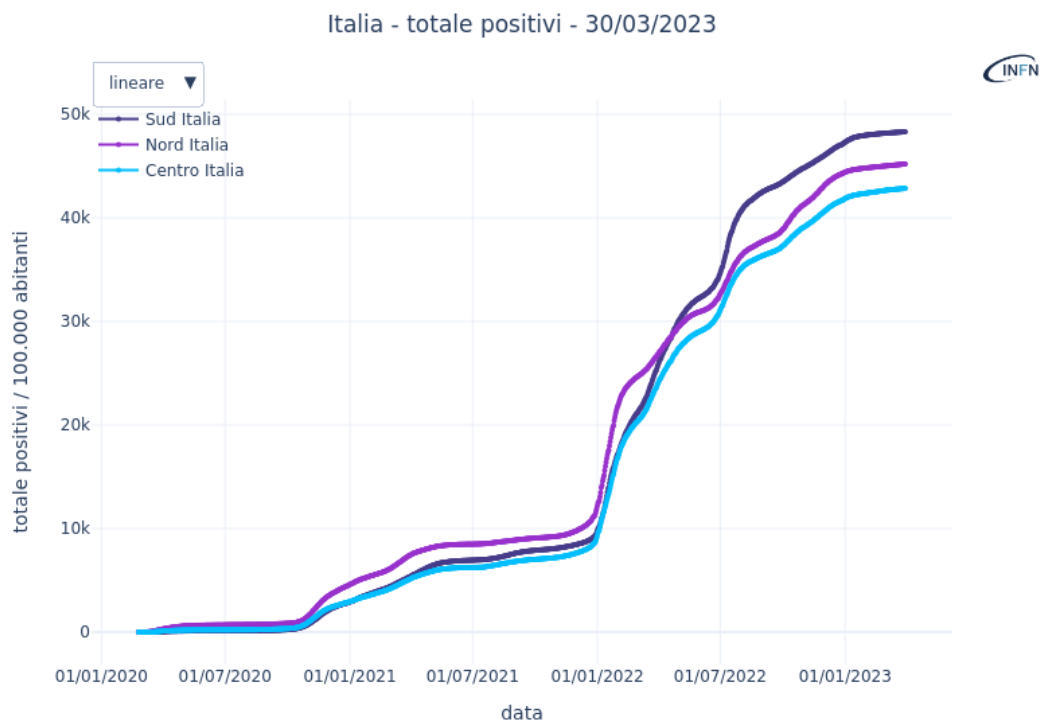


Fig. 289

Umbria - positivi e casi testati giornalieri - 30/03/2023

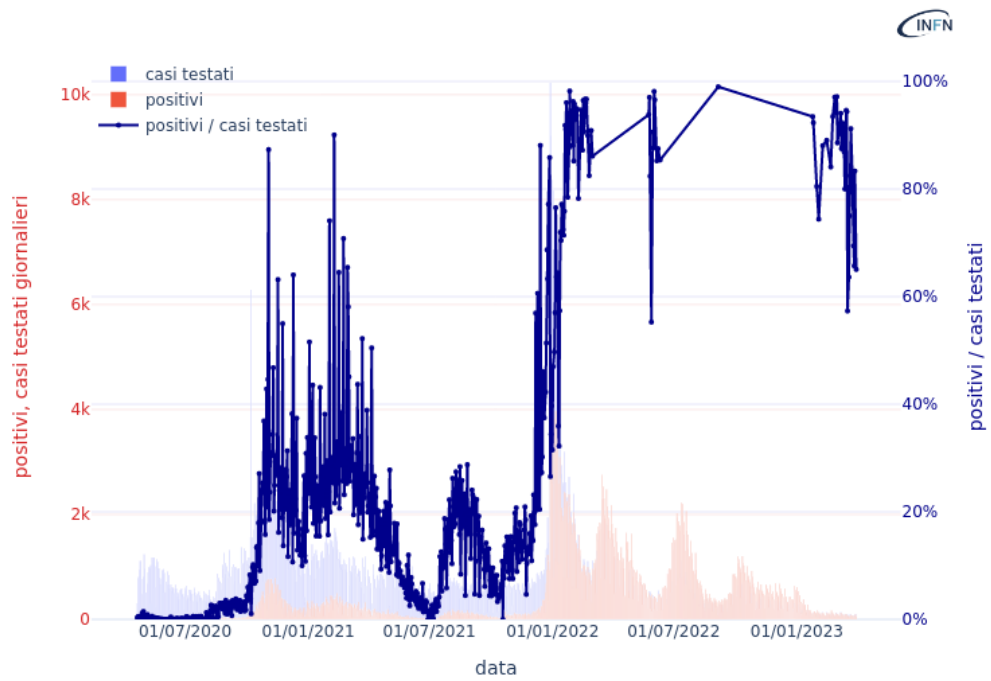


Fig. 290

### Dosi somministrate - Sardegna

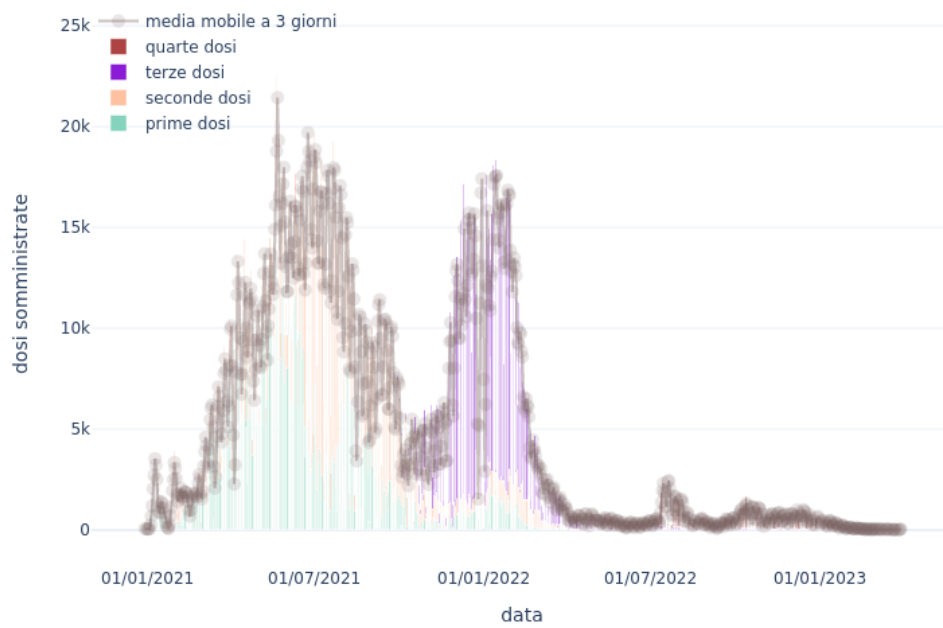


Fig. 291

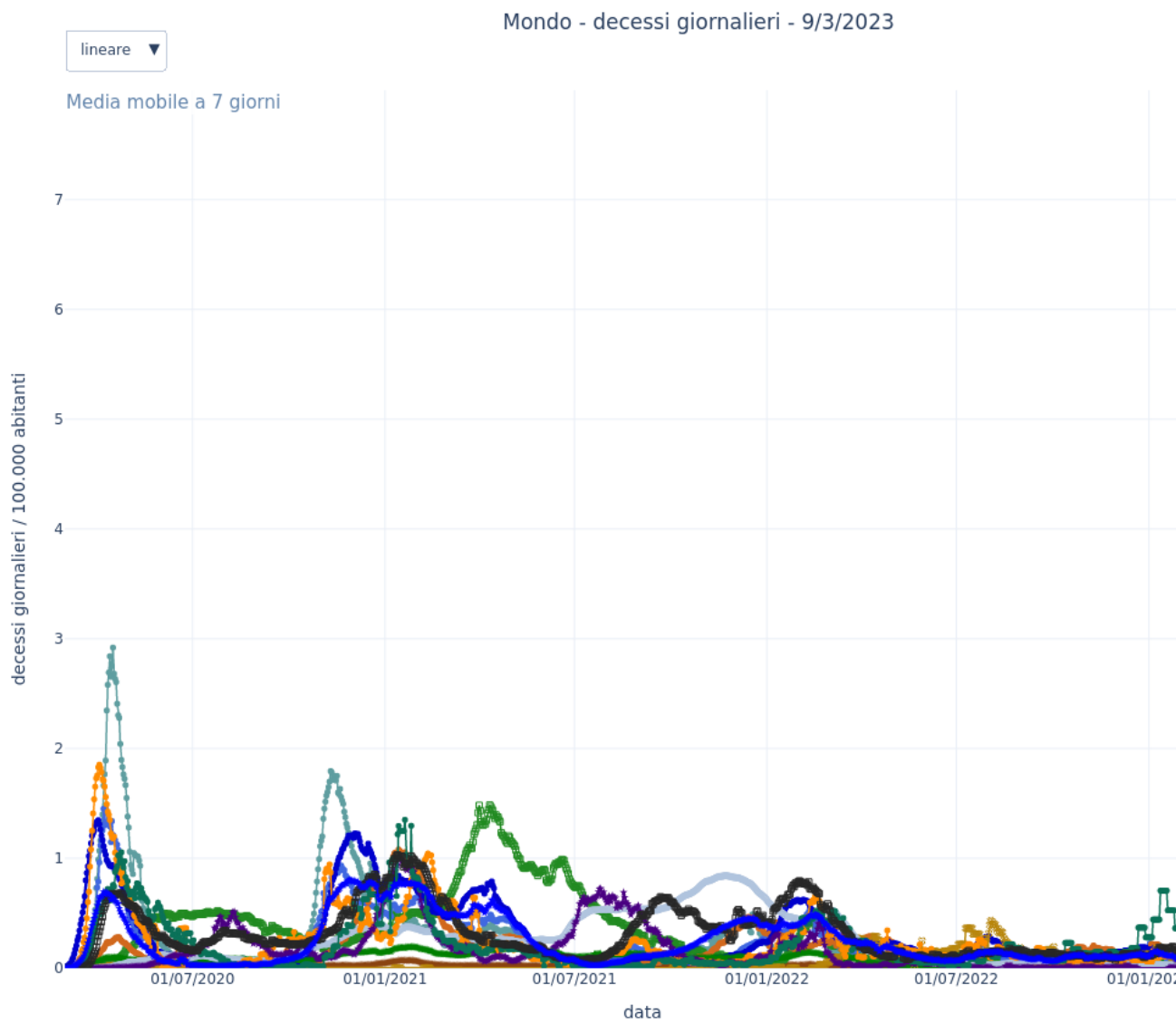


Fig. 292

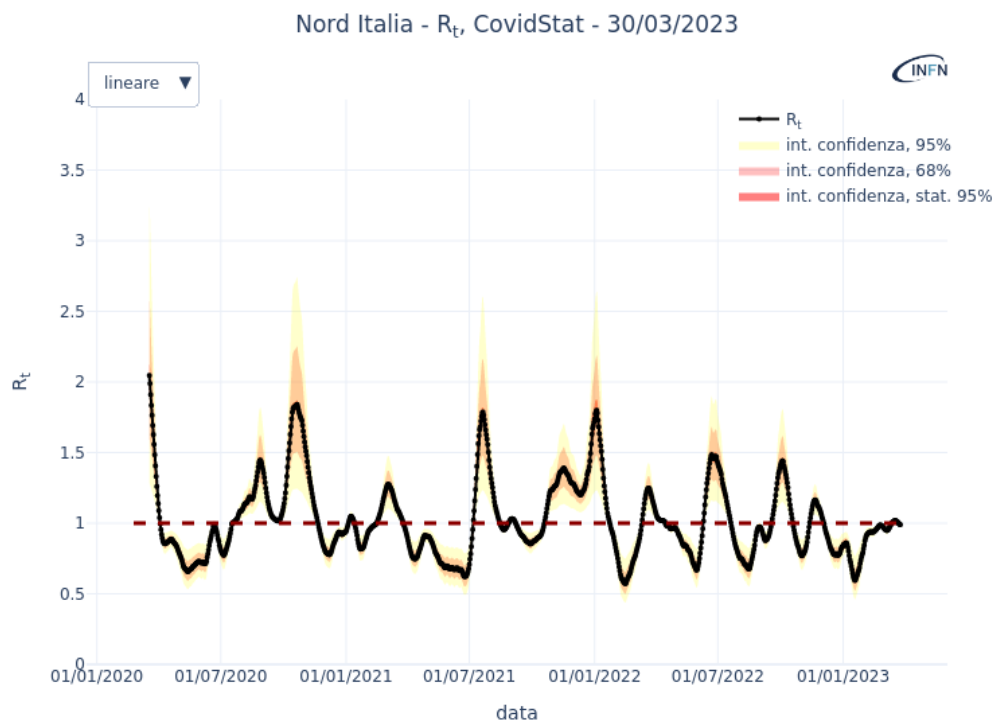


Fig. 293

Veneto - tempo di raddoppio (inverso) totale positivi - 30/03/2023

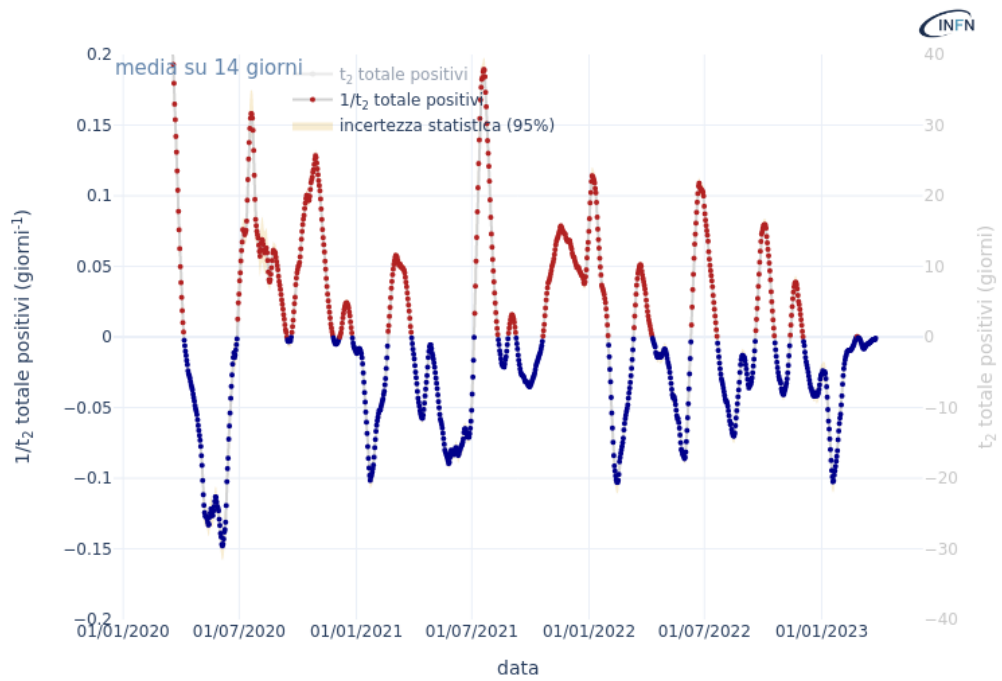


Fig. 294

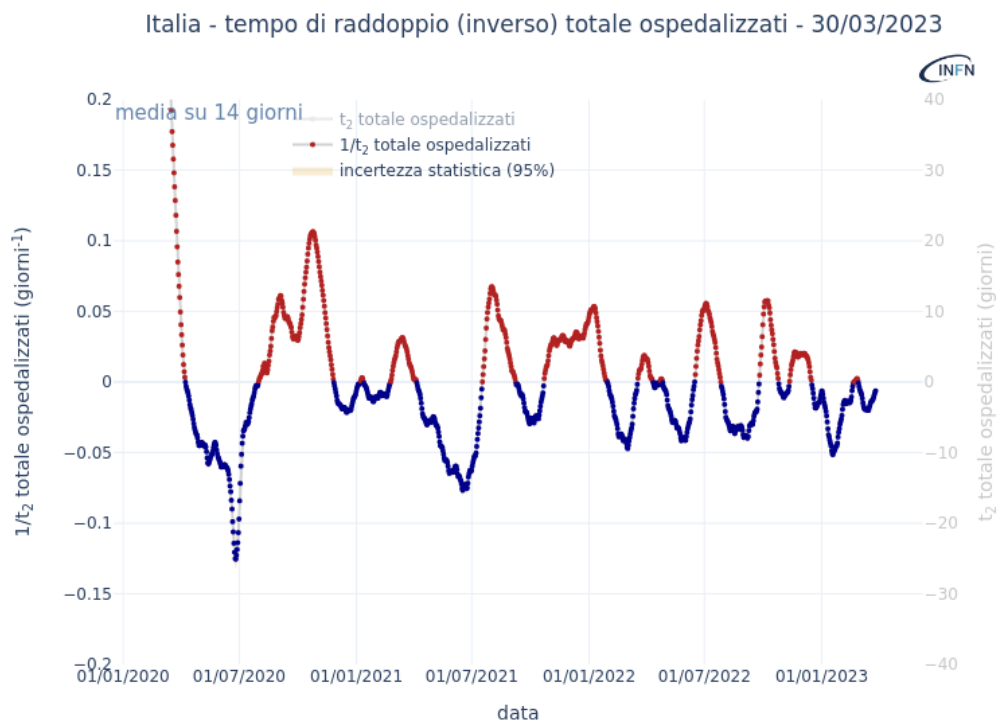


Fig. 295

Valle d'Aosta - positivi e tamponi giornalieri - 30/03/2023

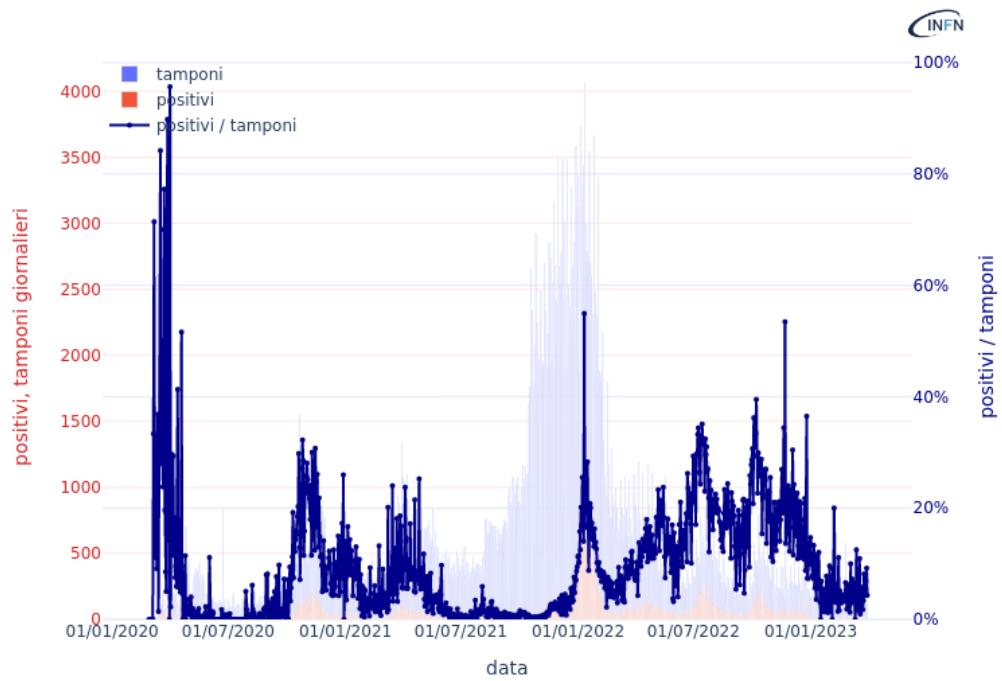


Fig. 296



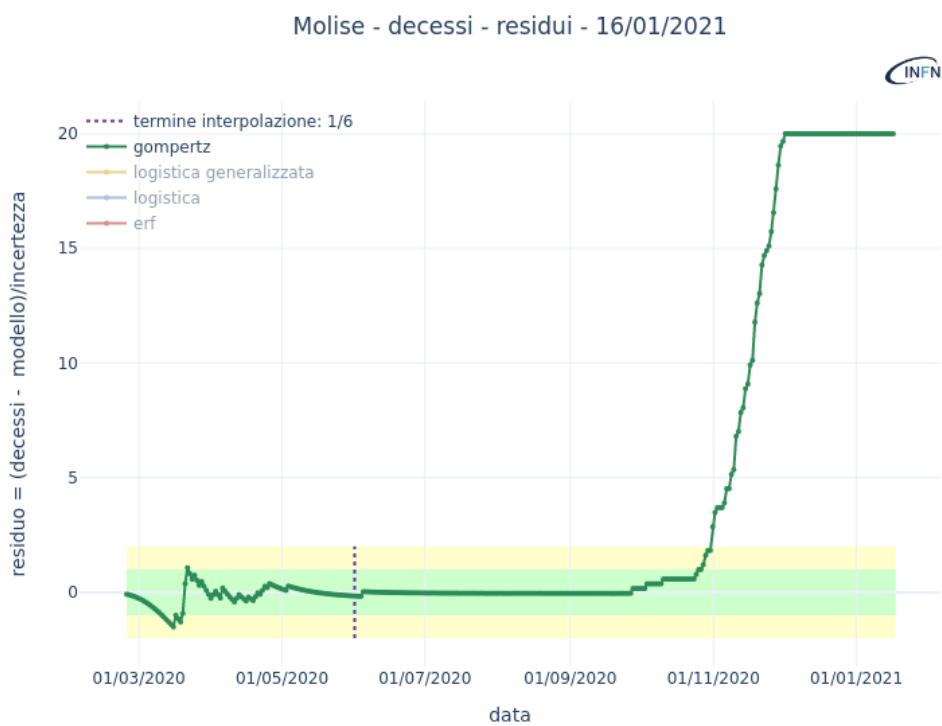


Fig. 297

Dosi somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - P.A. Bolzano

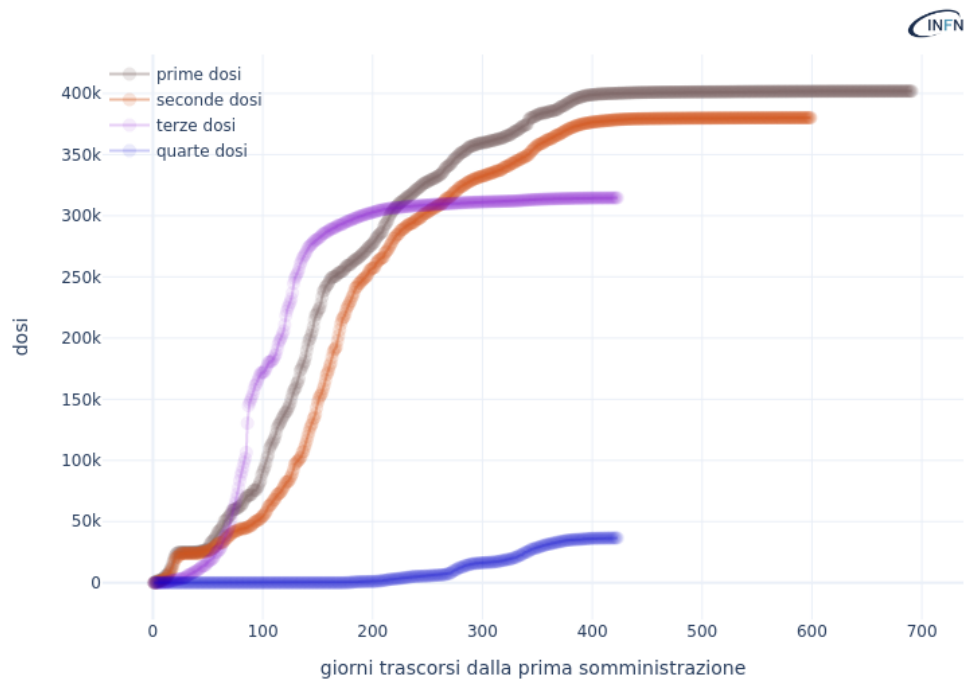


Fig. 298

P.A. Trento - 30/03/2023 - rapporti

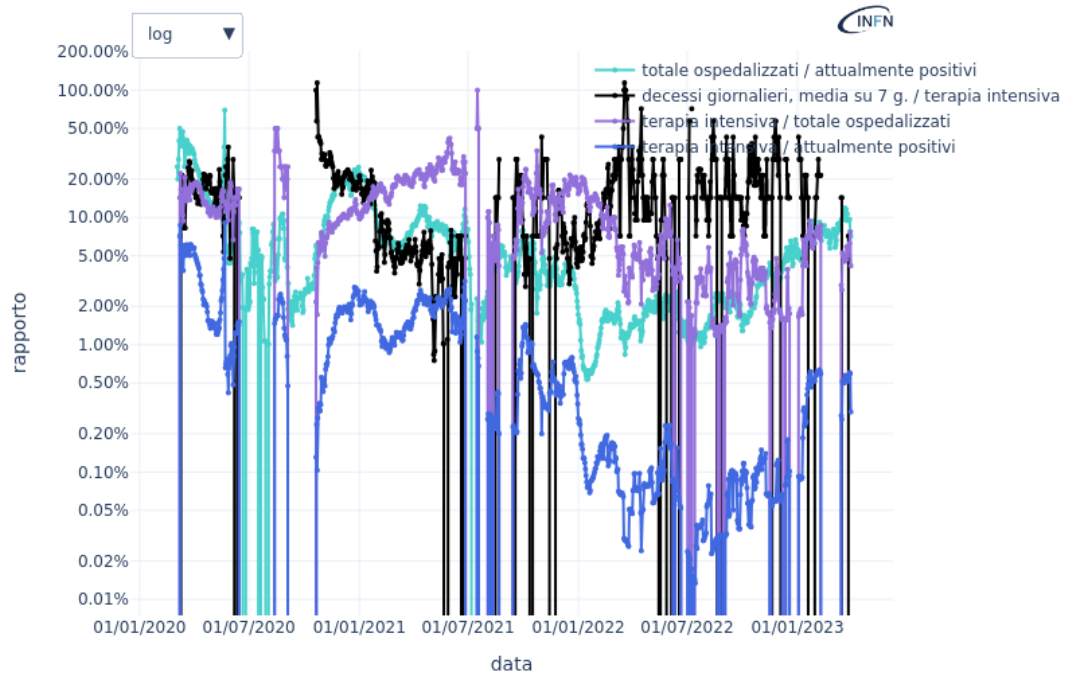


Fig. 299

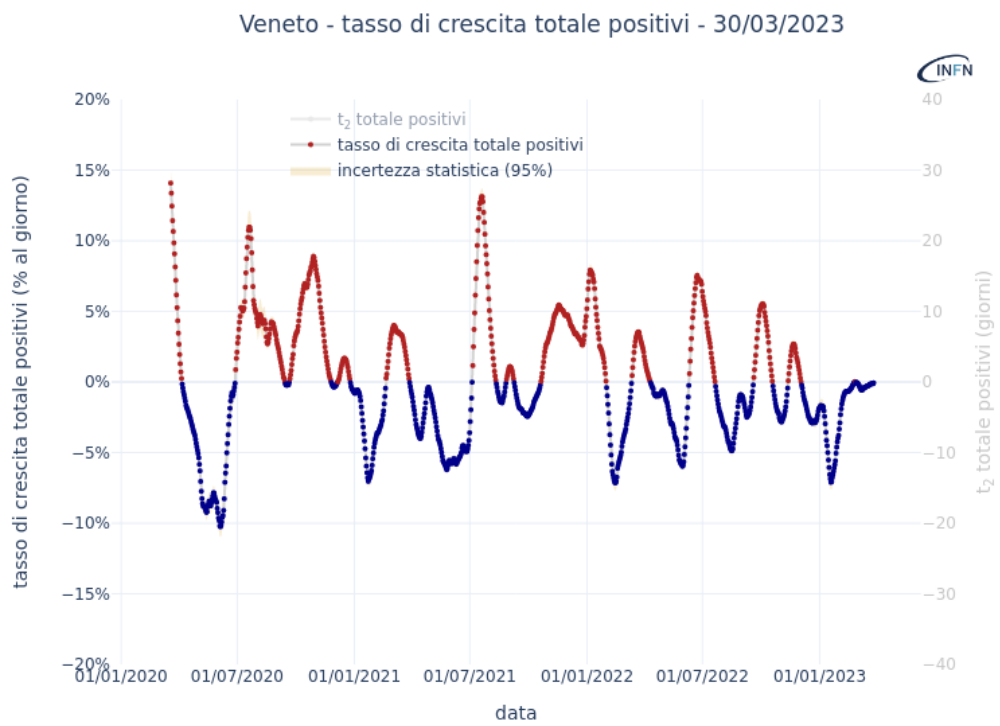


Fig. 300

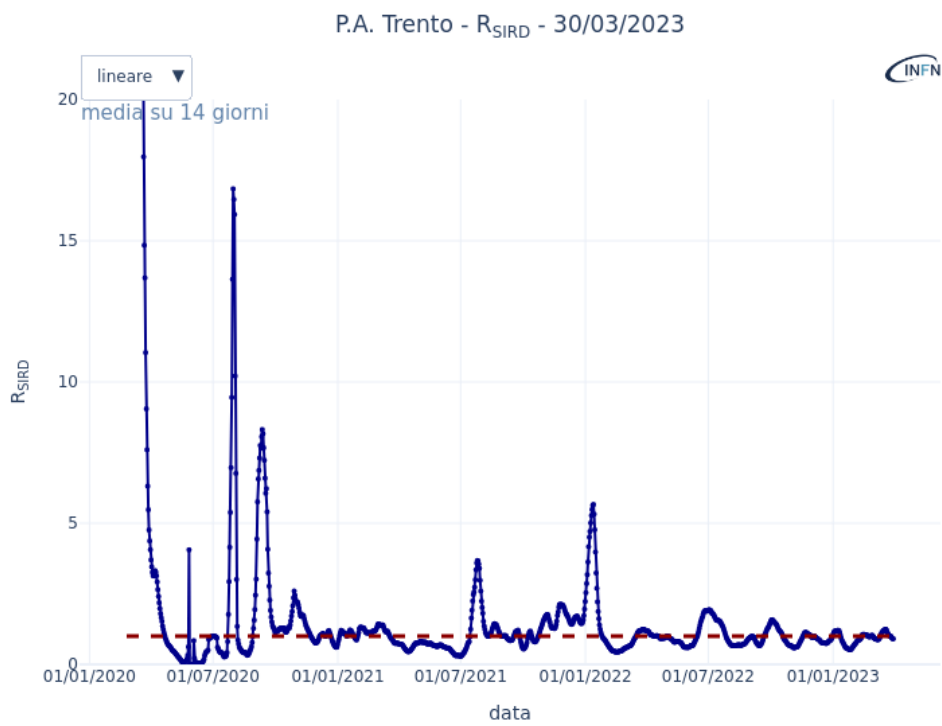


Fig. 301

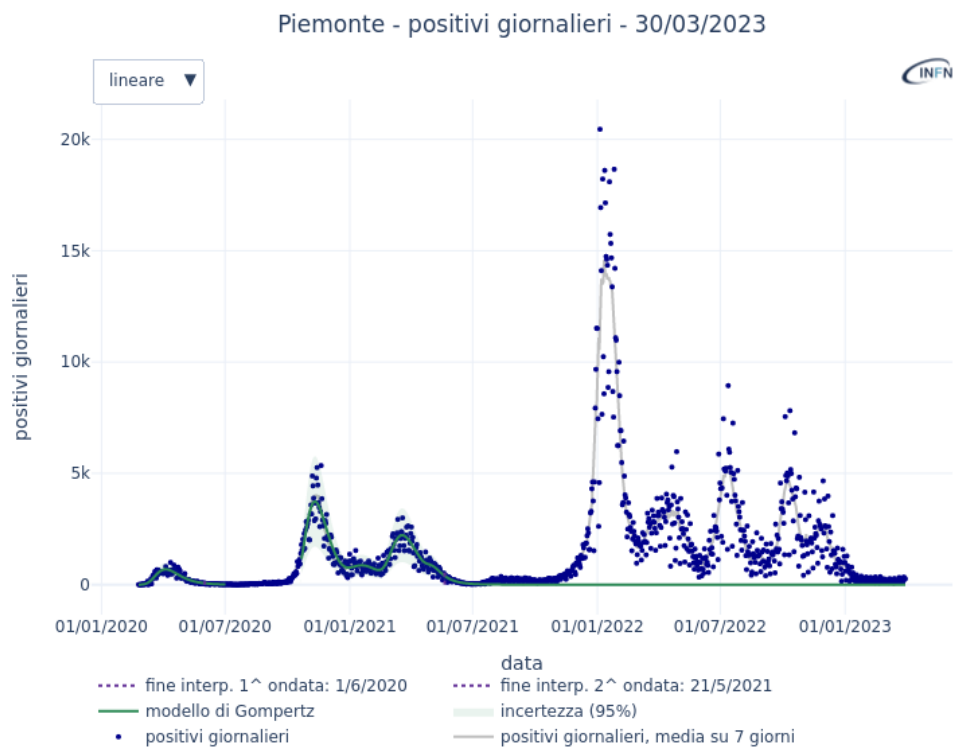


Fig. 302

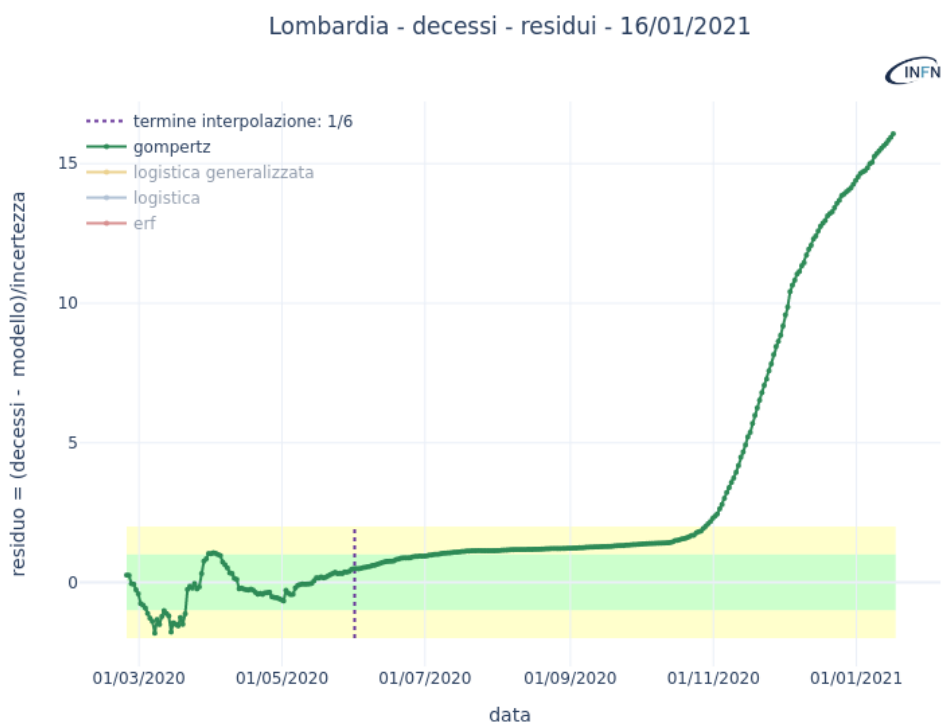


Fig. 303

Valle d'Aosta - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

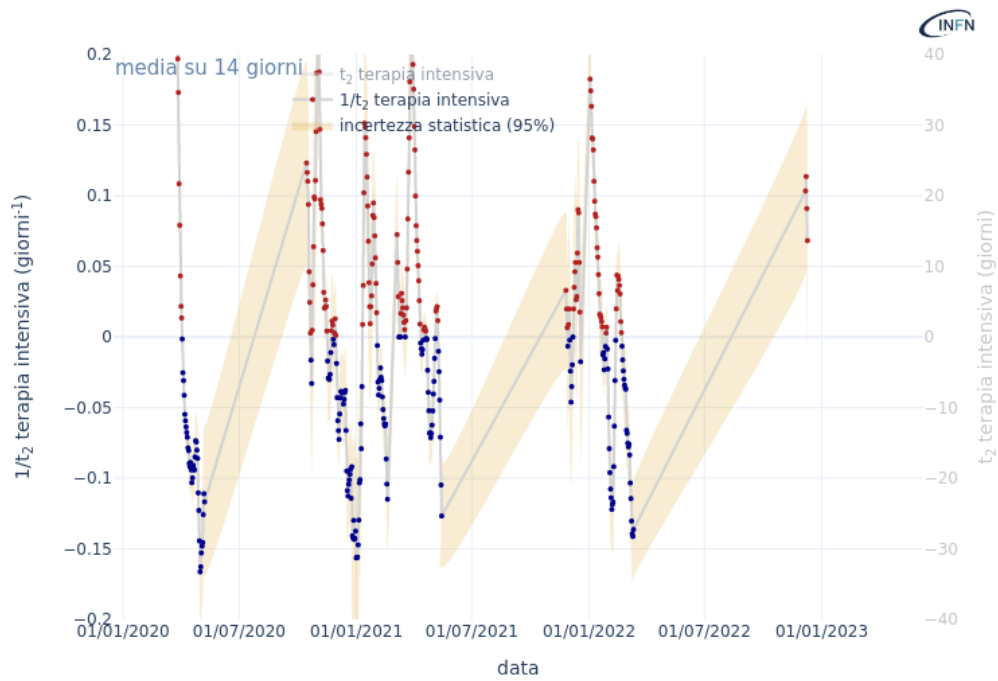


Fig. 304



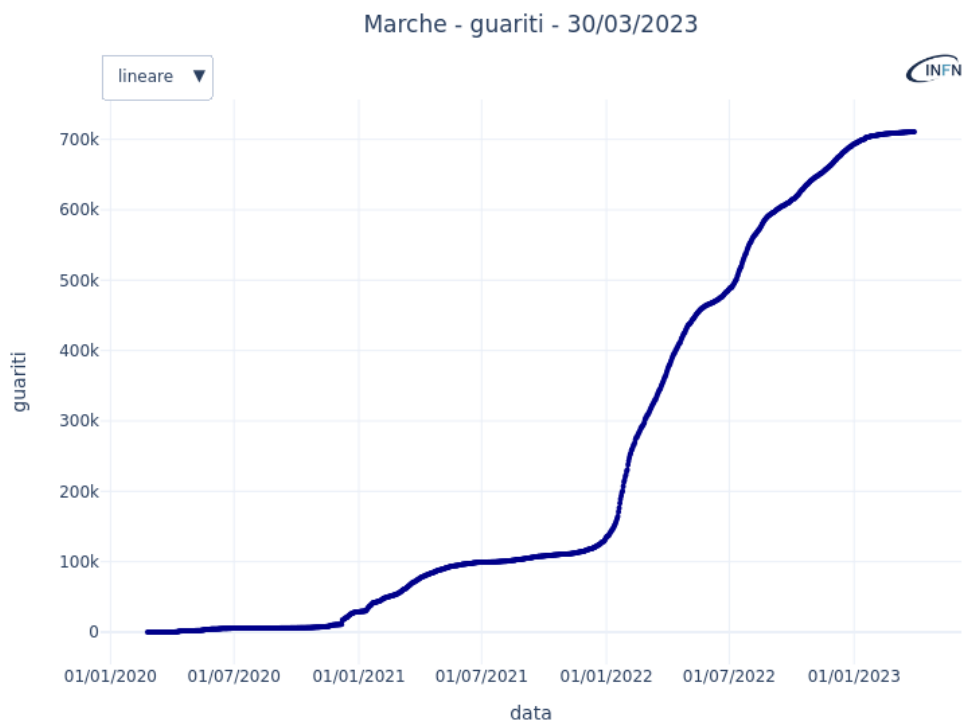


Fig. 305

Abruzzo - tasso di crescita terapia intensiva - 30/03/2023

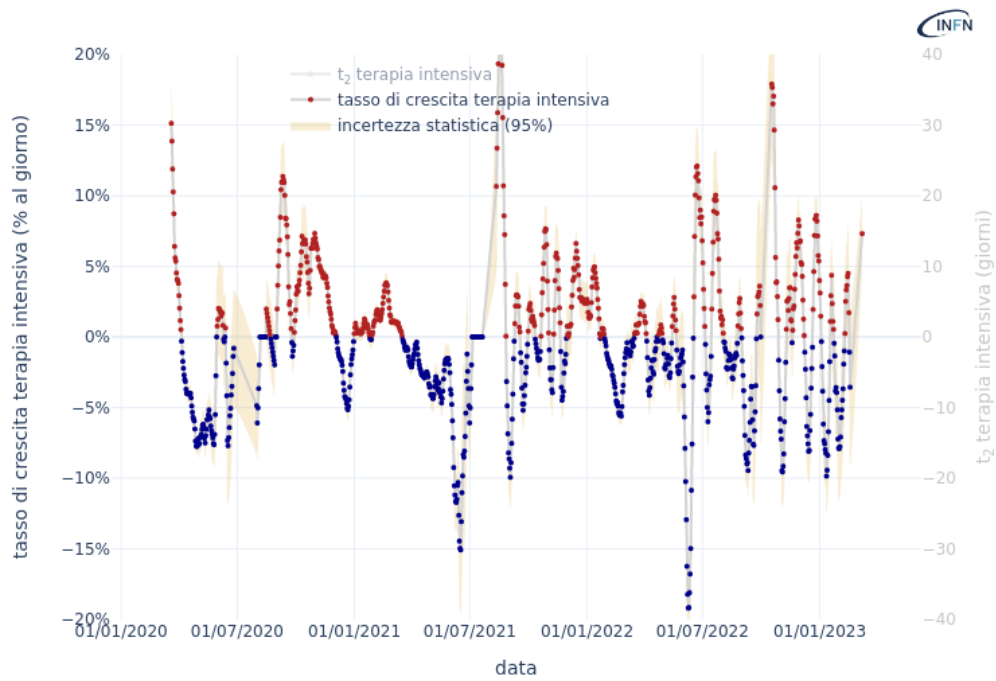


Fig. 306

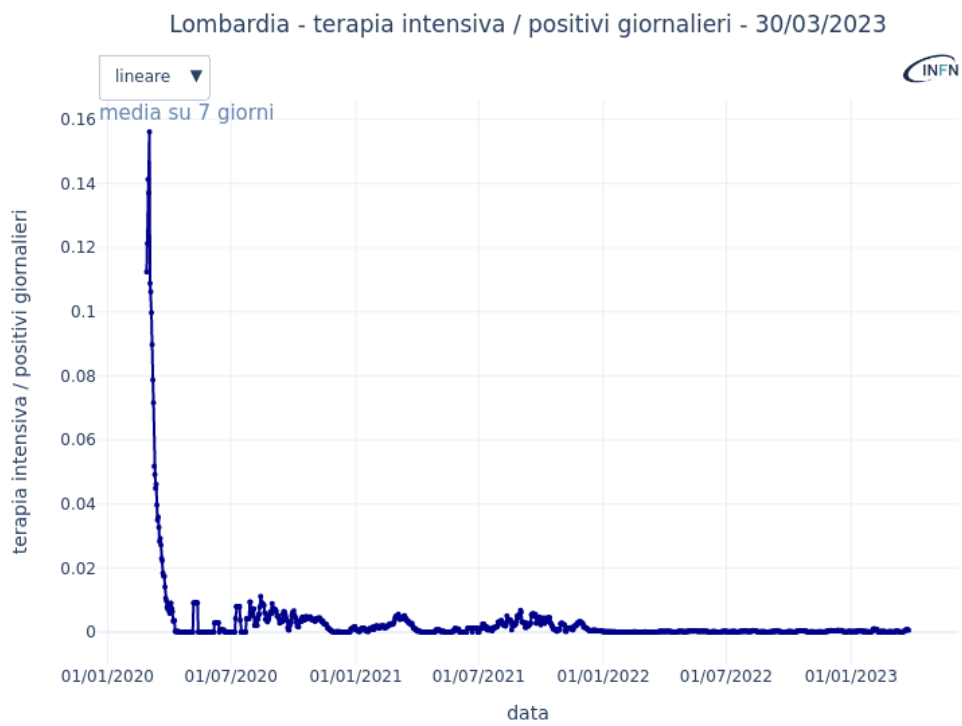


Fig. 307

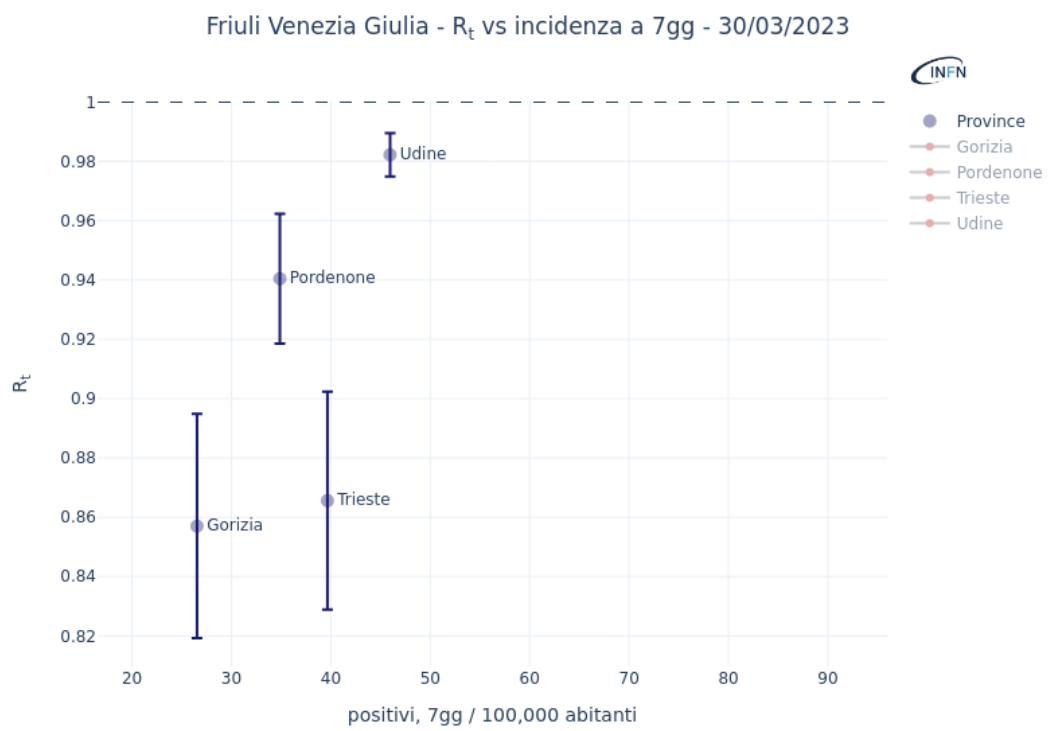


Fig. 308

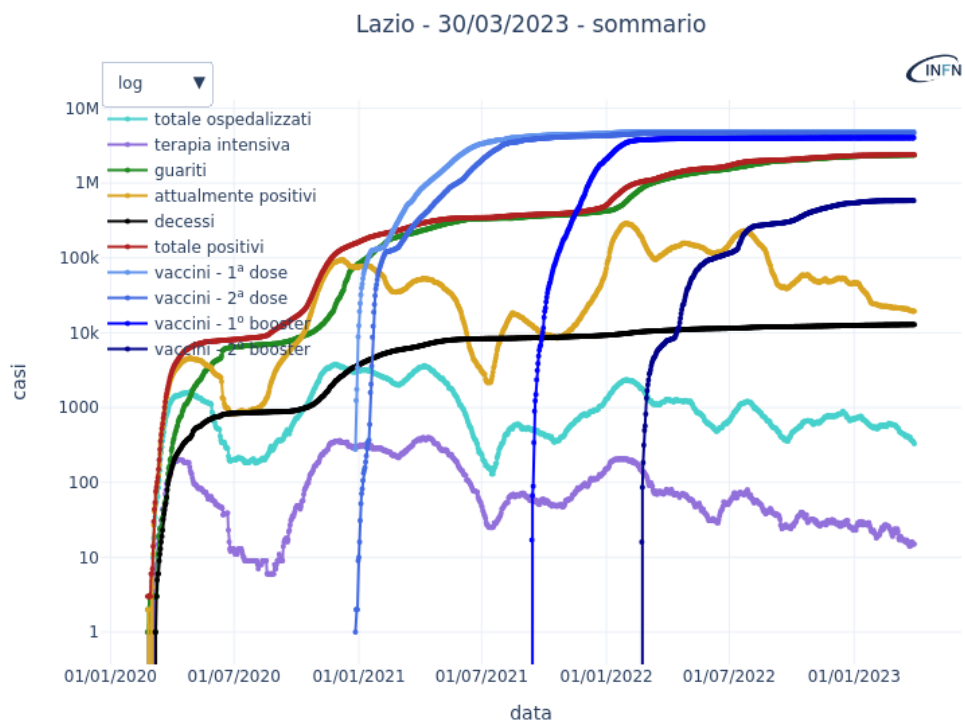


Fig. 309

Campania - totale positivi - residui - 16/01/2021

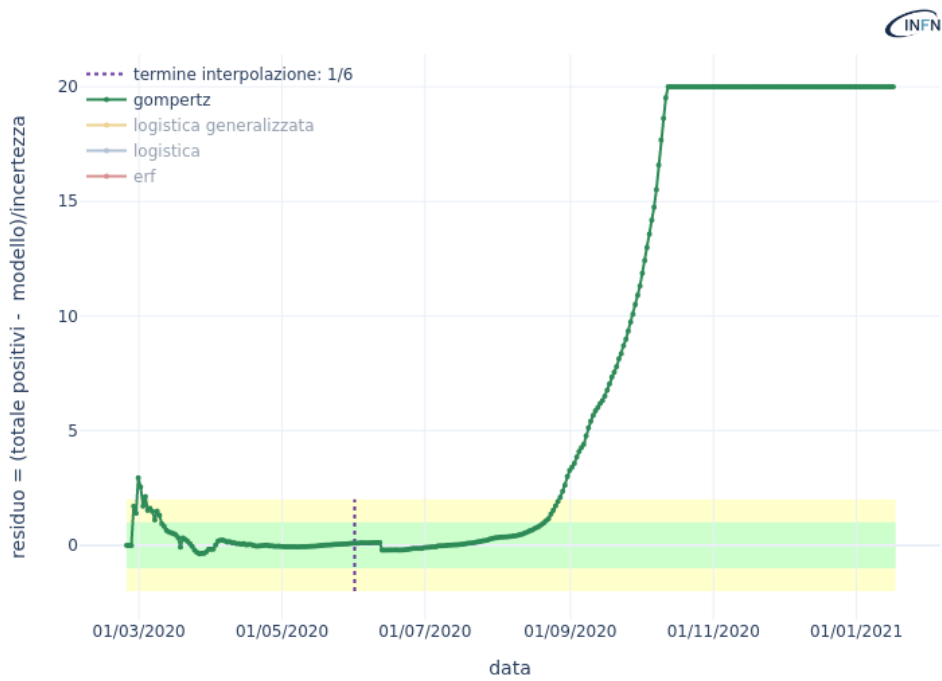


Fig. 310

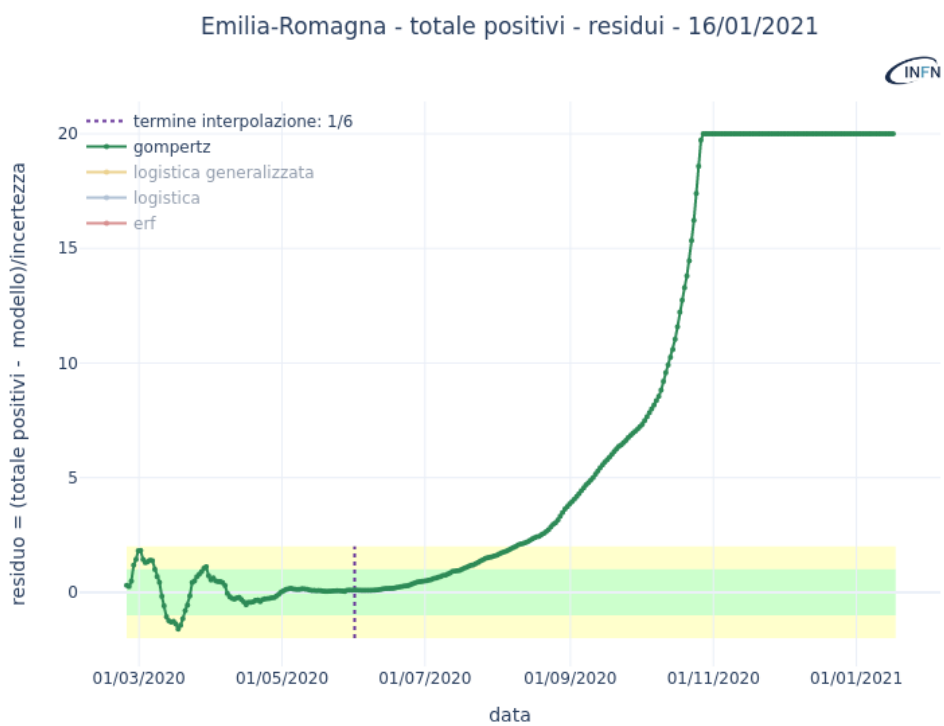


Fig. 311

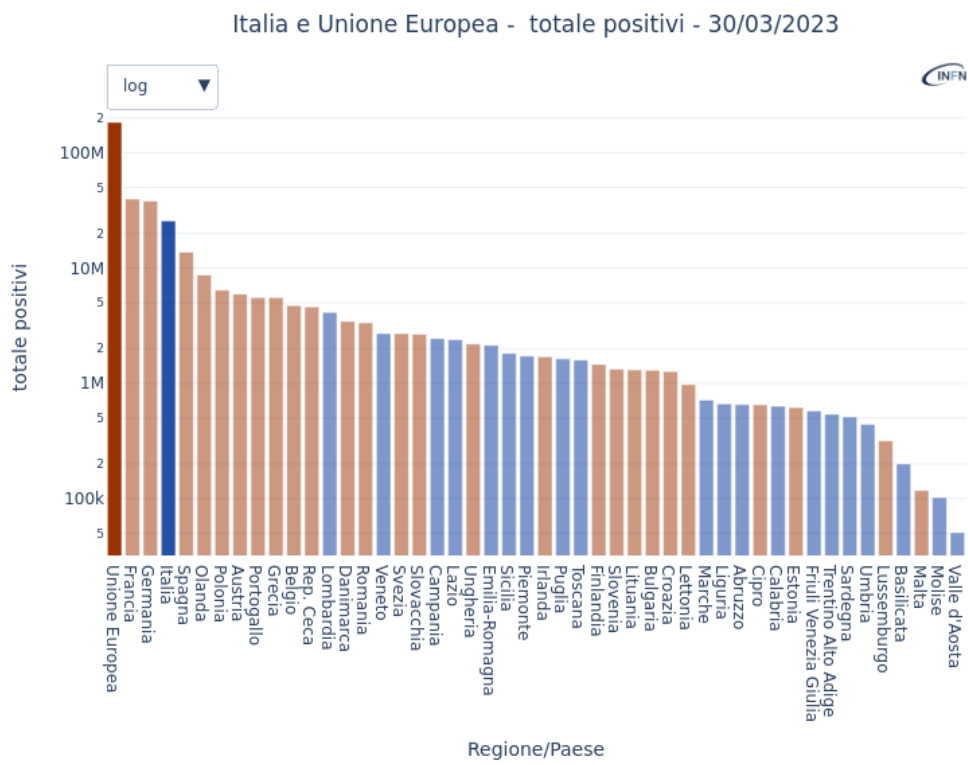


Fig. 312



Centro Italia - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

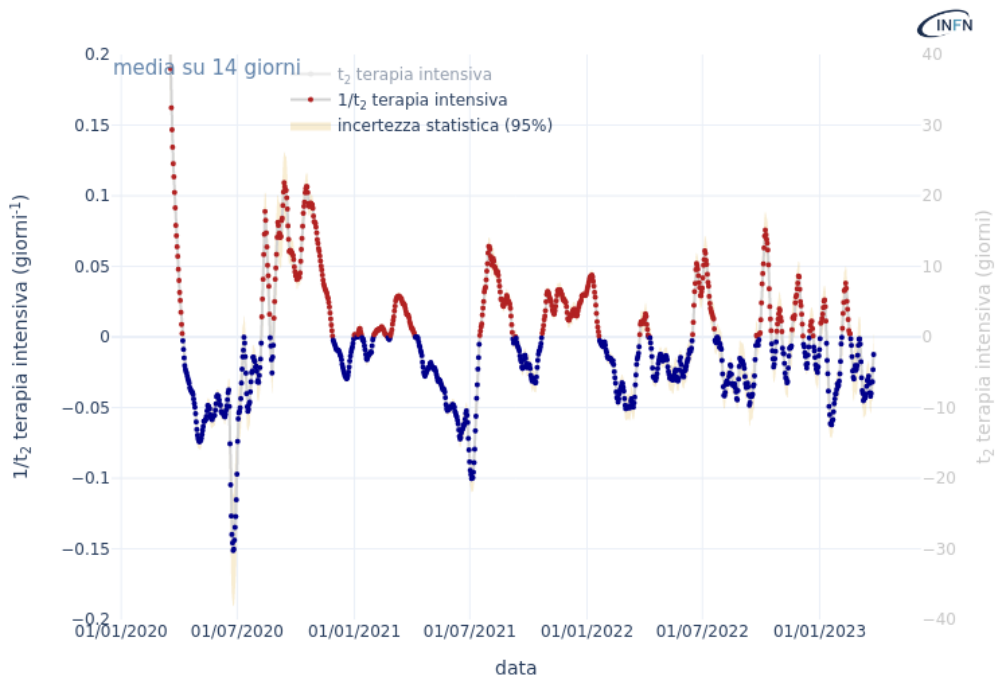


Fig. 313

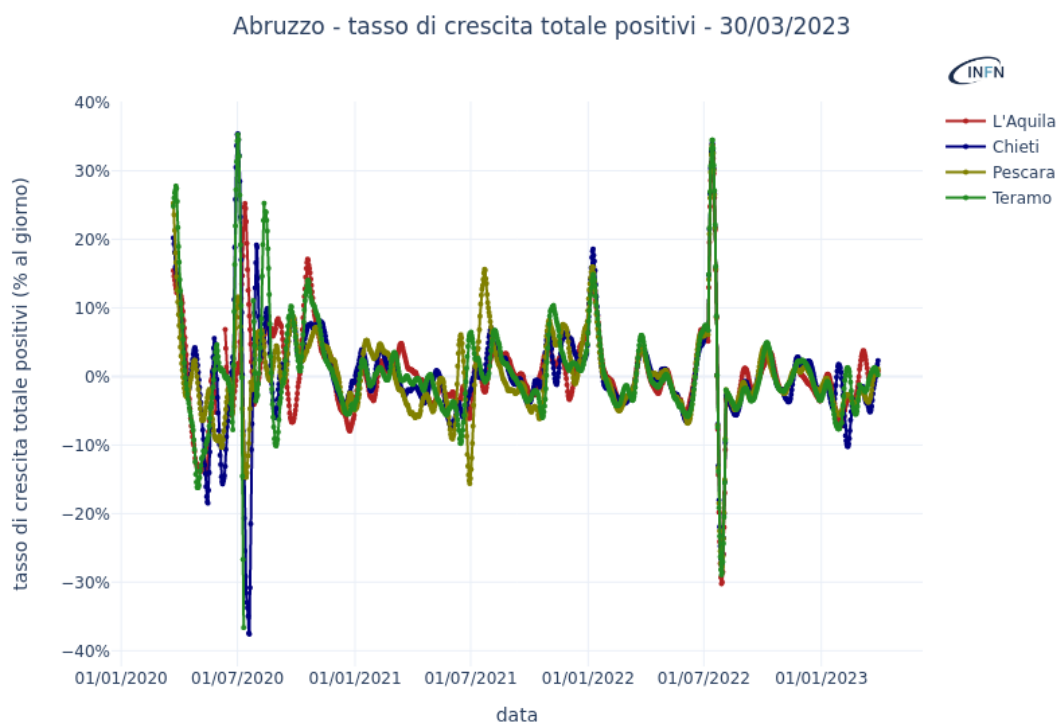


Fig. 314

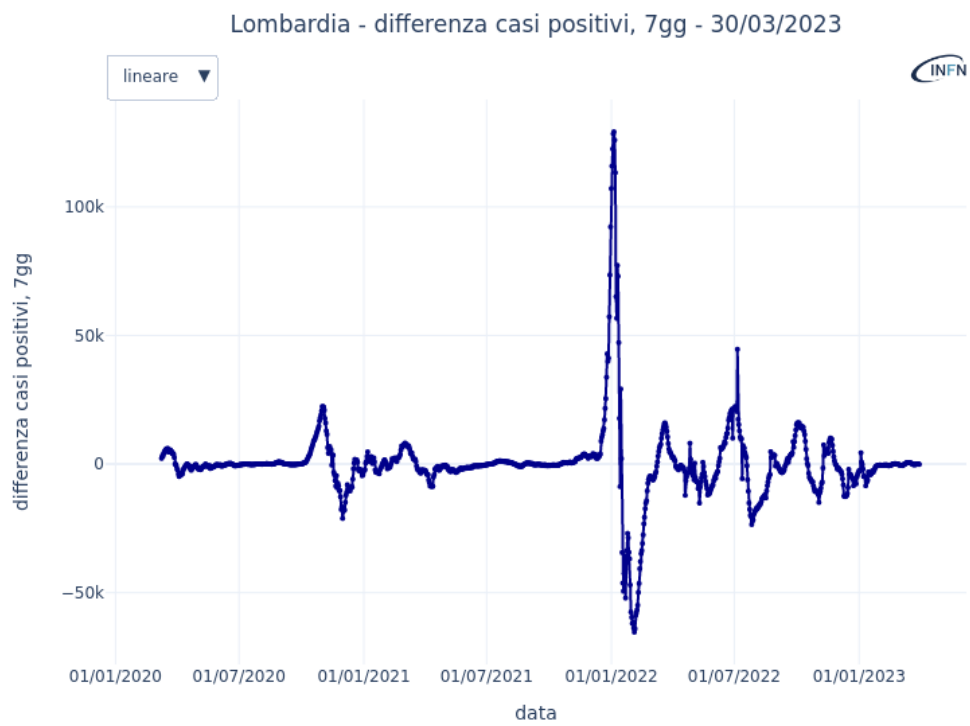


Fig. 315

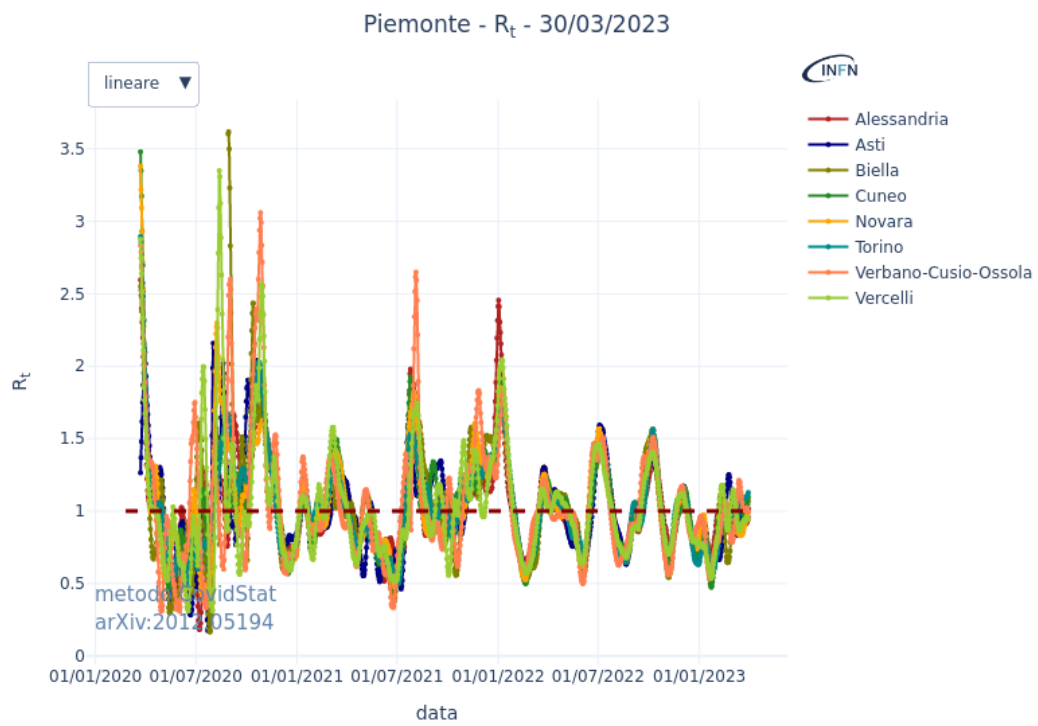


Fig. 316

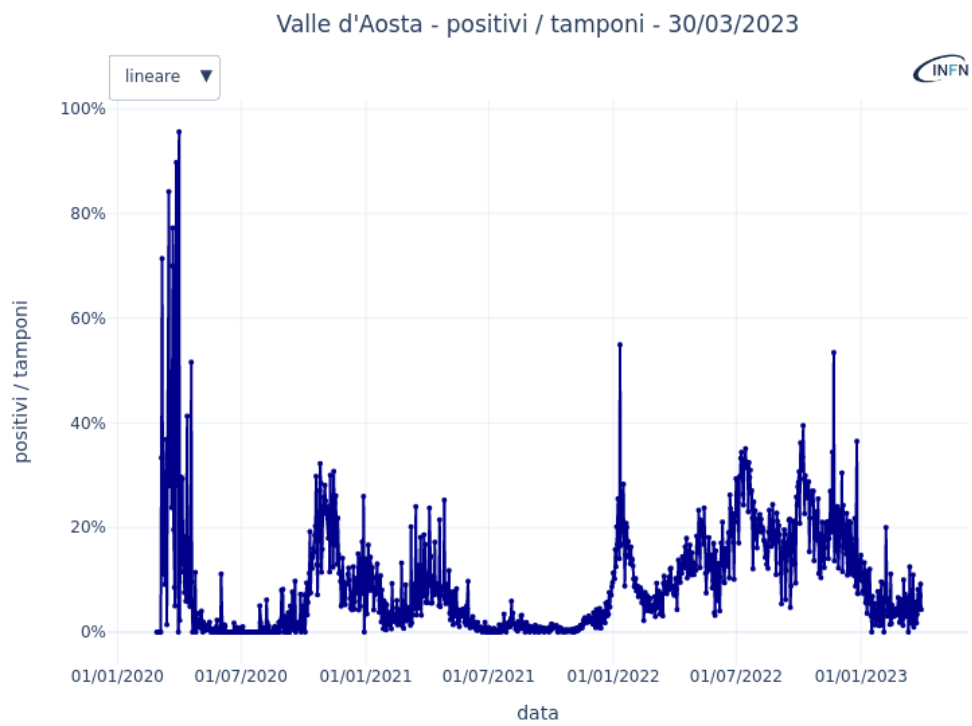


Fig. 317

Abruzzo - tempo di raddoppio (inverso) decessi - 30/03/2023

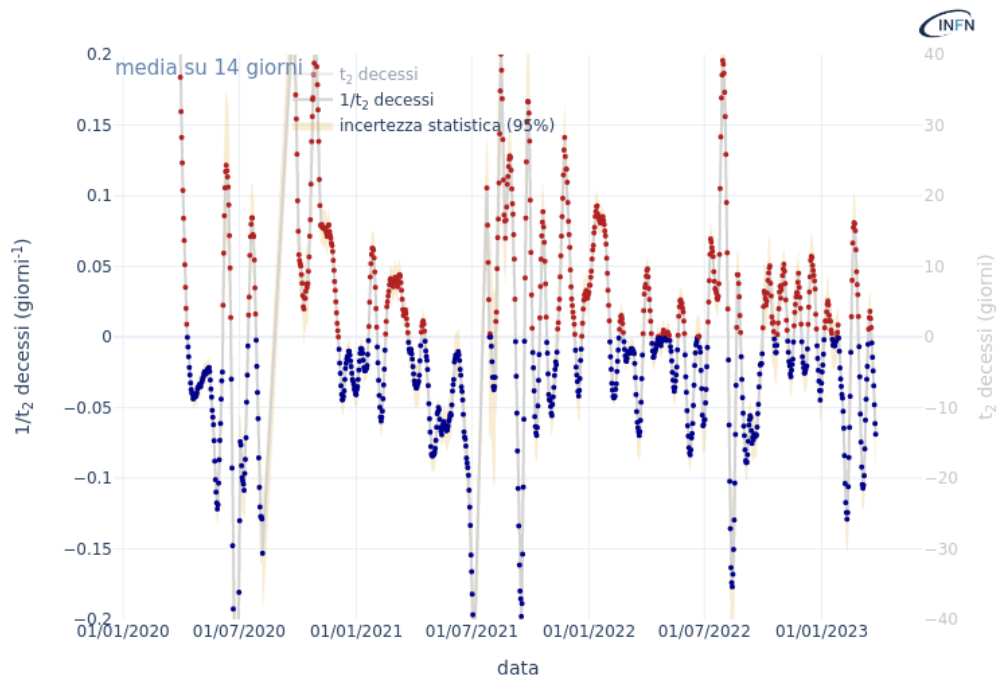


Fig. 318

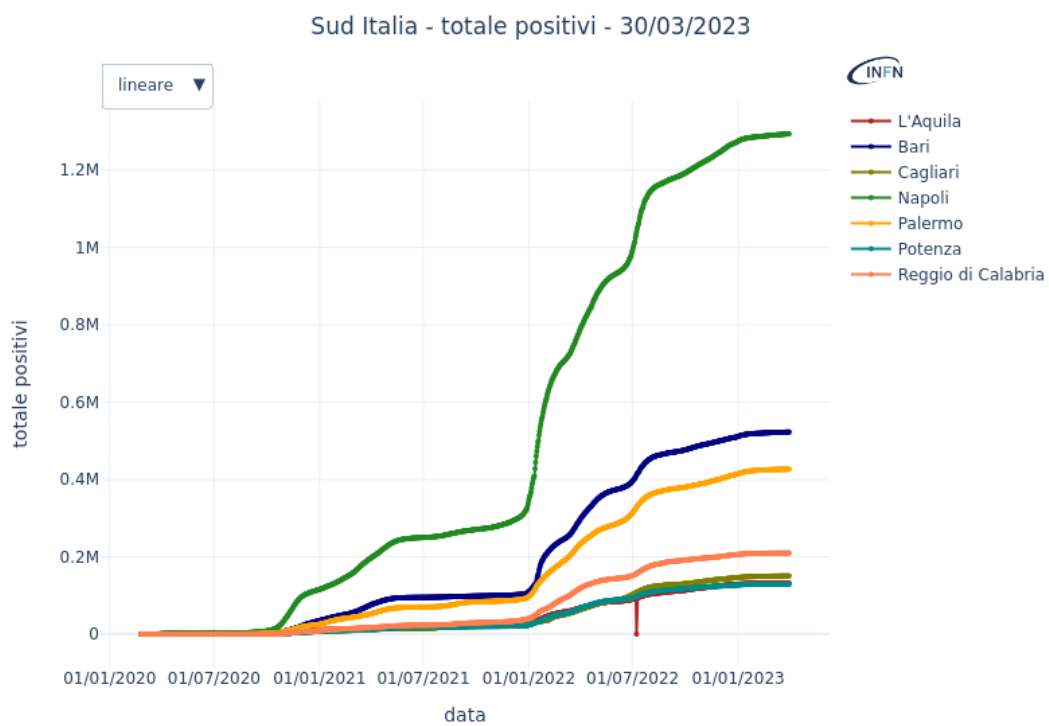


Fig. 319

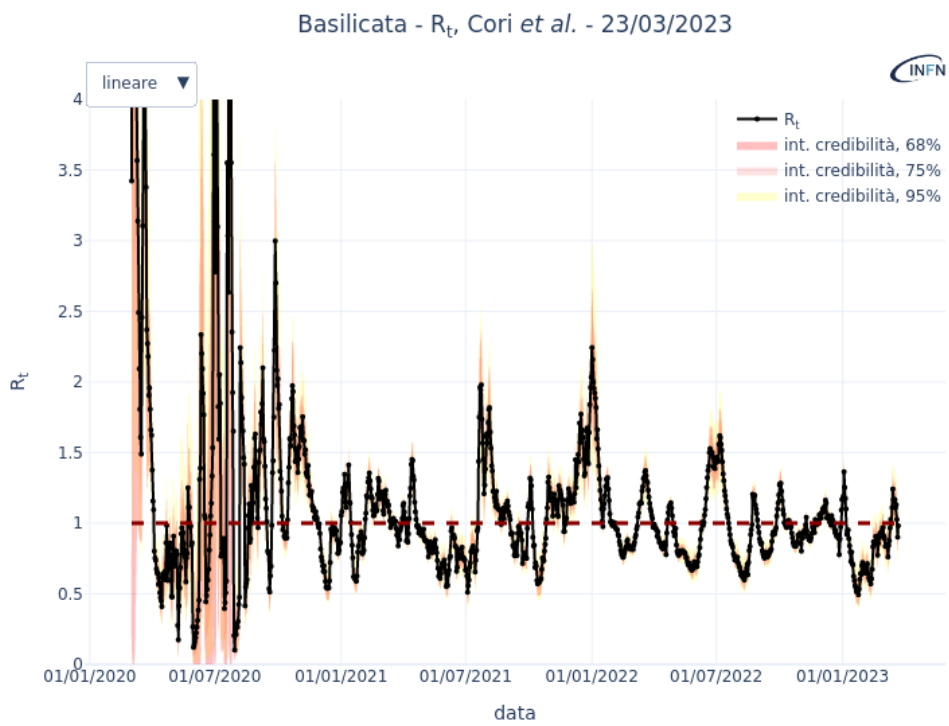


Fig. 320



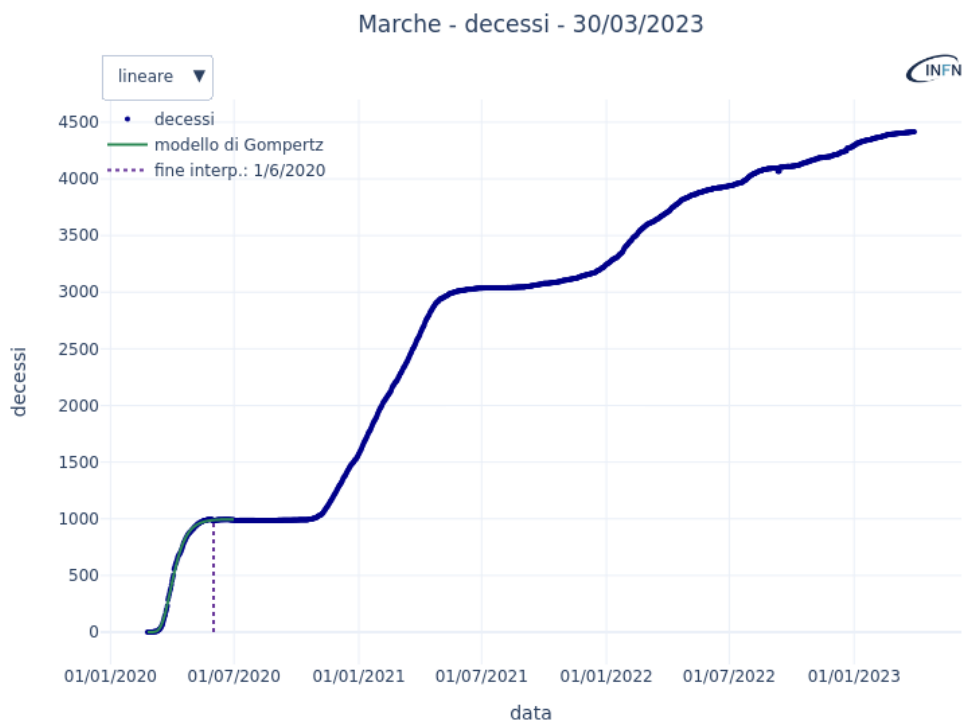


Fig. 321



Fig. 322

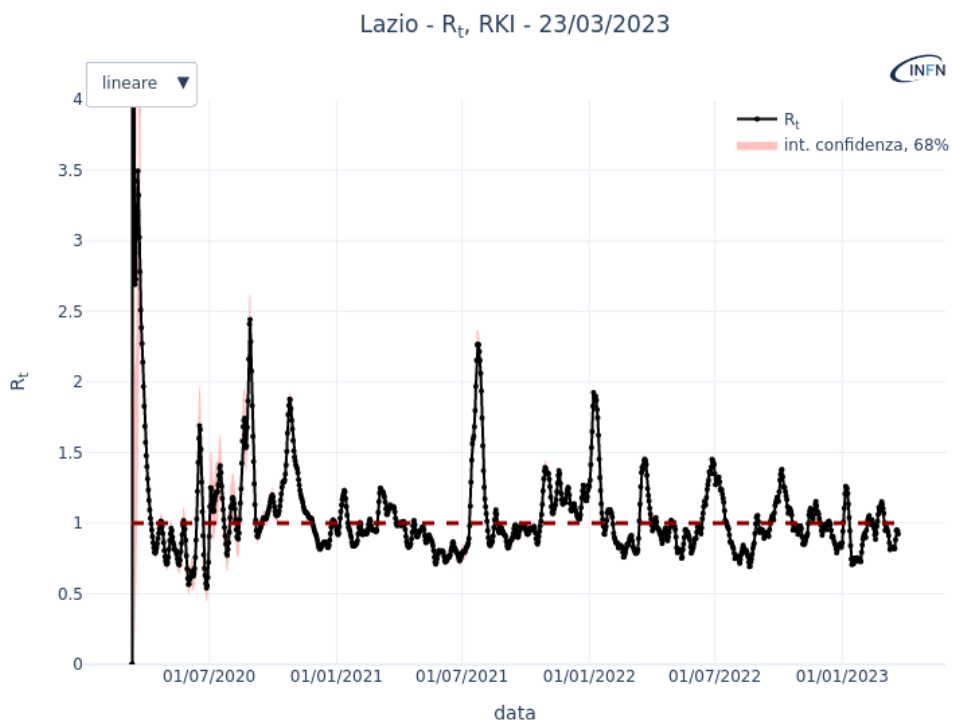


Fig. 323

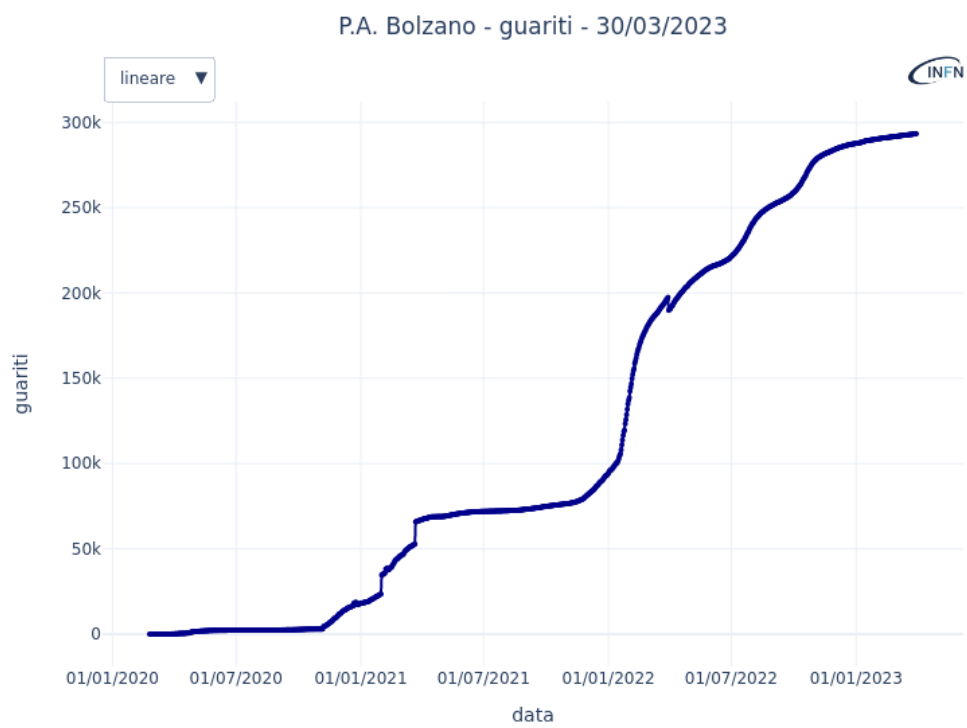


Fig. 324

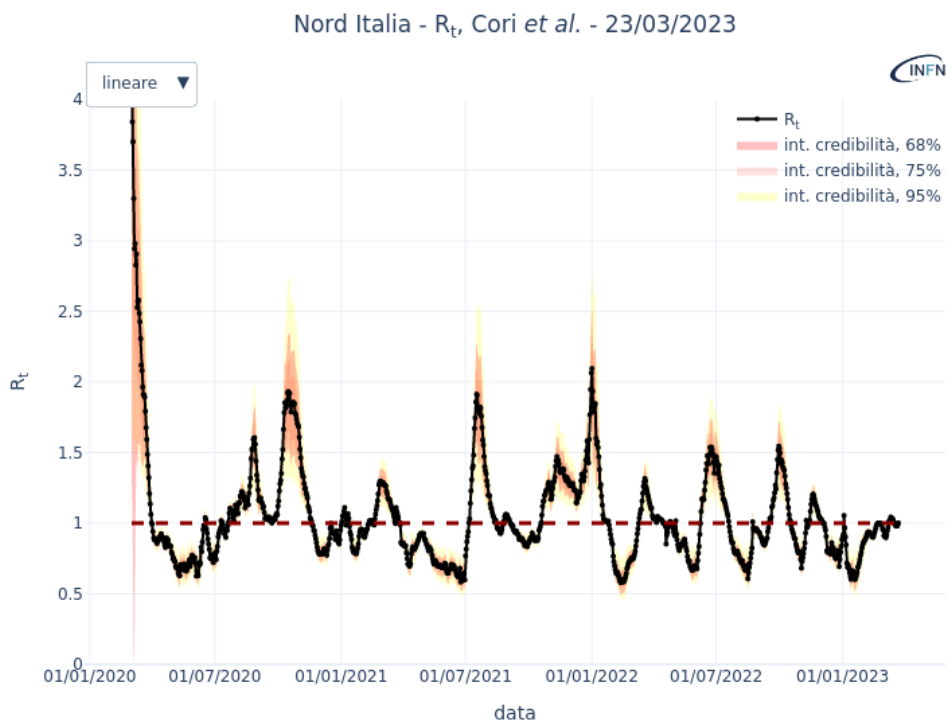


Fig. 325

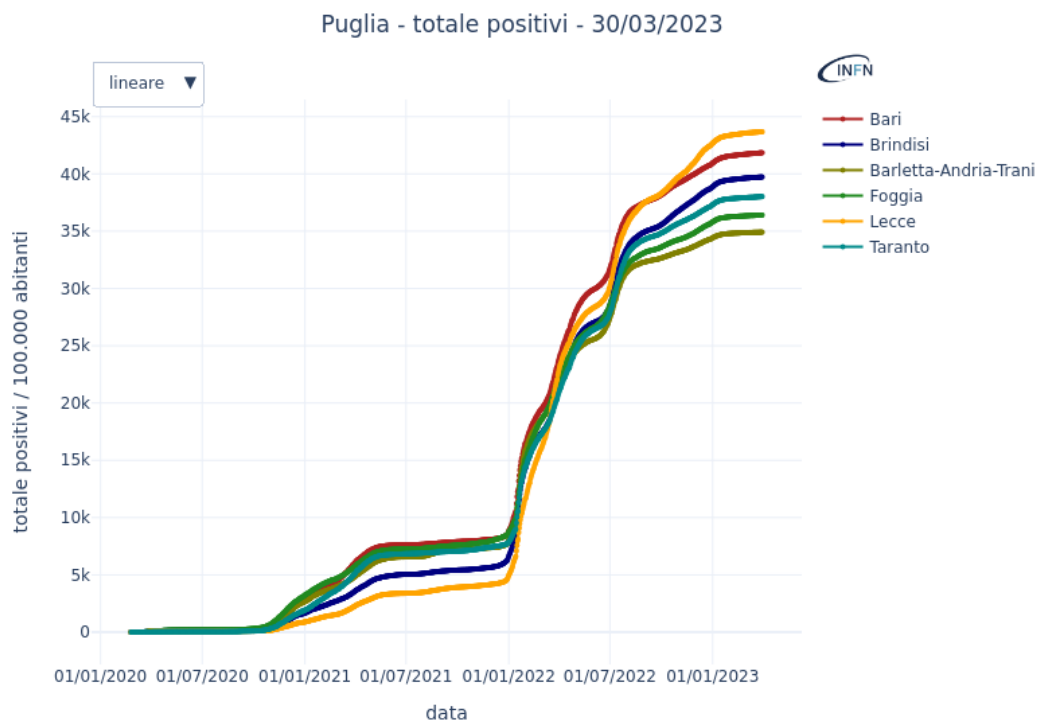


Fig. 326

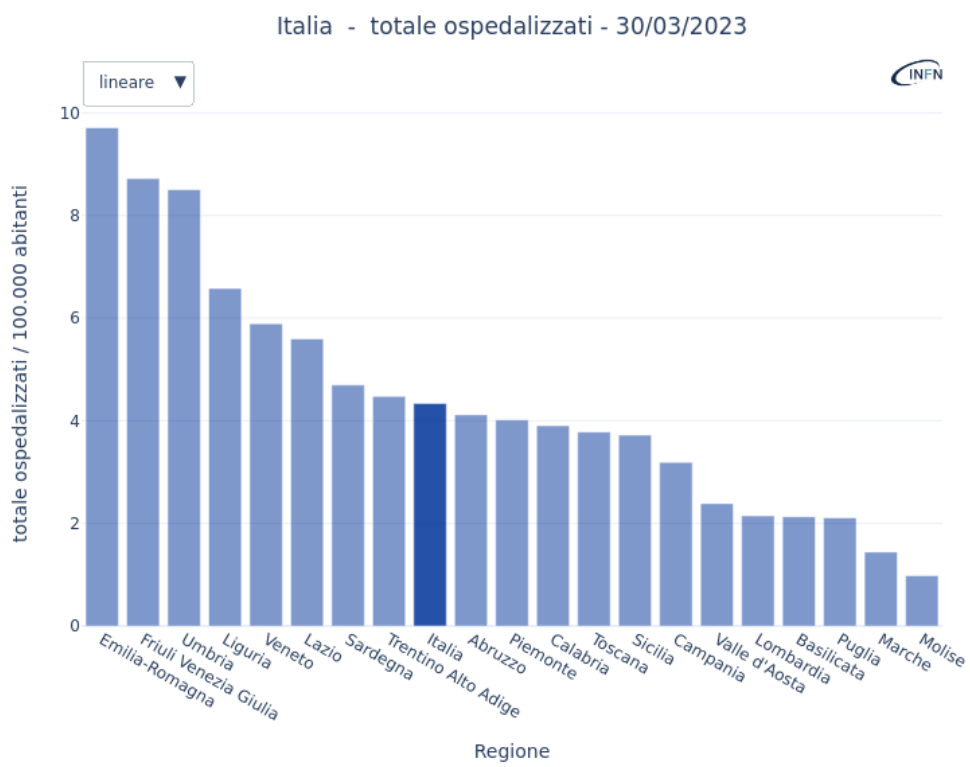


Fig. 327

Umbria - tasso di crescita totale ospedalizzati - 30/03/2023

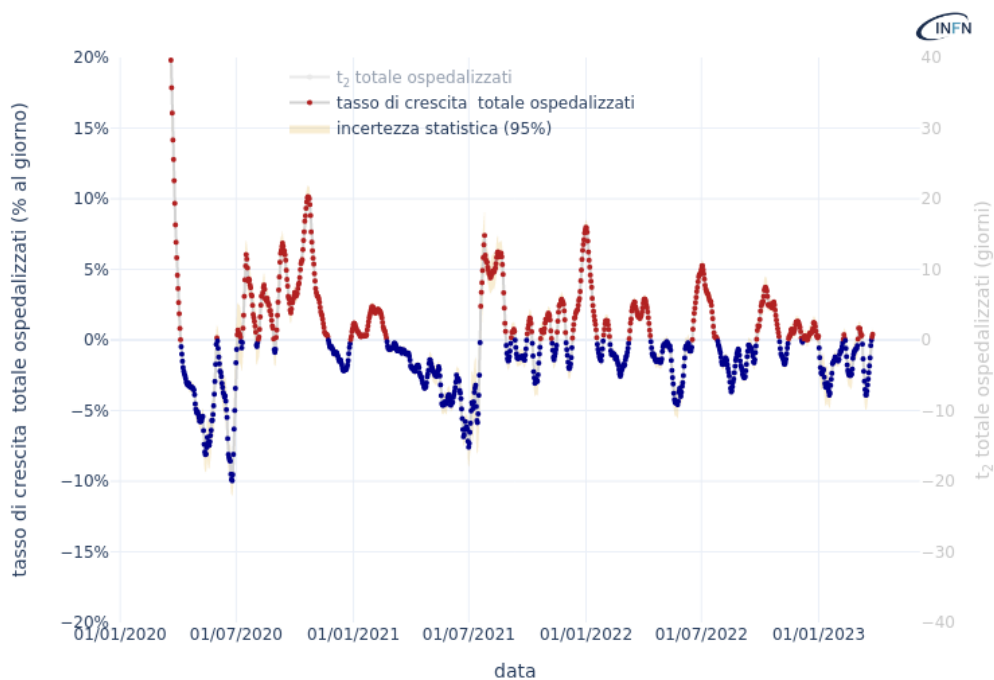


Fig. 328



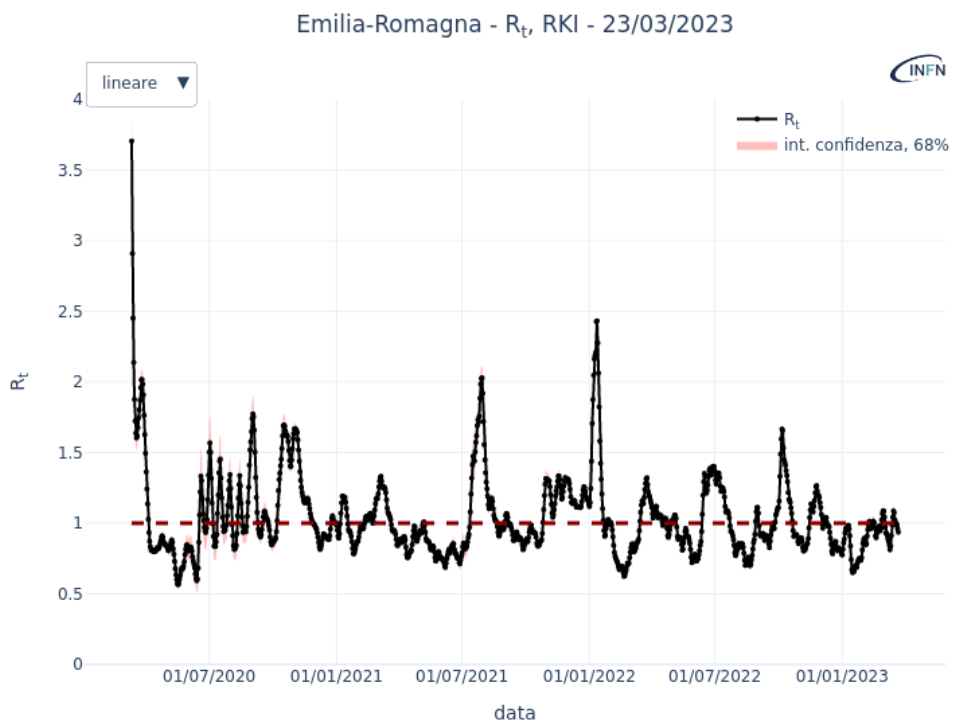


Fig. 329

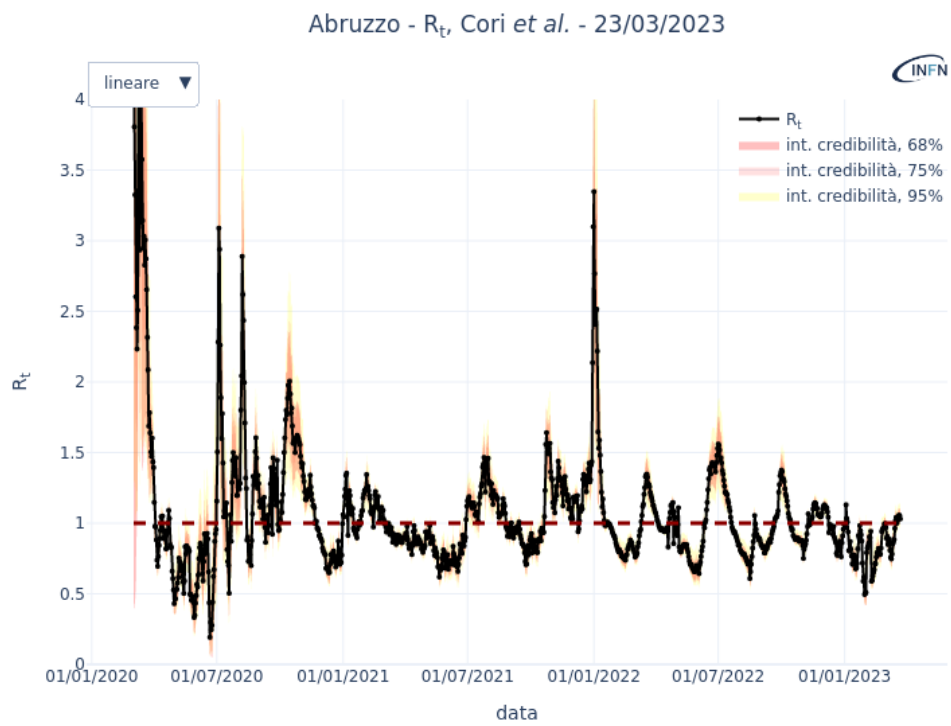


Fig. 330

Calabria - 04/02/2021 - rapporti

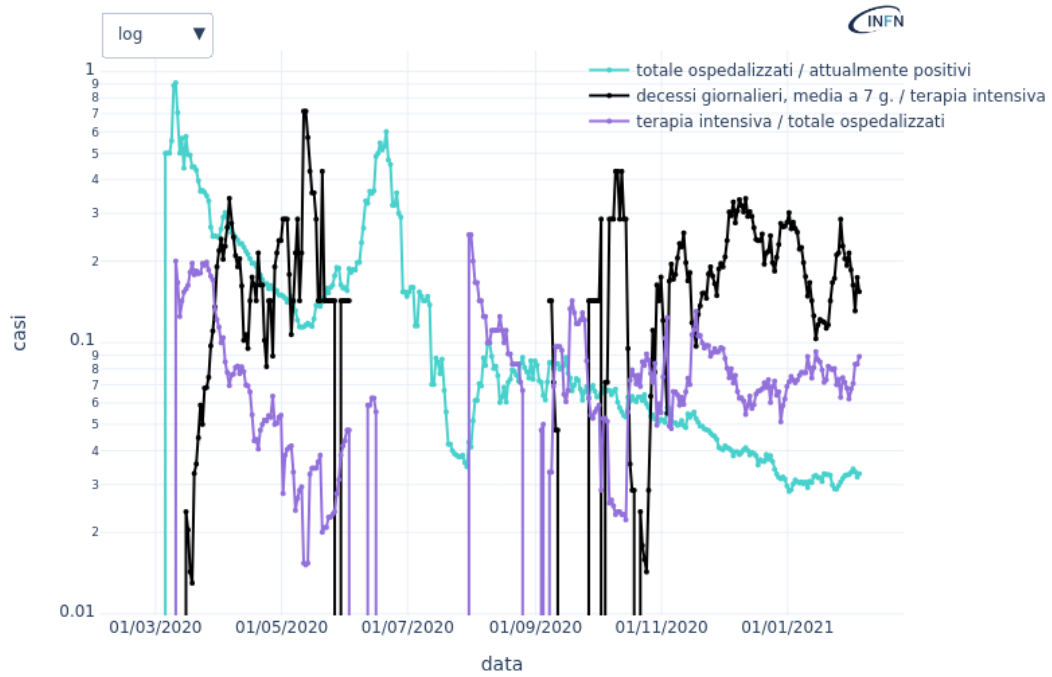


Fig. 331

Molise - tasso di crescita terapia intensiva - 30/03/2023

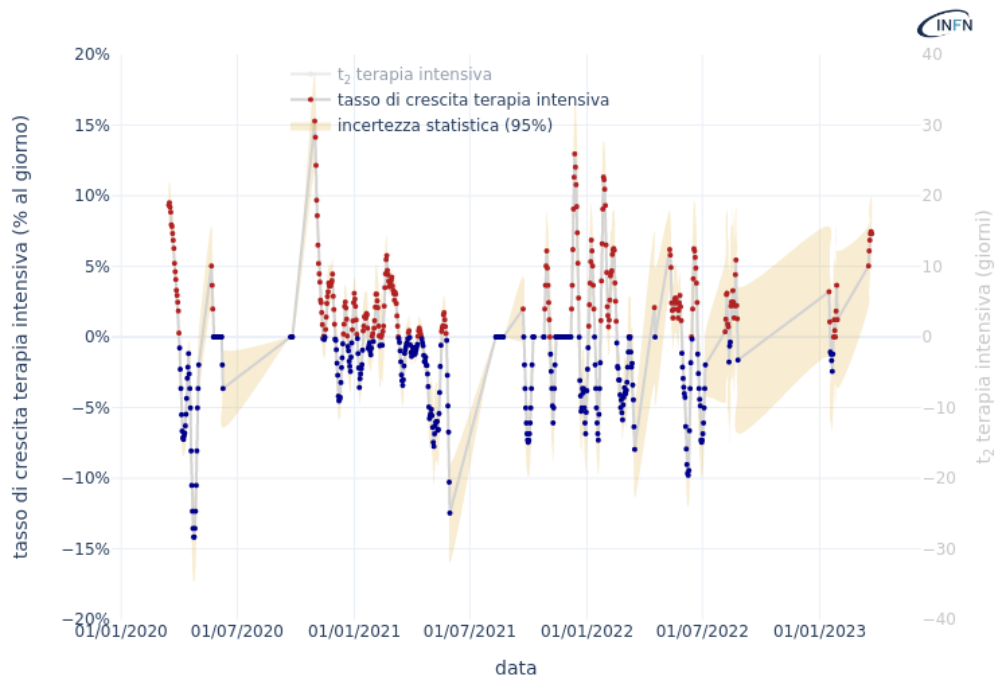


Fig. 332

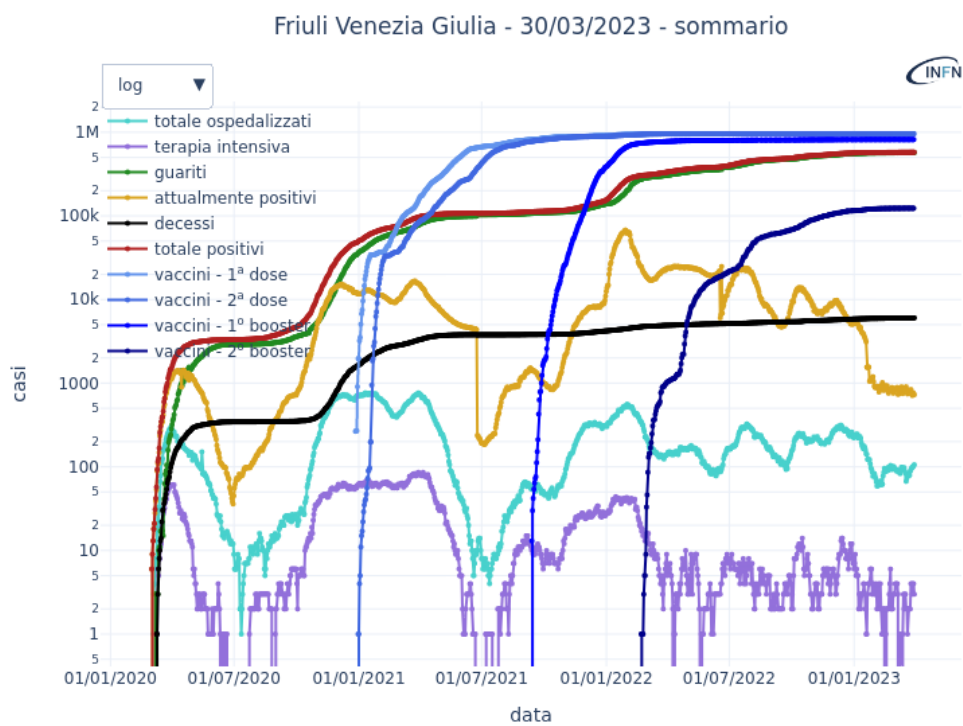


Fig. 333

Italia - tempo di raddoppio terapia intensiva - 30/03/2023

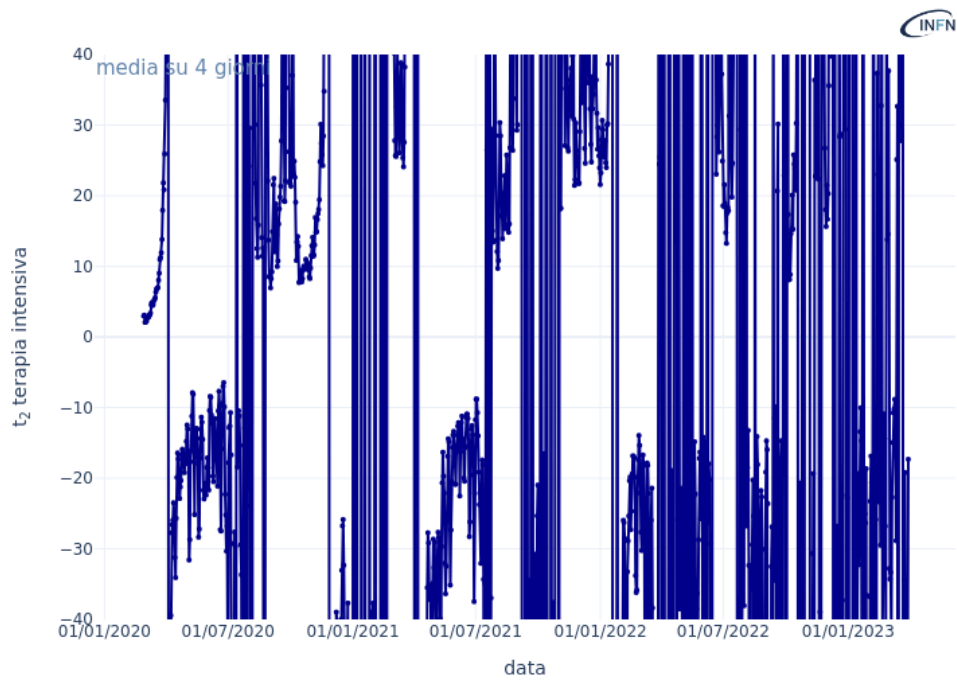


Fig. 334

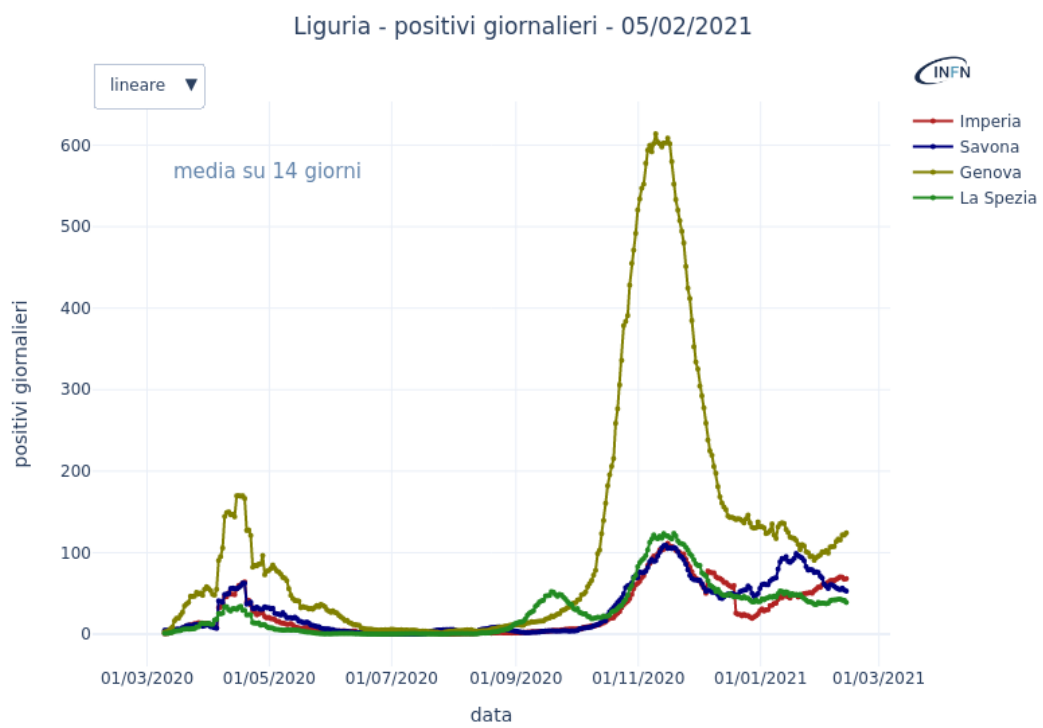


Fig. 335

Sicilia - decessi giornalieri - residui - 30/03/2023

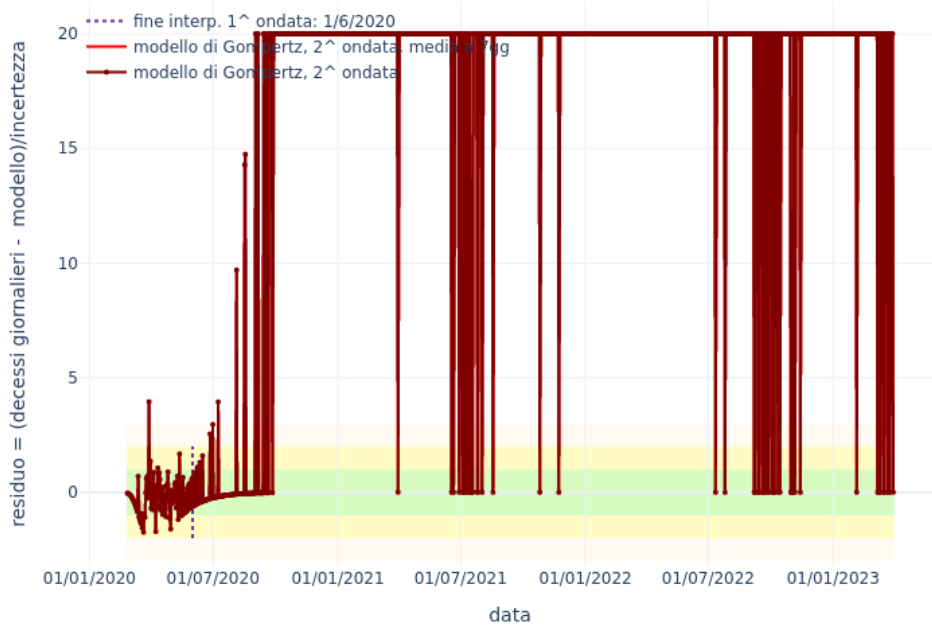


Fig. 336



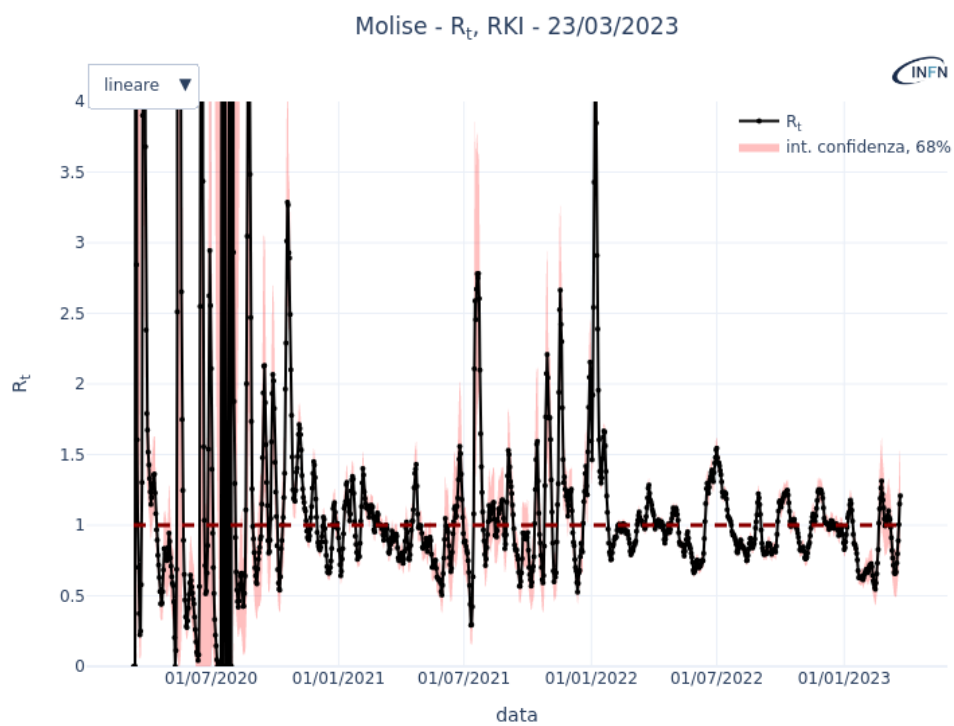


Fig. 337

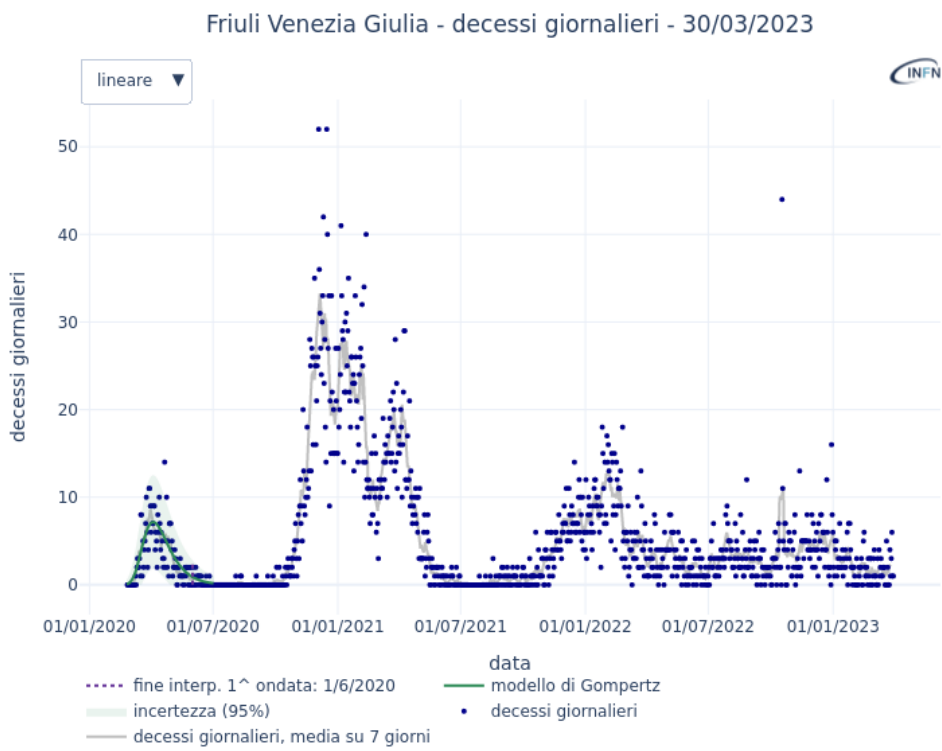


Fig. 338

Italia e Unione Europea - attualmente positivi - 30/03/2023

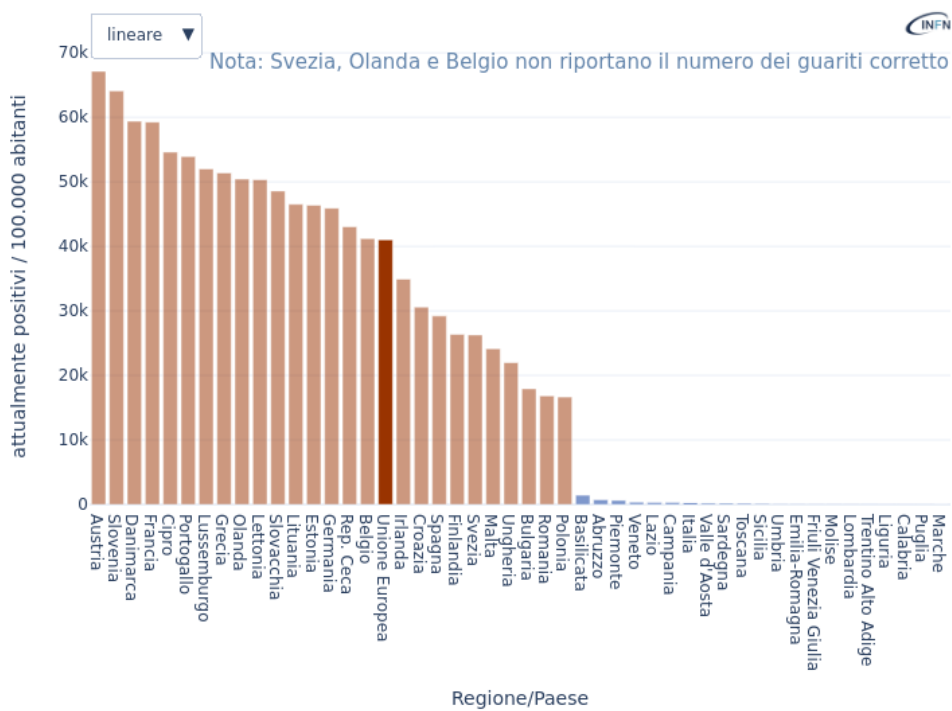


Fig. 339

Campania - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

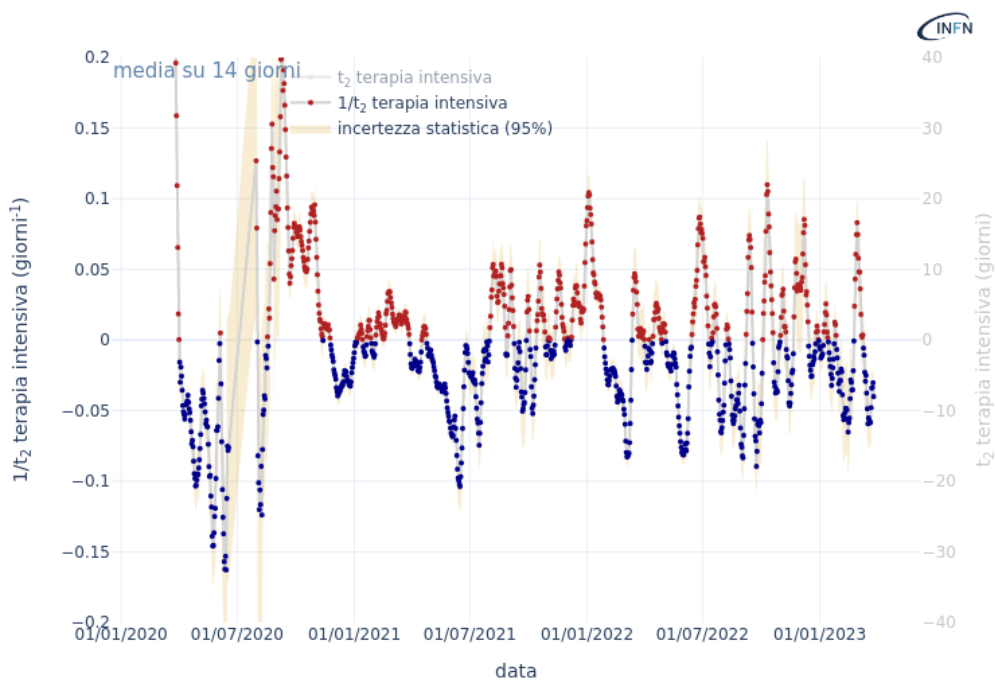


Fig. 340

Abruzzo - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

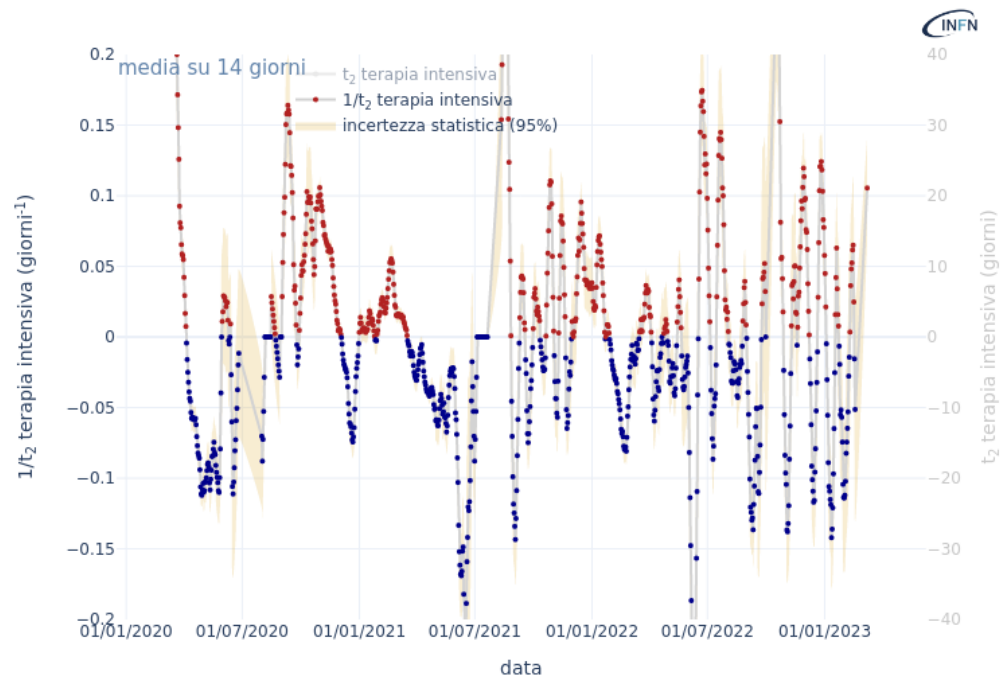


Fig. 341

Nord Italia - tempo di raddoppio totale ospedalizzati - 30/03/2023

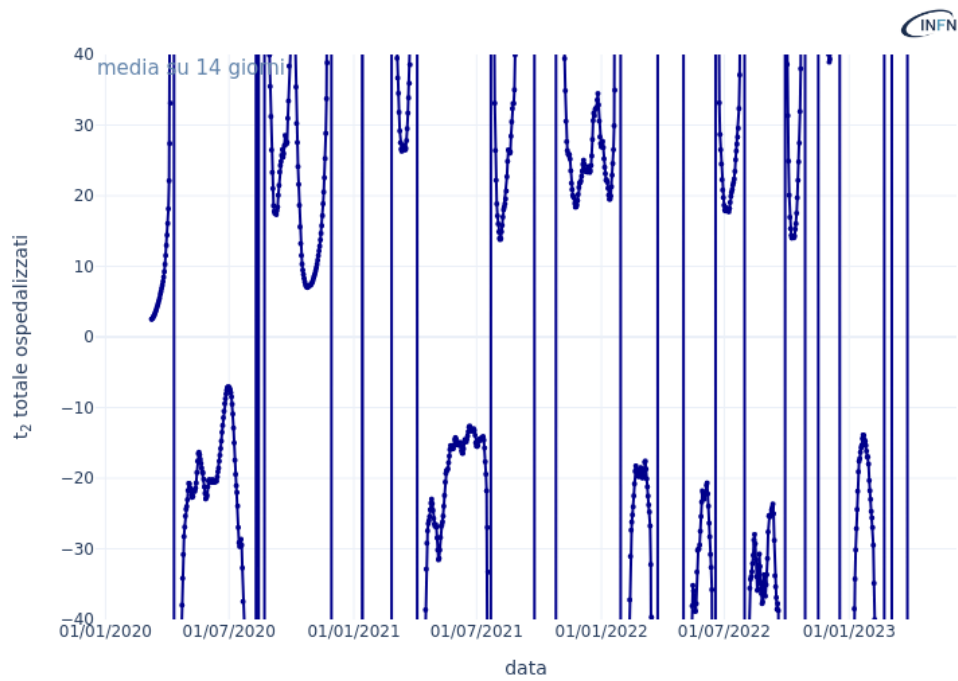


Fig. 342

Italia - tempo di raddoppio totale ospedalizzati - 30/03/2023

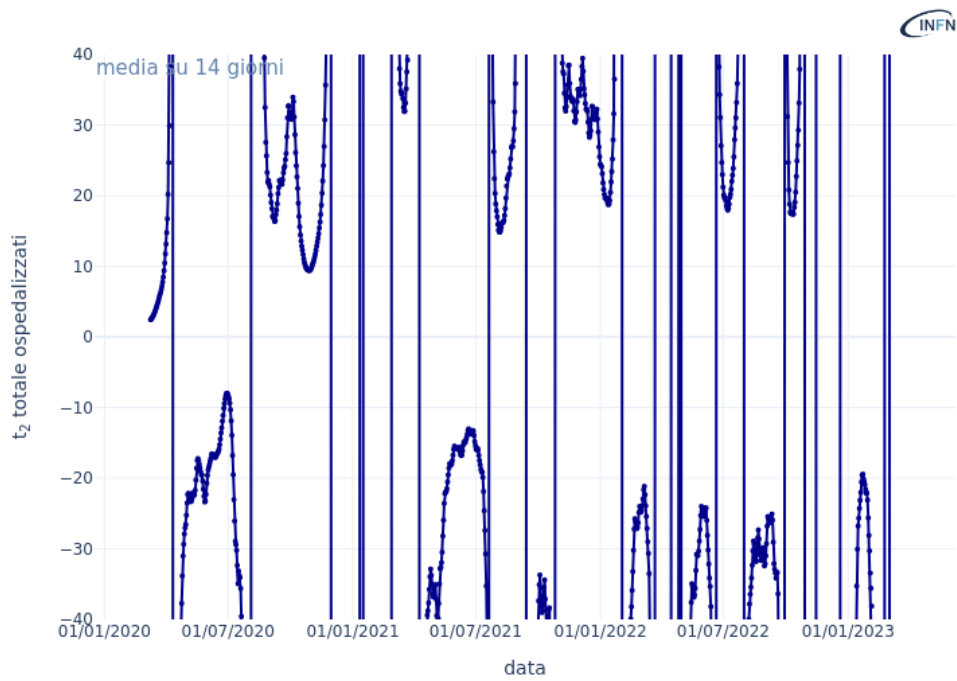


Fig. 343

Italia - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

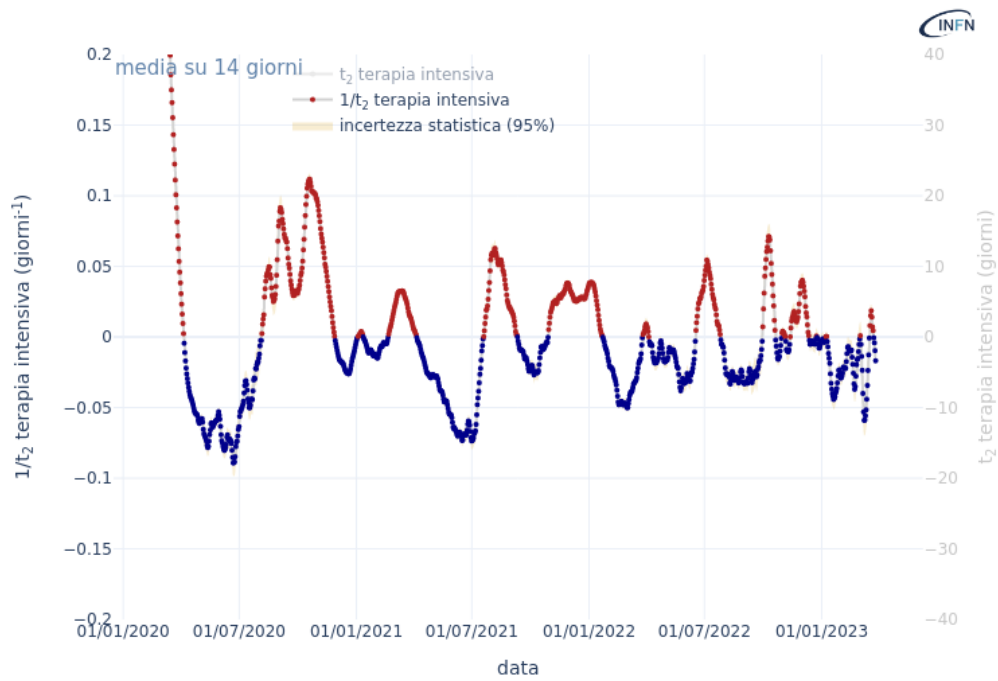


Fig. 344



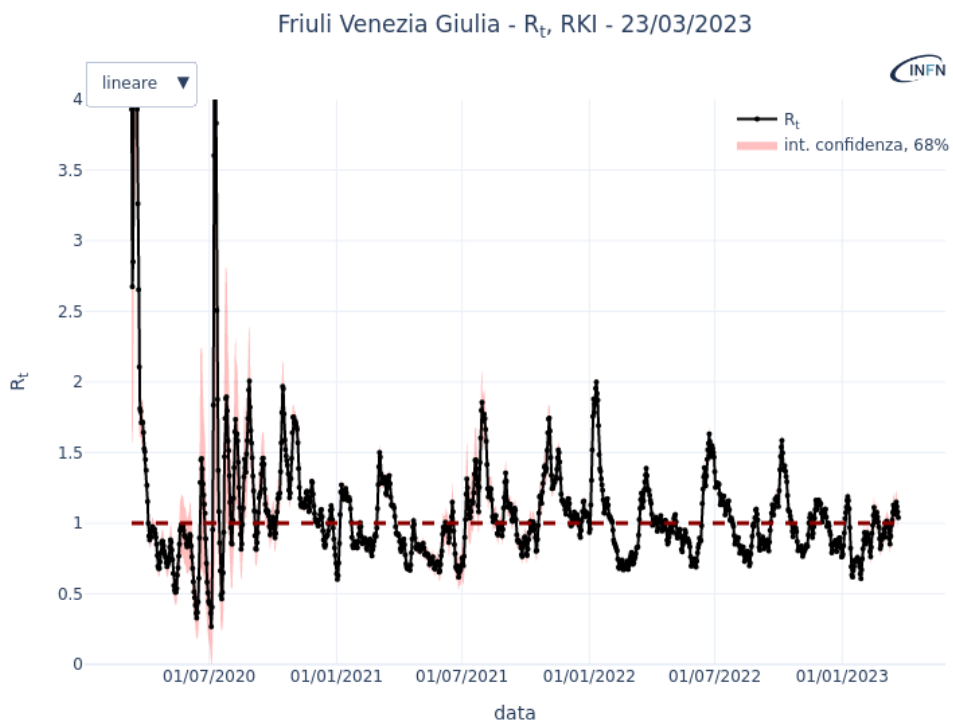


Fig. 345

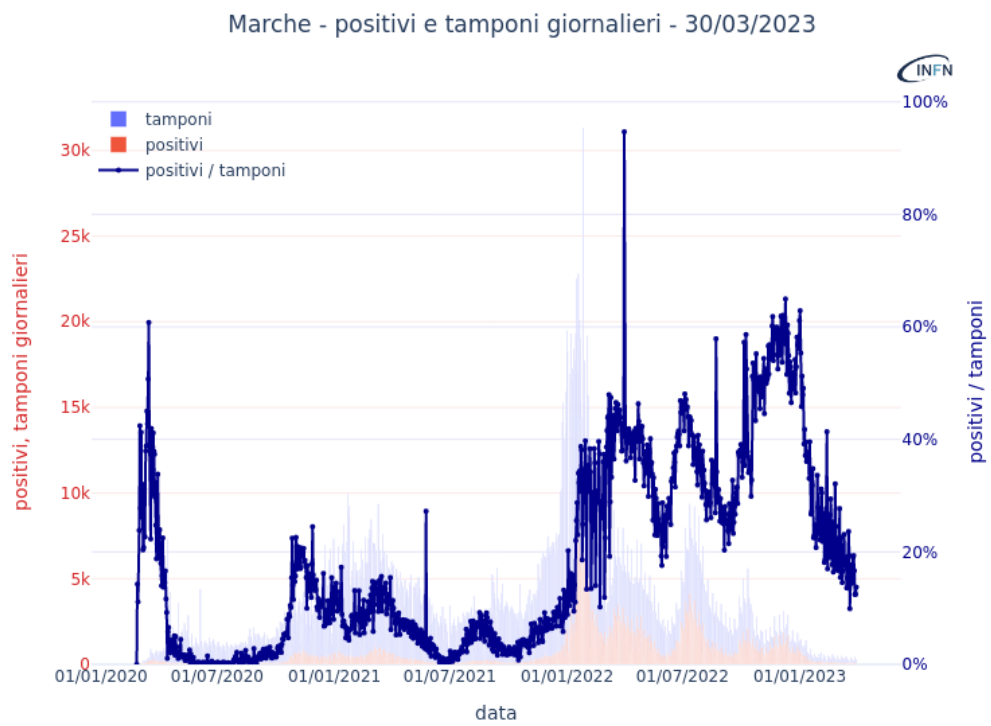


Fig. 346

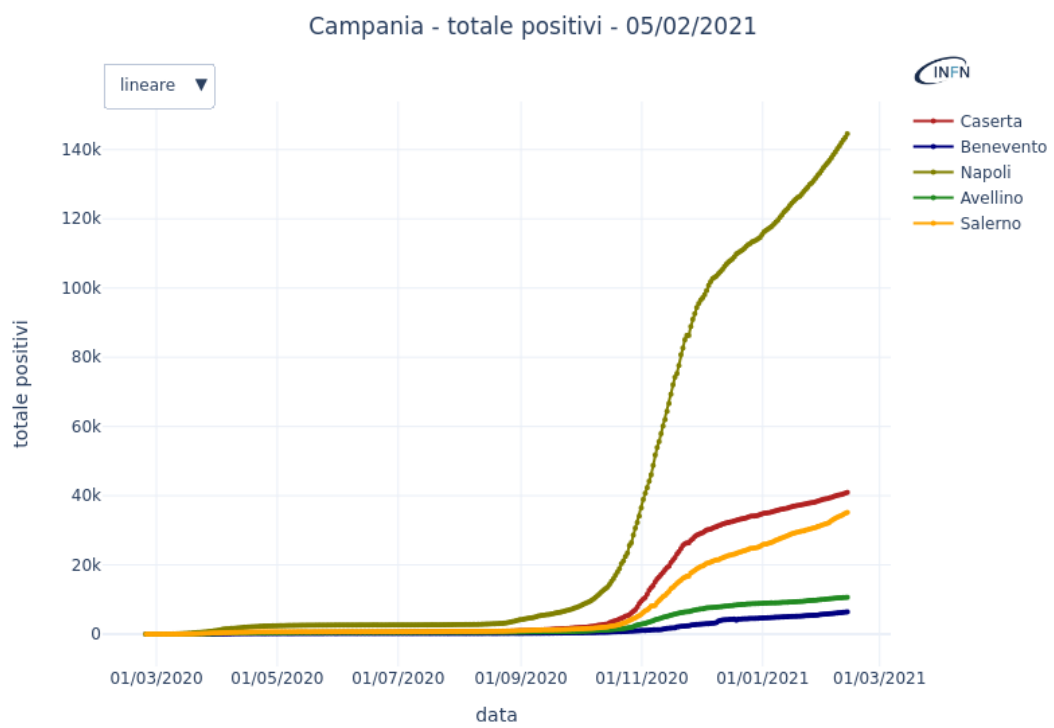


Fig. 347

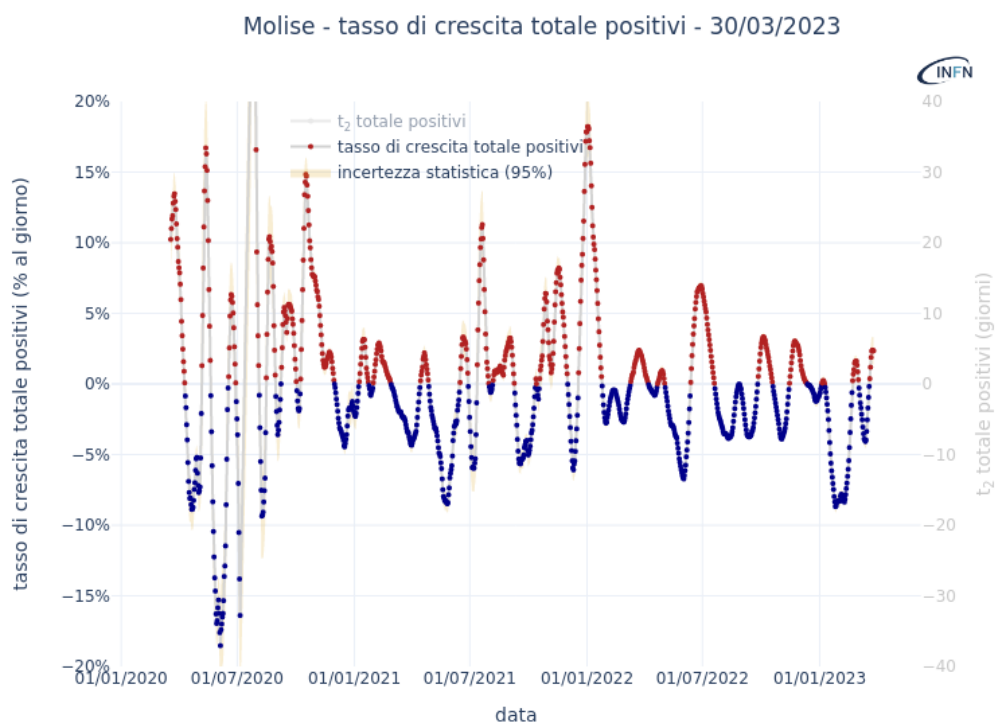


Fig. 348



Fig. 349

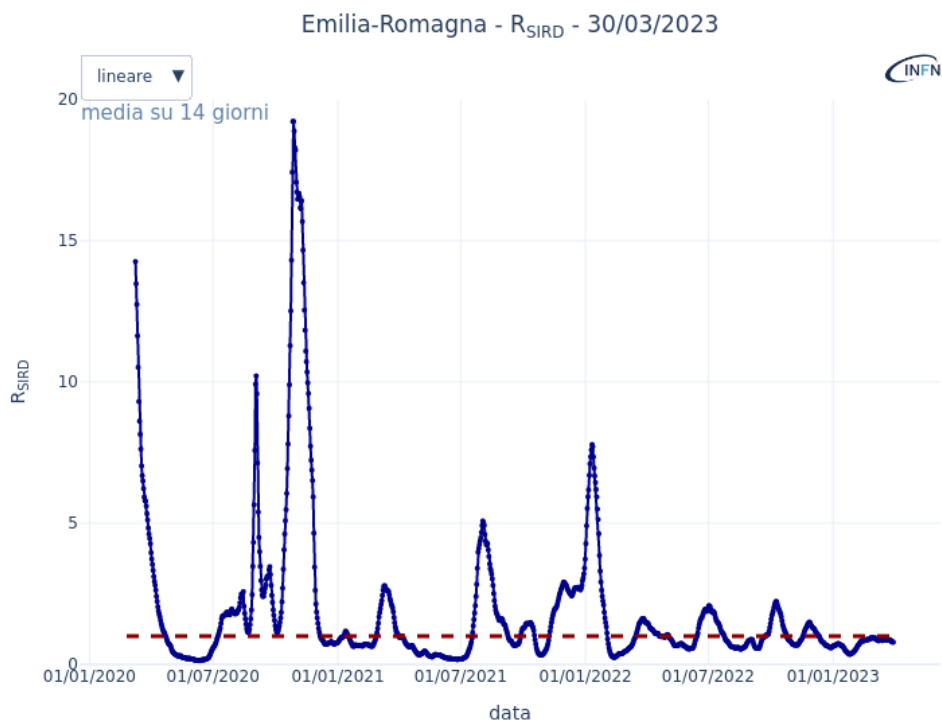


Fig. 350

Piemonte - positivi giornalieri - residui - 30/03/2023

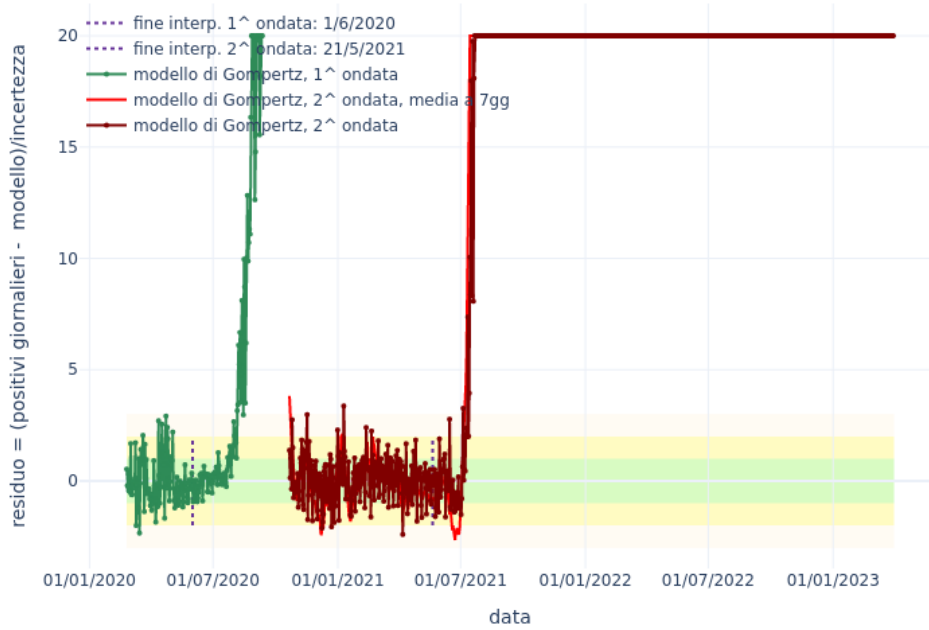


Fig. 351

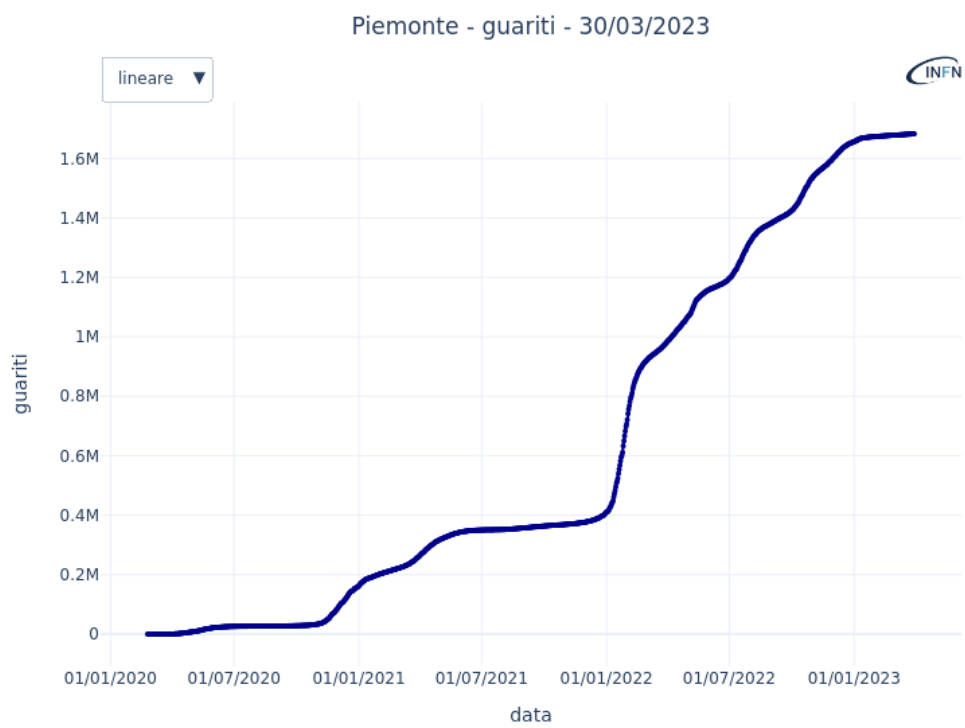


Fig. 352



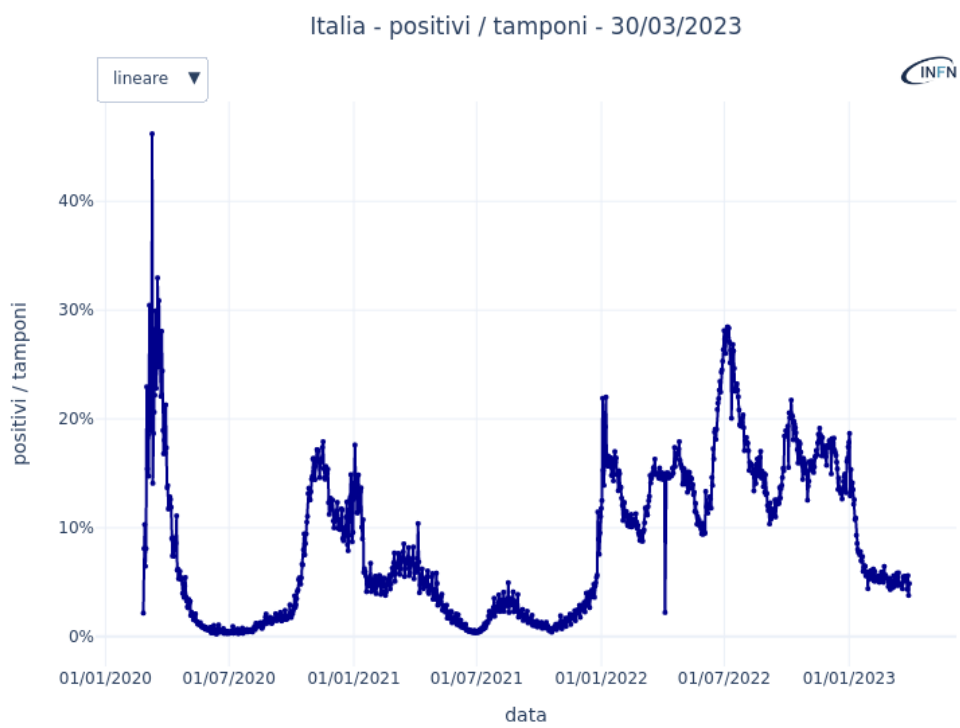


Fig. 353

si somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Emilia-Romagn

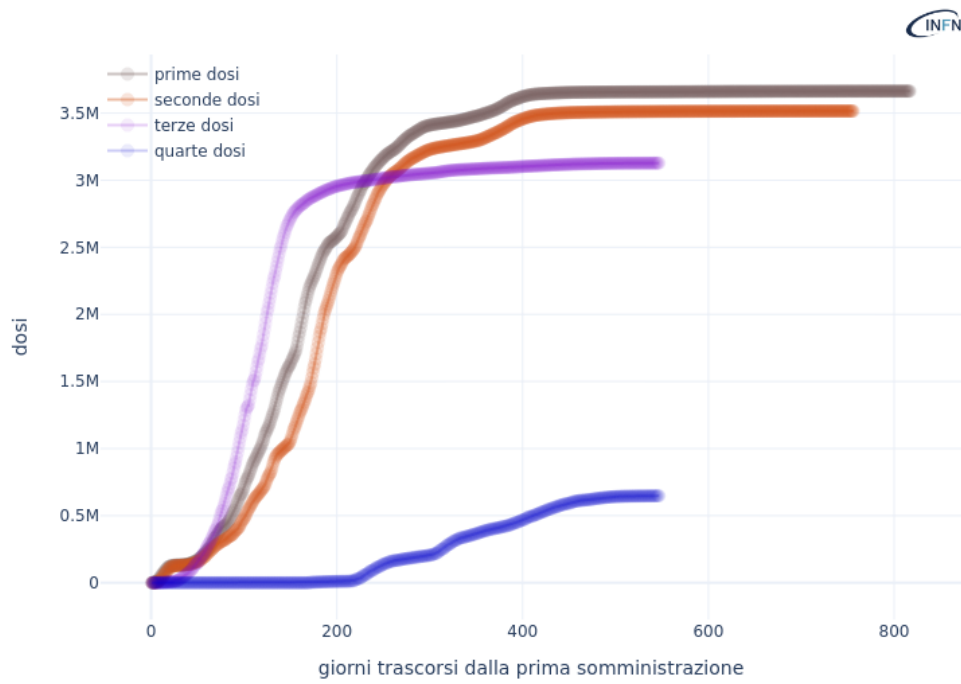


Fig. 354

Abruzzo - tasso di crescita decessi - 30/03/2023

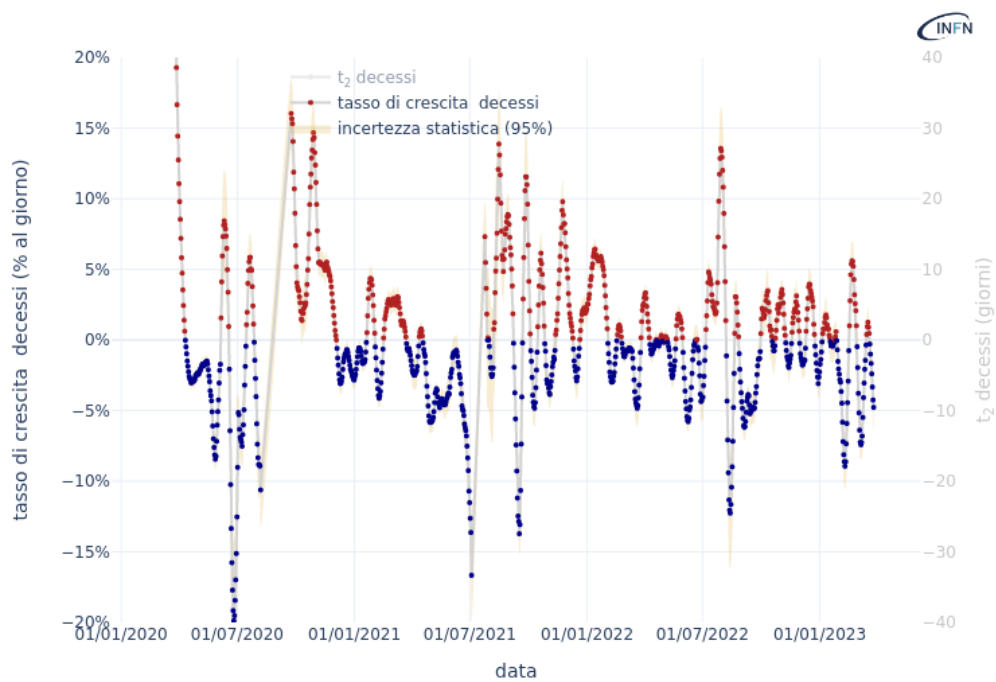


Fig. 355

Dosi somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Campania

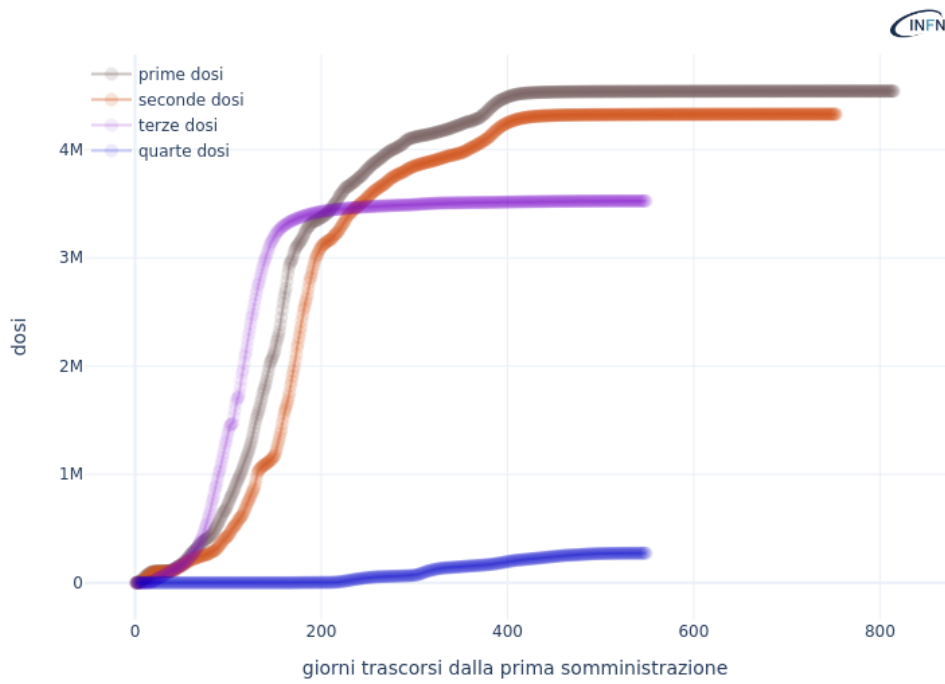


Fig. 356



Fig. 357

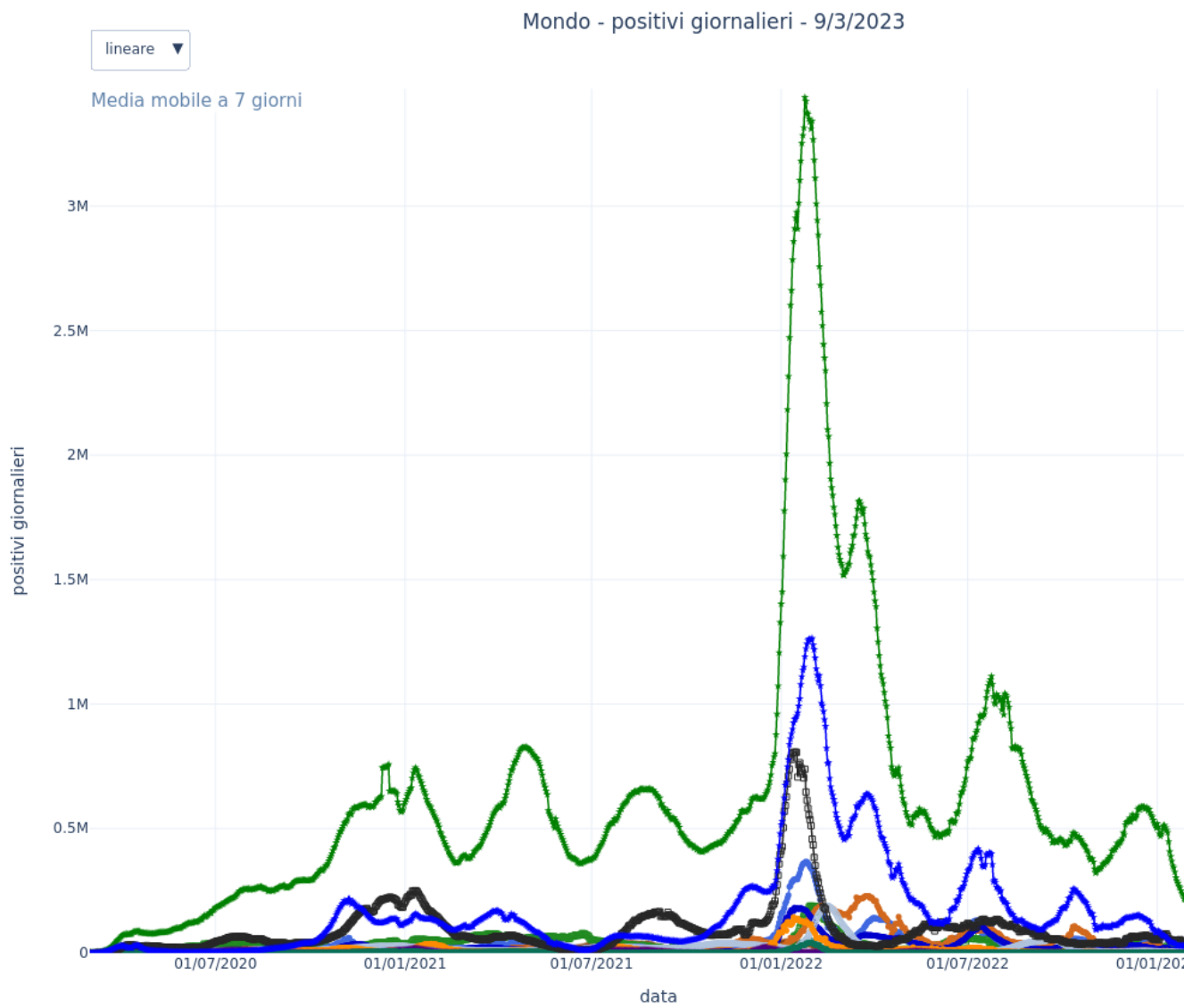


Fig. 358

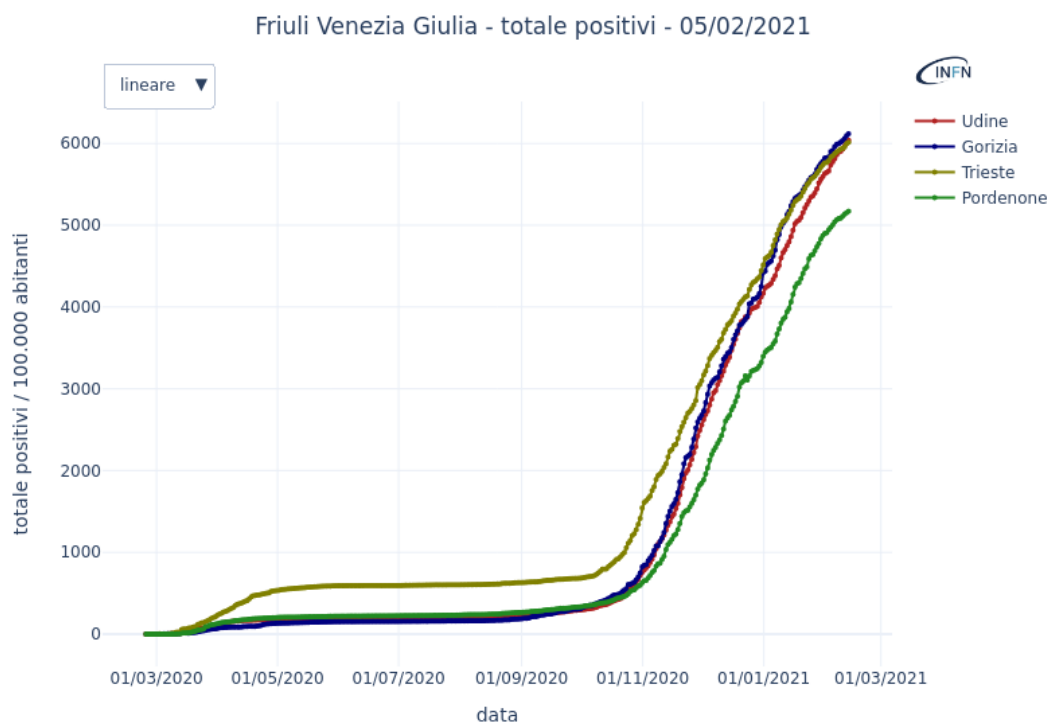


Fig. 359

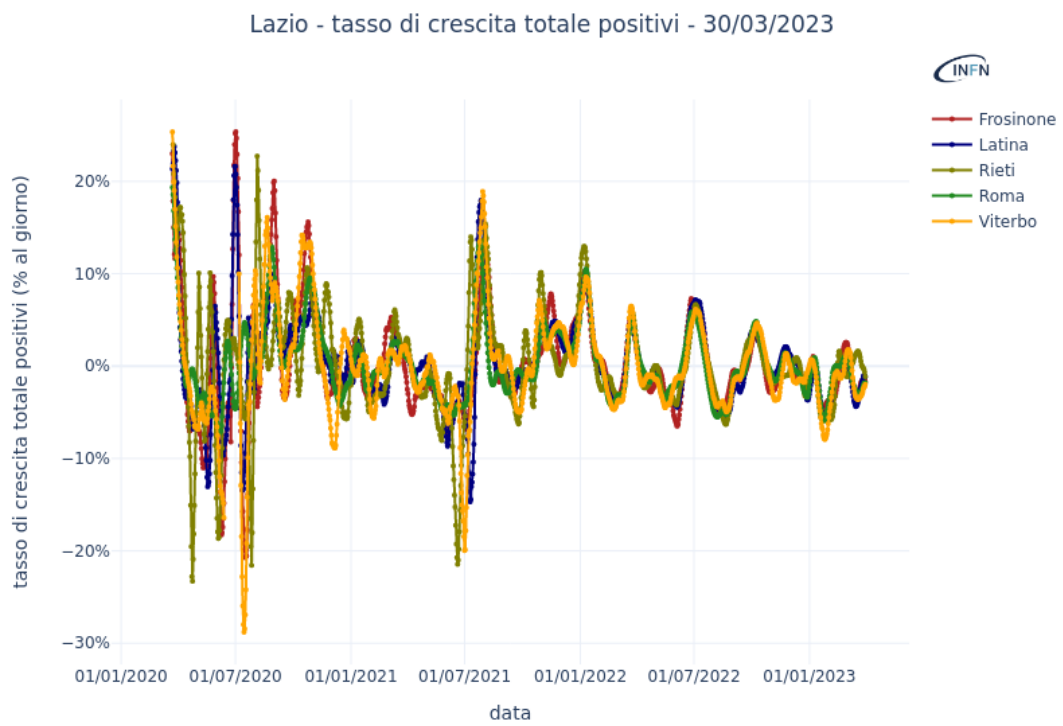


Fig. 360



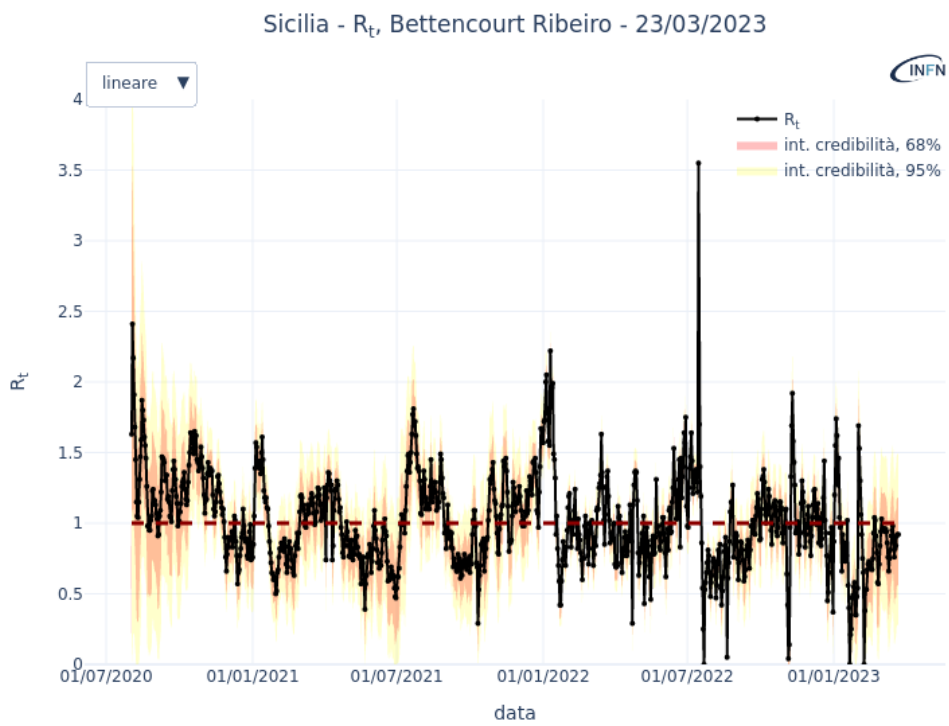


Fig. 361



Fig. 362

Emilia-Romagna - tasso di crescita totale positivi - 30/03/2023

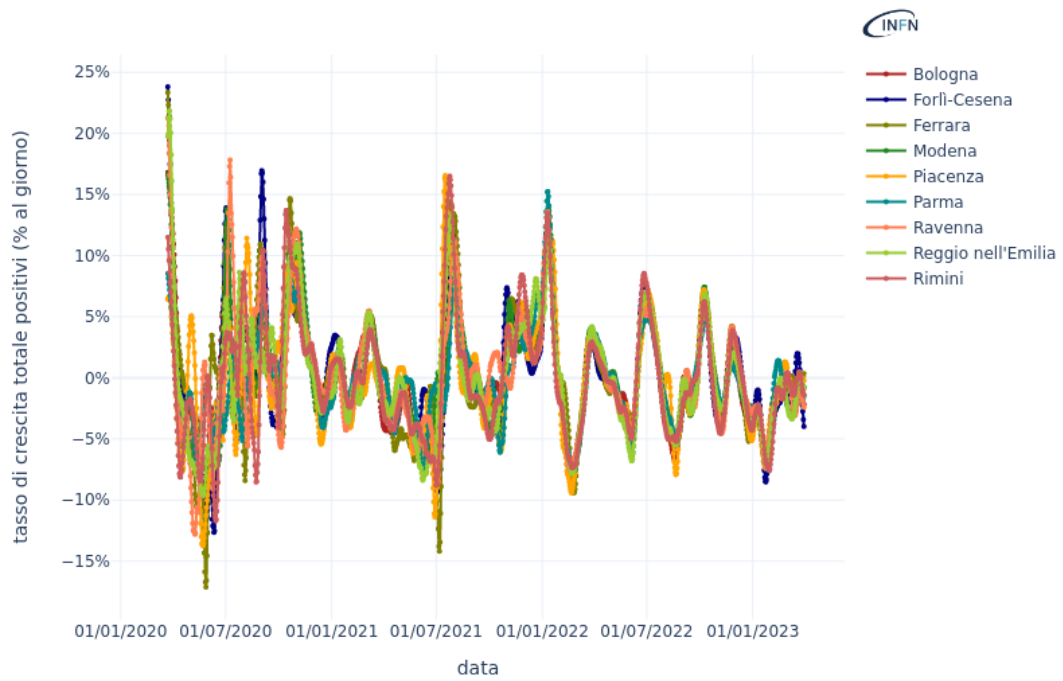


Fig. 363

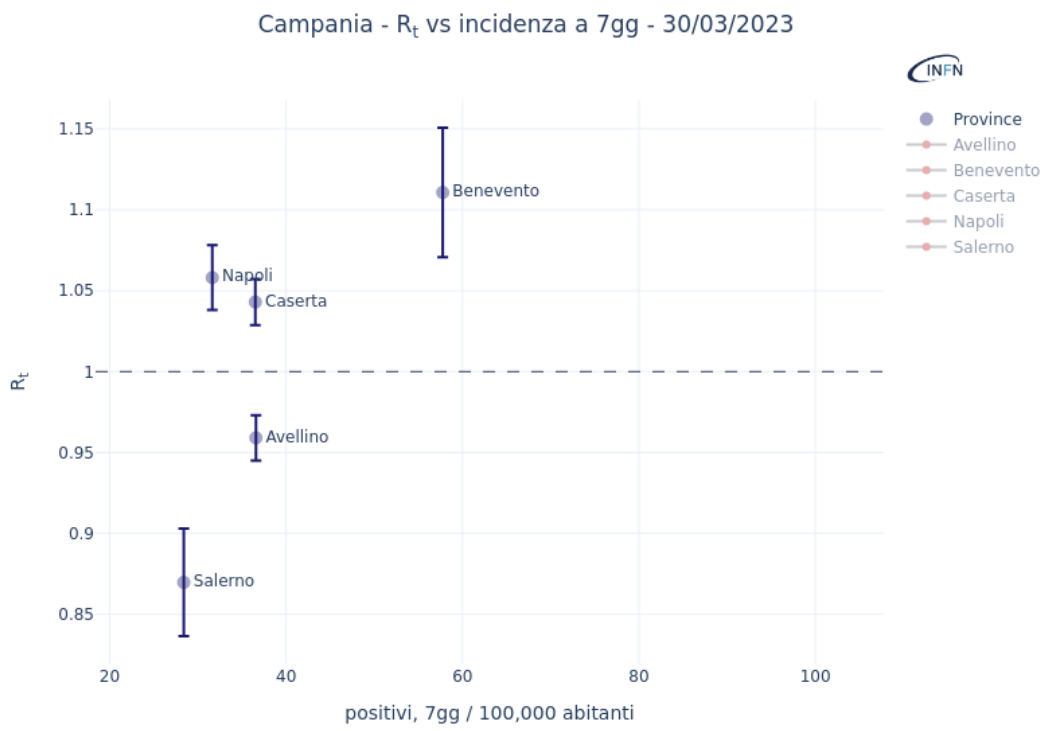


Fig. 364

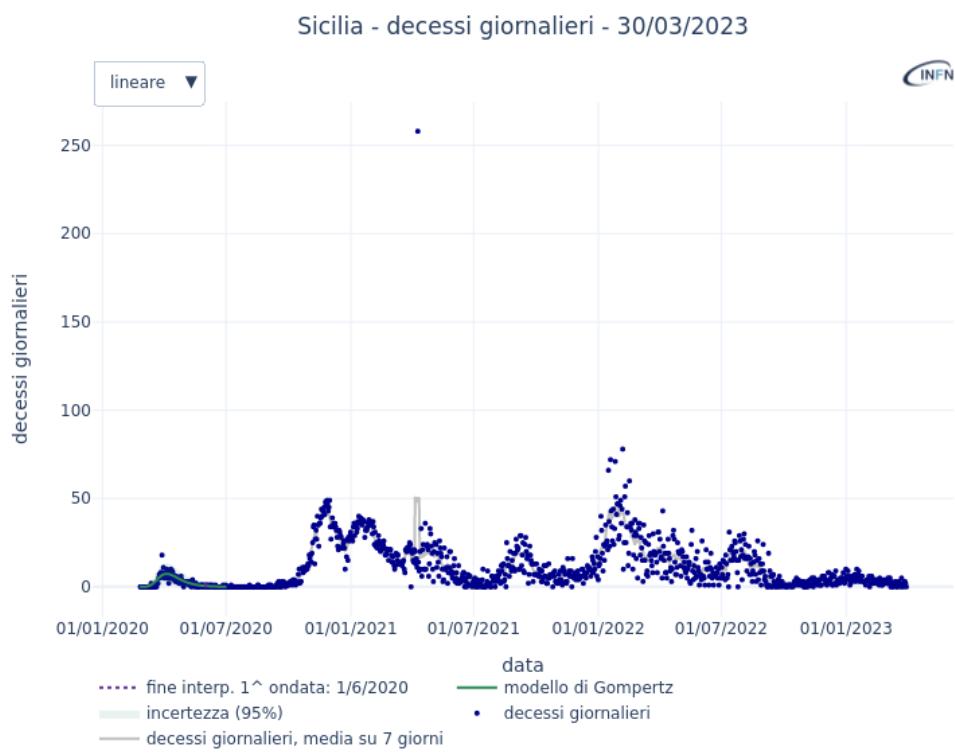


Fig. 365

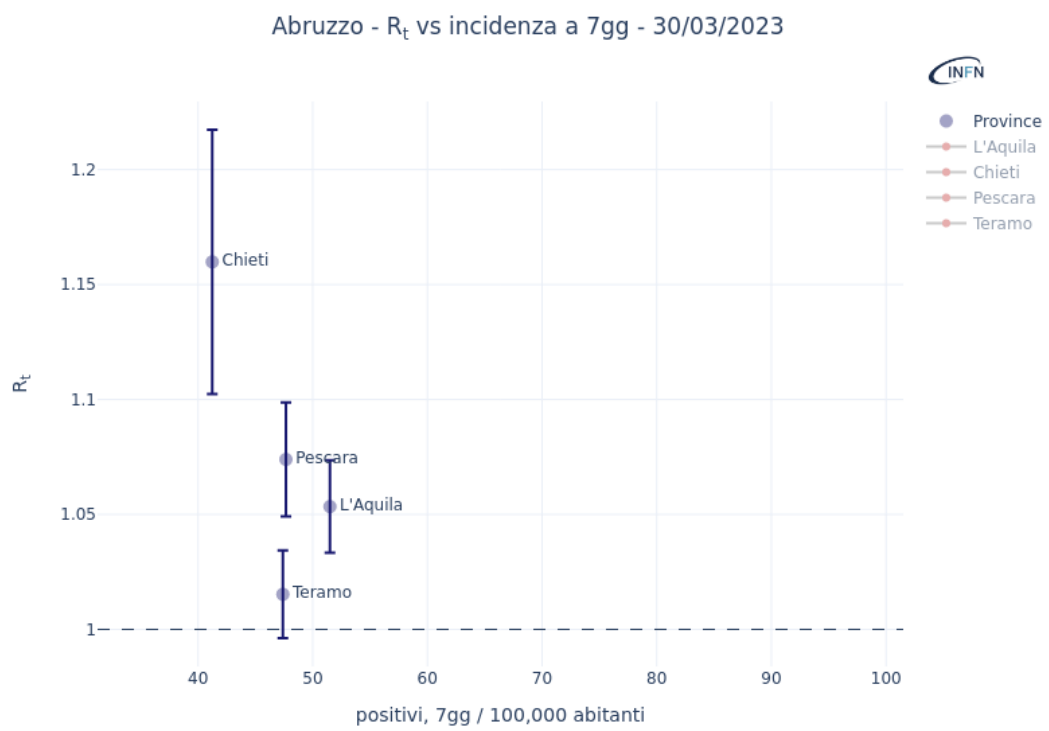


Fig. 366

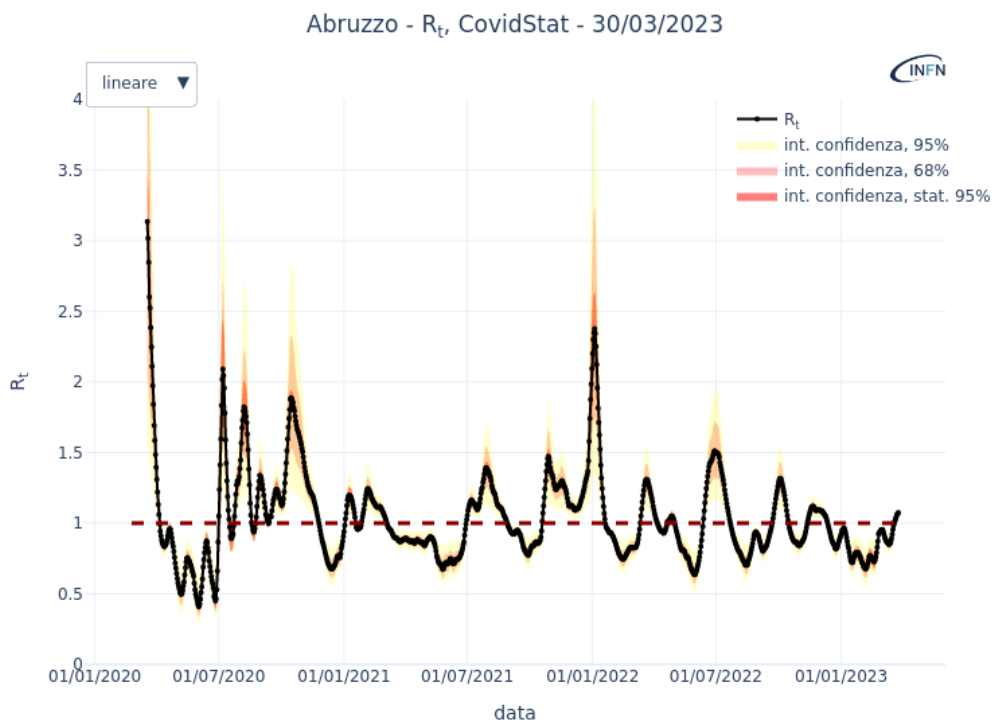


Fig. 367

Friuli Venezia Giulia - decessi giornalieri - residui - 30/03/2023

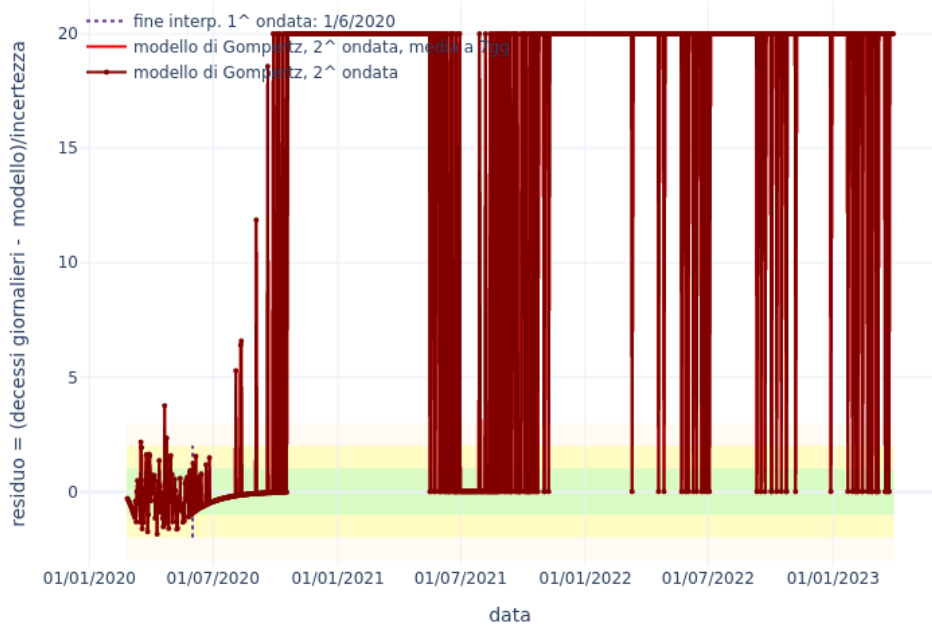


Fig. 368



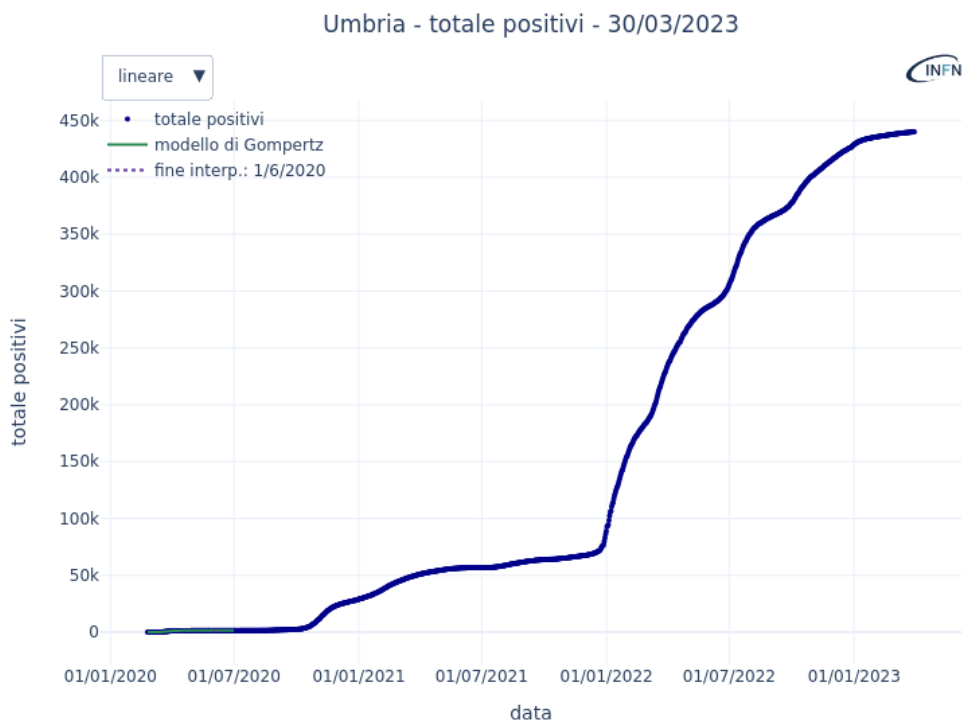


Fig. 369

Sardegna - tempo di raddoppio terapia intensiva - 30/03/2023

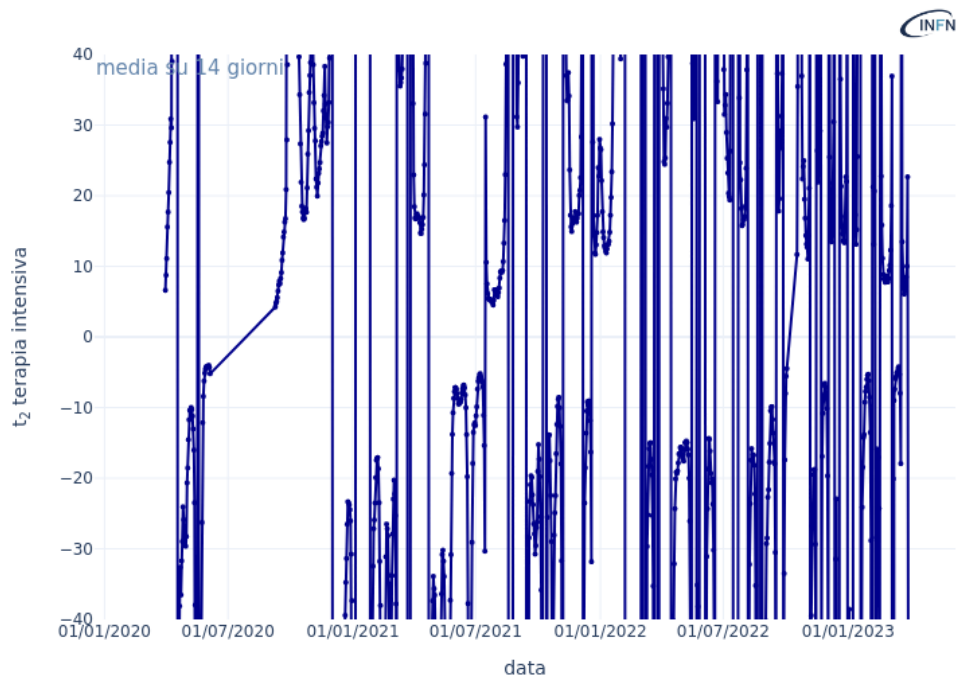


Fig. 370

Trentino Alto Adige - tempo di raddoppio (inverso) decessi - 30/03/2023

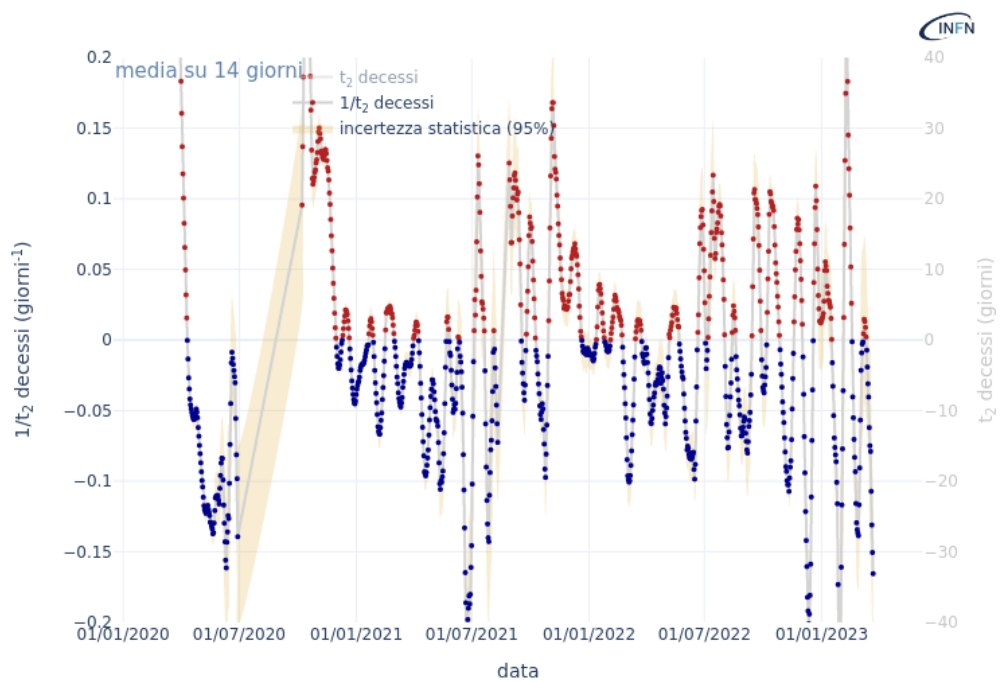


Fig. 371

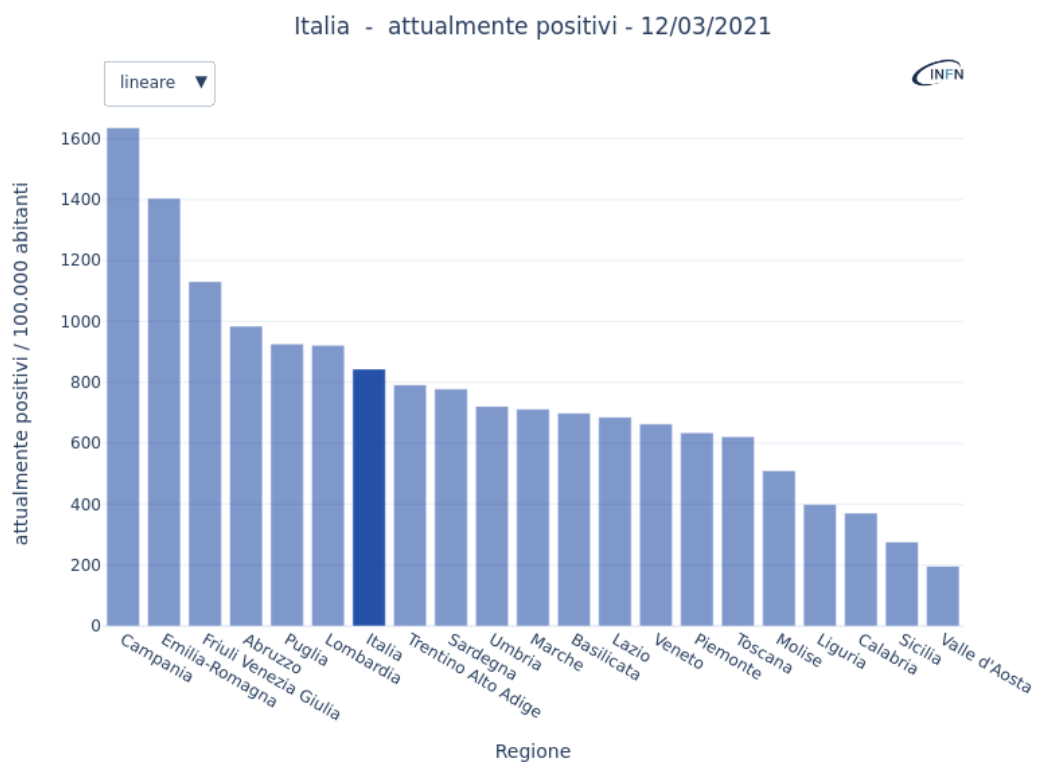


Fig. 372

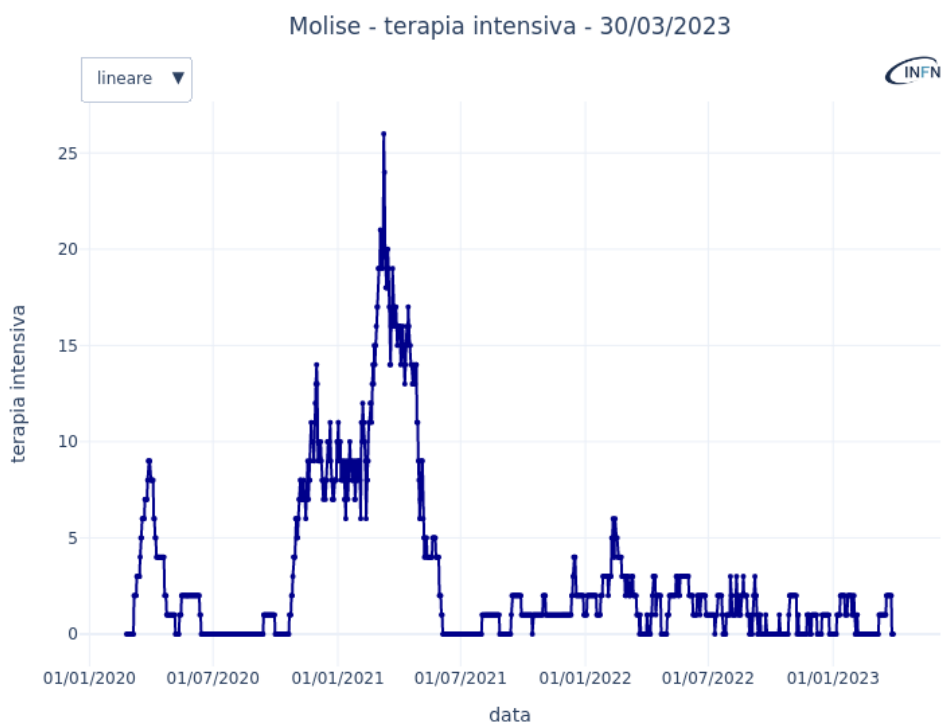


Fig. 373

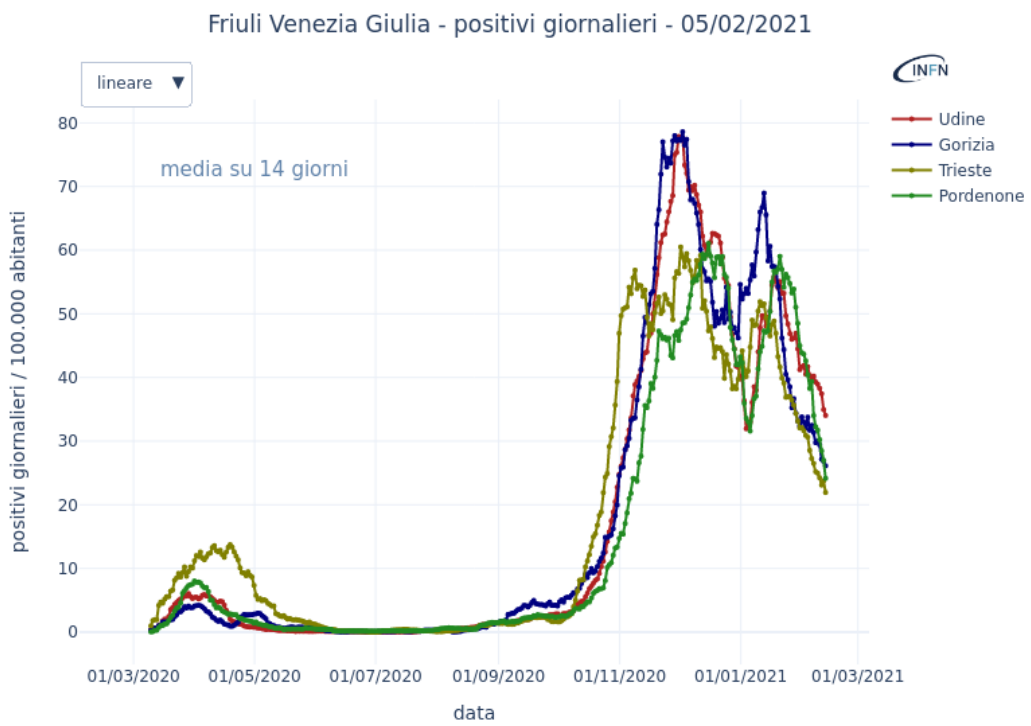


Fig. 374



Fig. 375

Marche - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

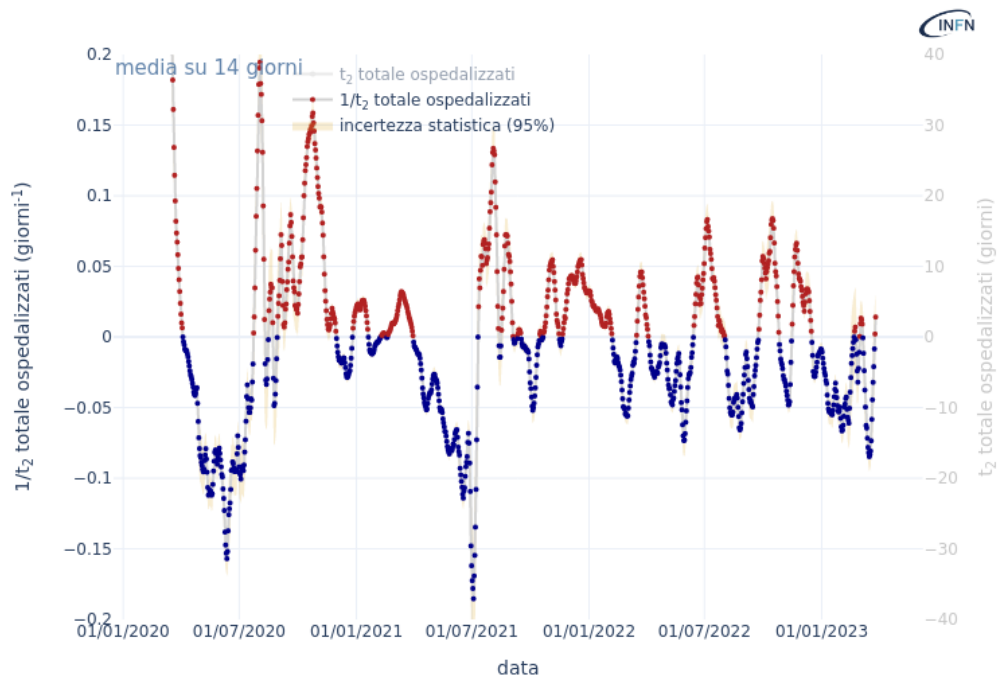


Fig. 376



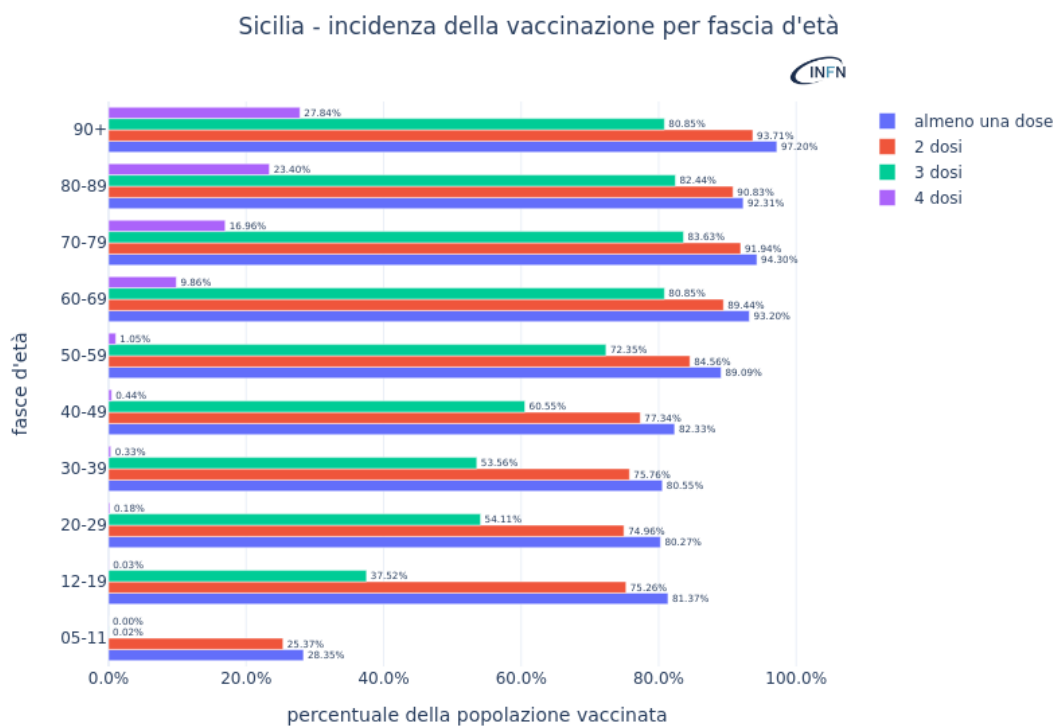


Fig. 377

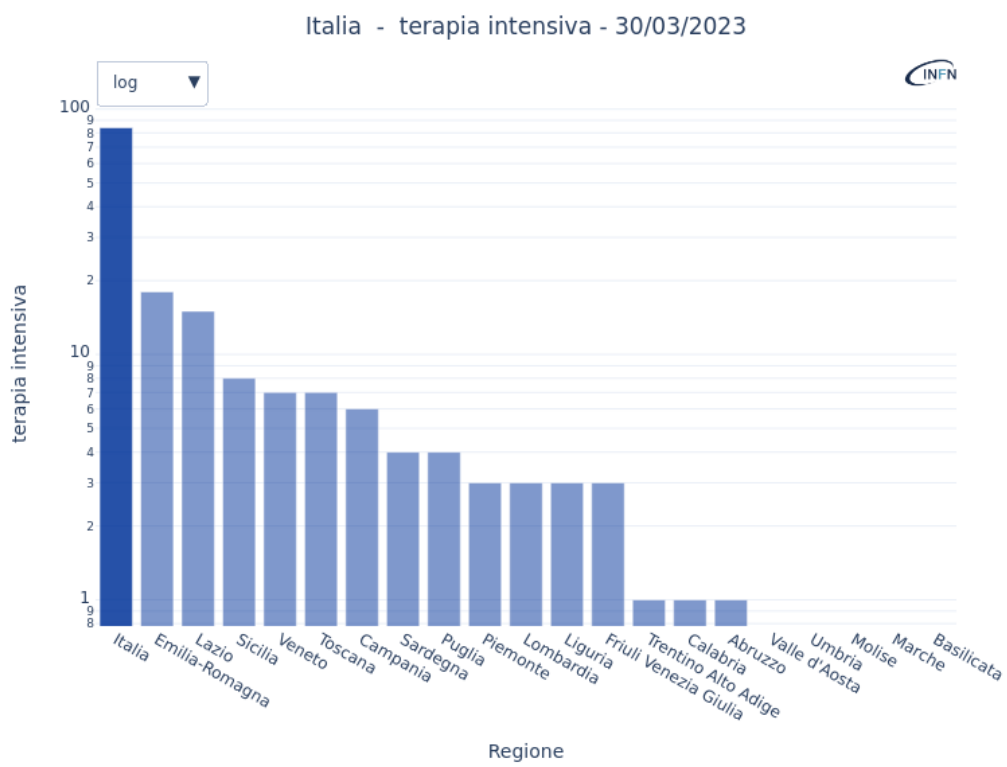


Fig. 378

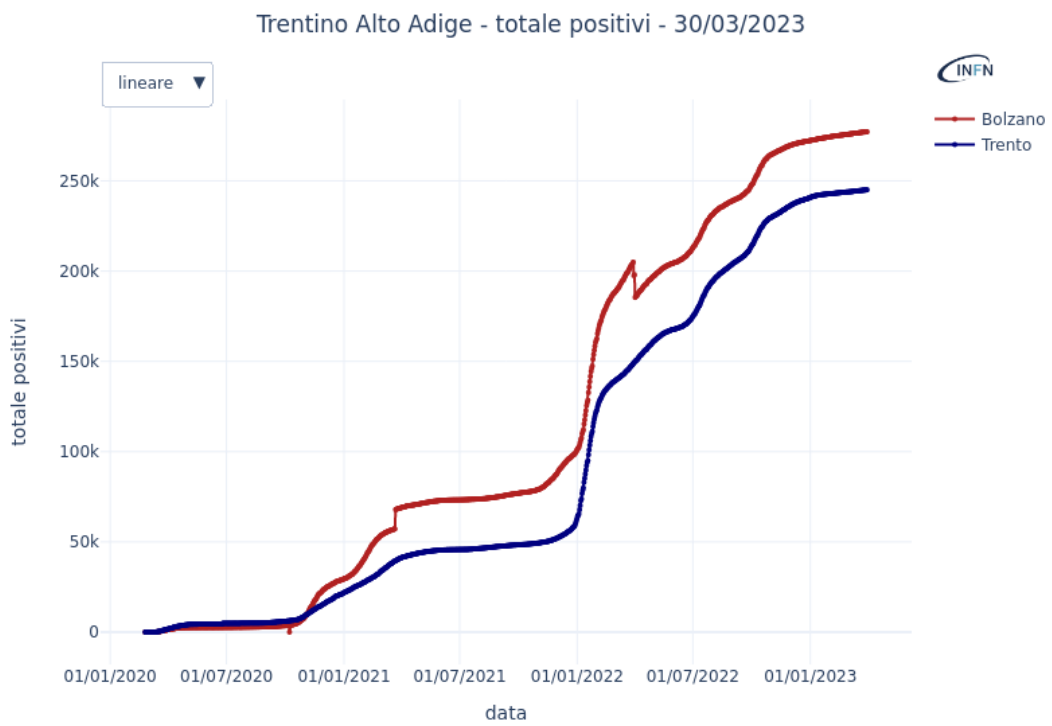


Fig. 379

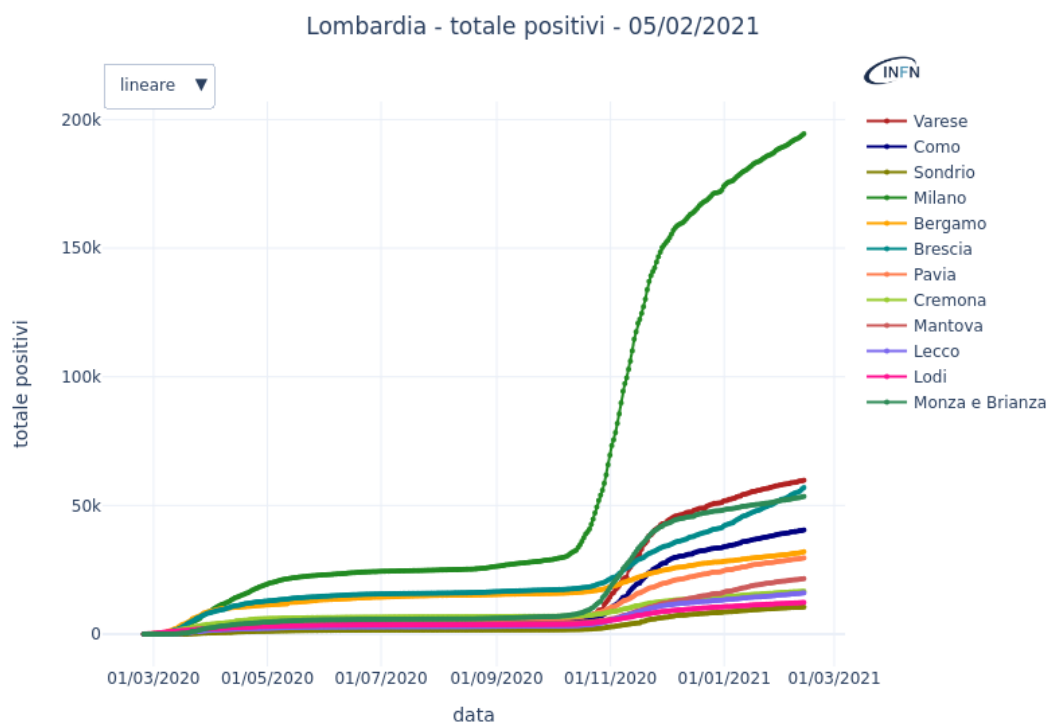


Fig. 380

Puglia - decessi giornalieri - residui - 30/03/2023

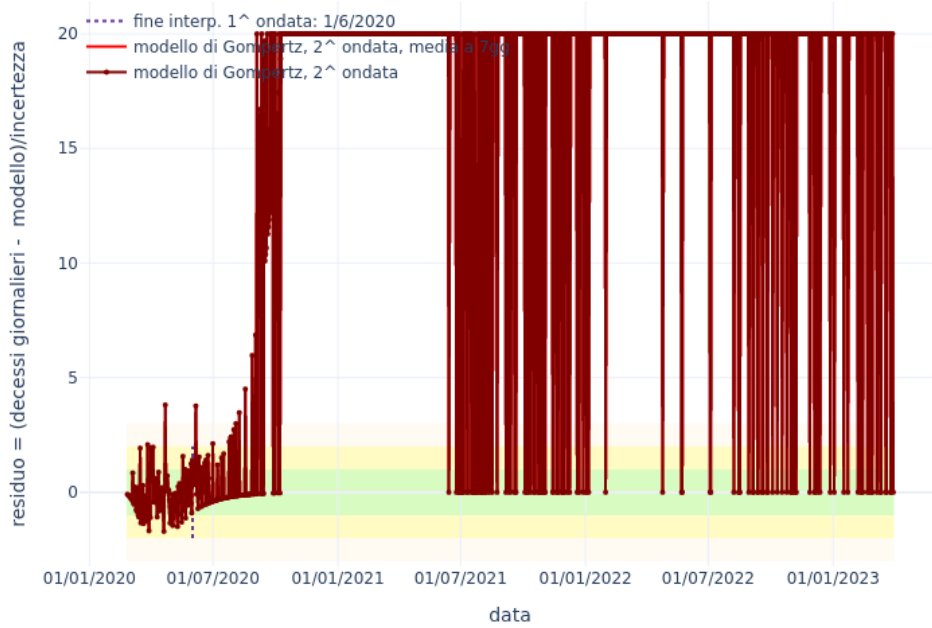


Fig. 381

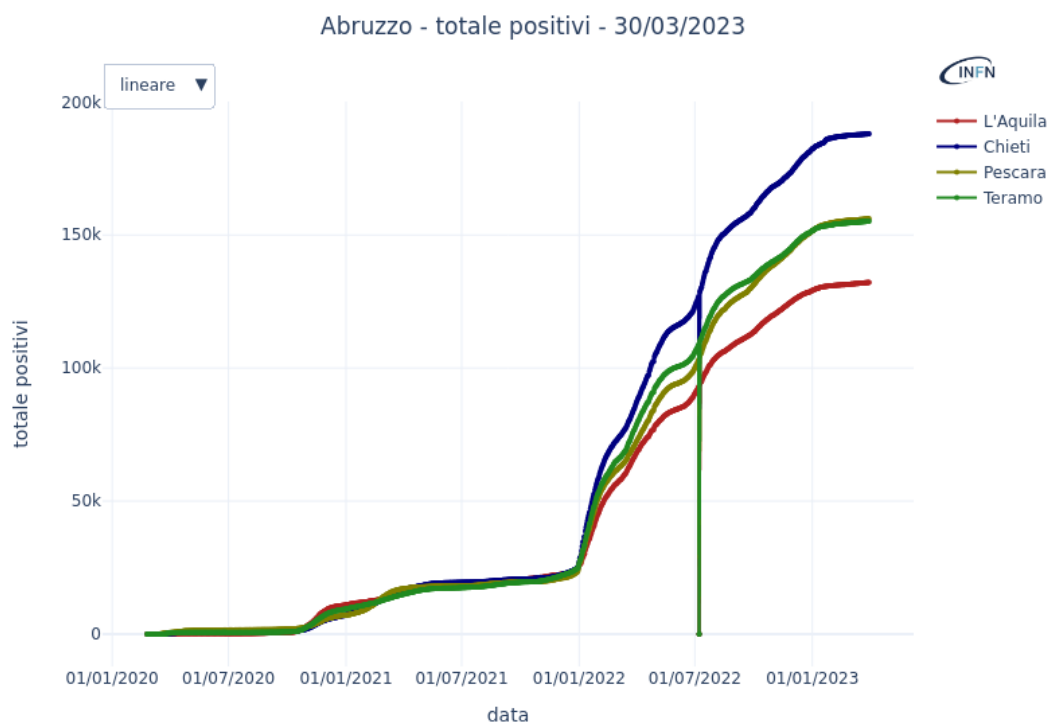


Fig. 382

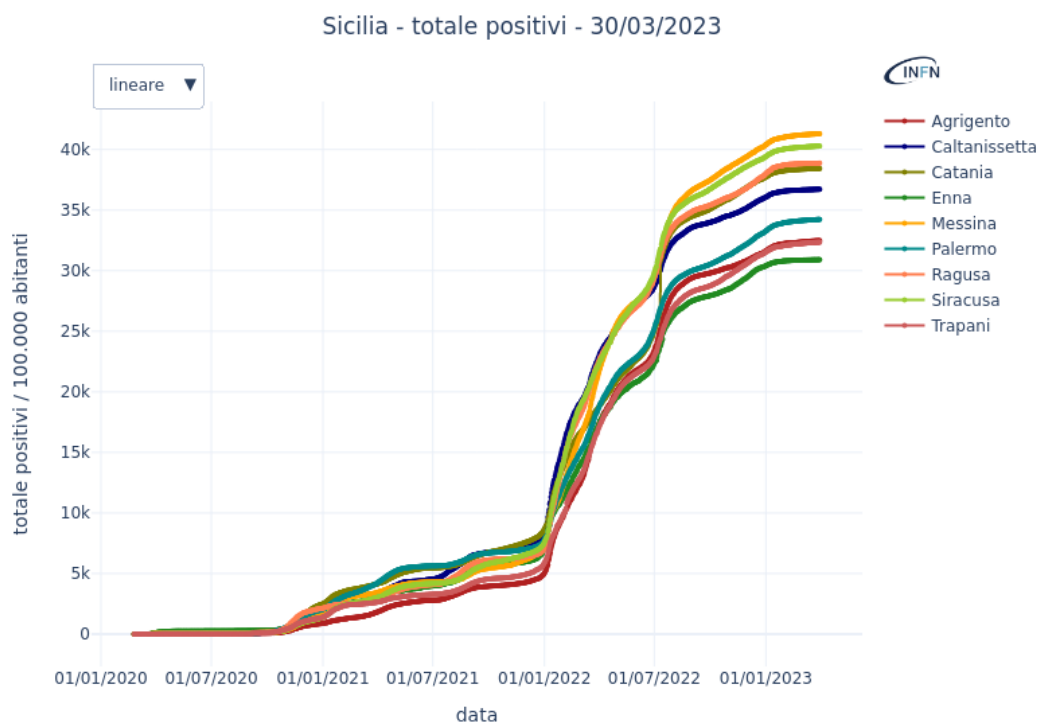


Fig. 383

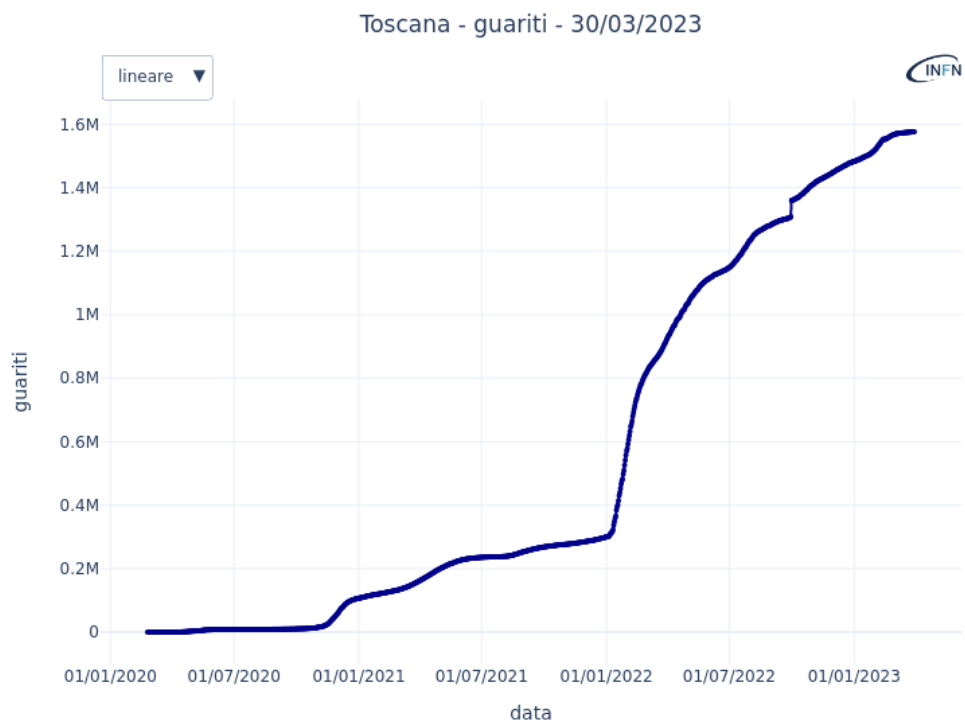


Fig. 384



Dosi somministrate al 31/03/2023

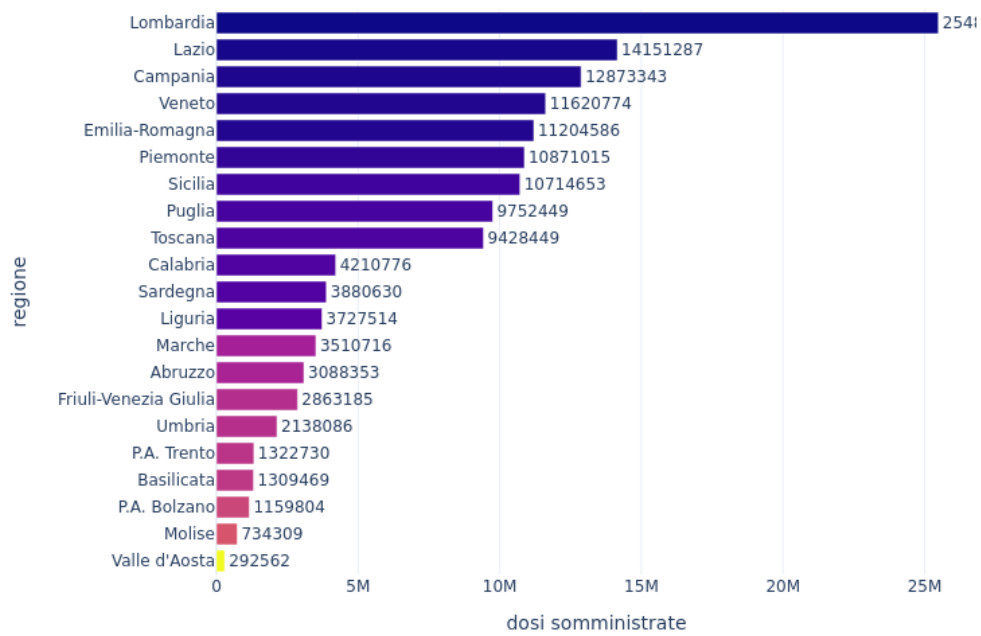


Fig. 385

Abruzzo - decessi - residui - 16/01/2021

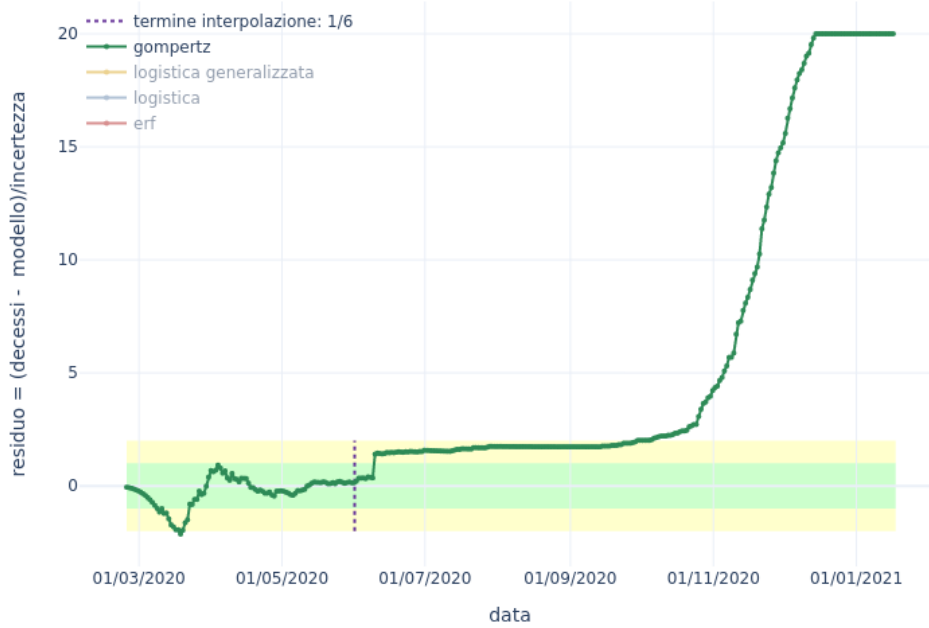


Fig. 386

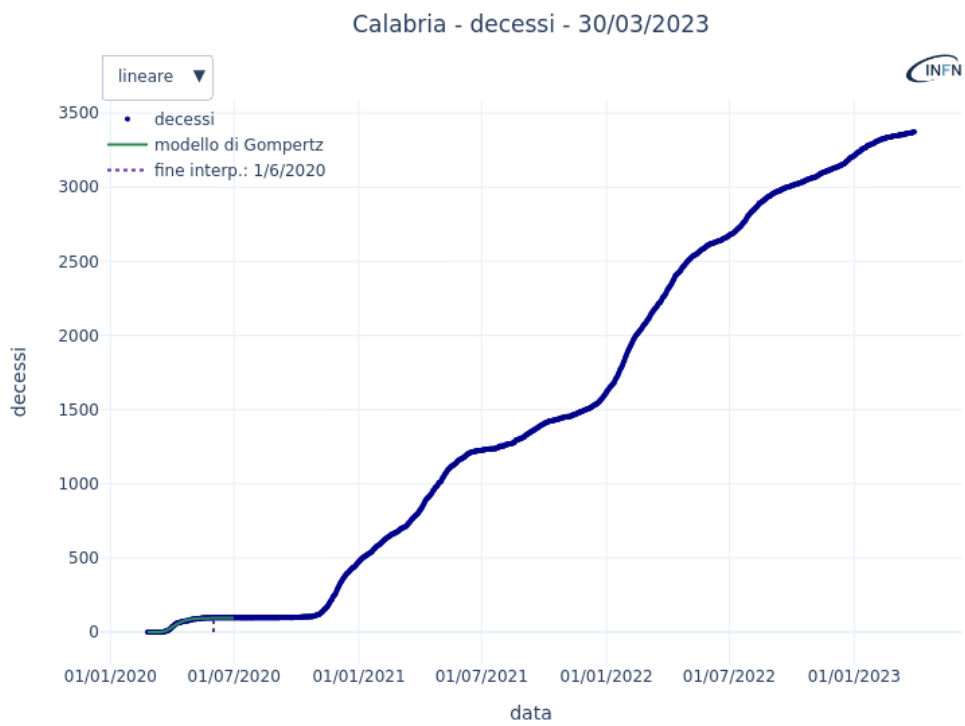


Fig. 387

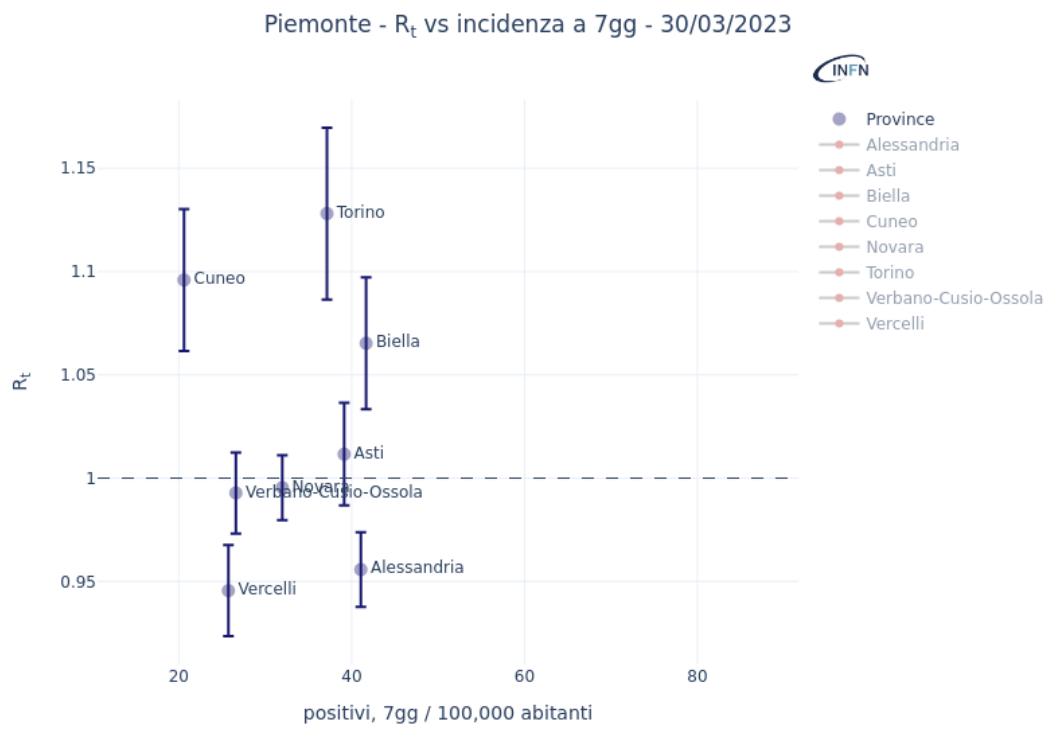


Fig. 388

Marche - 04/02/2021 - rapporti

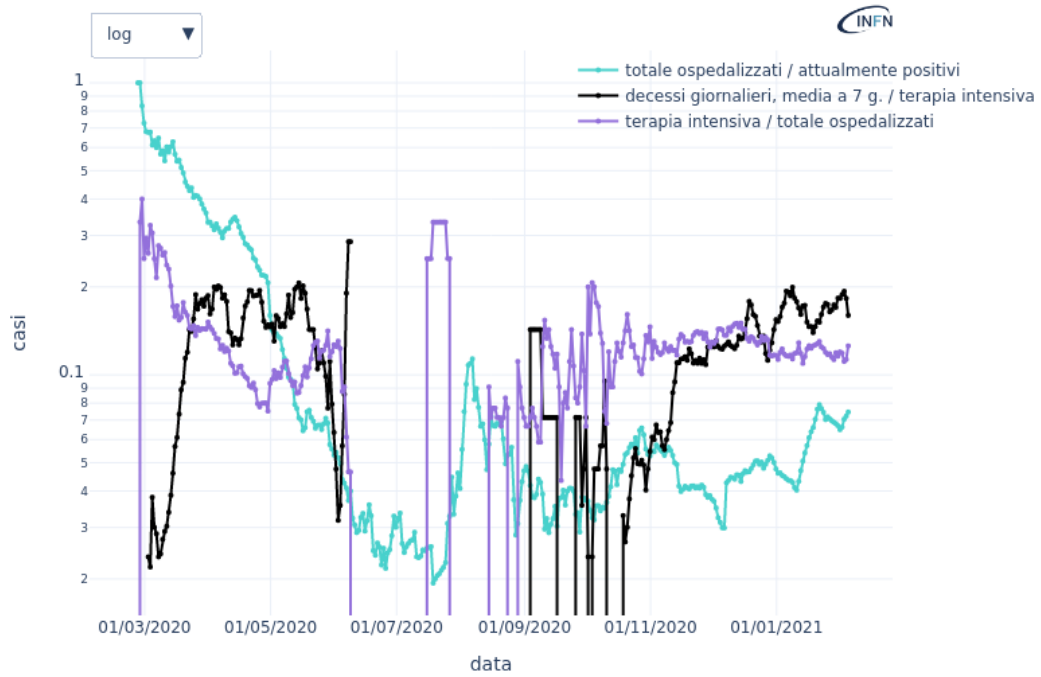


Fig. 389

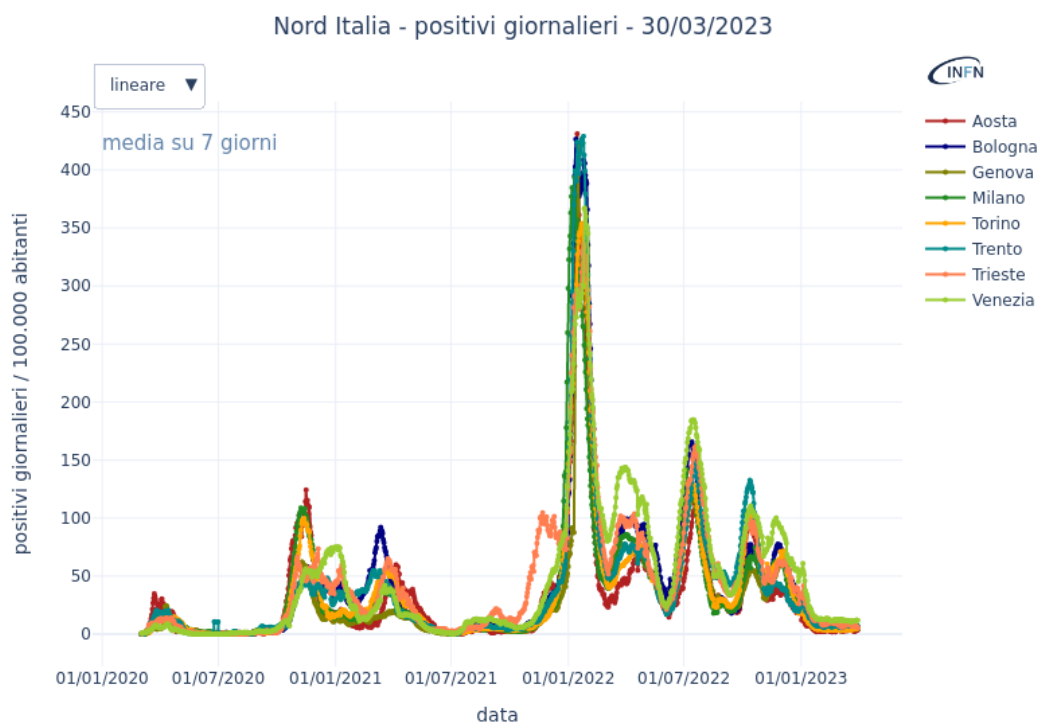


Fig. 390

Marche - tasso di crescita terapia intensiva - 30/03/2023

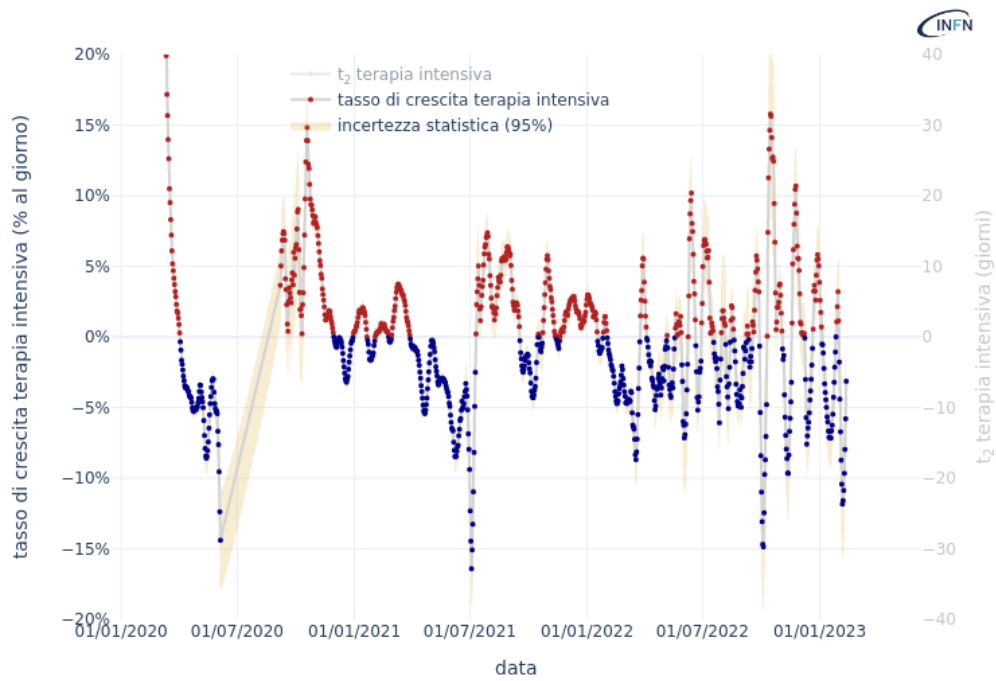


Fig. 391

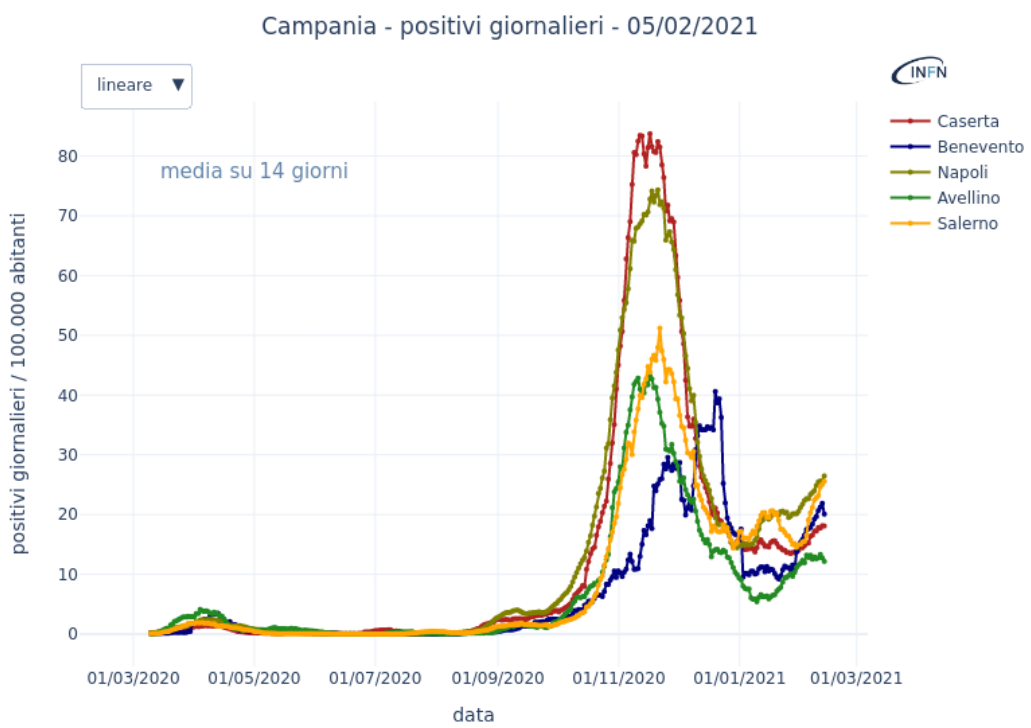


Fig. 392



Centro Italia - positivi e casi testati giornalieri - 30/03/2023

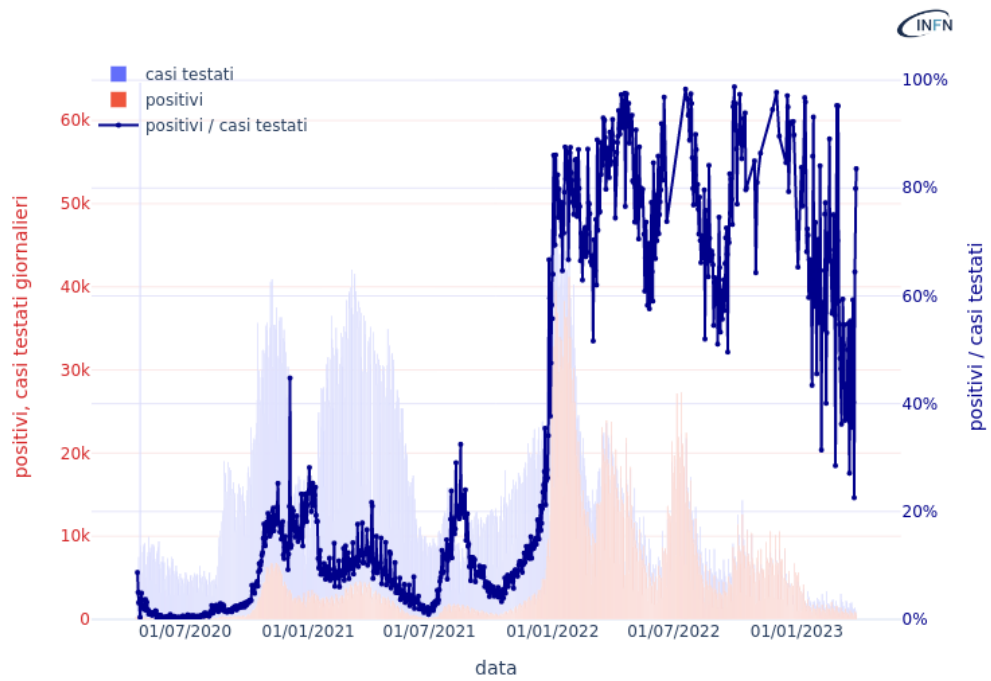


Fig. 393

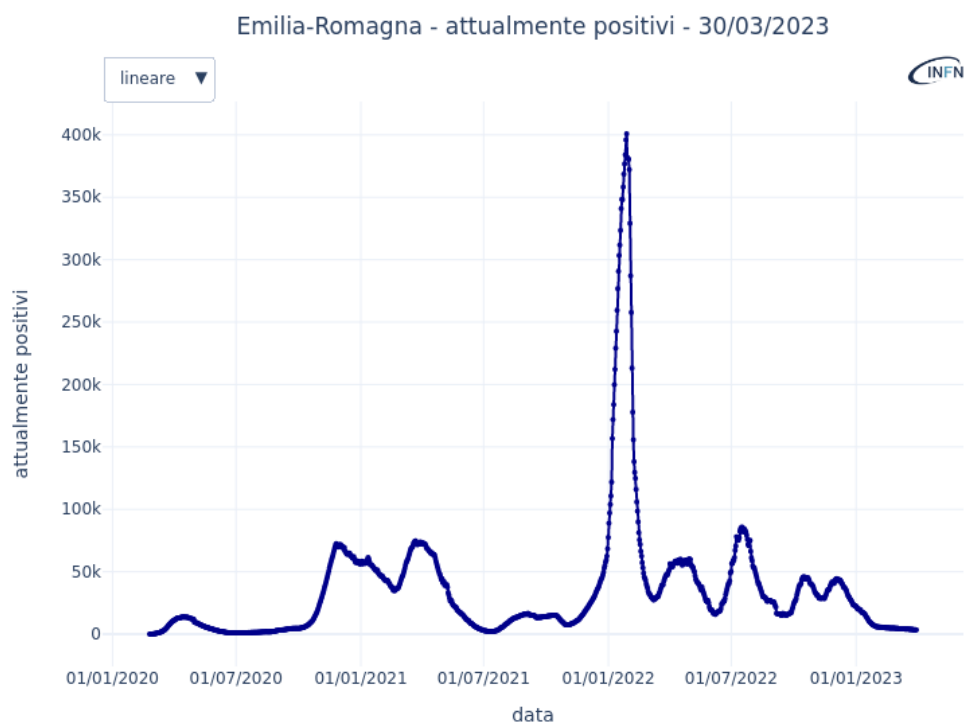


Fig. 394

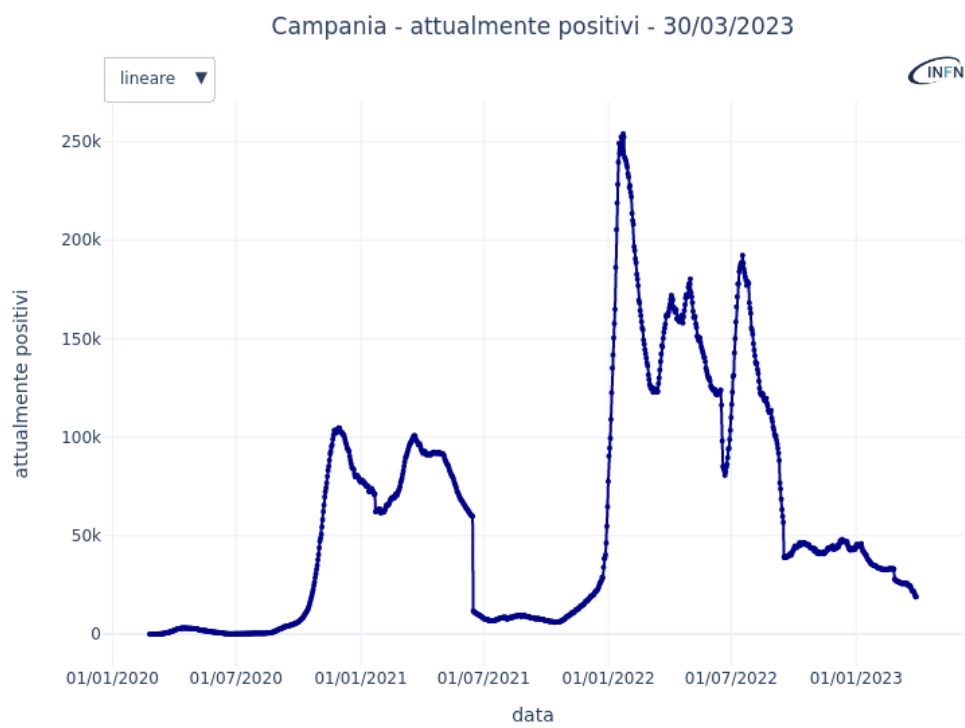


Fig. 395

Nord Italia - tempo di raddoppio (inverso) decessi - 30/03/2023

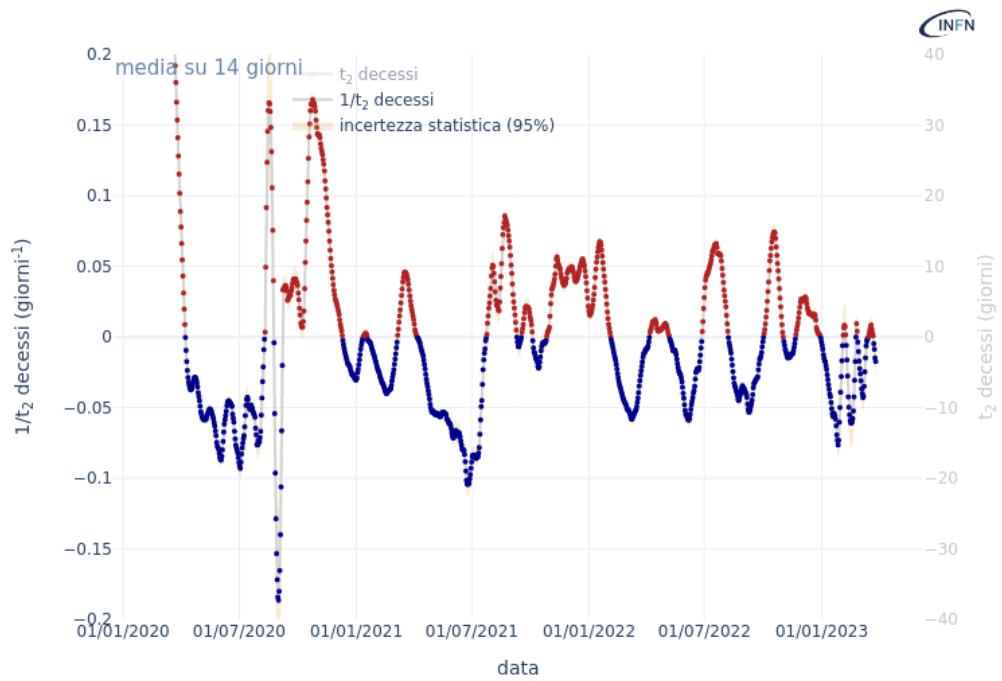


Fig. 396

Centro Italia - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

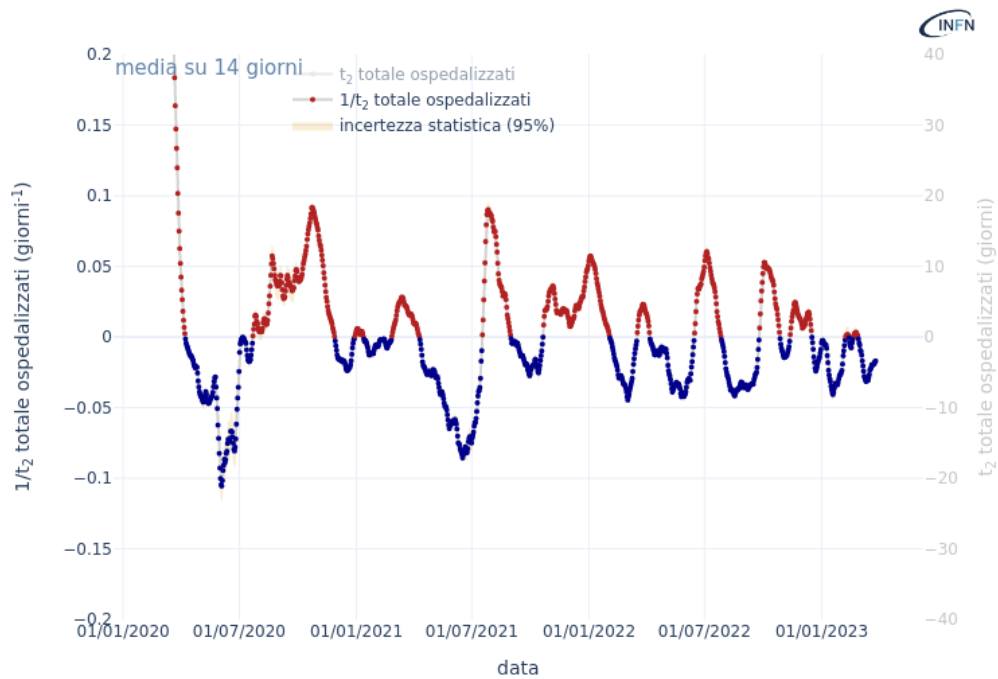


Fig. 397

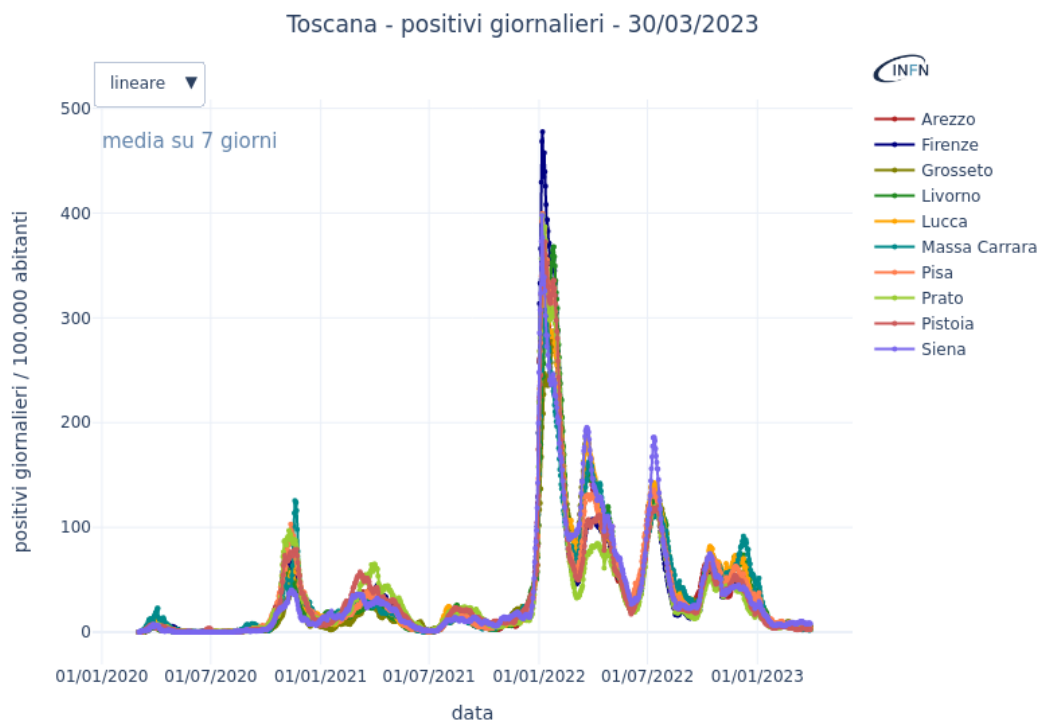


Fig. 398

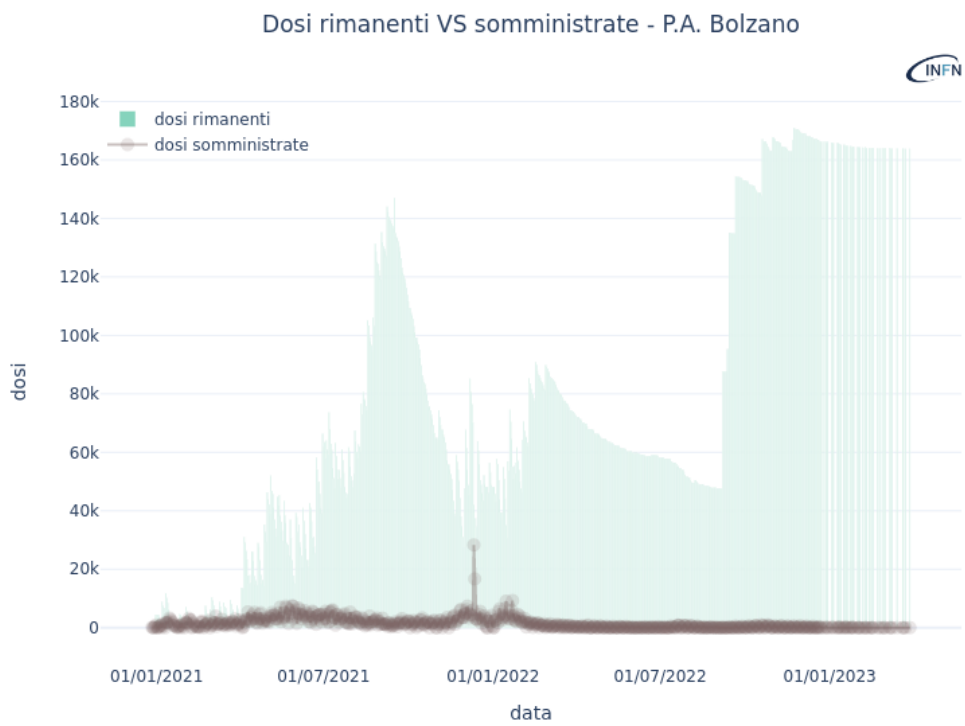


Fig. 399

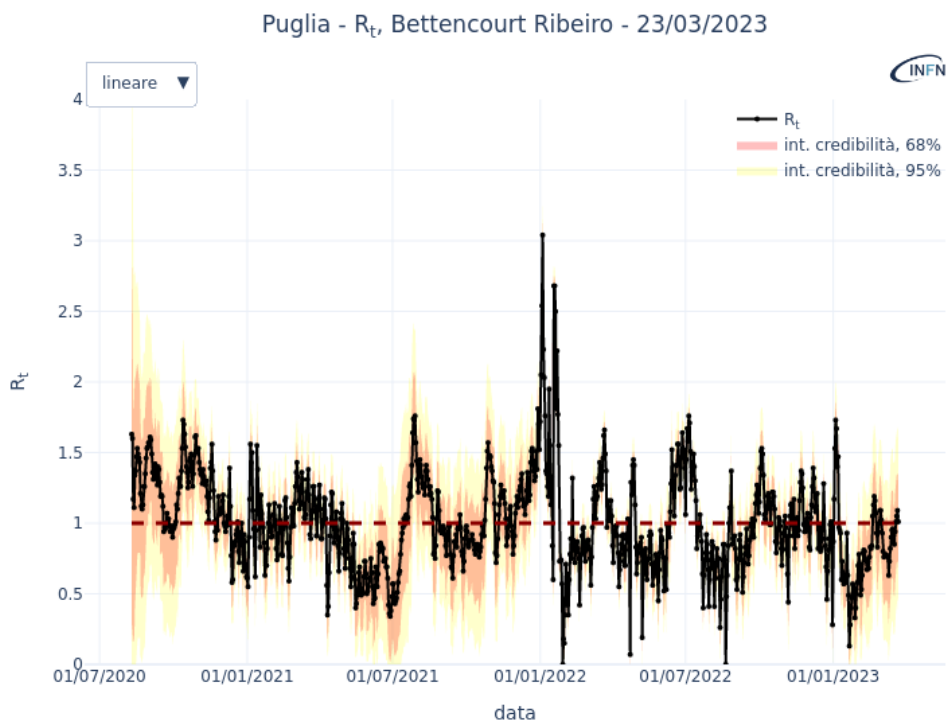


Fig. 400



Emilia-Romagna - tempo di raddoppio totale ospedalizzati - 30/03/2023

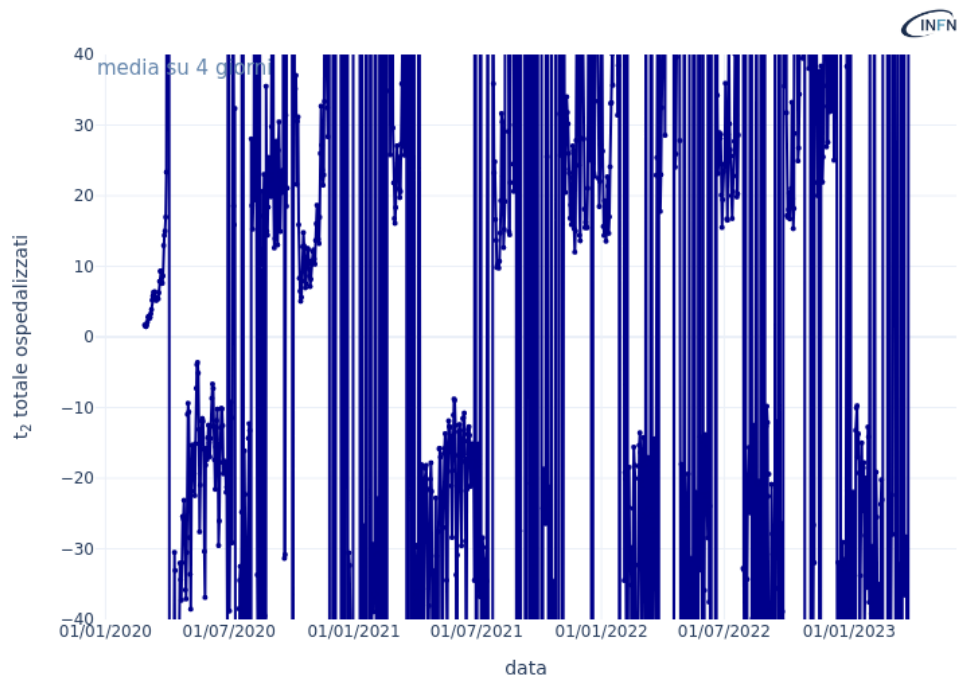


Fig. 401



Fig. 402

Vaccini vs incidenza, decessi giornalieri - 30/03/2023

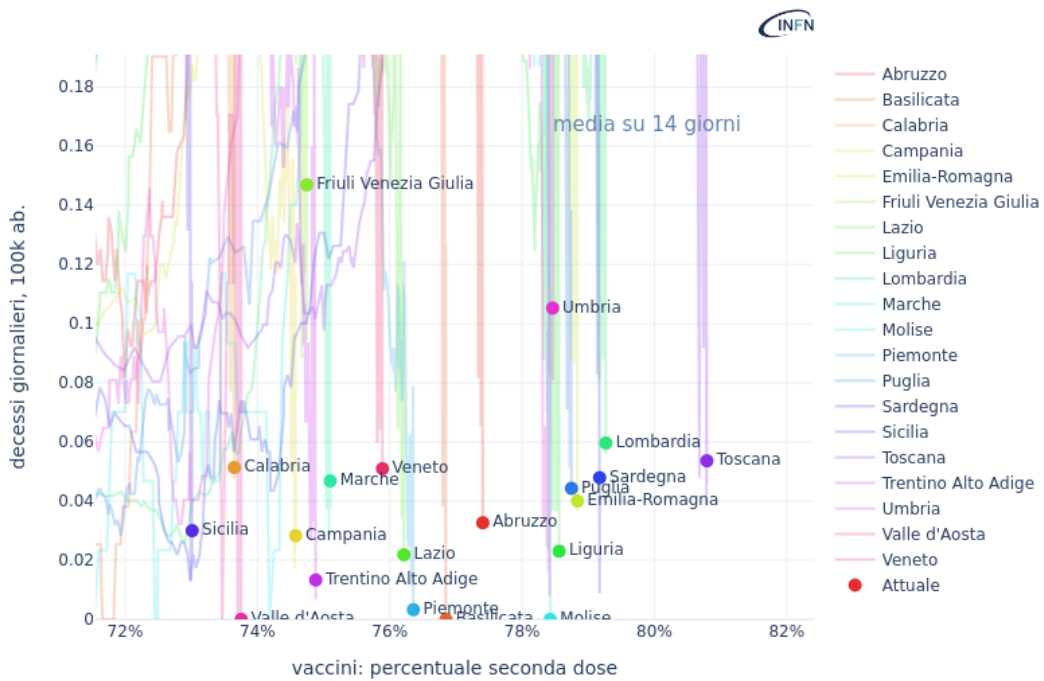


Fig. 403

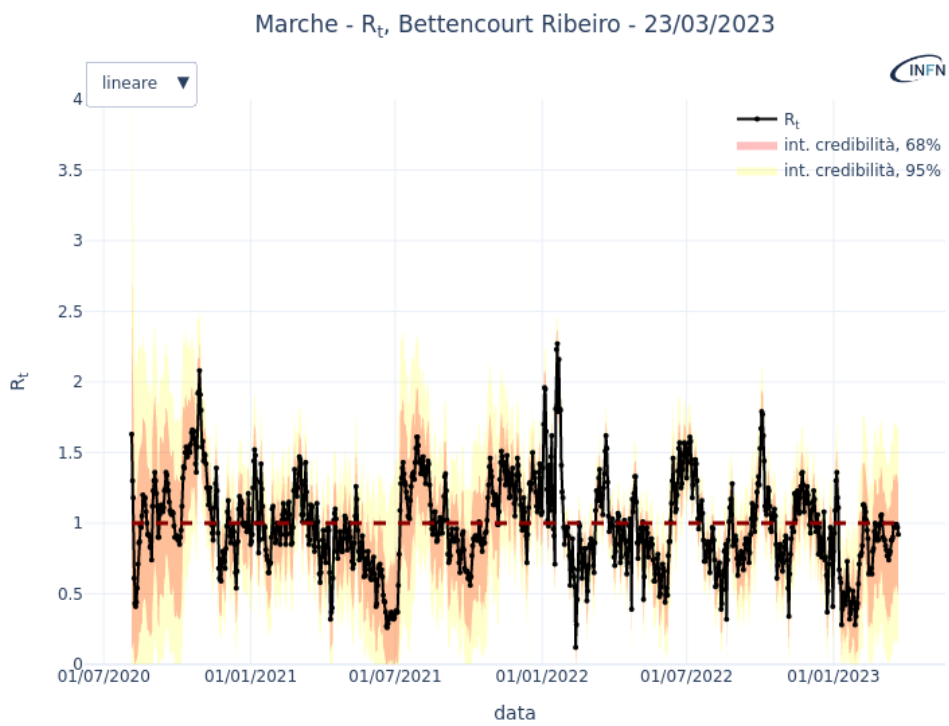


Fig. 404

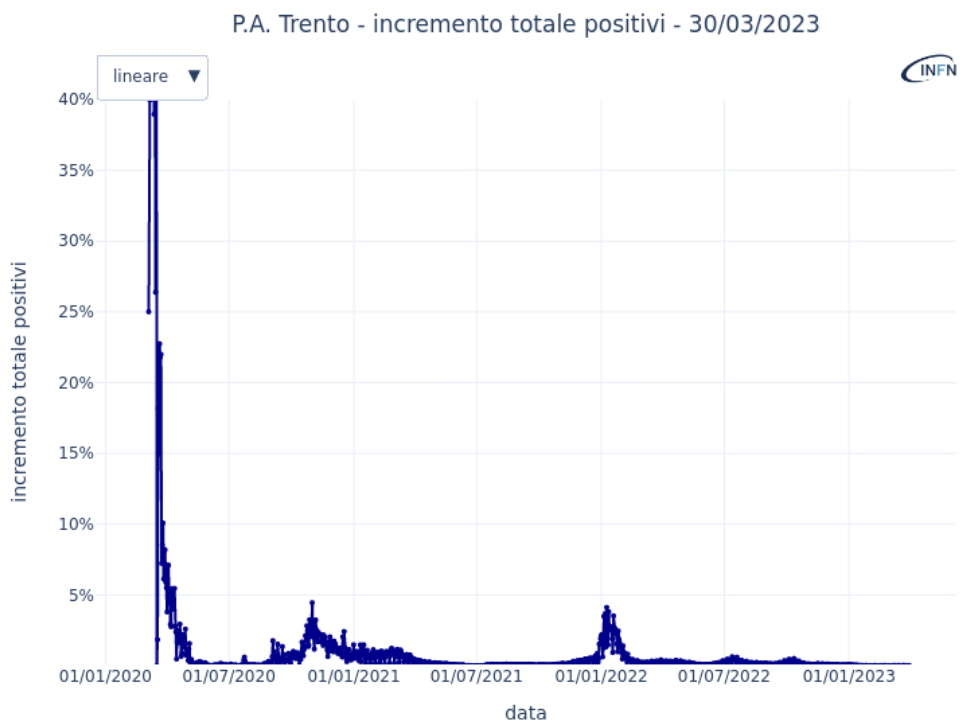


Fig. 405

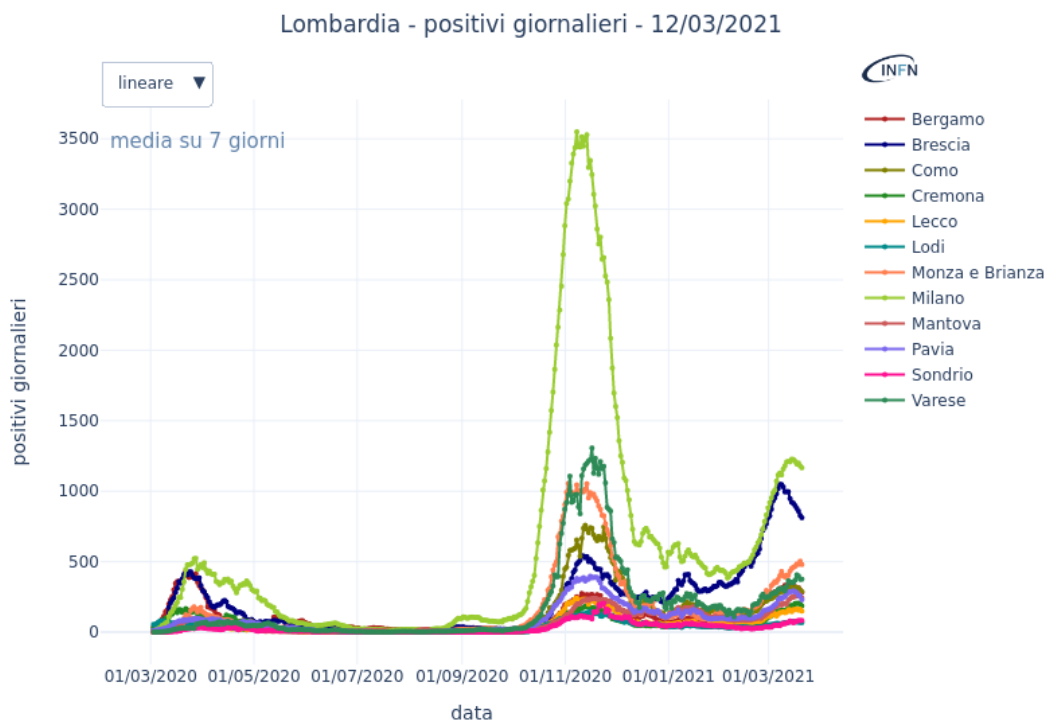


Fig. 406

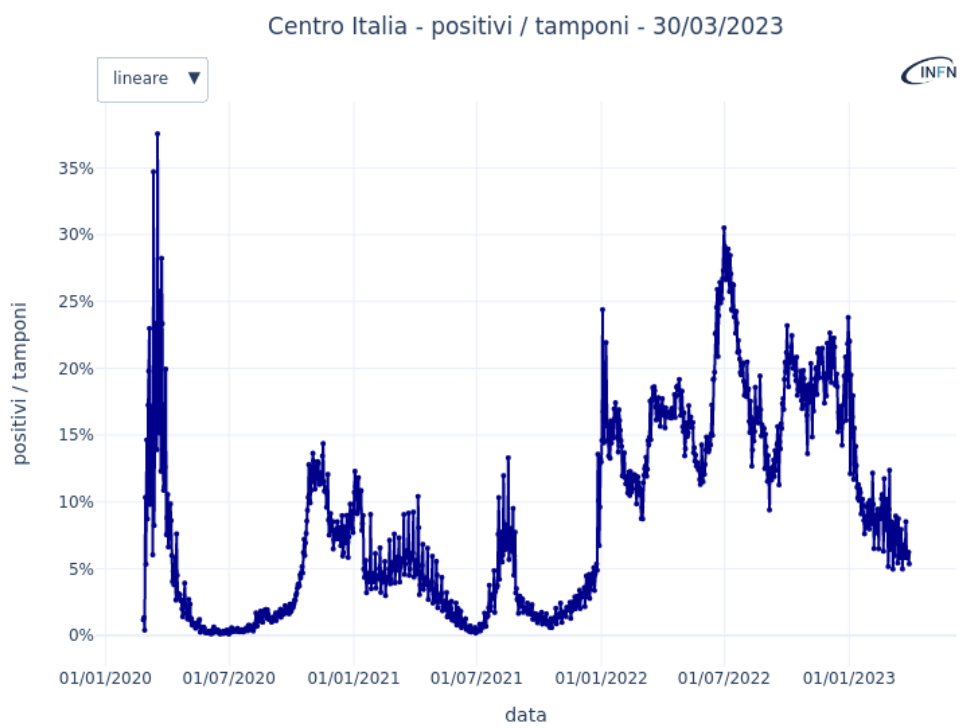


Fig. 407

P.A. Trento - positivi e casi testati giornalieri - 30/03/2023

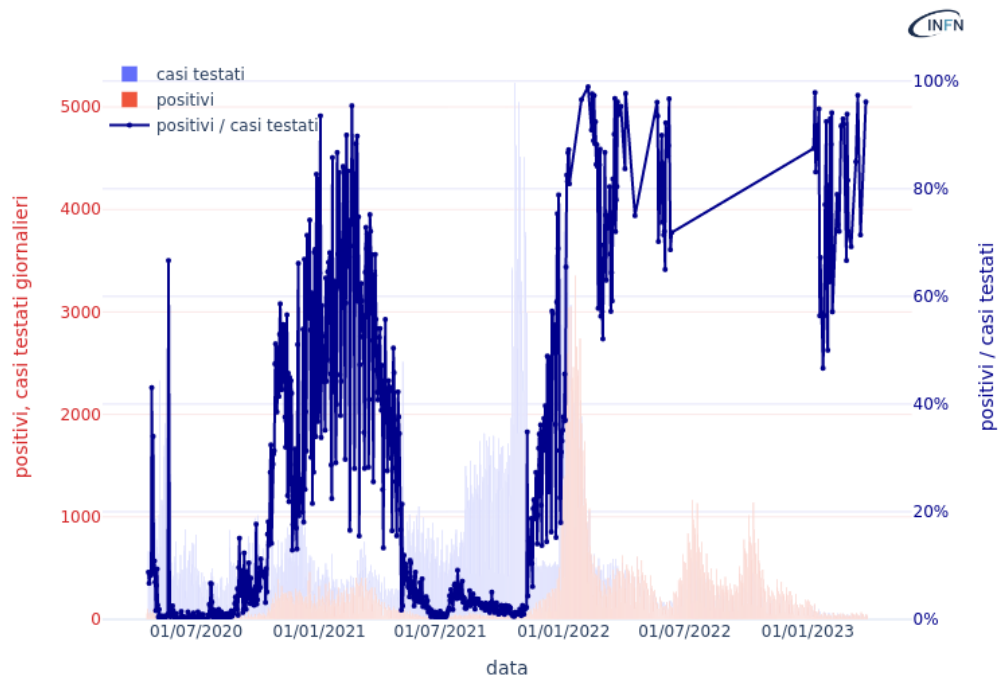


Fig. 408



Abruzzo - positivi giornalieri - residui - 30/03/2023

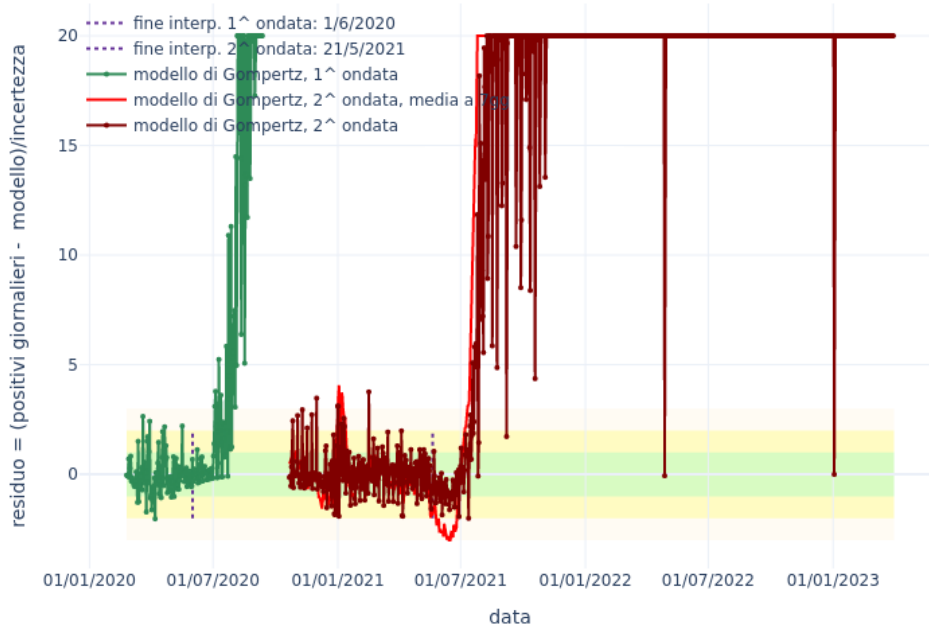


Fig. 409

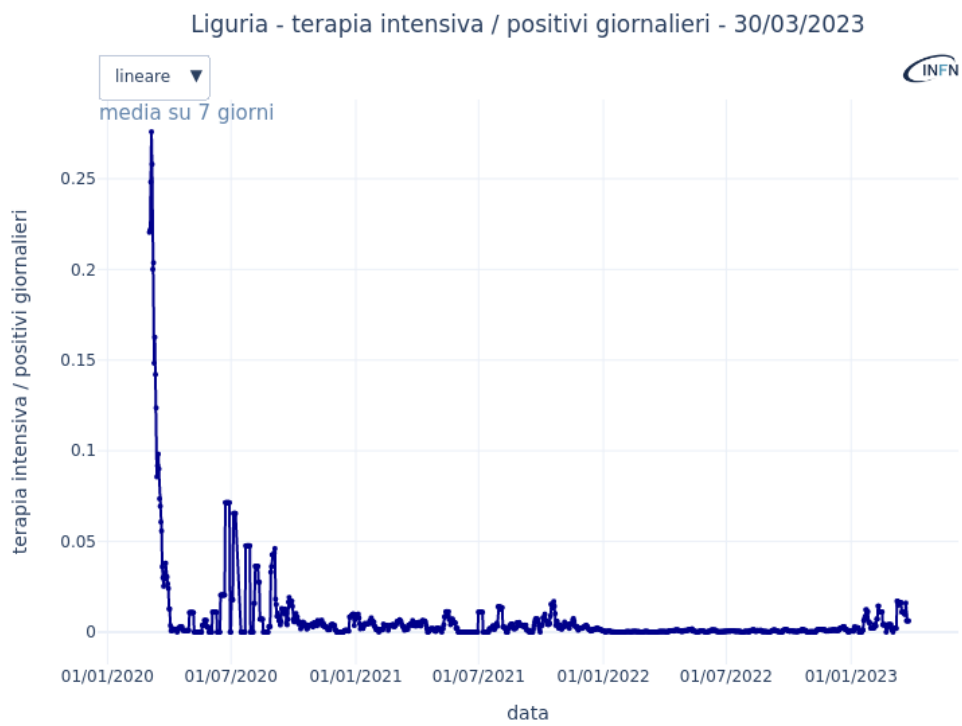


Fig. 410

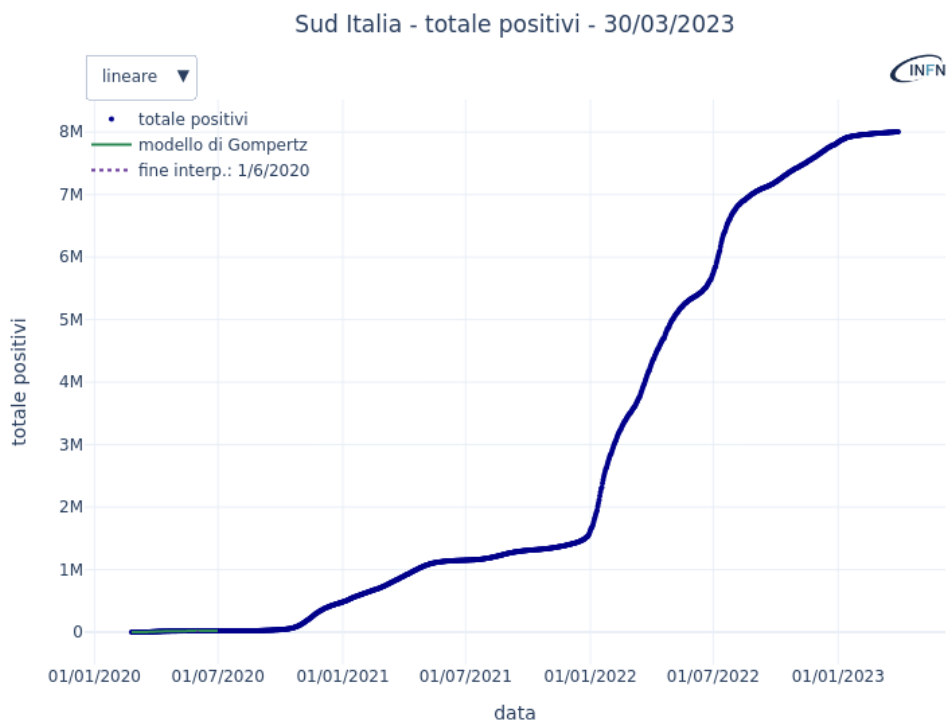


Fig. 411

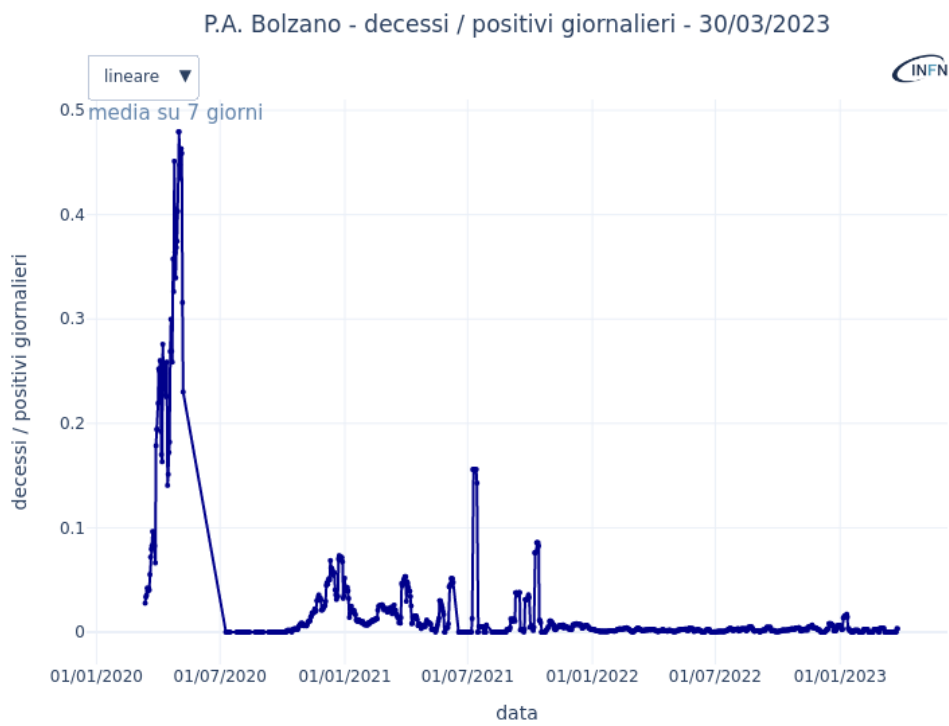


Fig. 412

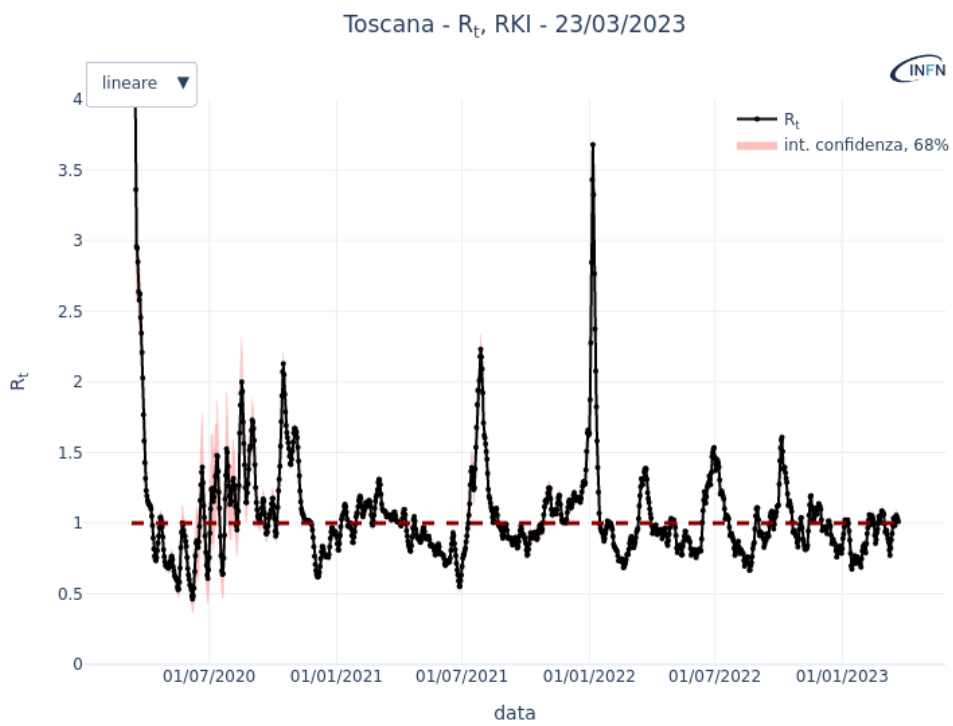


Fig. 413

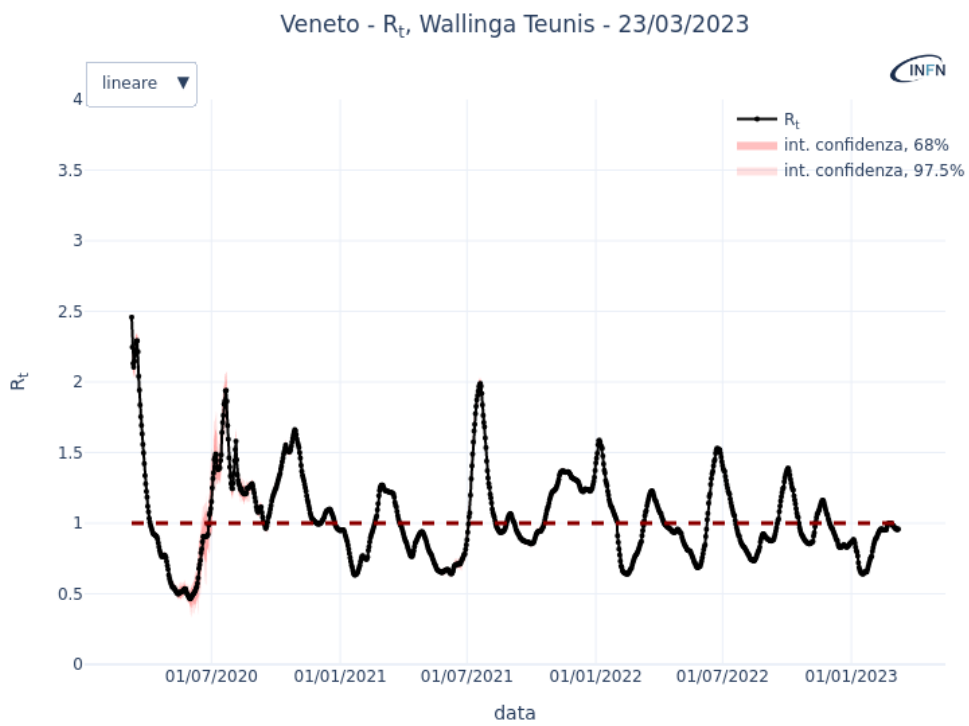


Fig. 414

Umbria - positivi giornalieri - residui - 30/03/2023

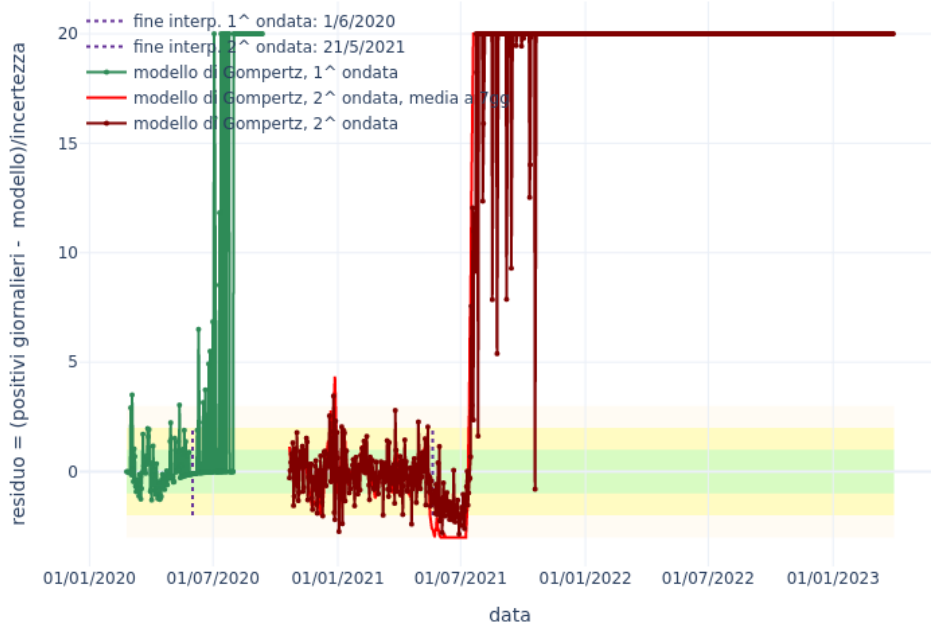


Fig. 415

Trentino Alto Adige - tempo di raddoppio totale ospedalizzati - 30/03/2023

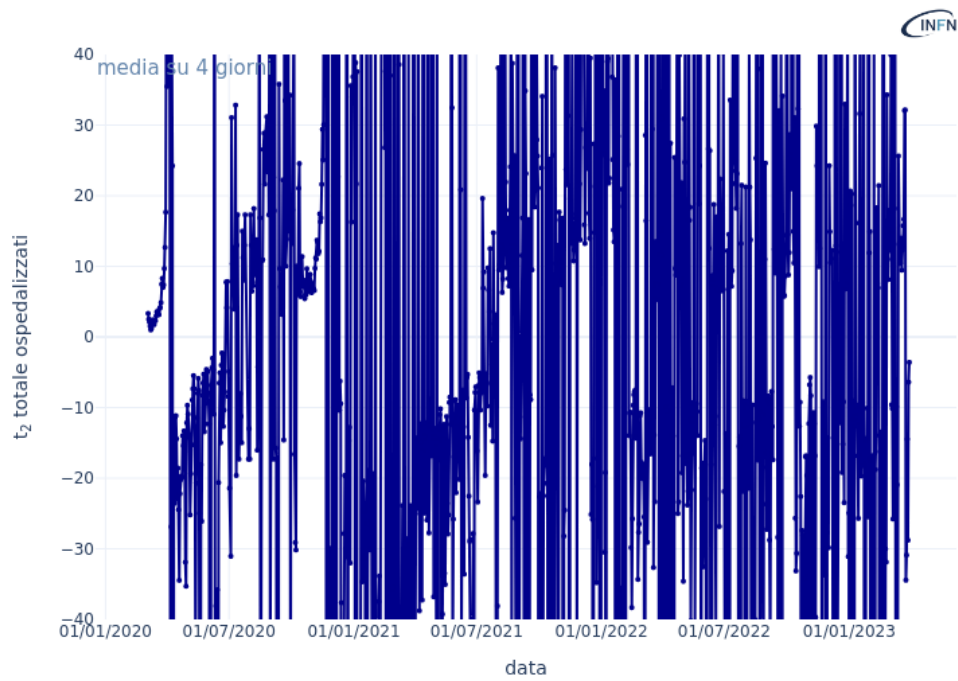


Fig. 416



Liguria - tasso di crescita terapia intensiva - 30/03/2023

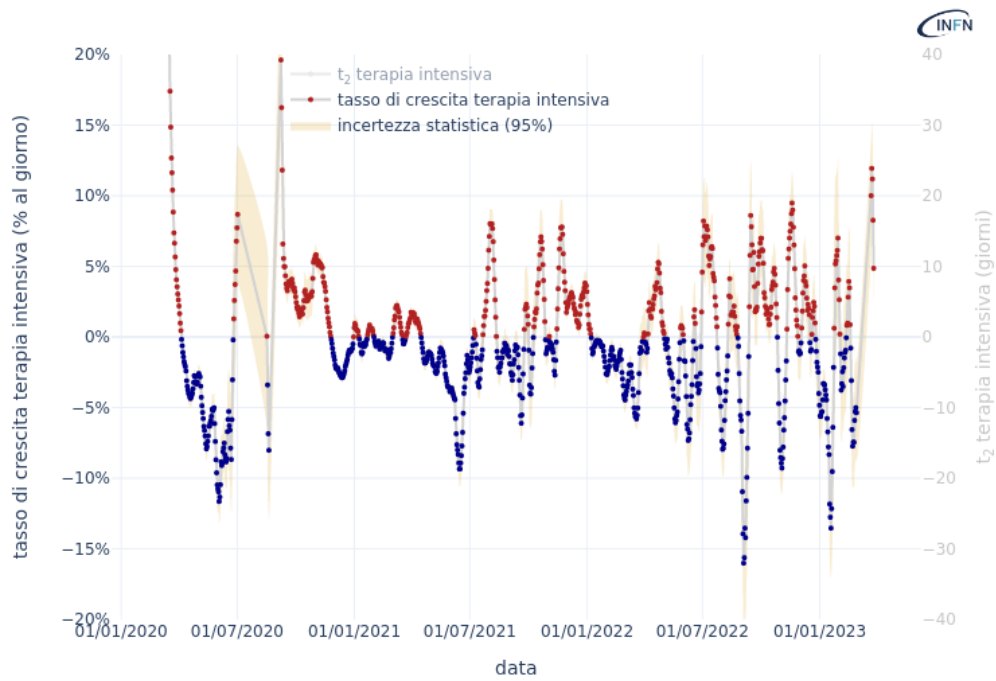


Fig. 417

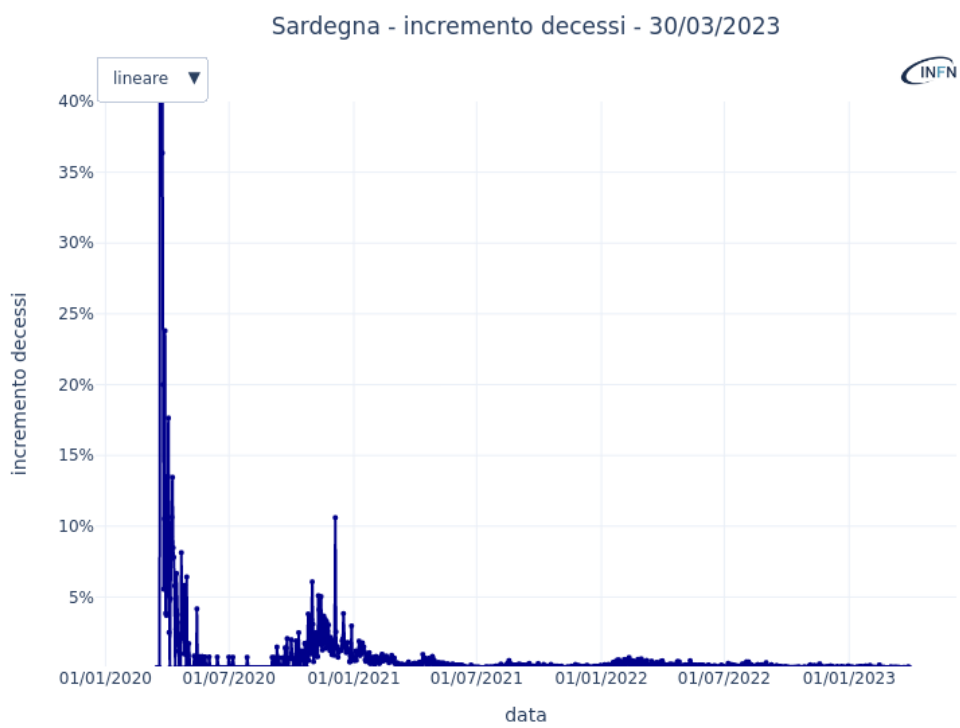


Fig. 418

Liguria - positivi e tamponi giornalieri - 30/03/2023

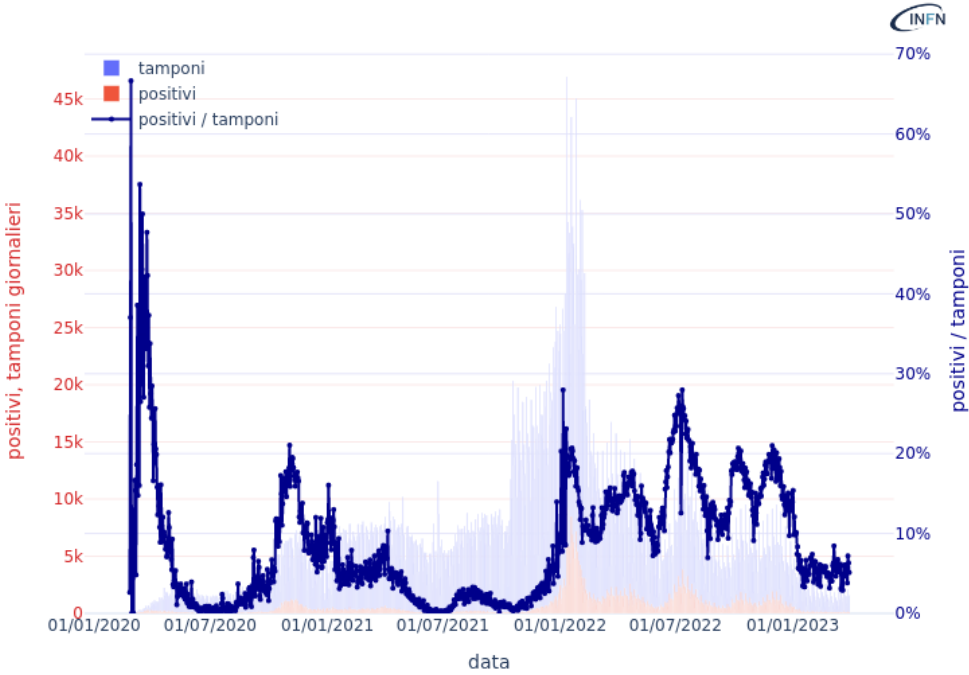


Fig. 419



Fig. 420

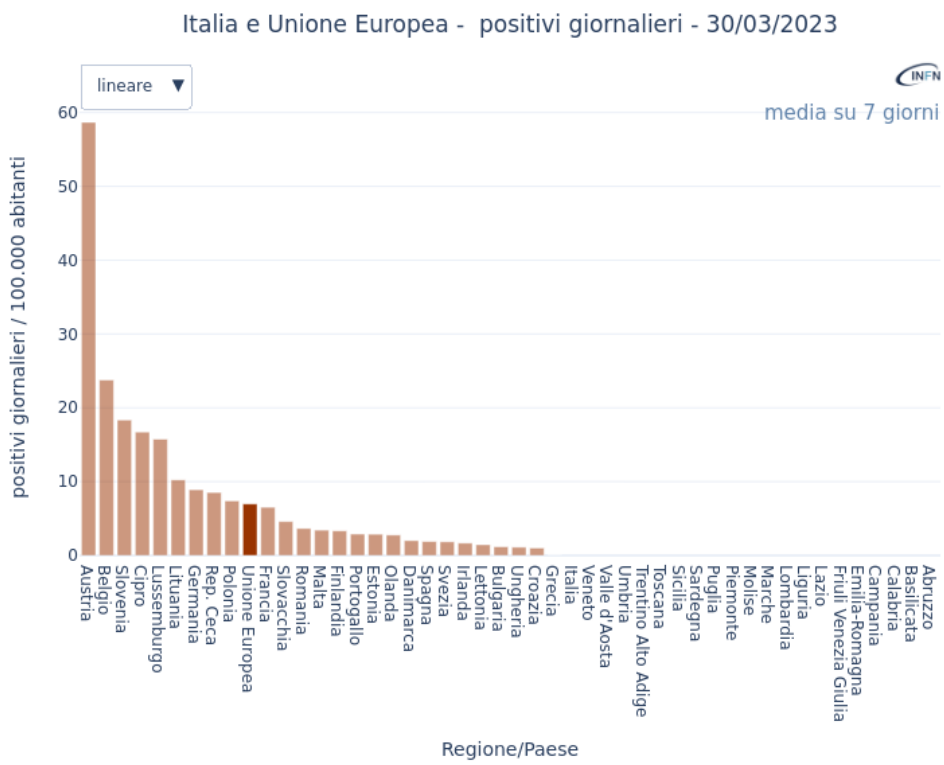


Fig. 421



Fig. 422

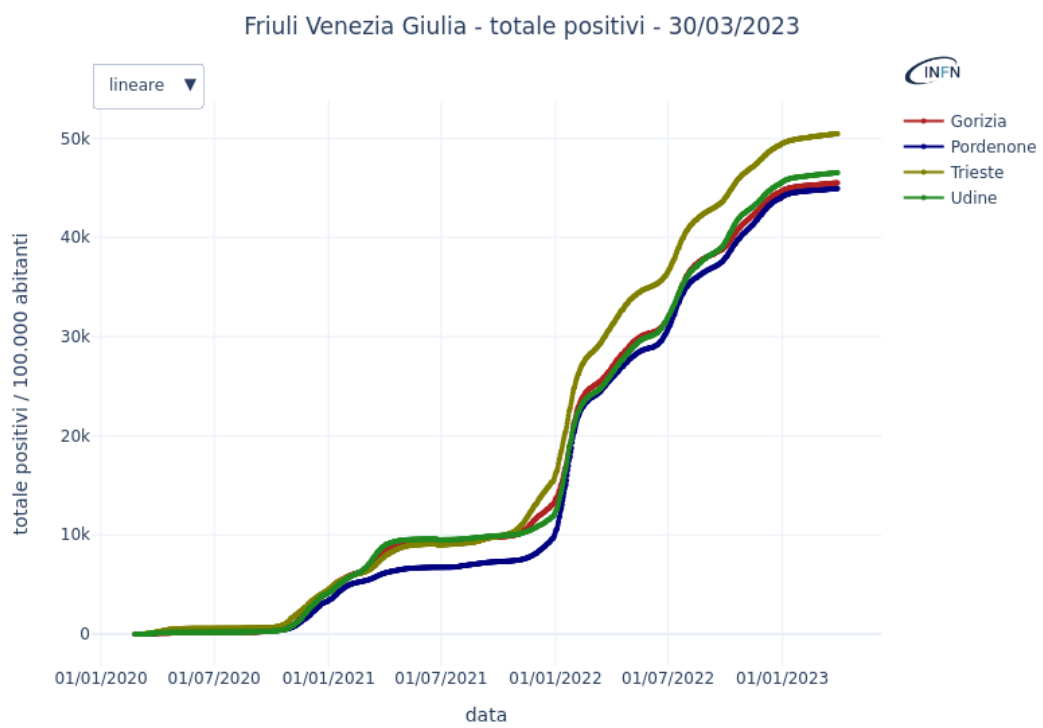


Fig. 423

Liguria - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

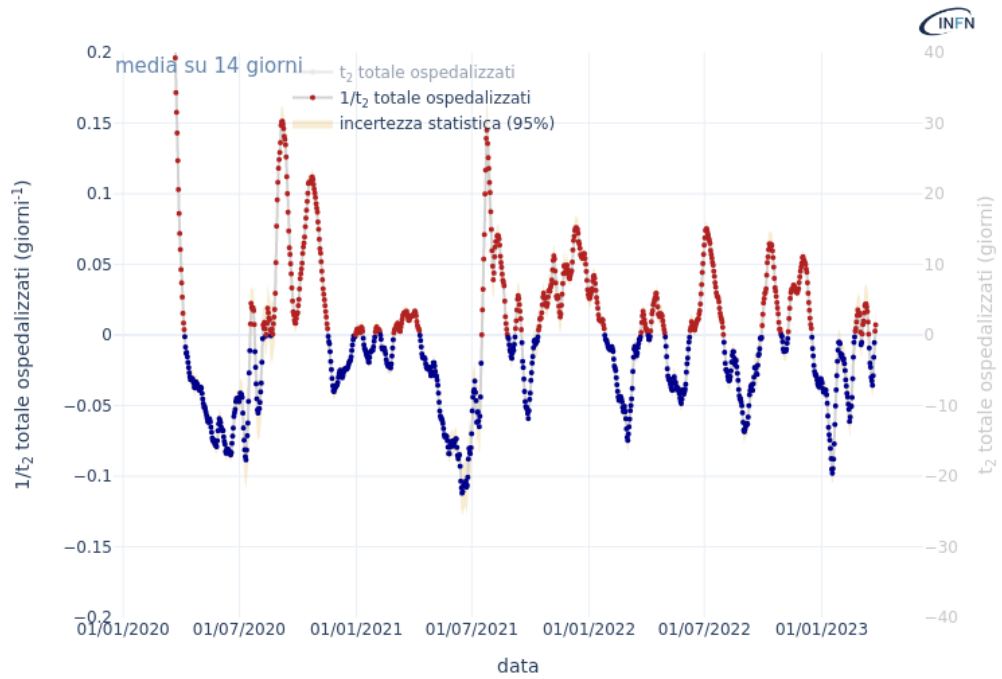


Fig. 424



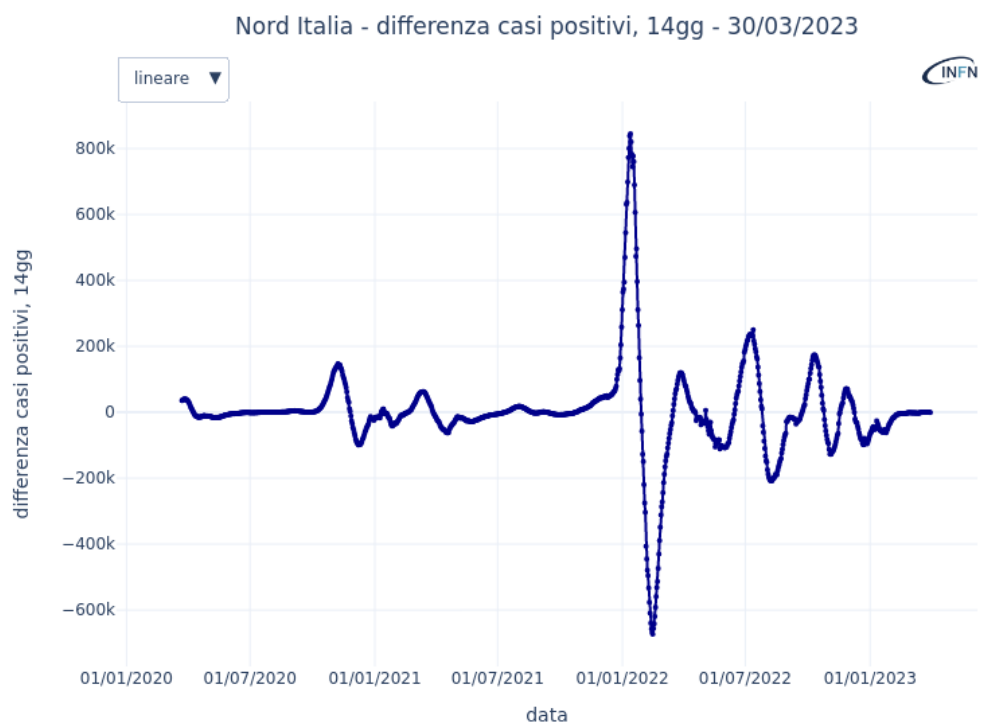


Fig. 425

Dosi somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Piemonte

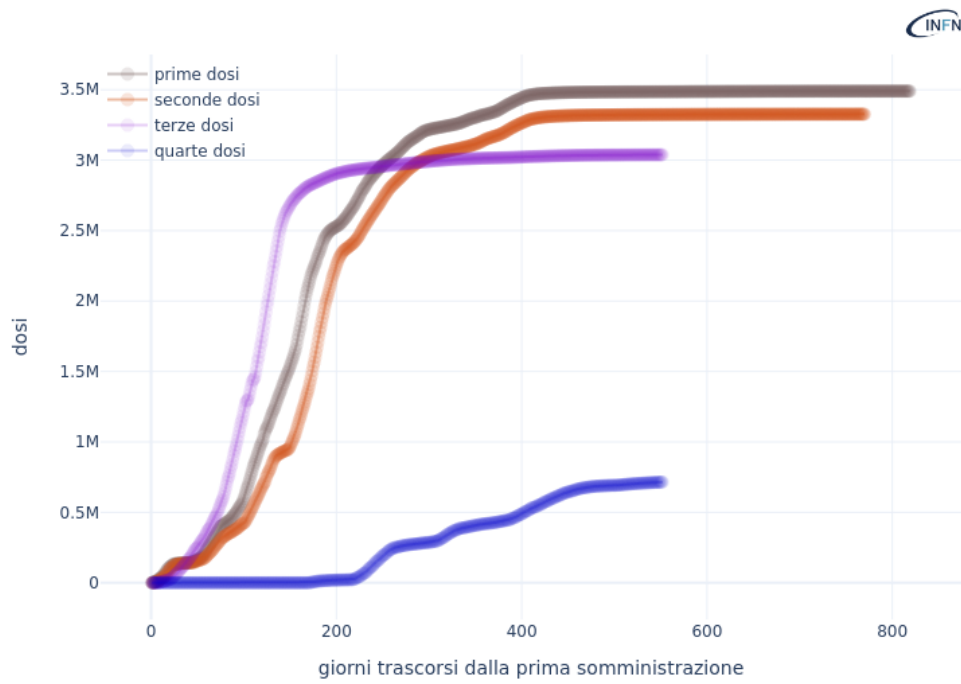


Fig. 426

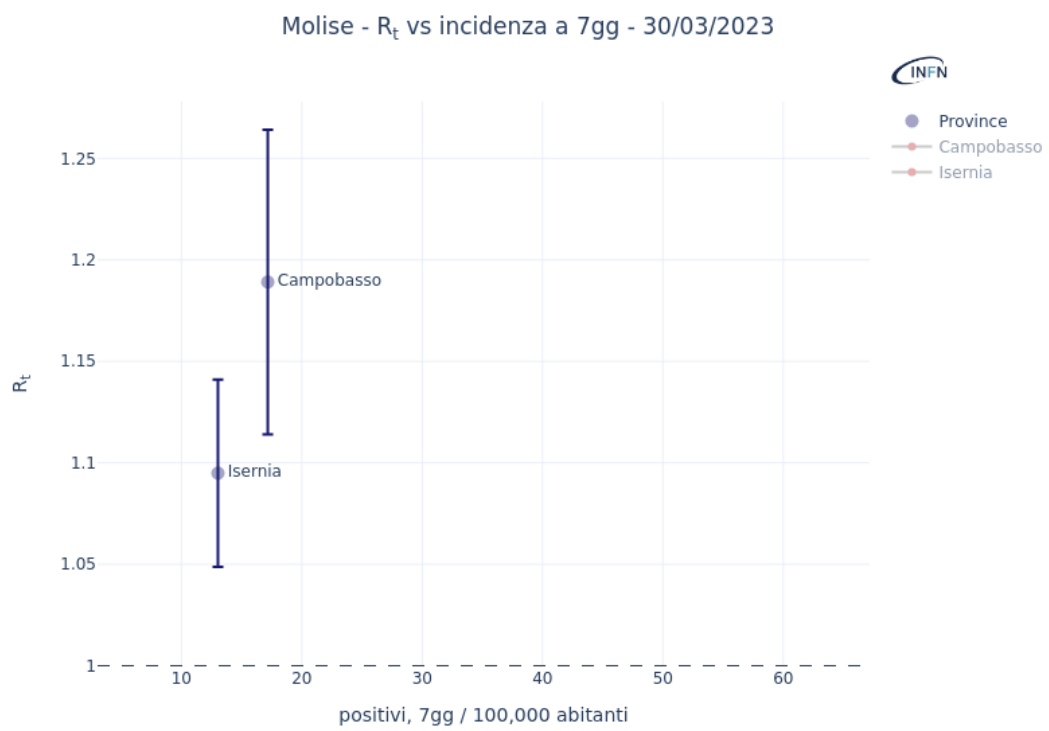


Fig. 427

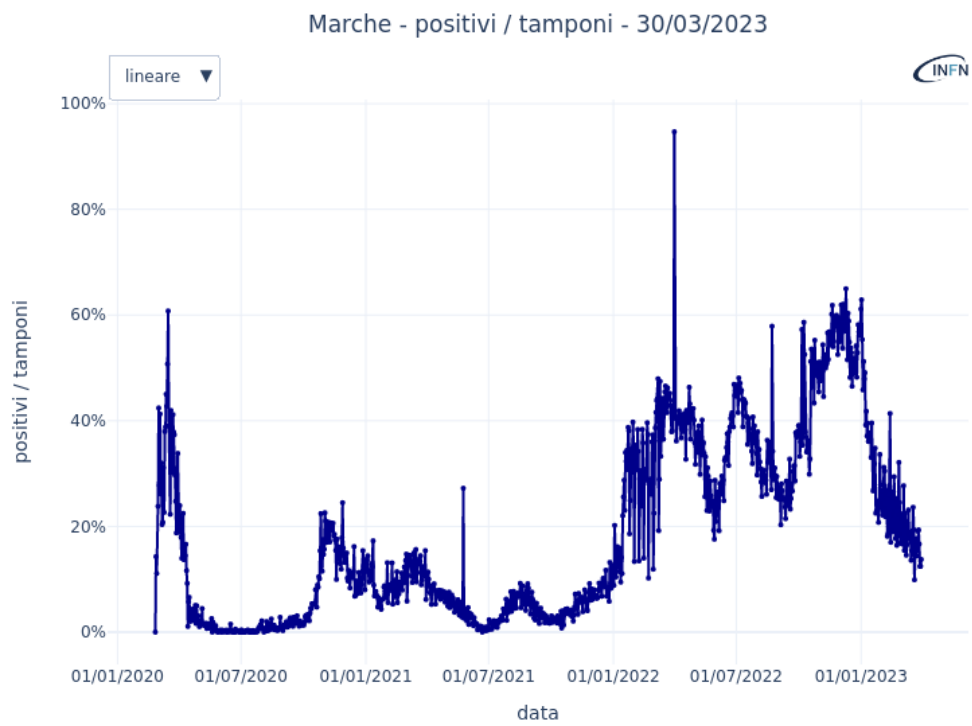


Fig. 428

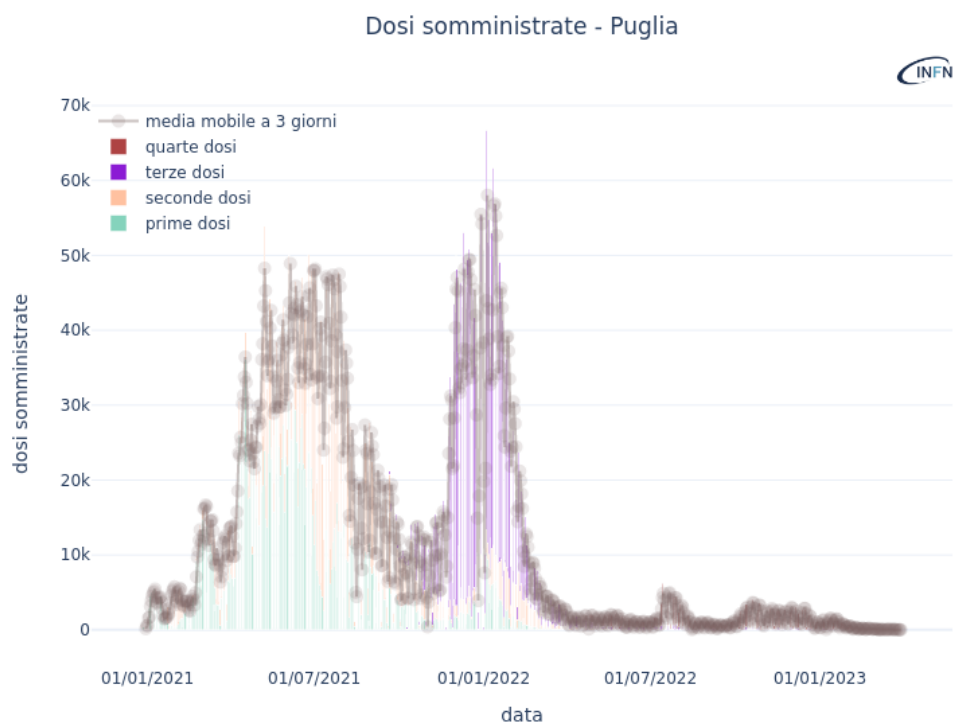


Fig. 429

Friuli Venezia Giulia - tempo di raddoppio totale ospedalizzati - 30/03/2023

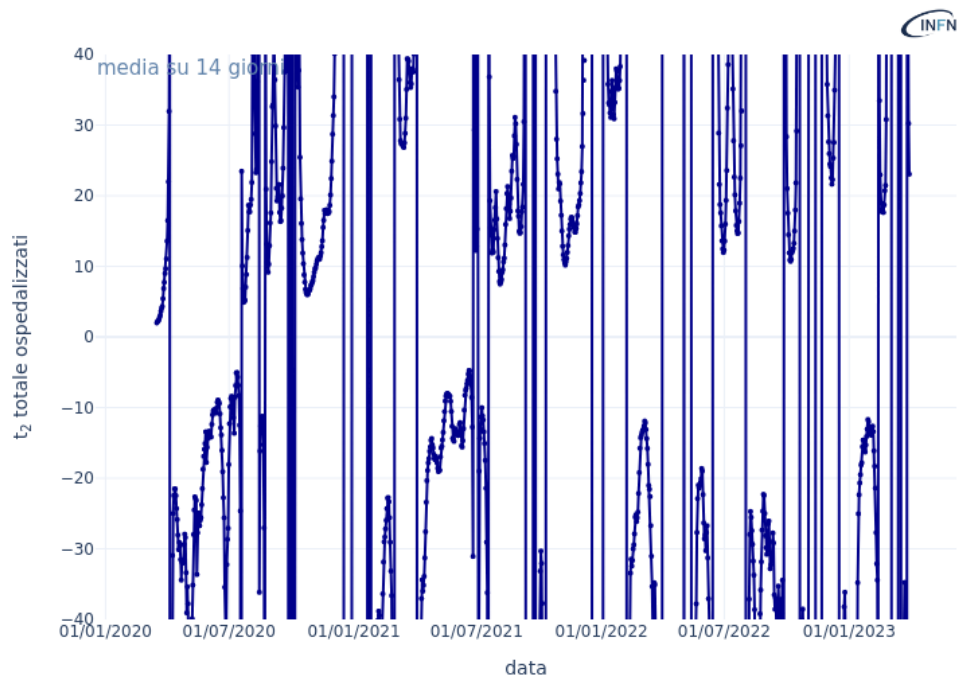


Fig. 430

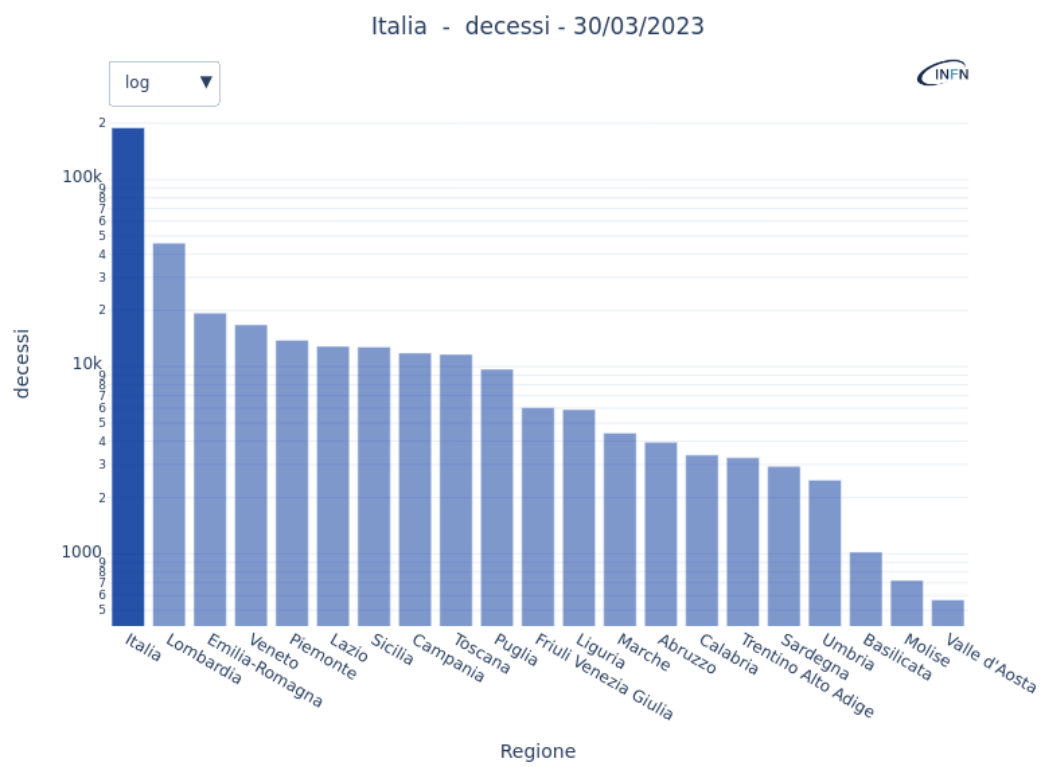


Fig. 431

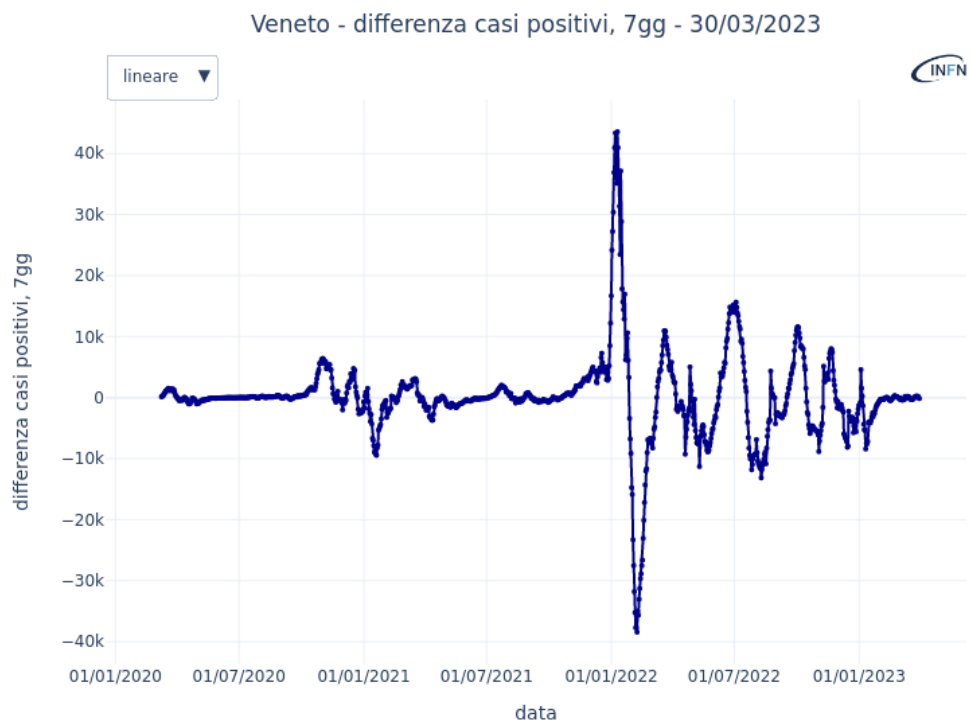


Fig. 432



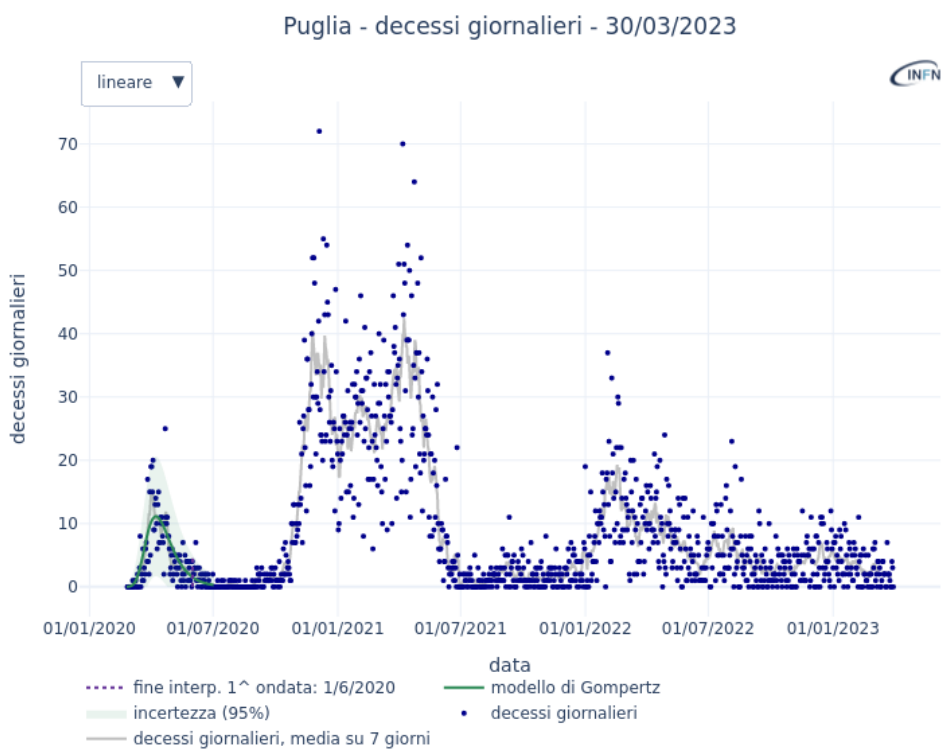


Fig. 433

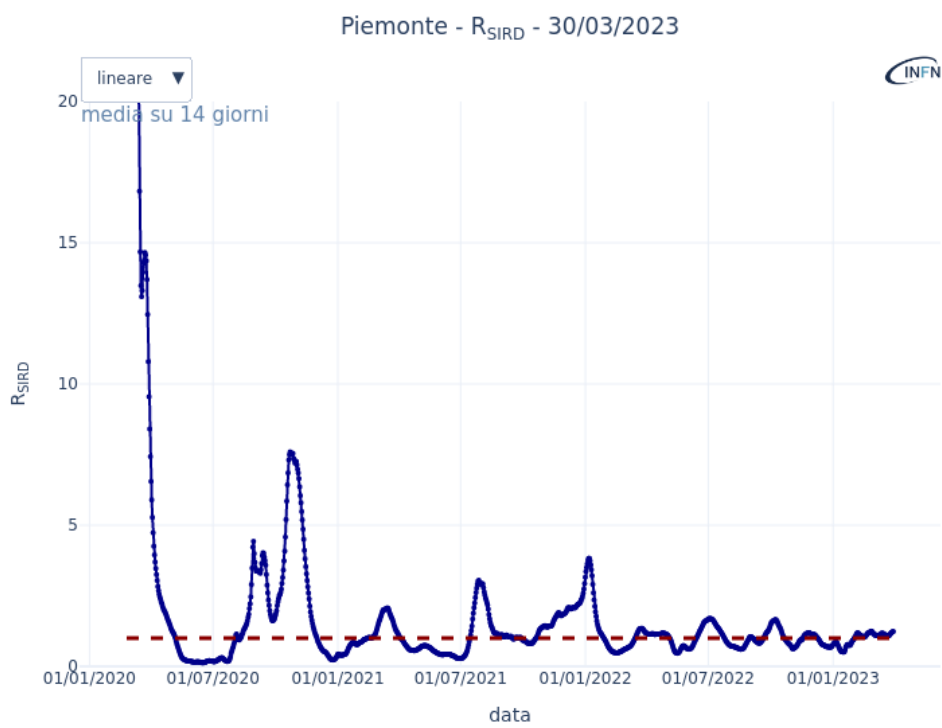


Fig. 434

Veneto - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

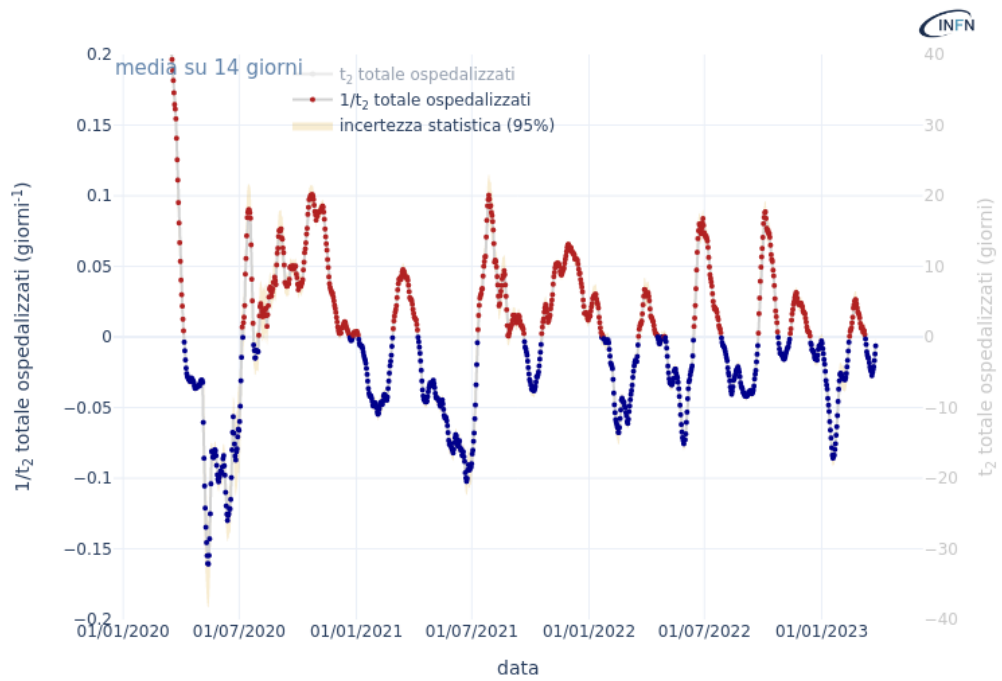


Fig. 435

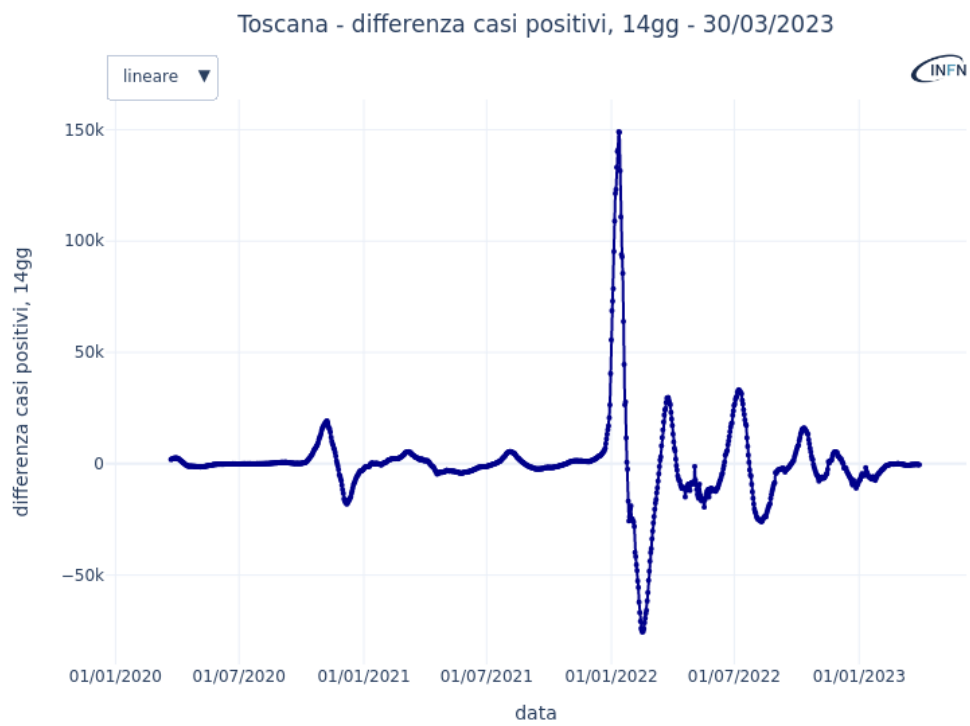


Fig. 436

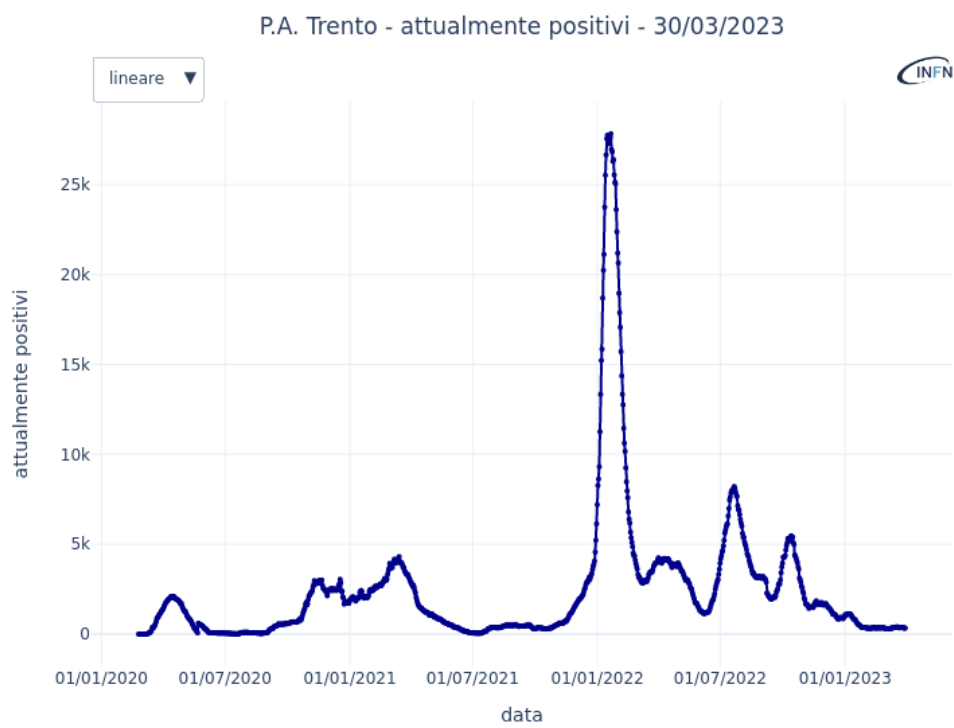
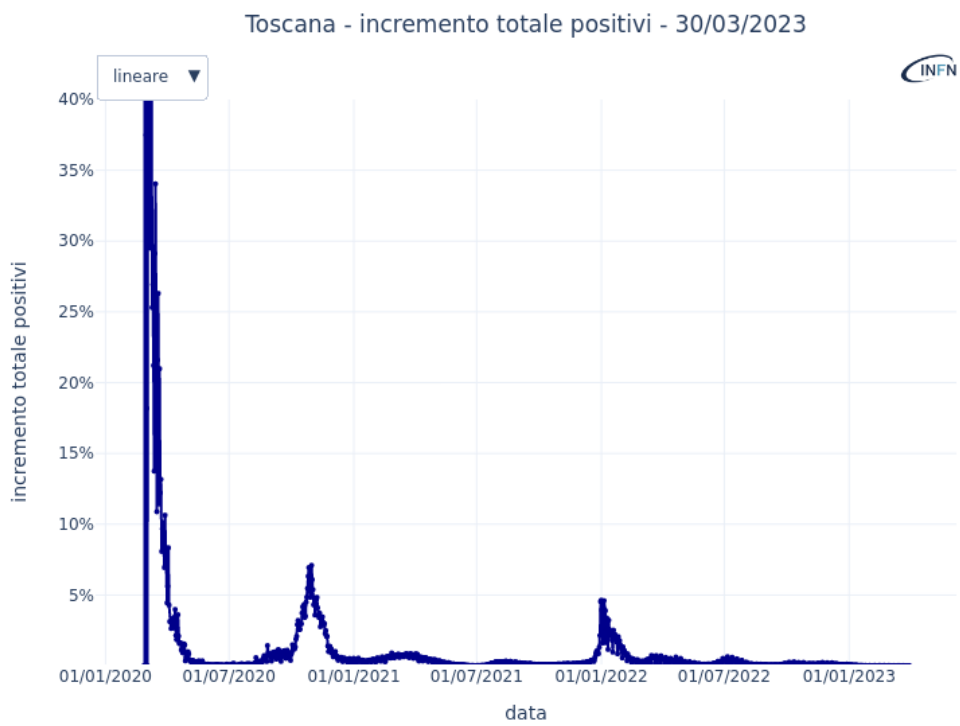


Fig. 437



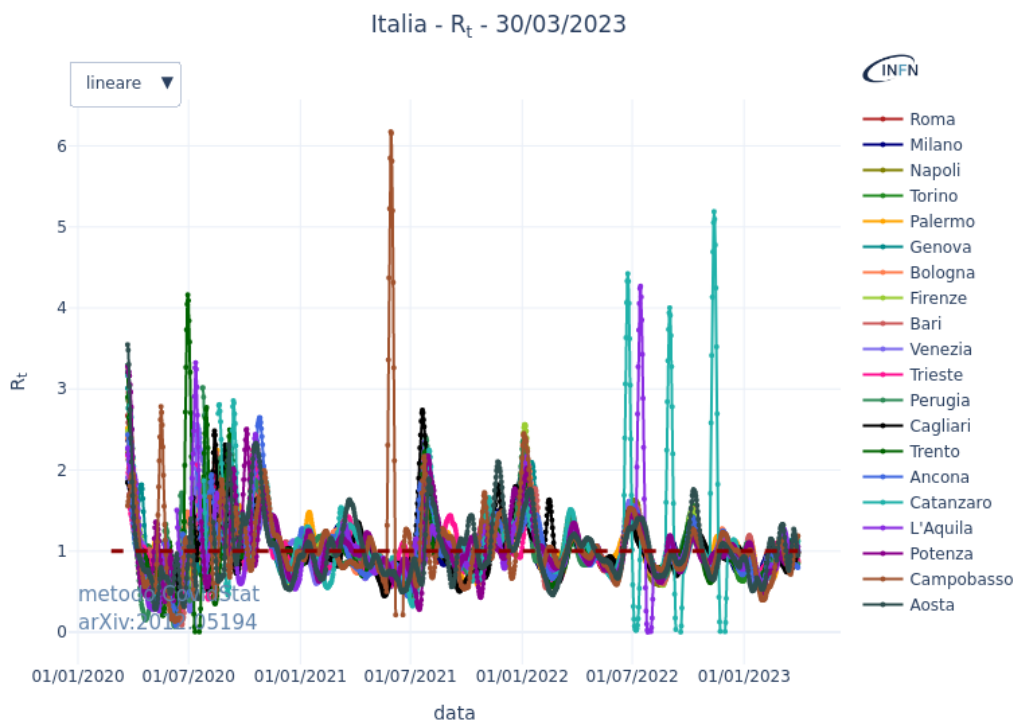


Fig. 439



Fig. 440



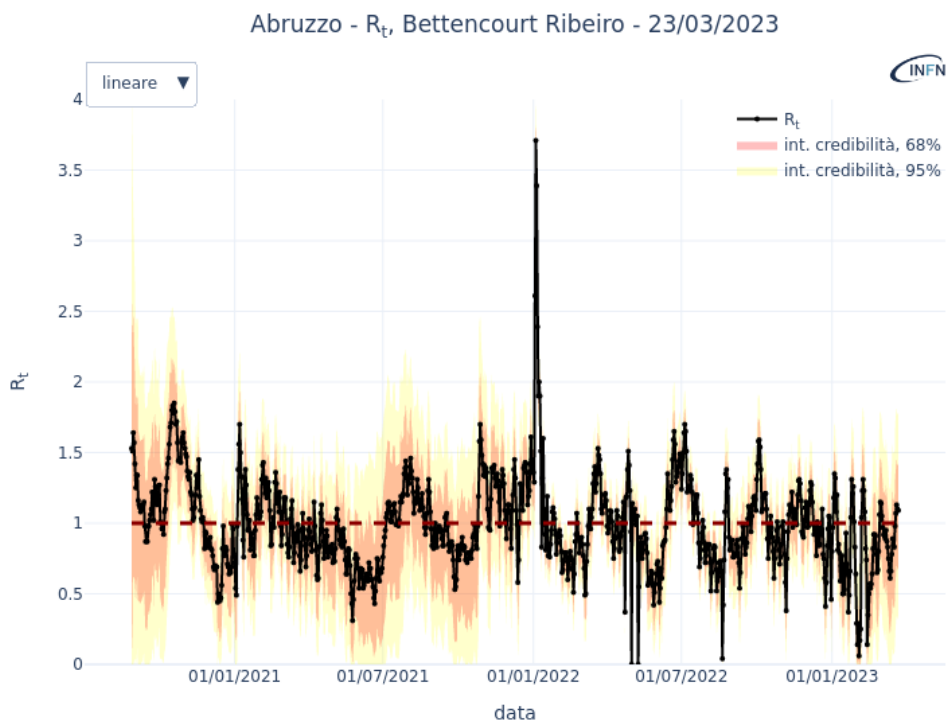


Fig. 441

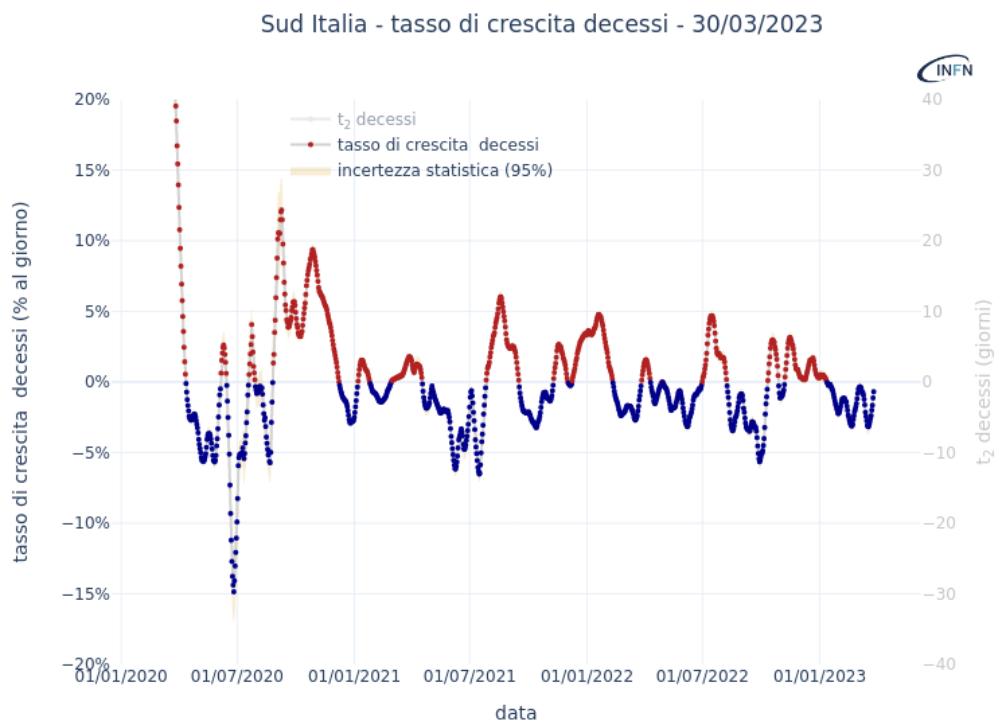


Fig. 442

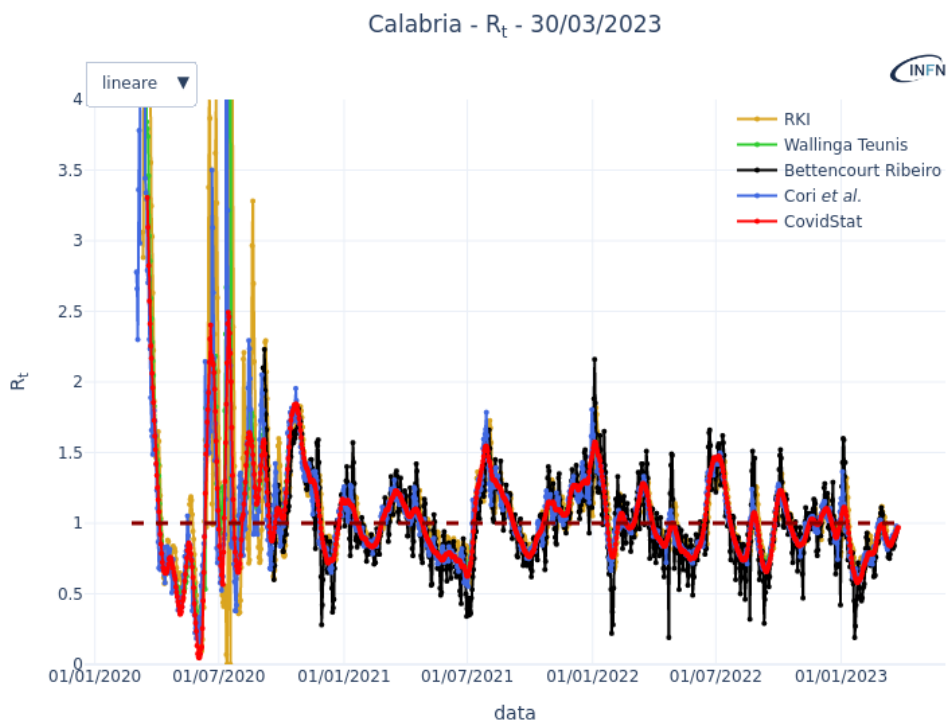


Fig. 443

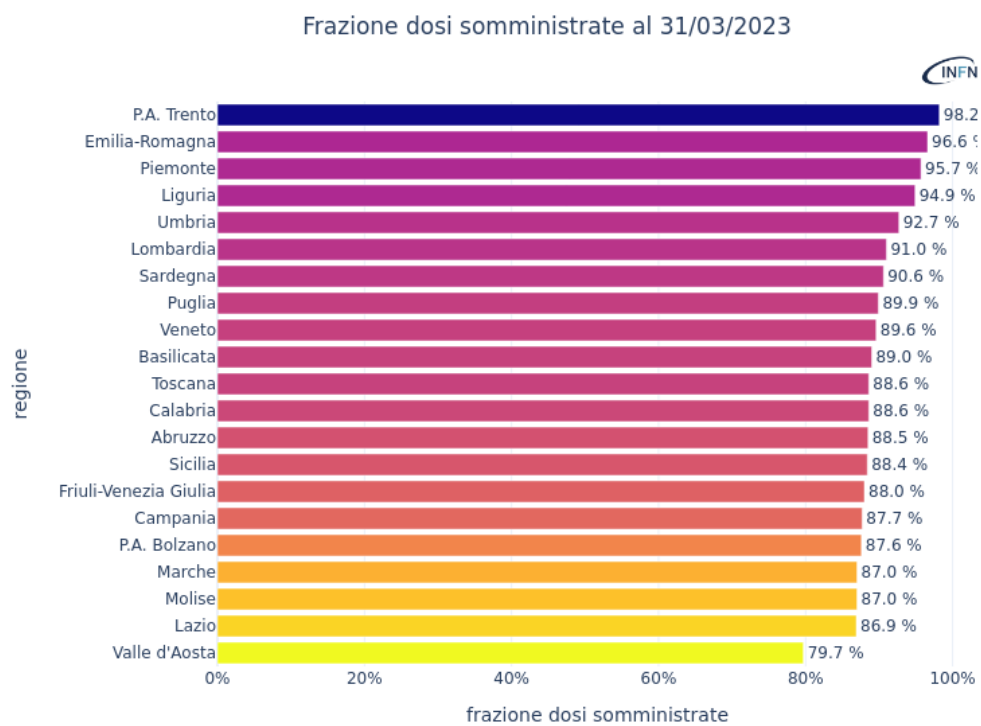


Fig. 444

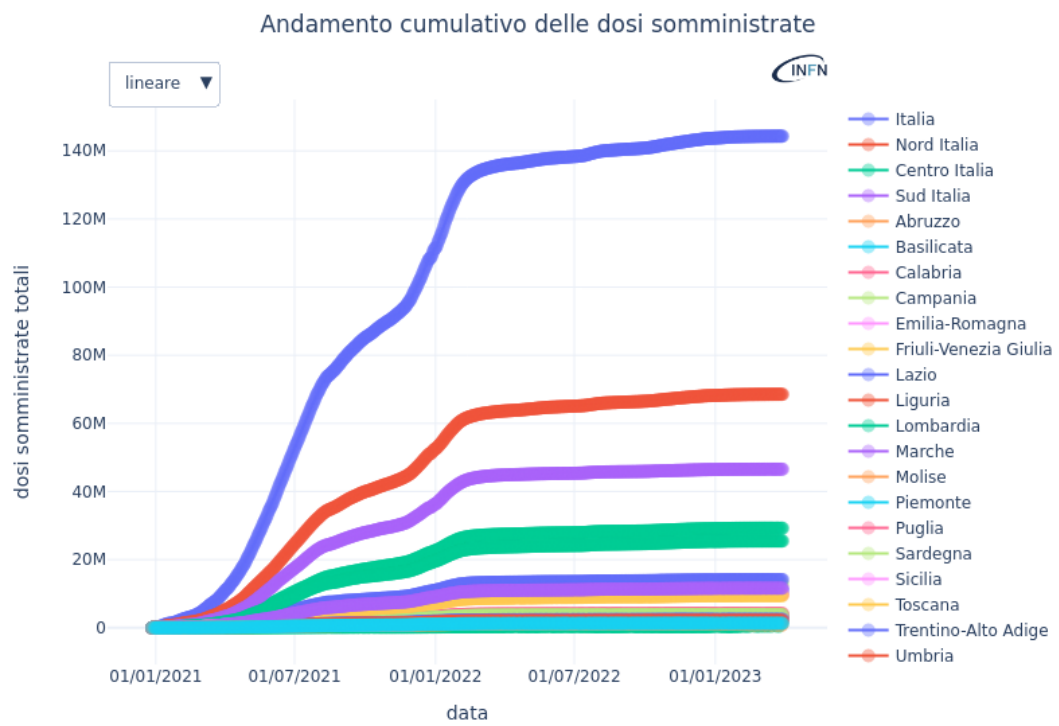
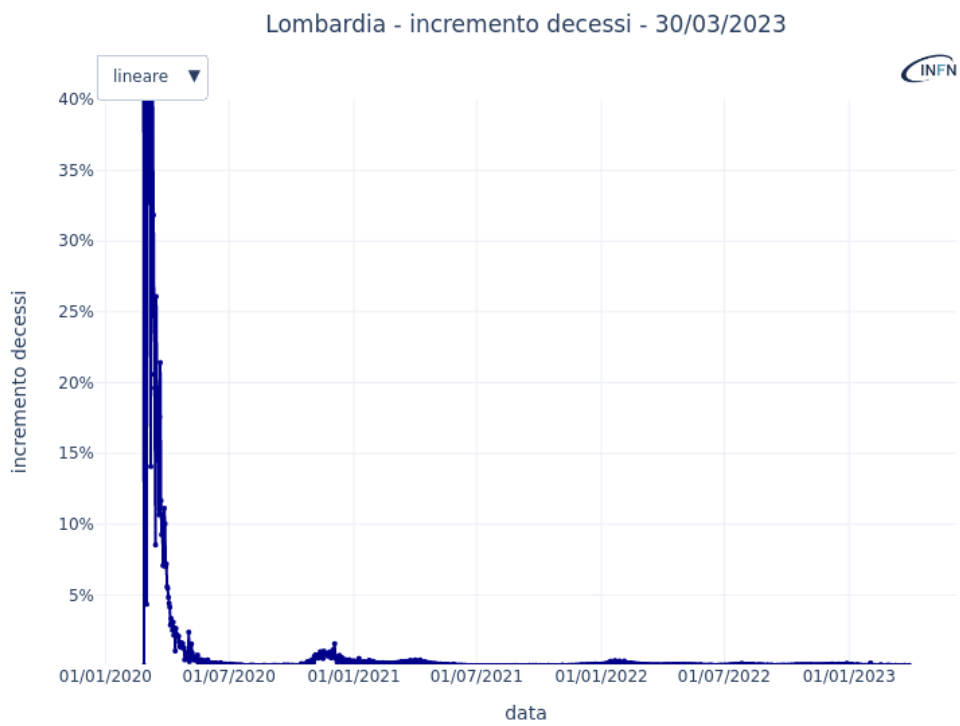


Fig. 445



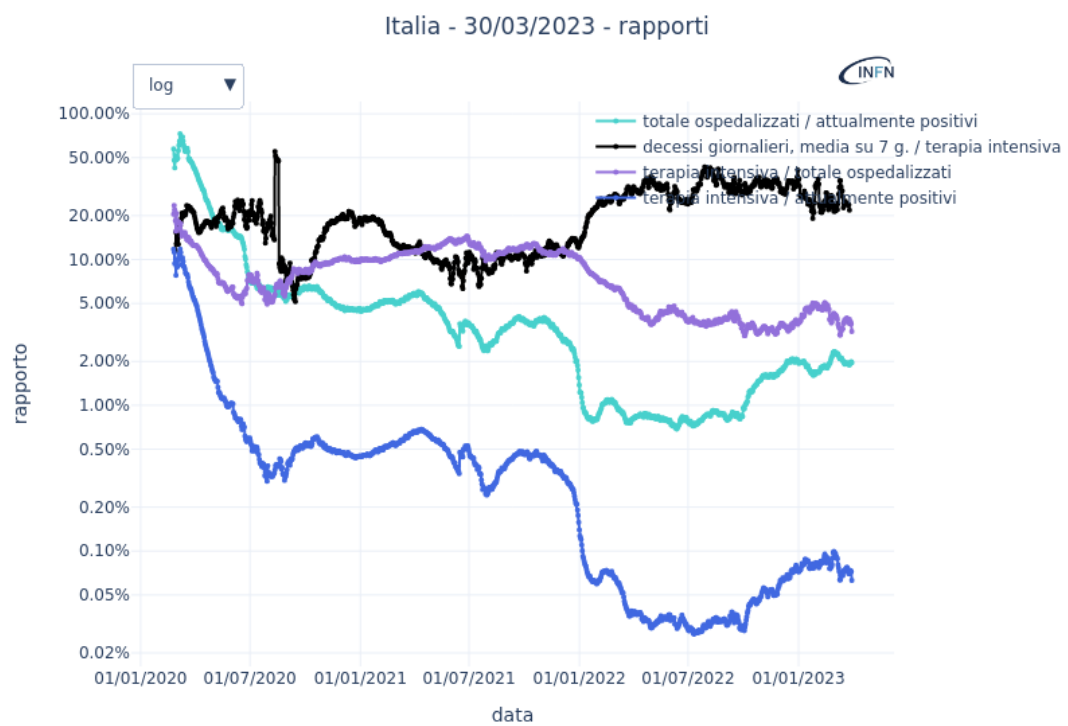


Fig. 447

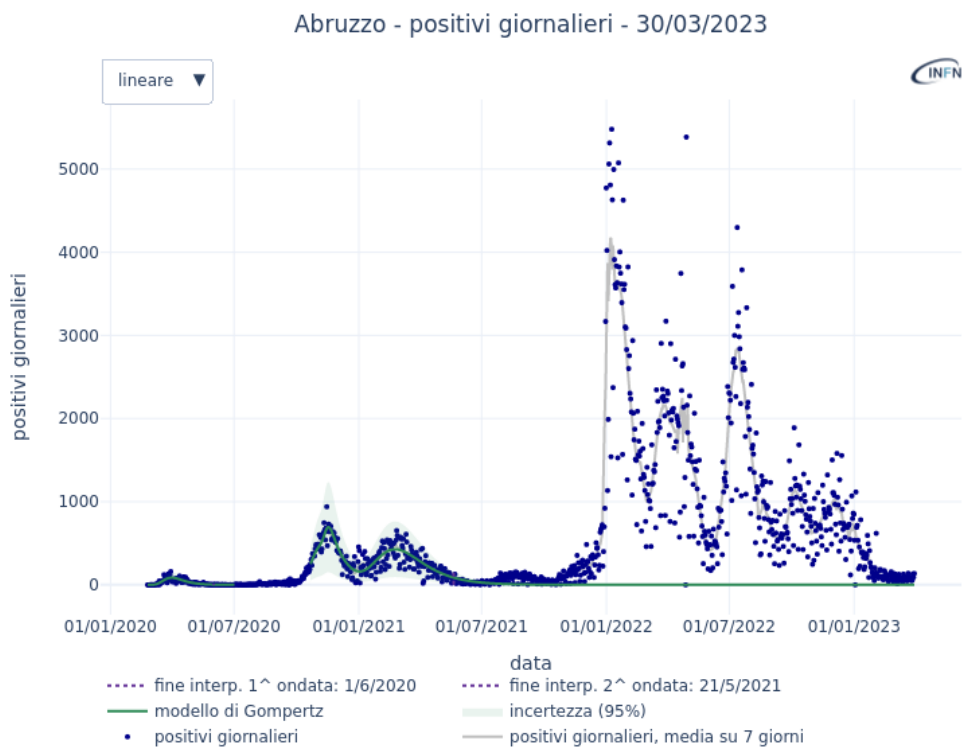


Fig. 448



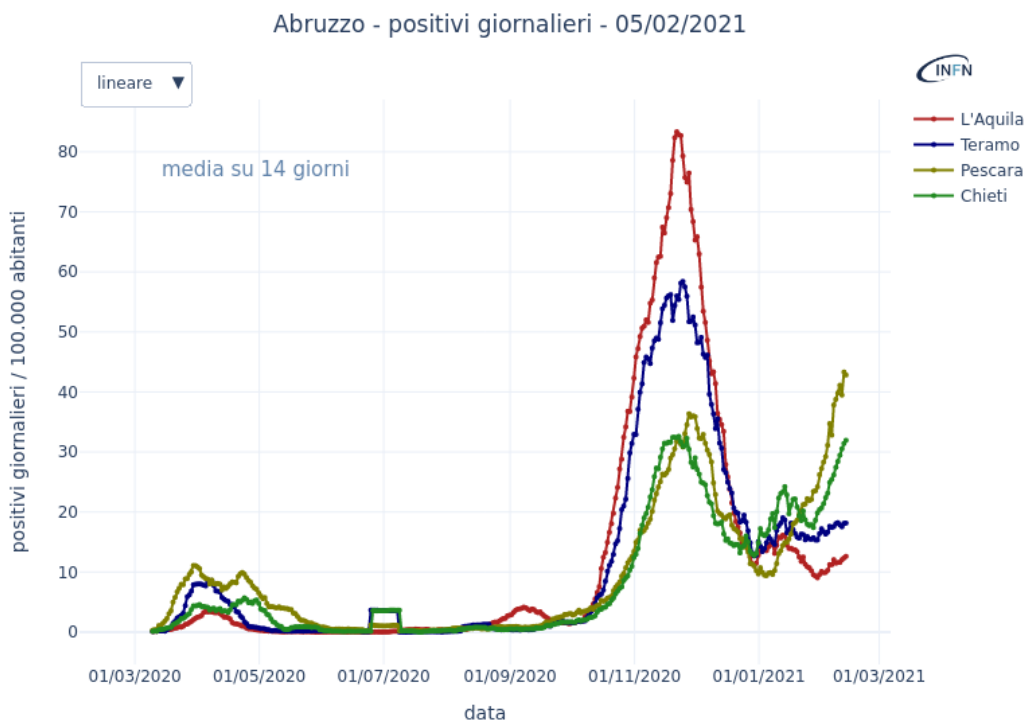


Fig. 449

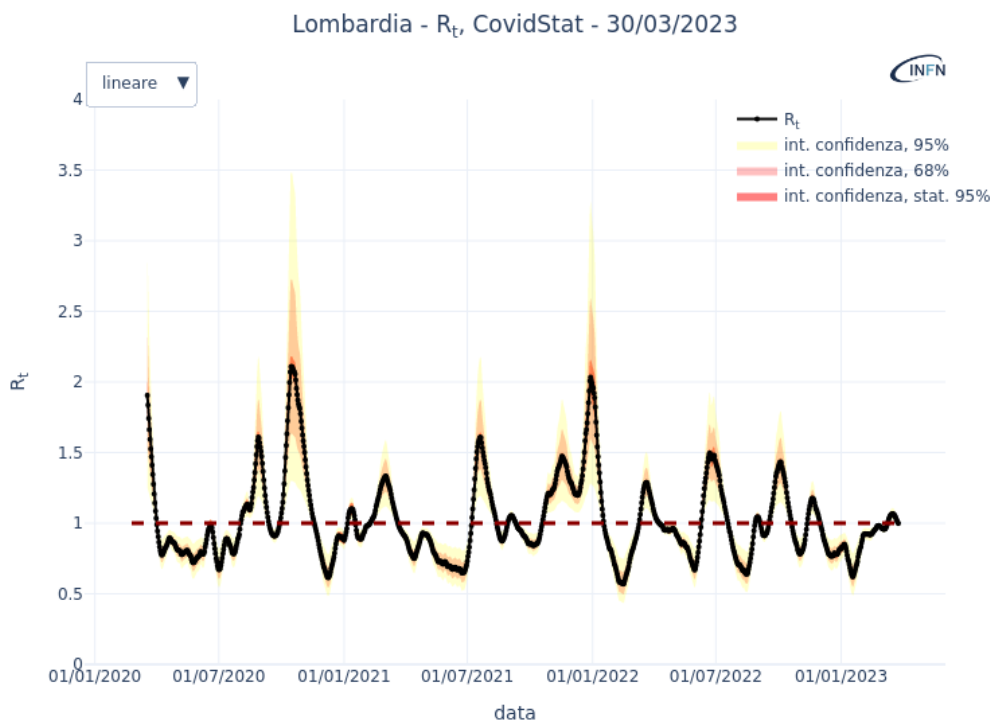


Fig. 450



Fig. 451

Marche - tempo di raddoppio terapia intensiva - 30/03/2023

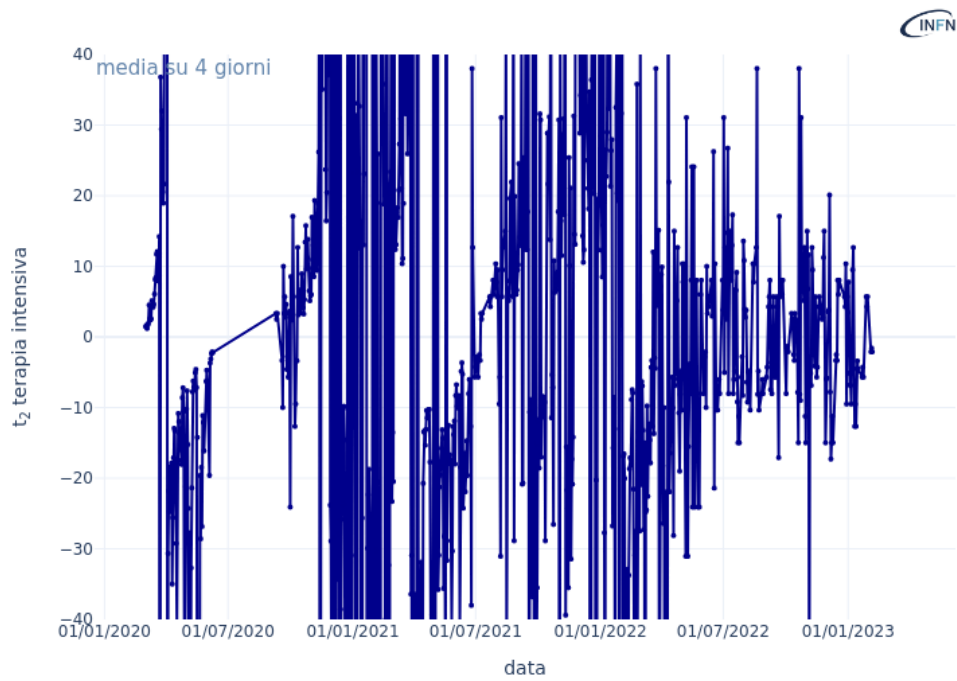


Fig. 452

Lazio - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

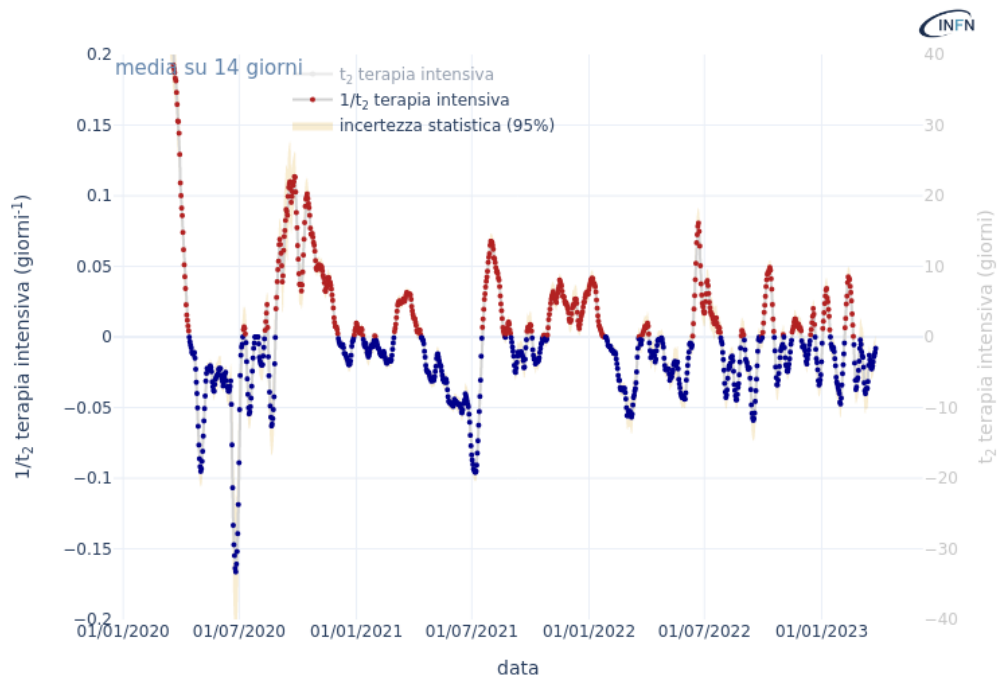


Fig. 453

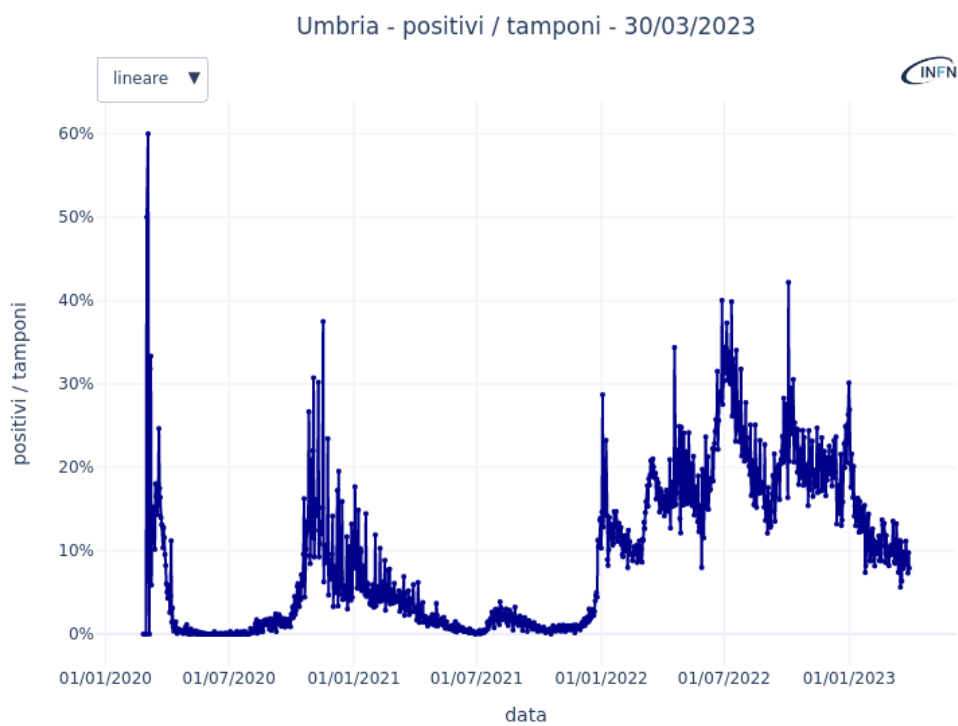


Fig. 454

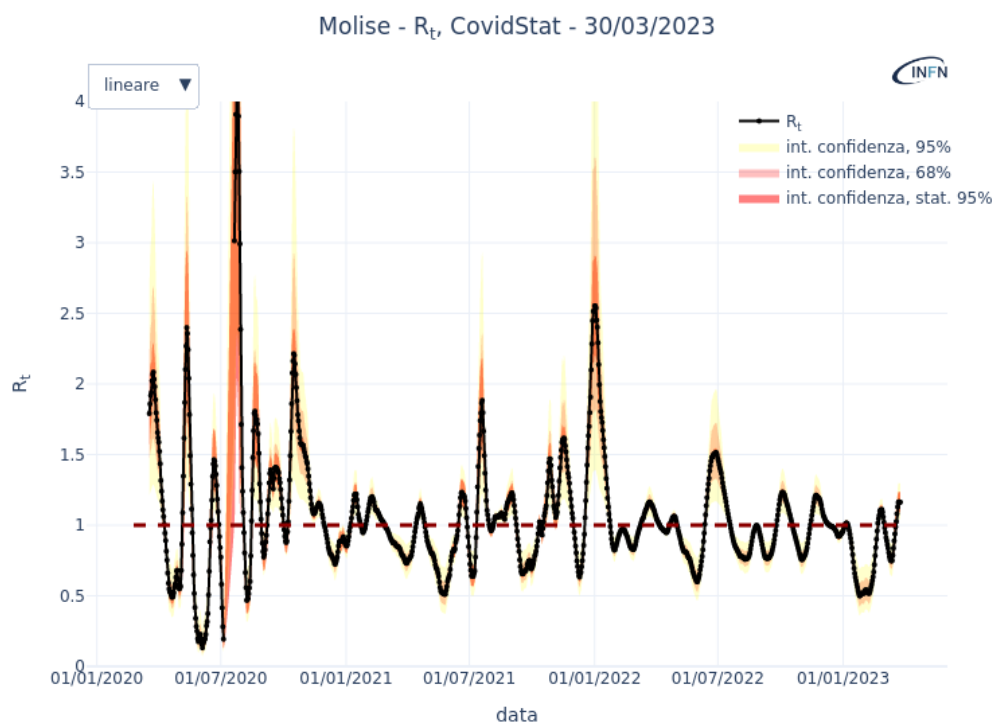


Fig. 455

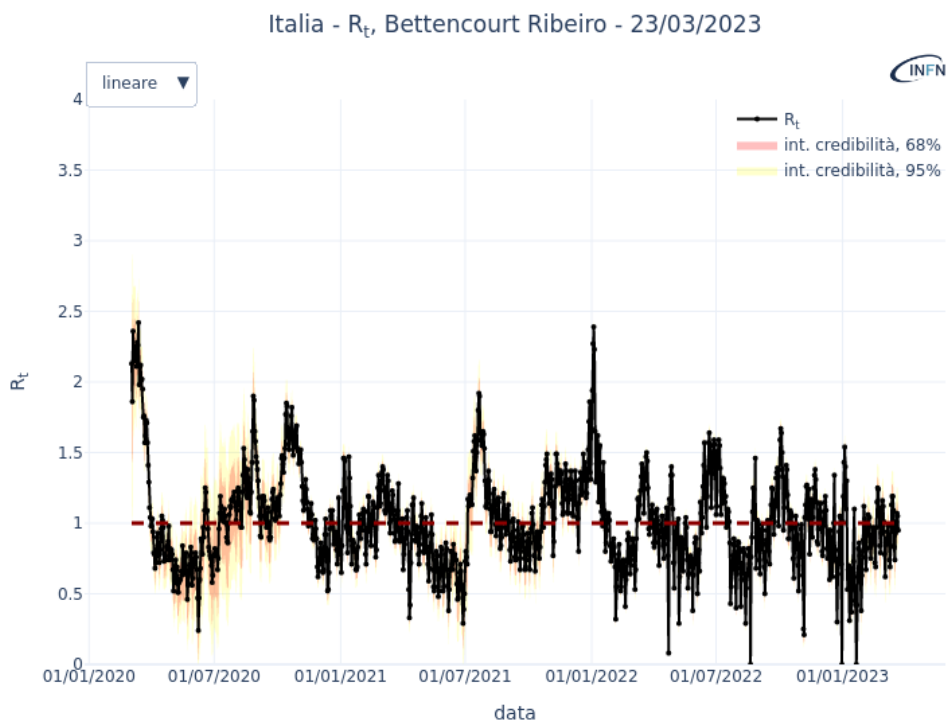


Fig. 456



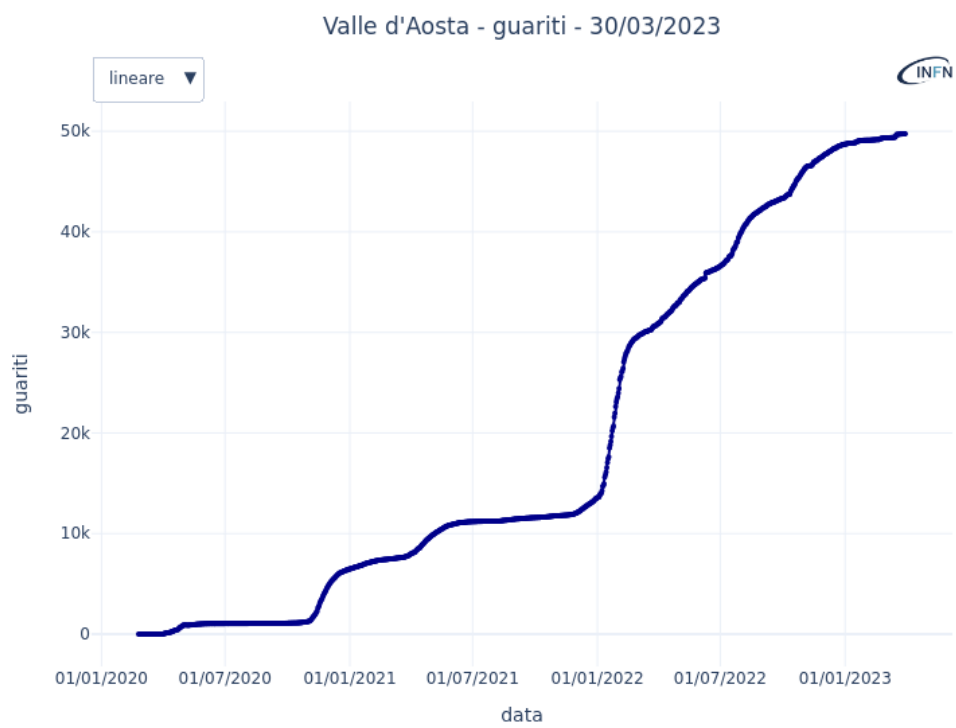


Fig. 457

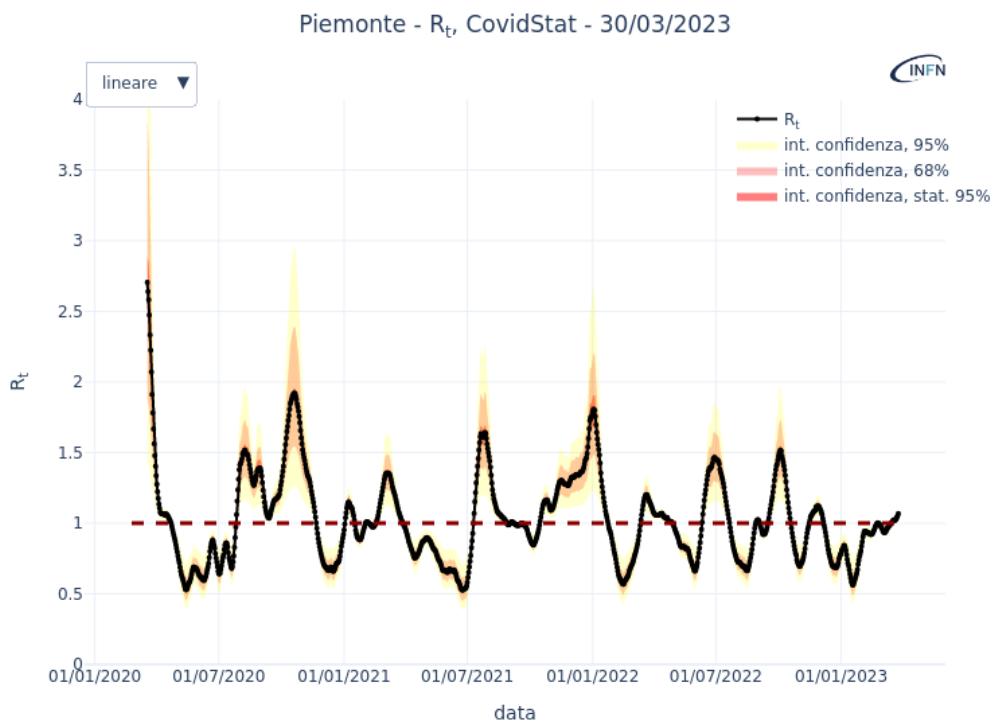


Fig. 458

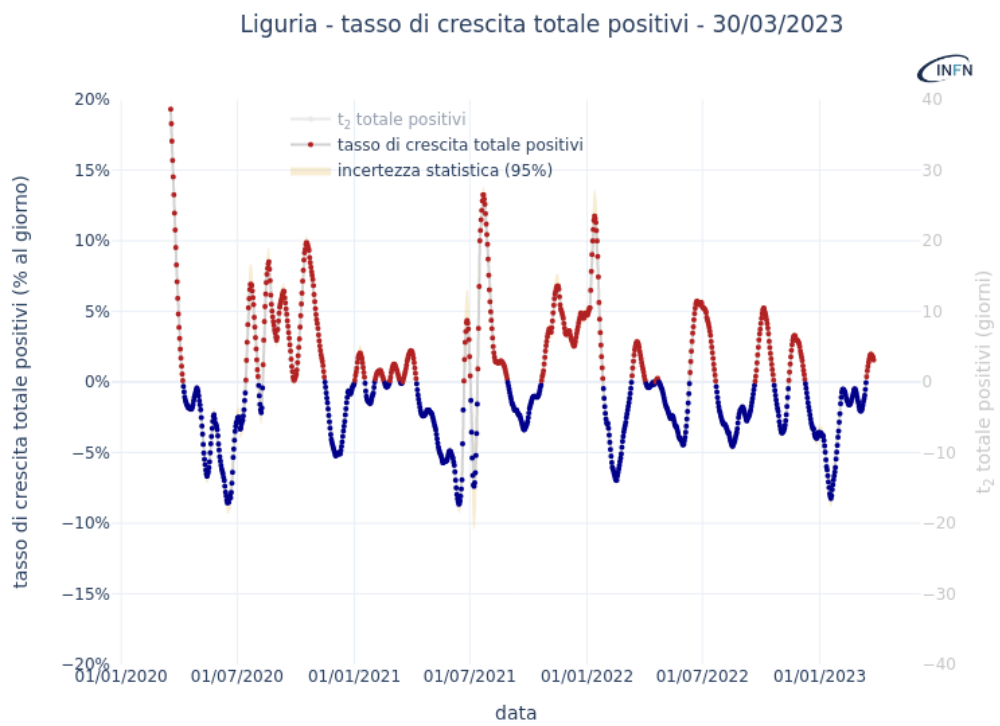


Fig. 459

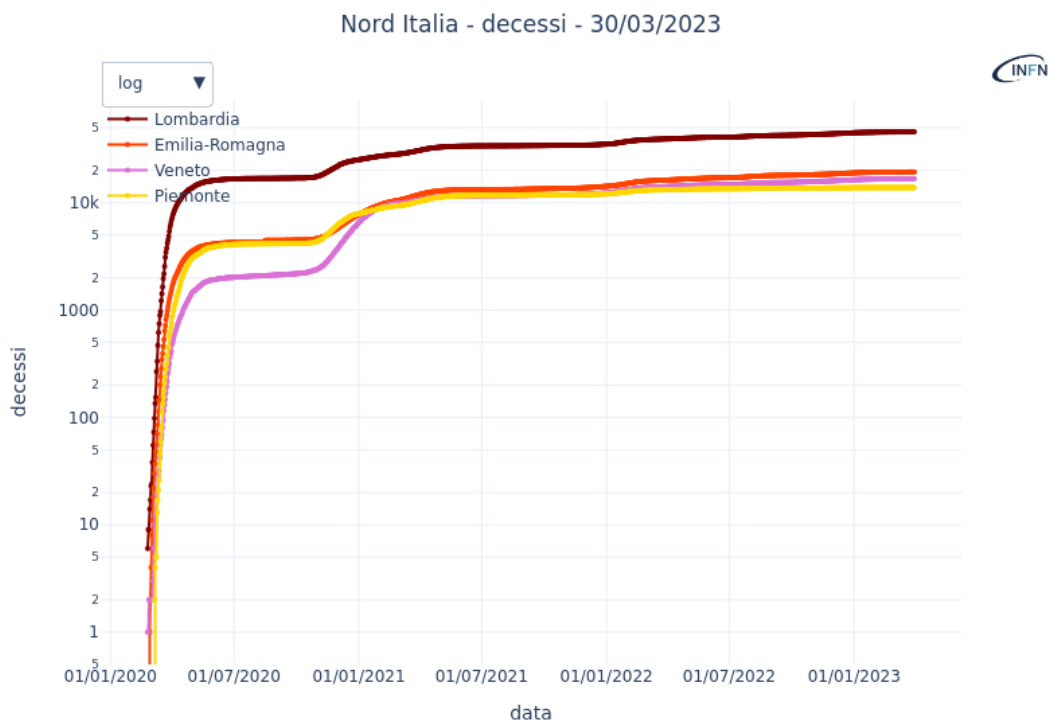


Fig. 460

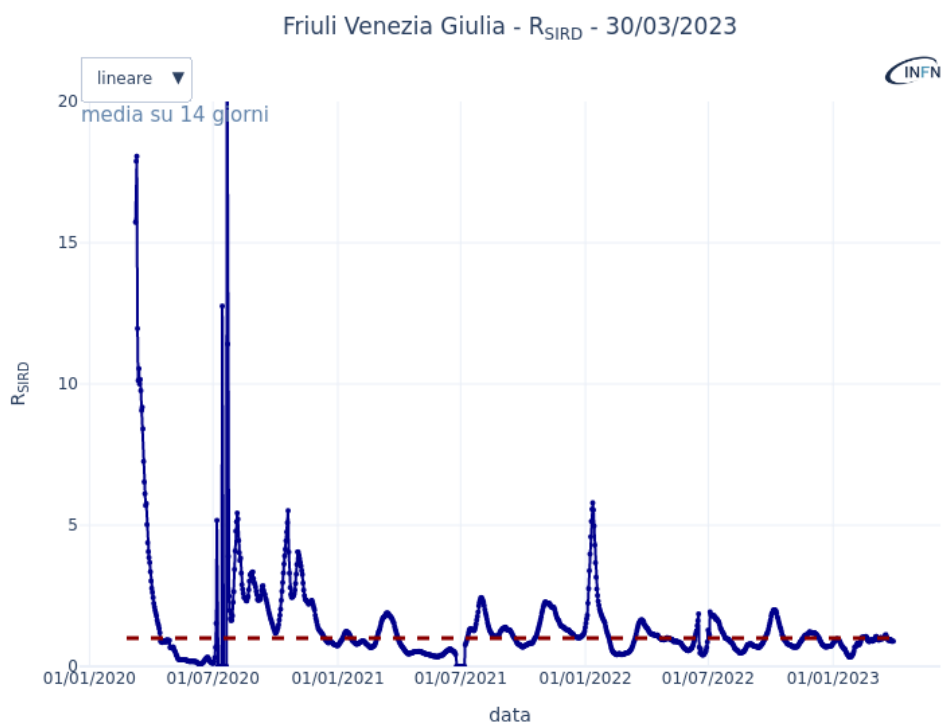


Fig. 461

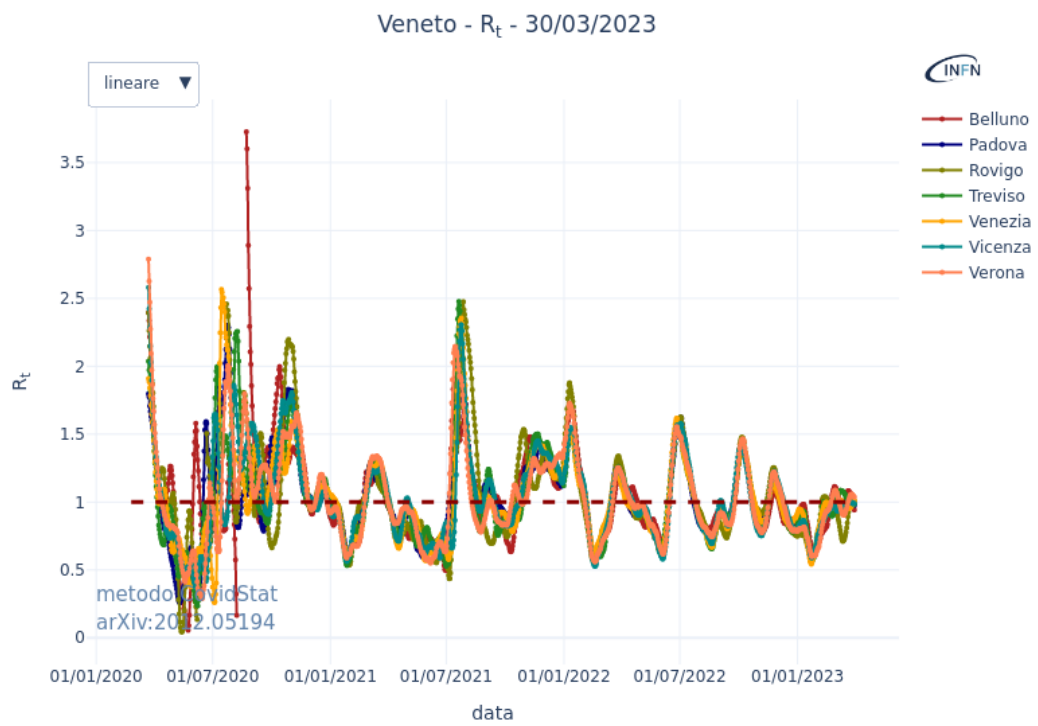


Fig. 462

Italia - positivi giornalieri - 30/03/2023

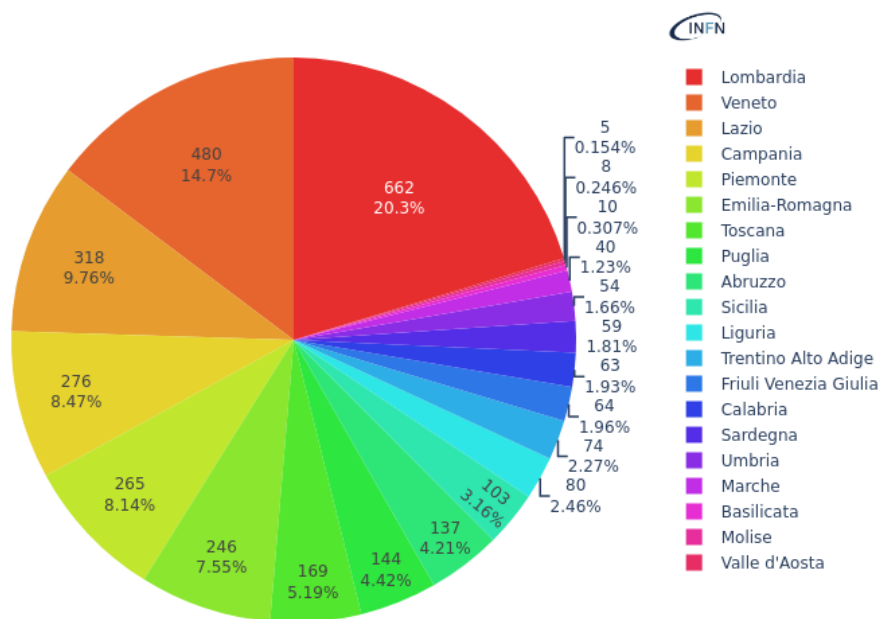


Fig. 463



Fig. 464



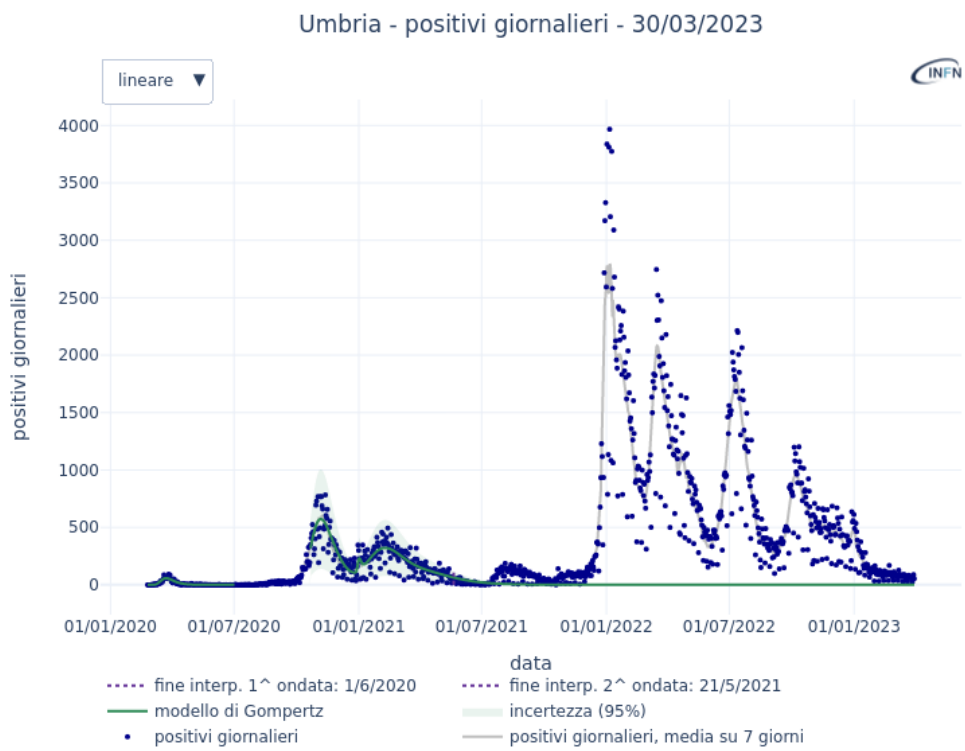


Fig. 465

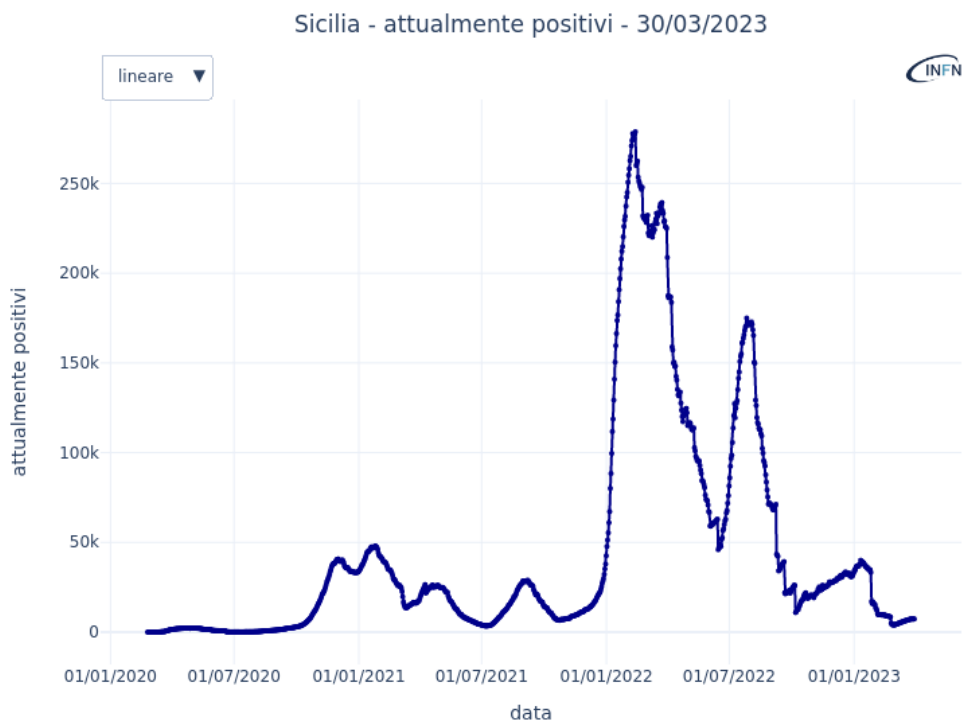


Fig. 466

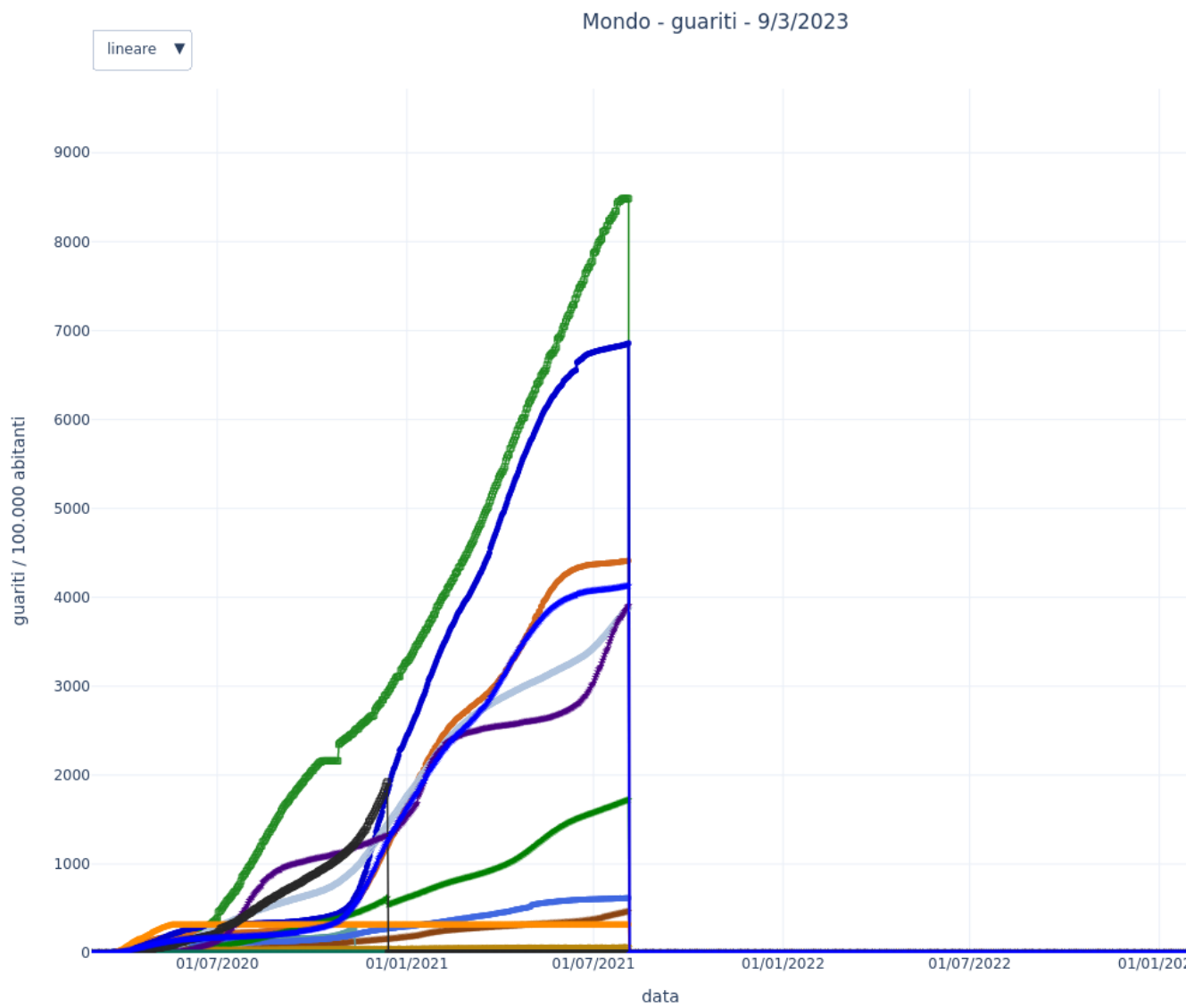


Fig. 467



Fig. 468

Molise - tasso di crescita totale ospedalizzati - 30/03/2023

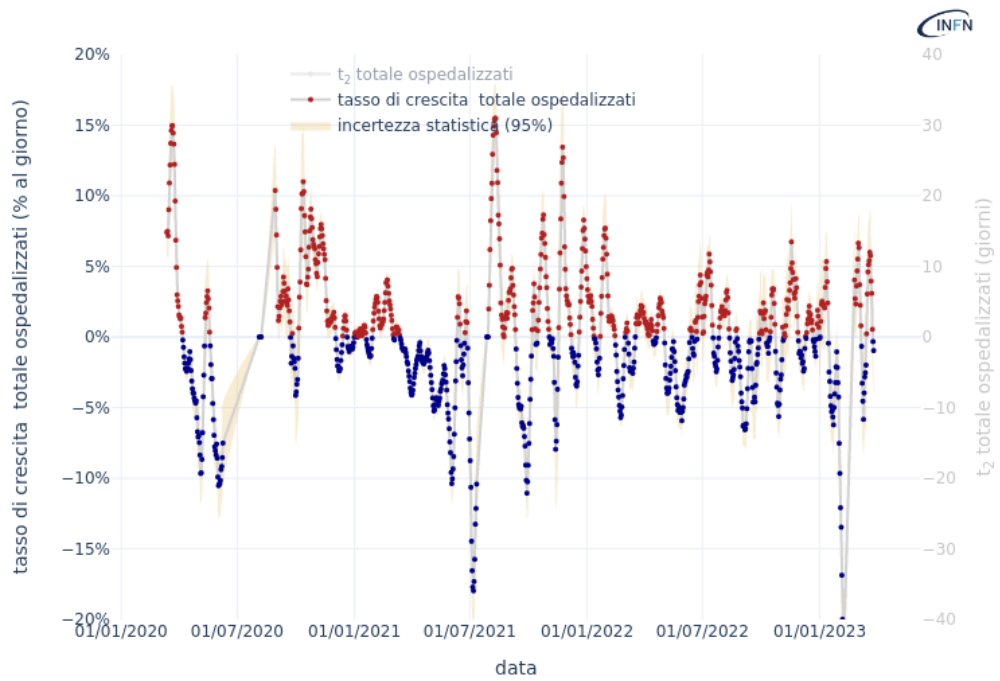


Fig. 469

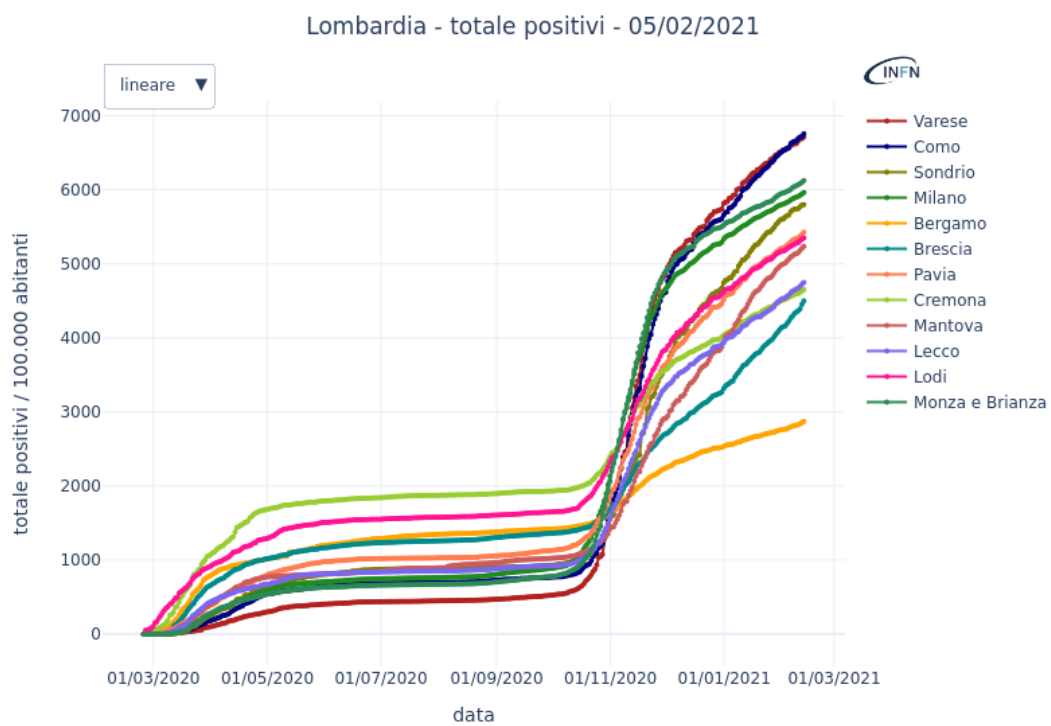


Fig. 470

Sardegna - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

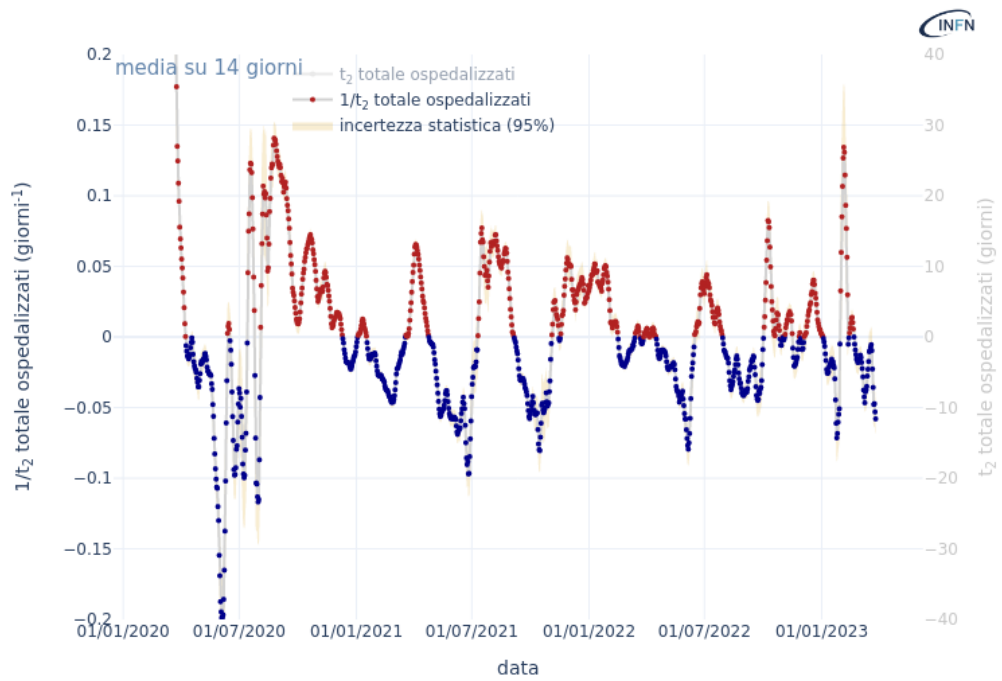


Fig. 471

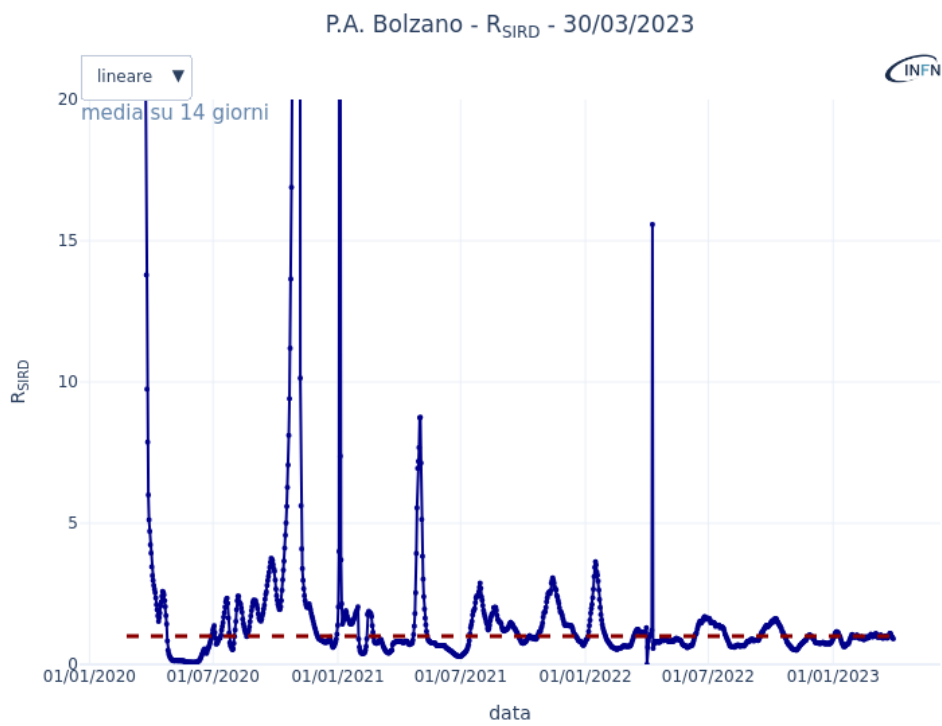


Fig. 472



Calabria - decessi - residui - 16/01/2021

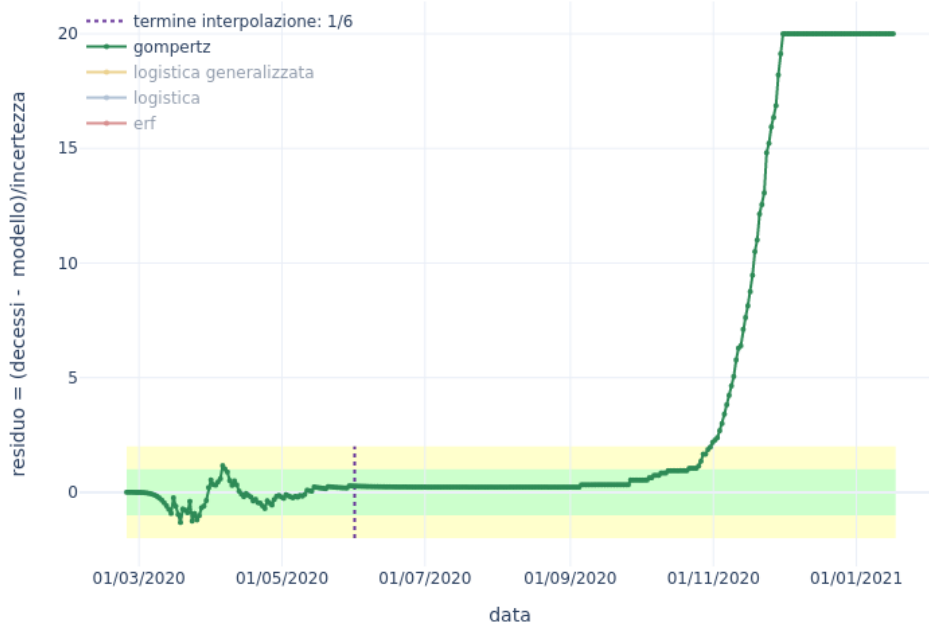


Fig. 473

P.A. Trento - decessi giornalieri - residui - 30/03/2023

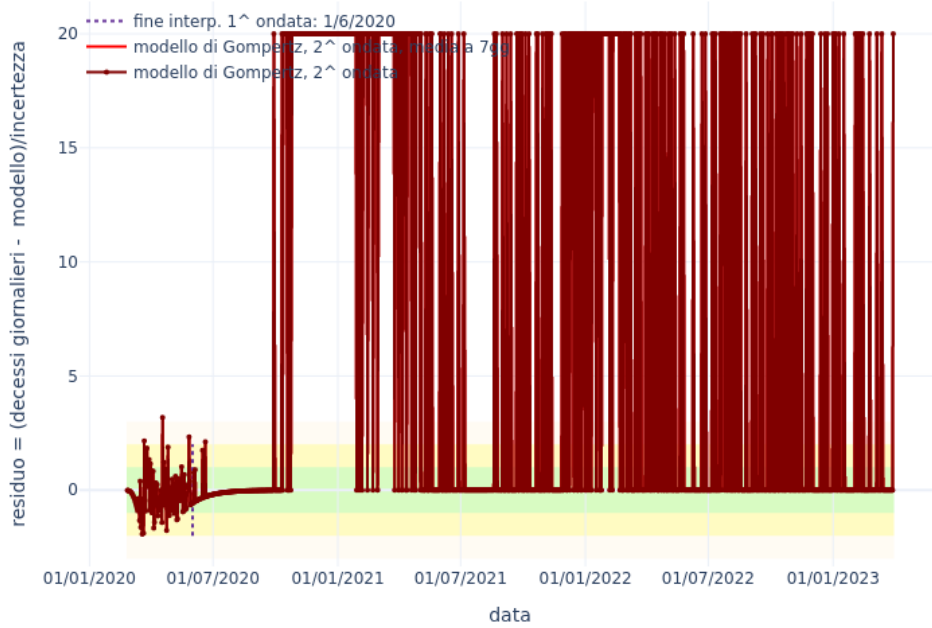


Fig. 474

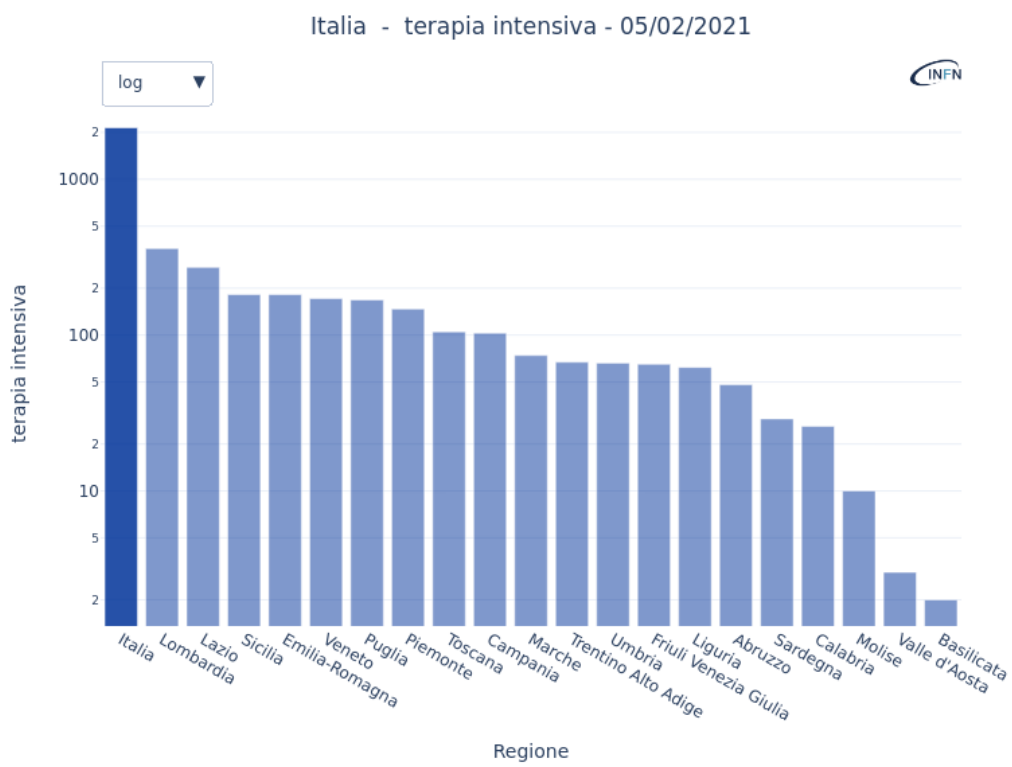


Fig. 475

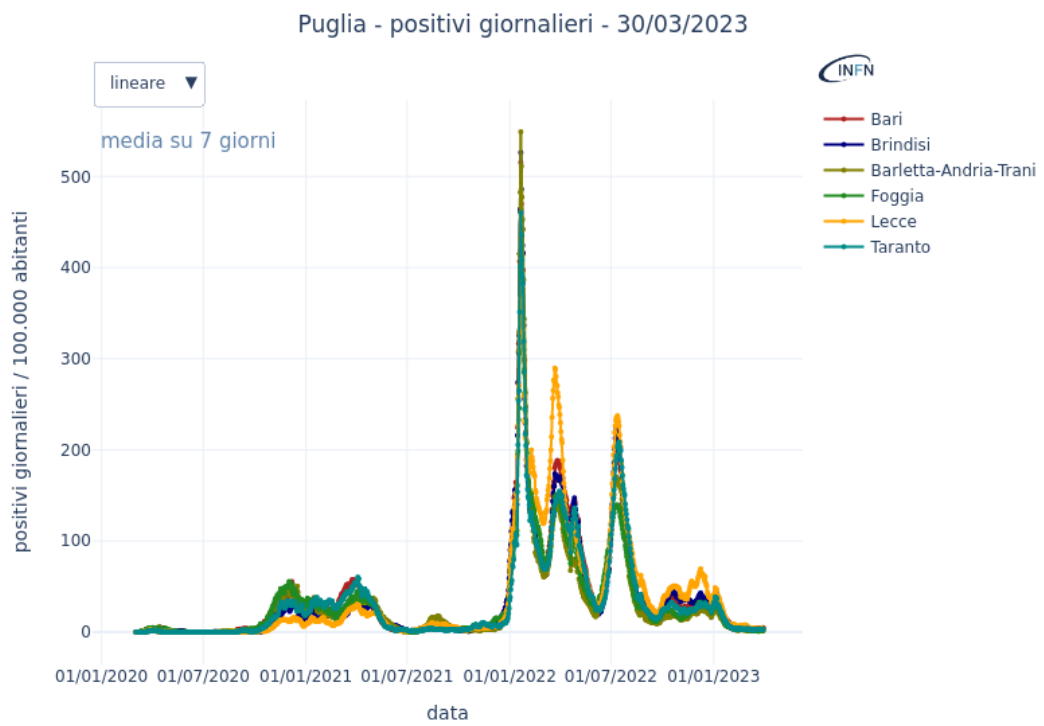


Fig. 476

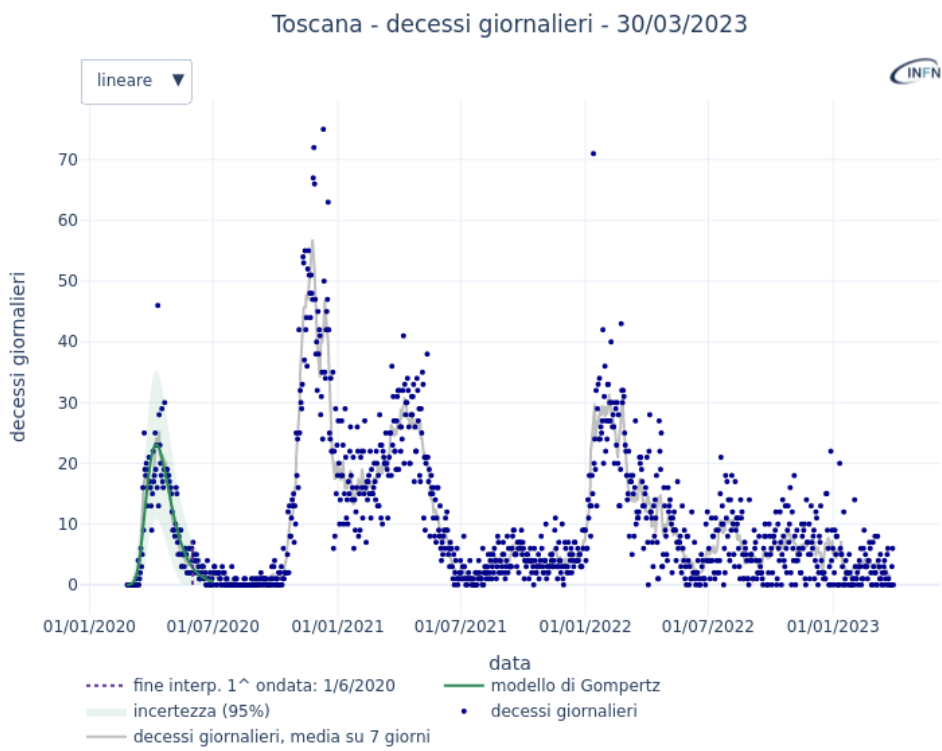


Fig. 477

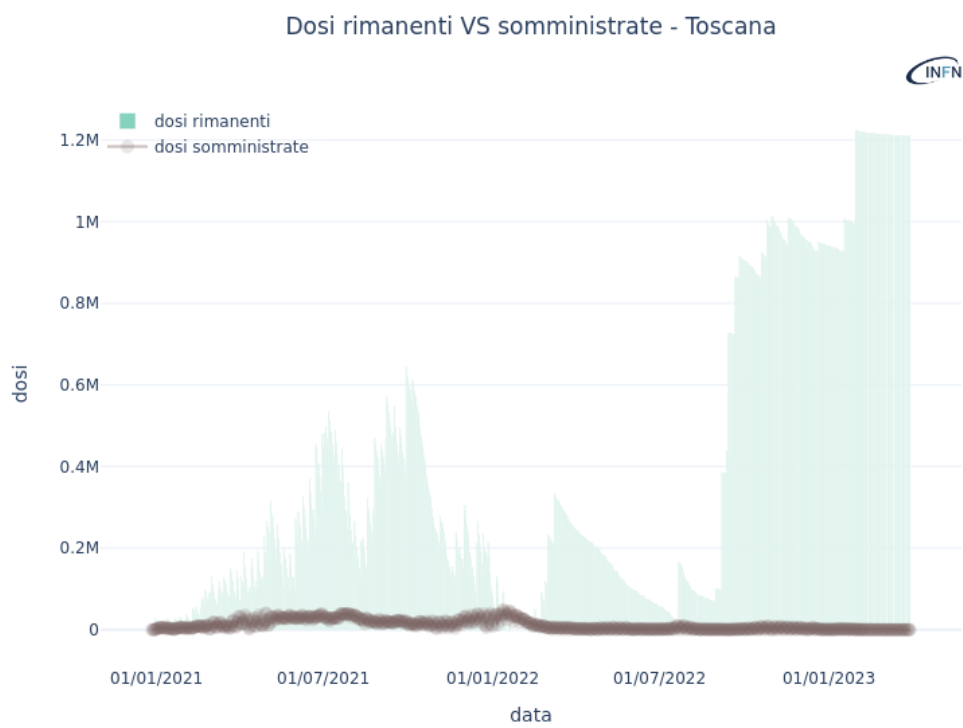


Fig. 478

Friuli Venezia Giulia - tempo di raddoppio (inverso) totale positivi - 30/03/2023

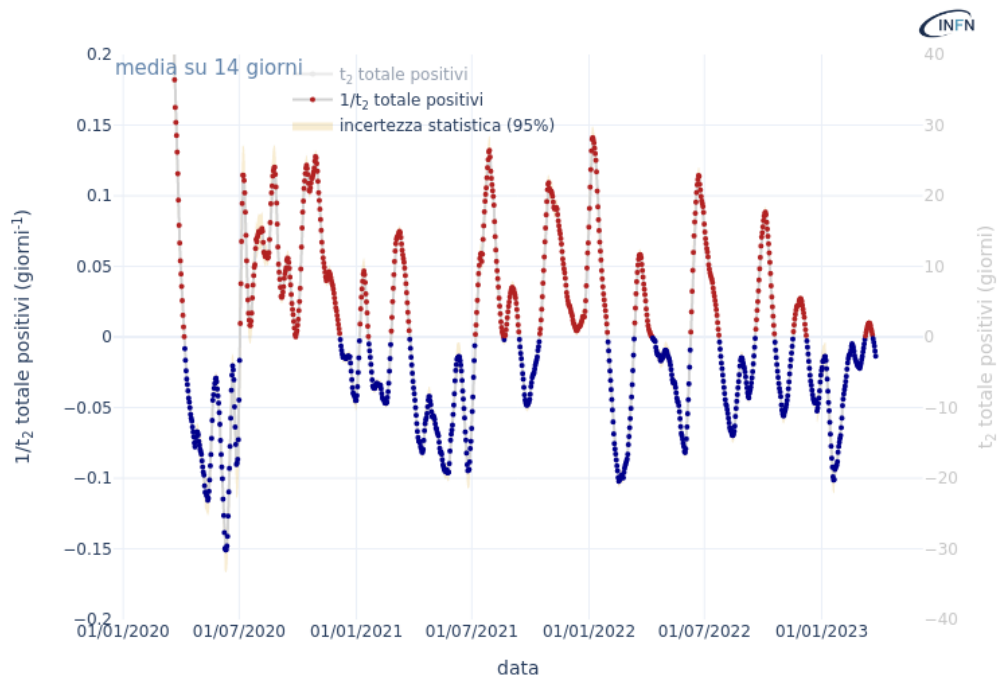


Fig. 479

Molise - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

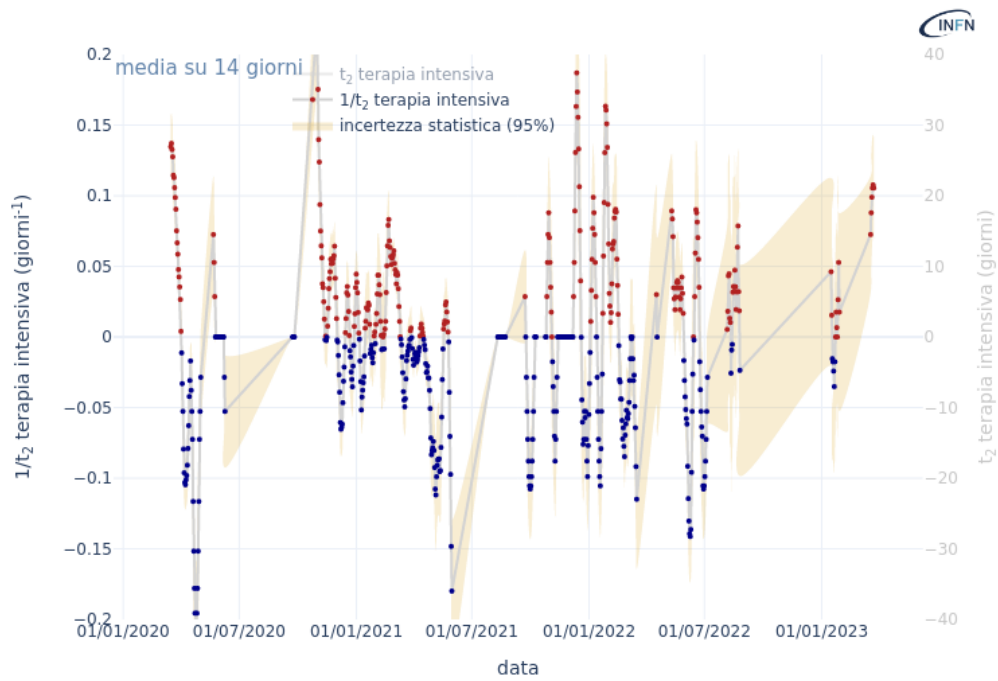


Fig. 480



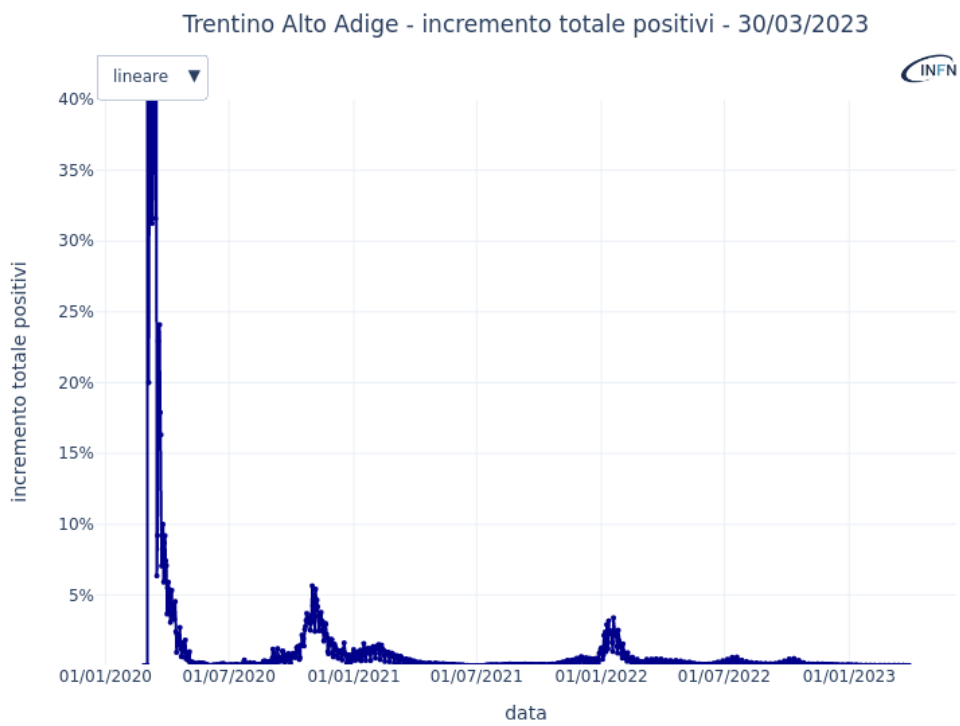


Fig. 481

Lombardia - tempo di raddoppio terapia intensiva - 30/03/2023

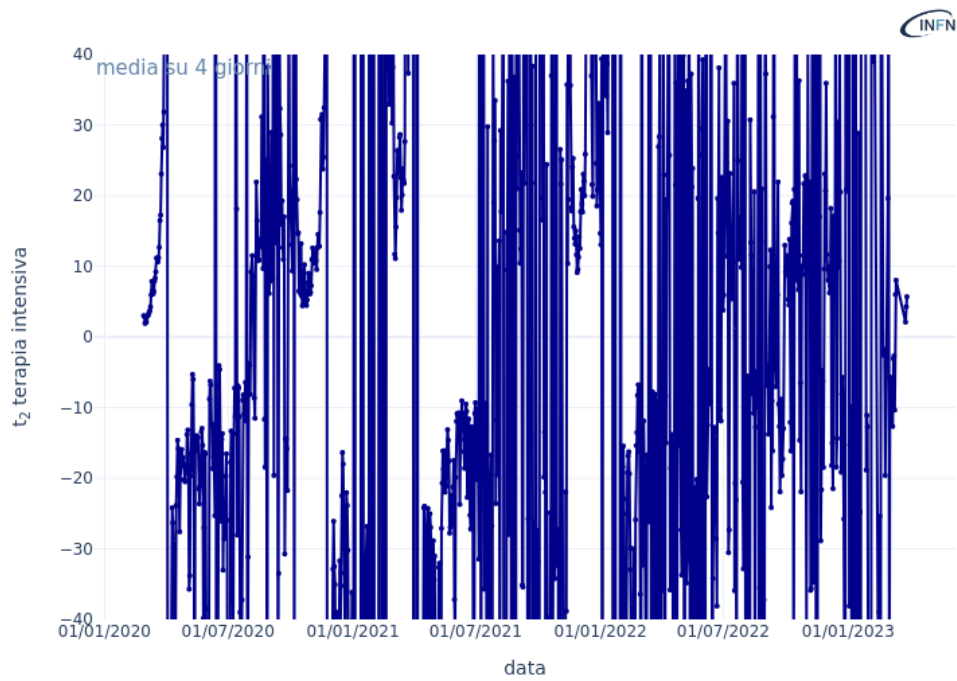


Fig. 482

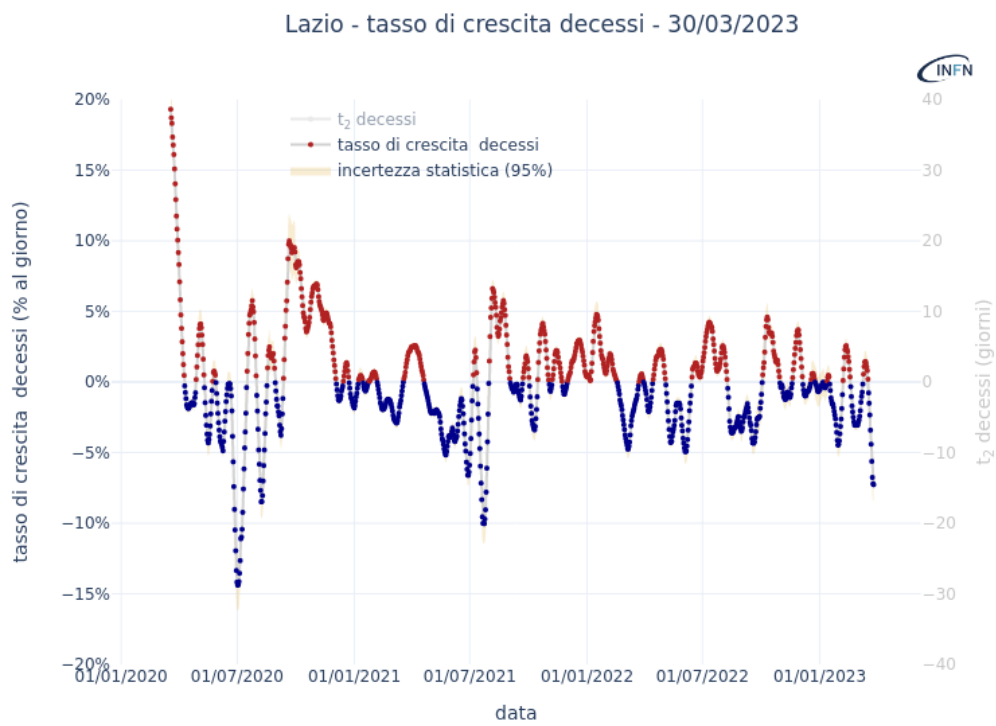


Fig. 483

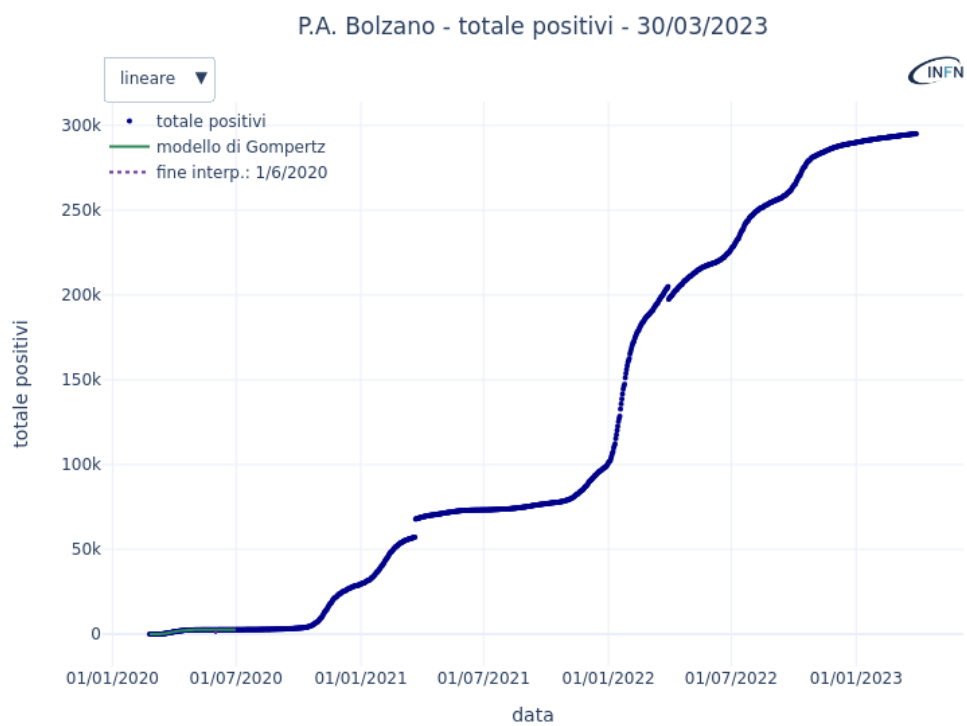


Fig. 484

Marche - tasso di crescita totale ospedalizzati - 30/03/2023

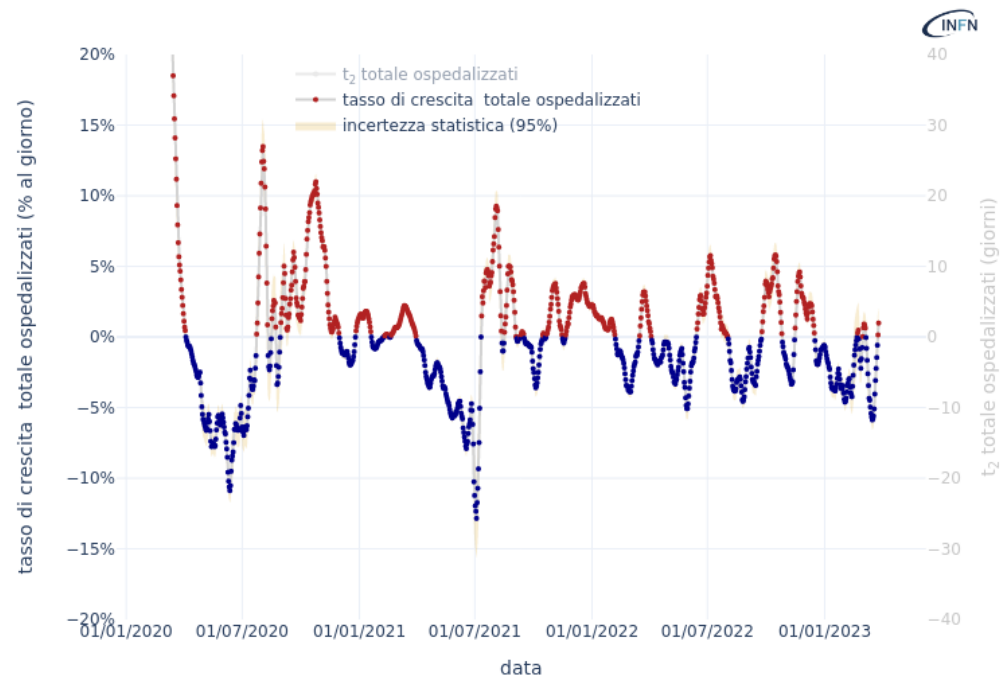


Fig. 485

Veneto - decessi giornalieri - residui - 30/03/2023

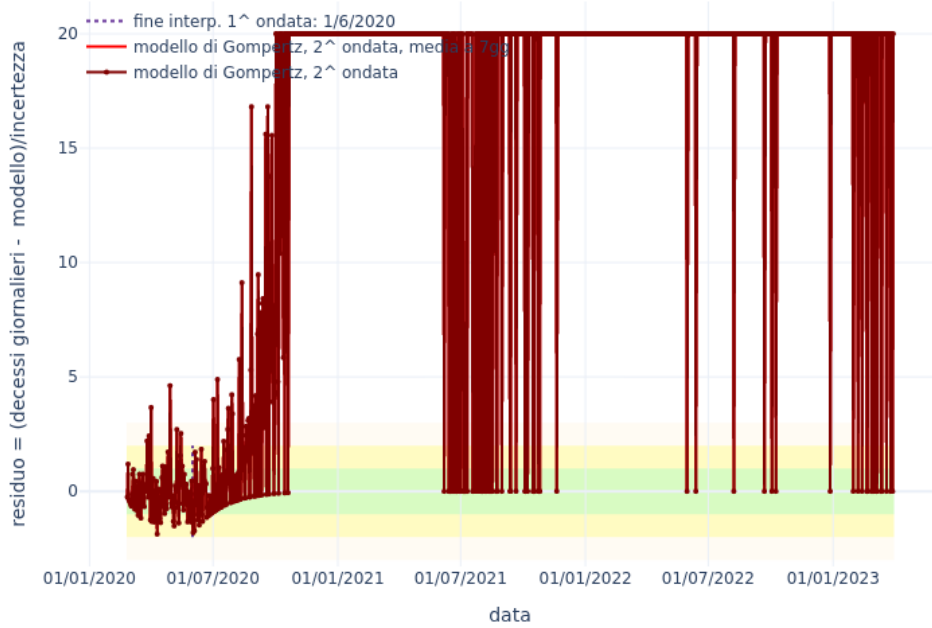


Fig. 486

Piemonte - decessi giornalieri - residui - 30/03/2023

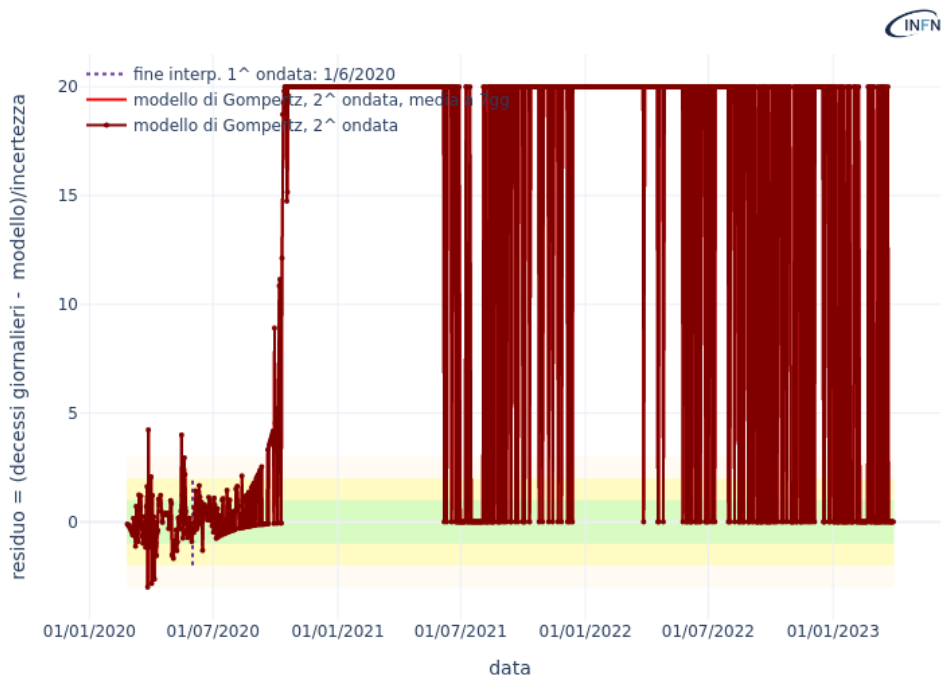


Fig. 487

Basilicata - decessi - residui - 16/01/2021

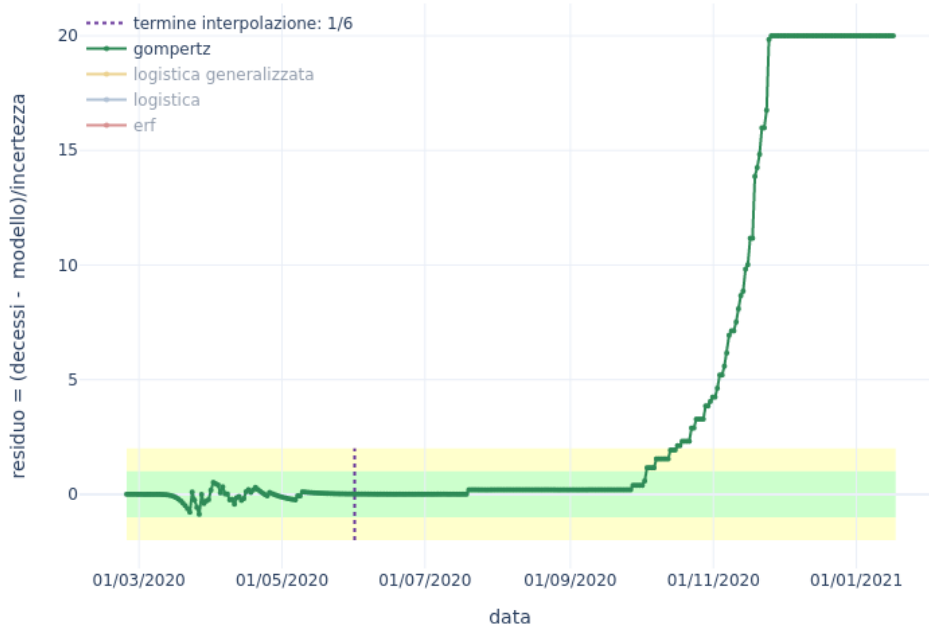


Fig. 488



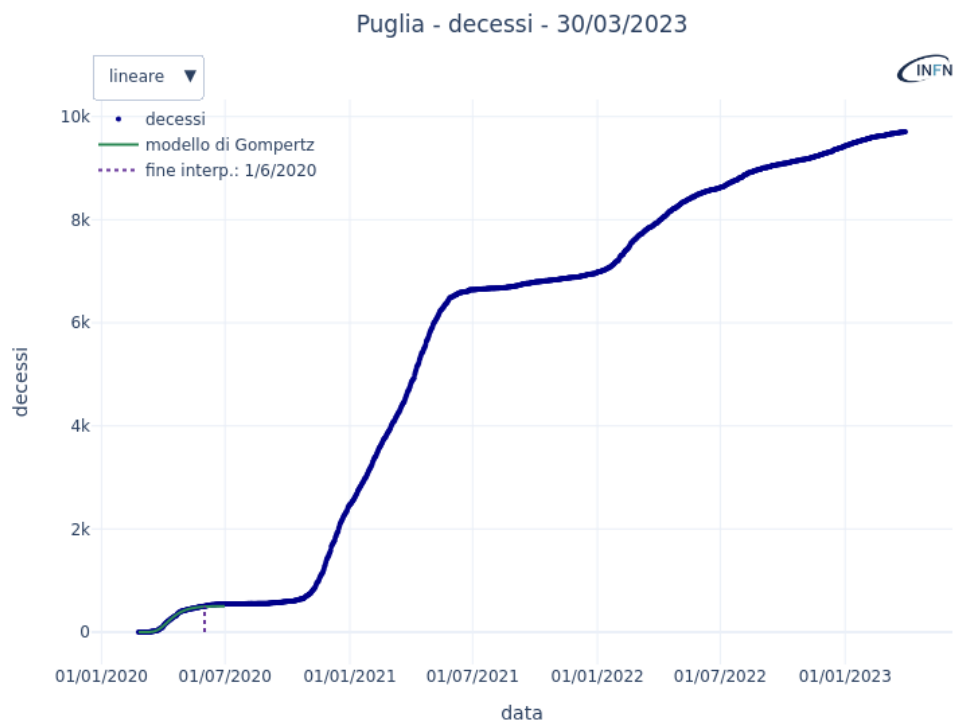


Fig. 489

Emilia-Romagna - tempo di raddoppio terapia intensiva - 30/03/2023

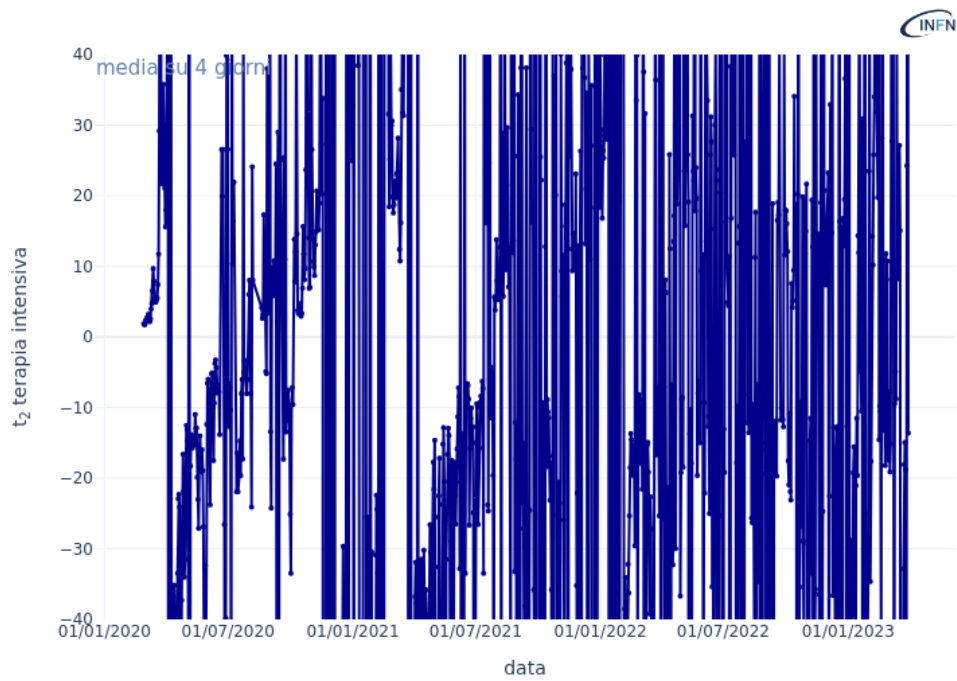


Fig. 490

Lombardia - decessi giornalieri - residui - 30/03/2023

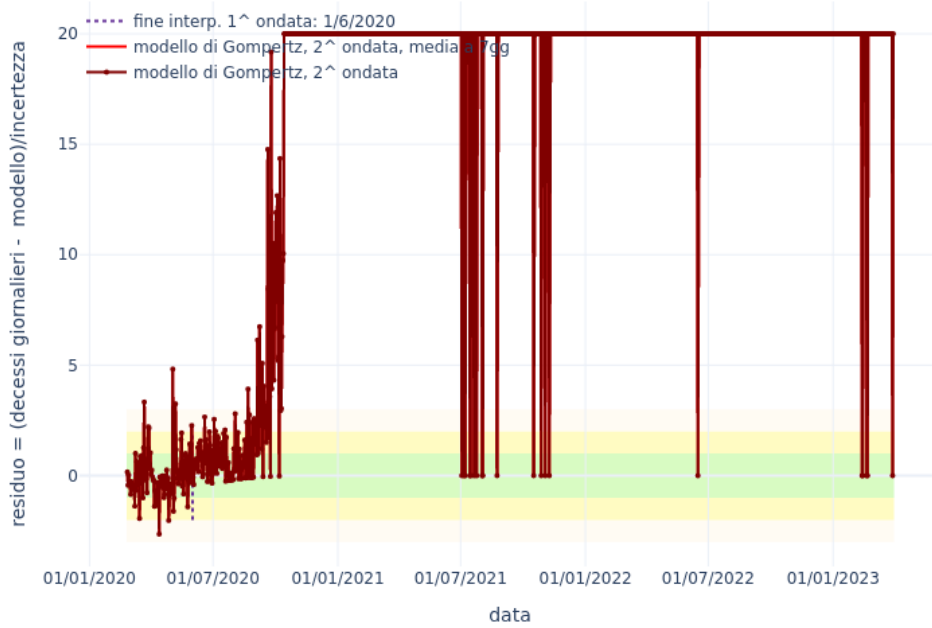


Fig. 491

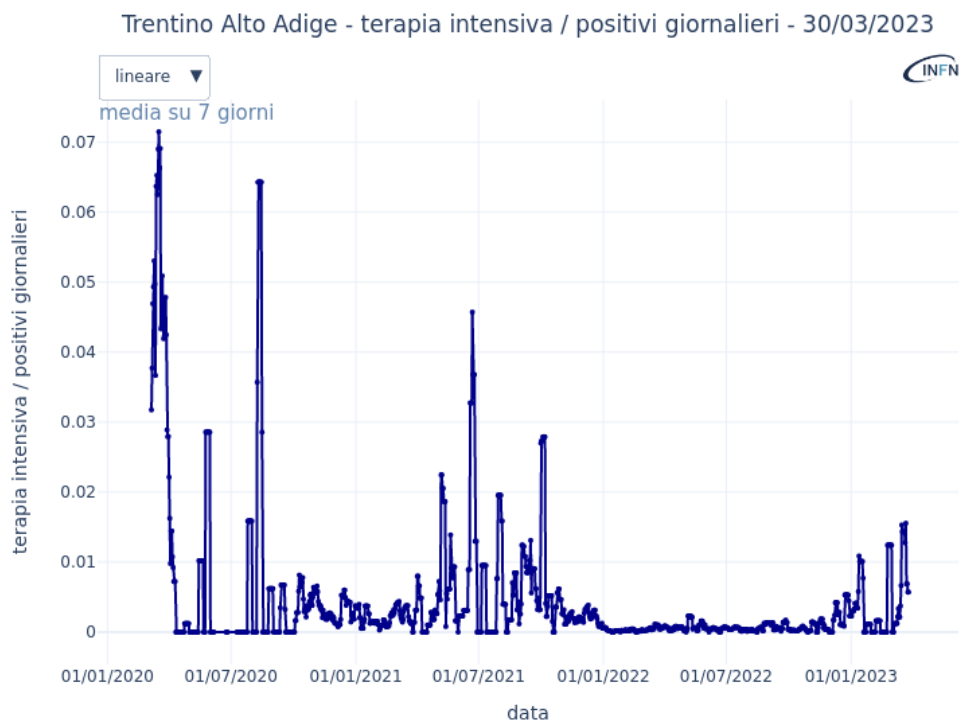


Fig. 492

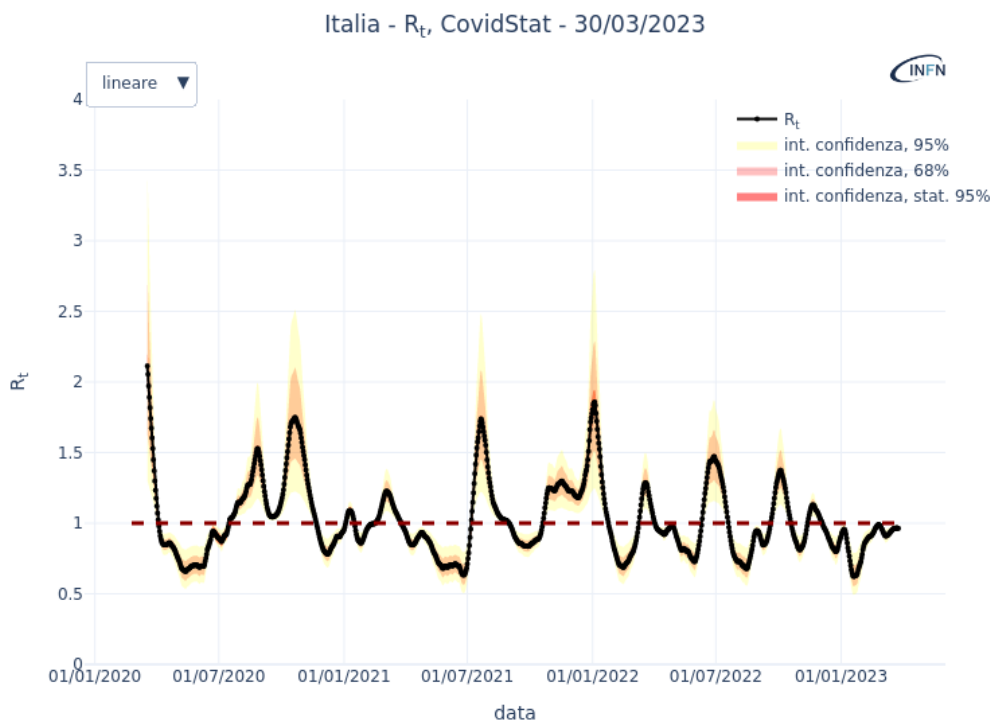


Fig. 493

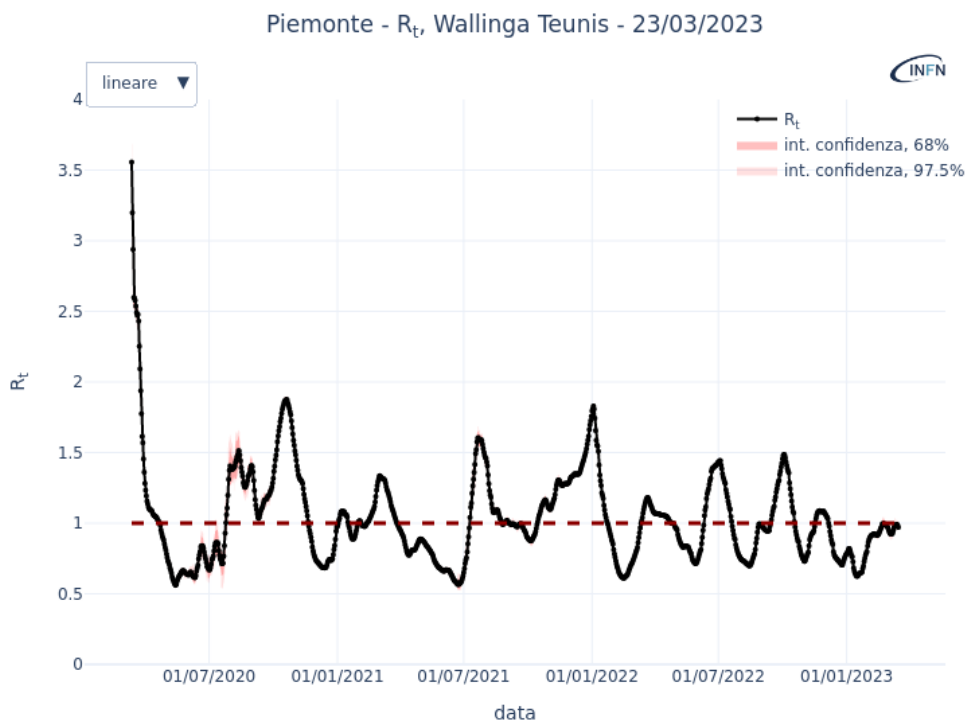


Fig. 494

Basilicata - tasso di crescita totale ospedalizzati - 30/03/2023

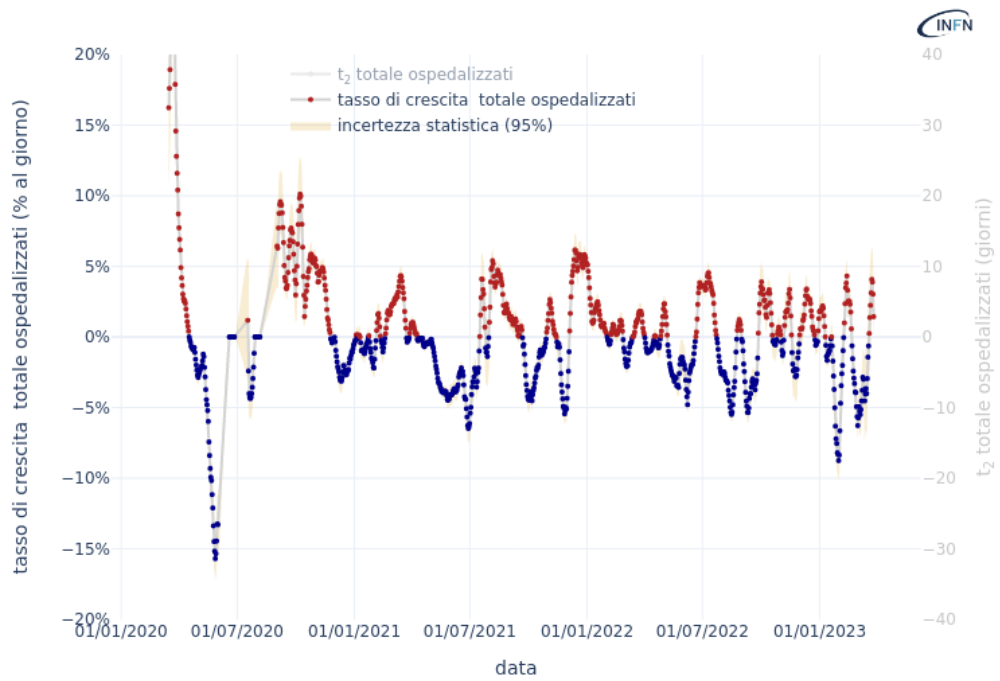


Fig. 495

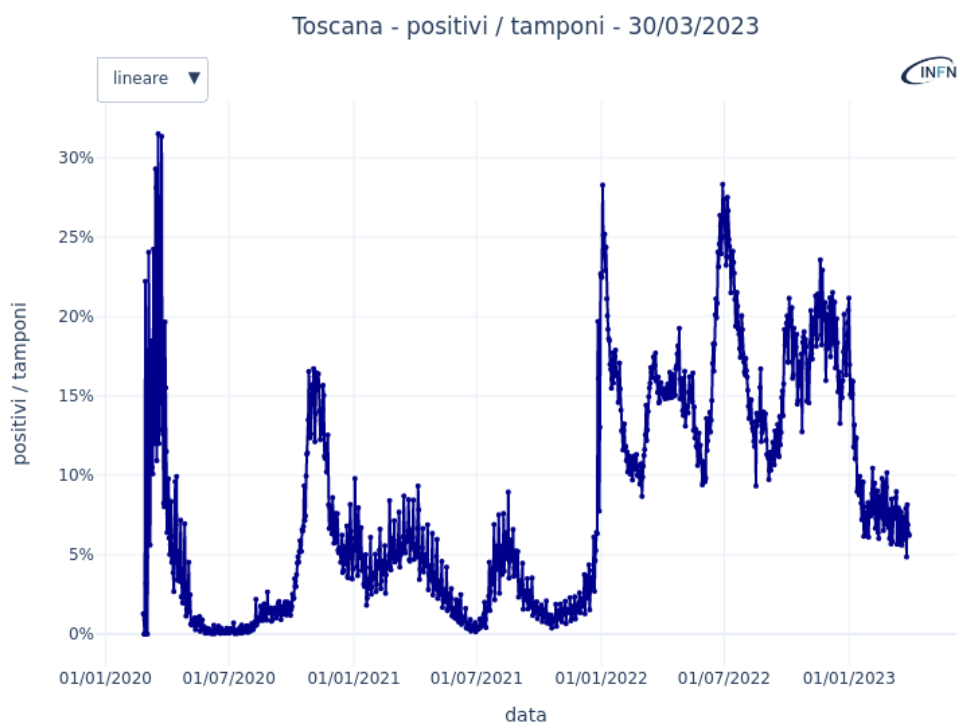


Fig. 496



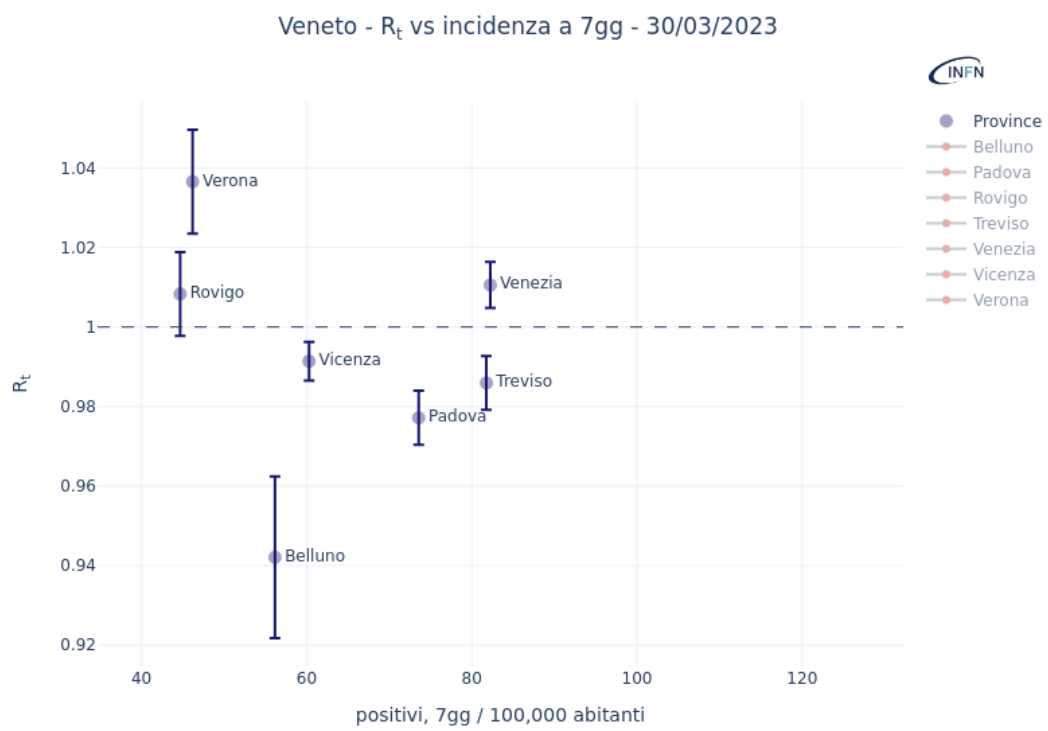


Fig. 497



Fig. 498

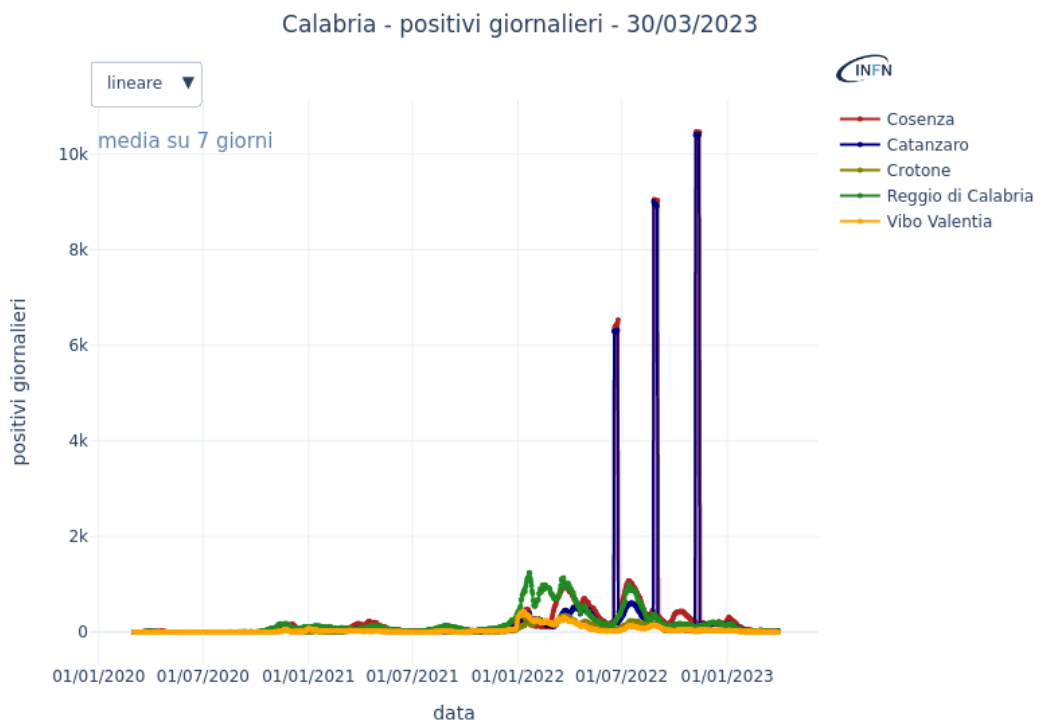


Fig. 499

Campania - tempo di raddoppio terapia intensiva - 30/03/2023

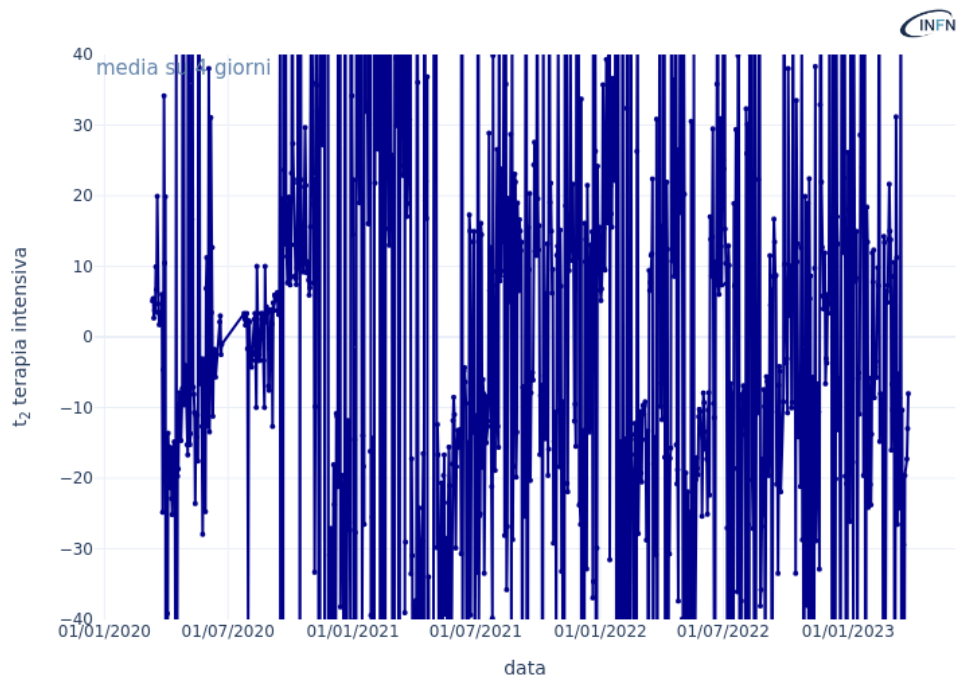


Fig. 500

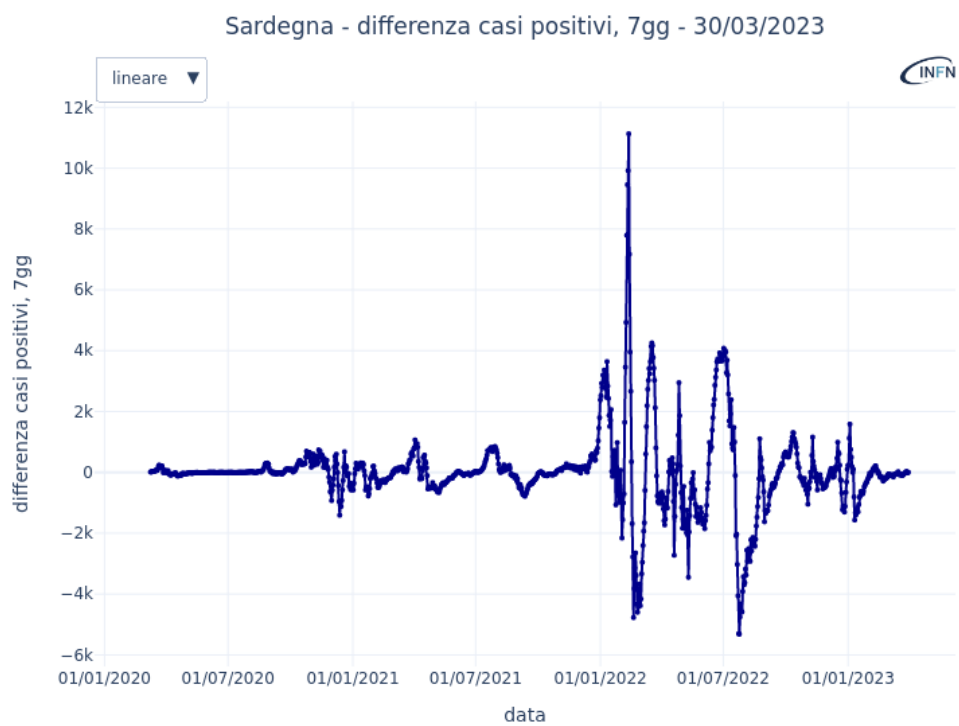


Fig. 501



Fig. 502

Marche - tempo di raddoppio terapia intensiva - 30/03/2023

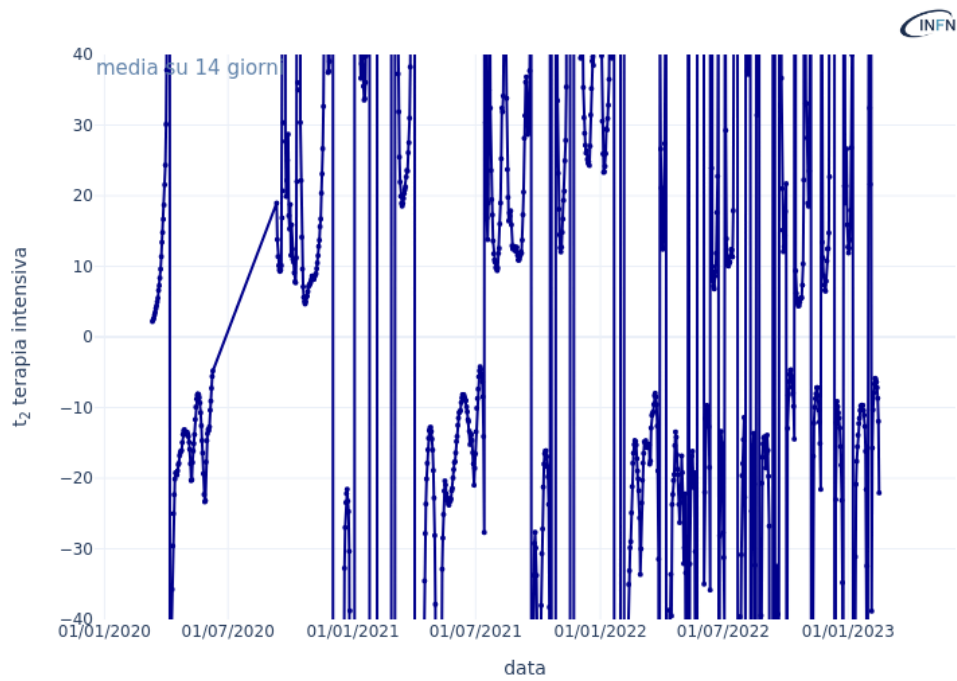


Fig. 503

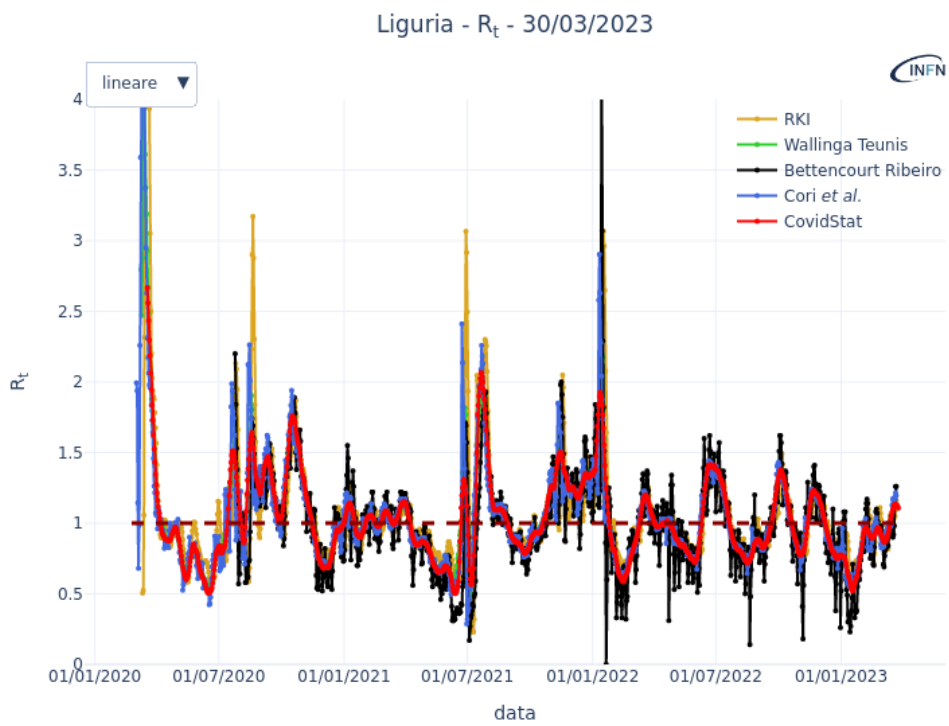


Fig. 504



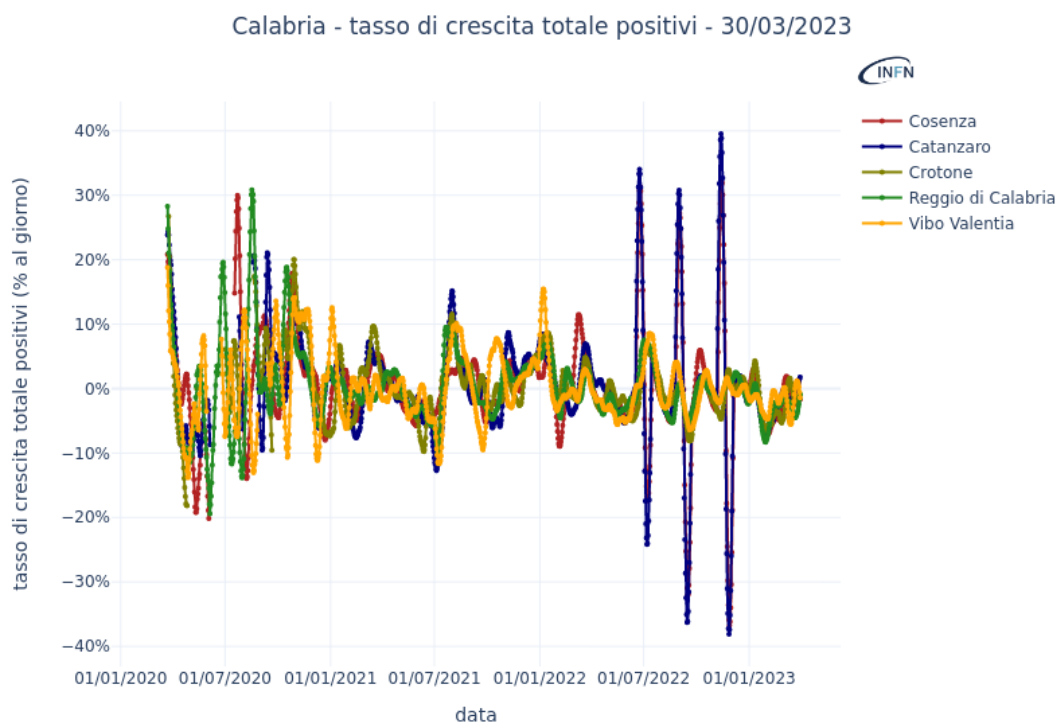


Fig. 505

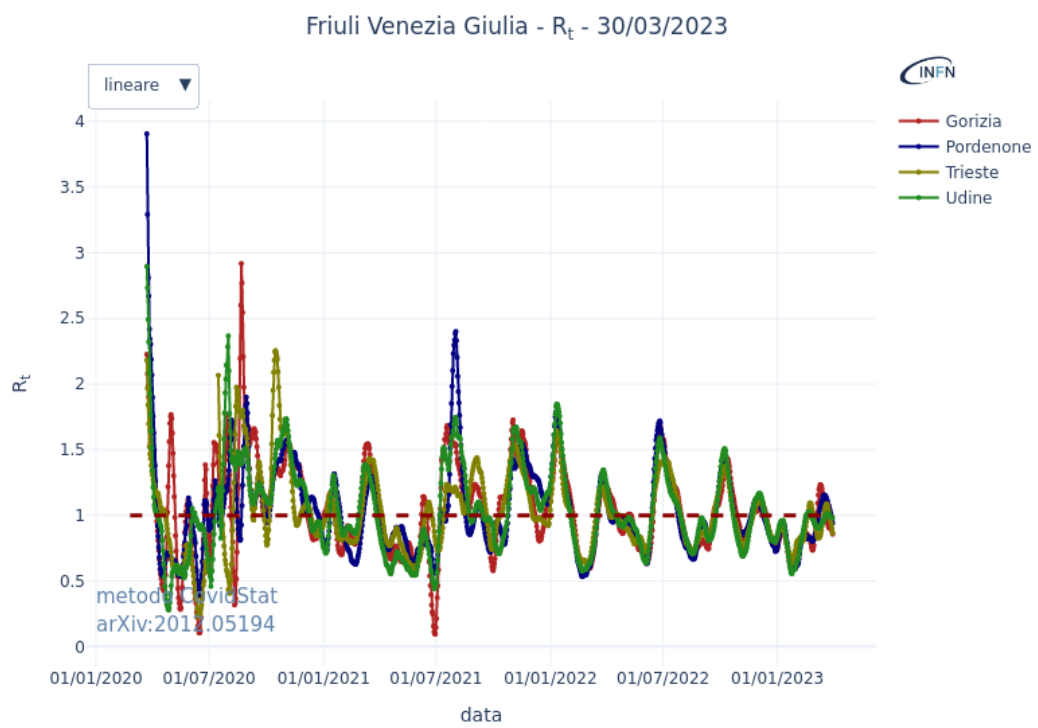


Fig. 506

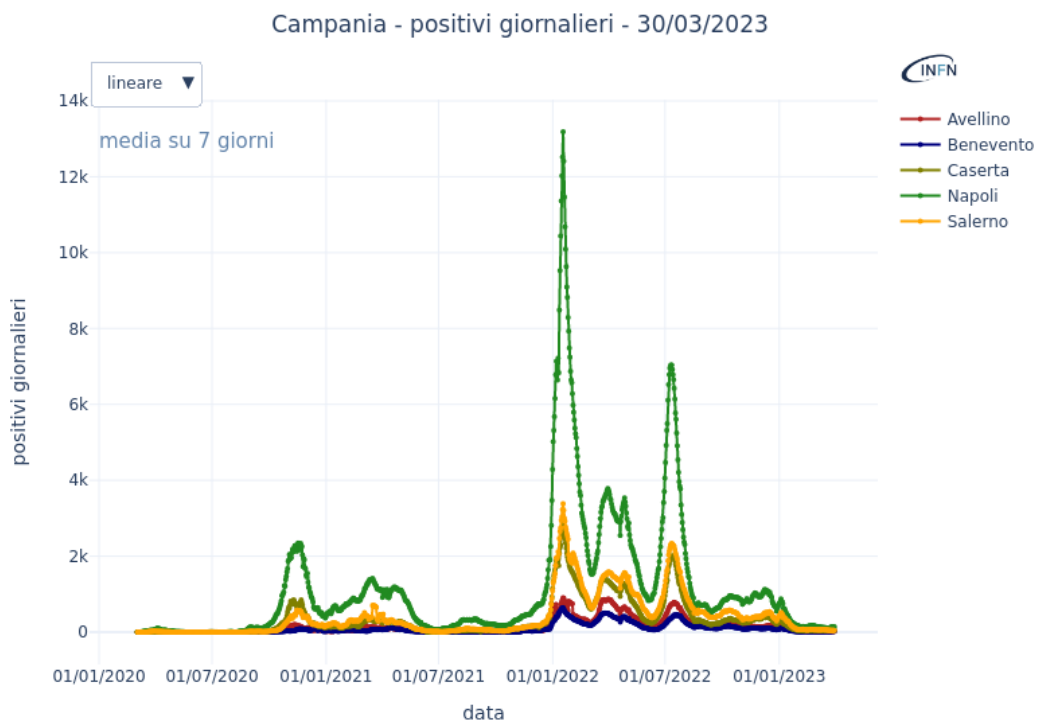


Fig. 507

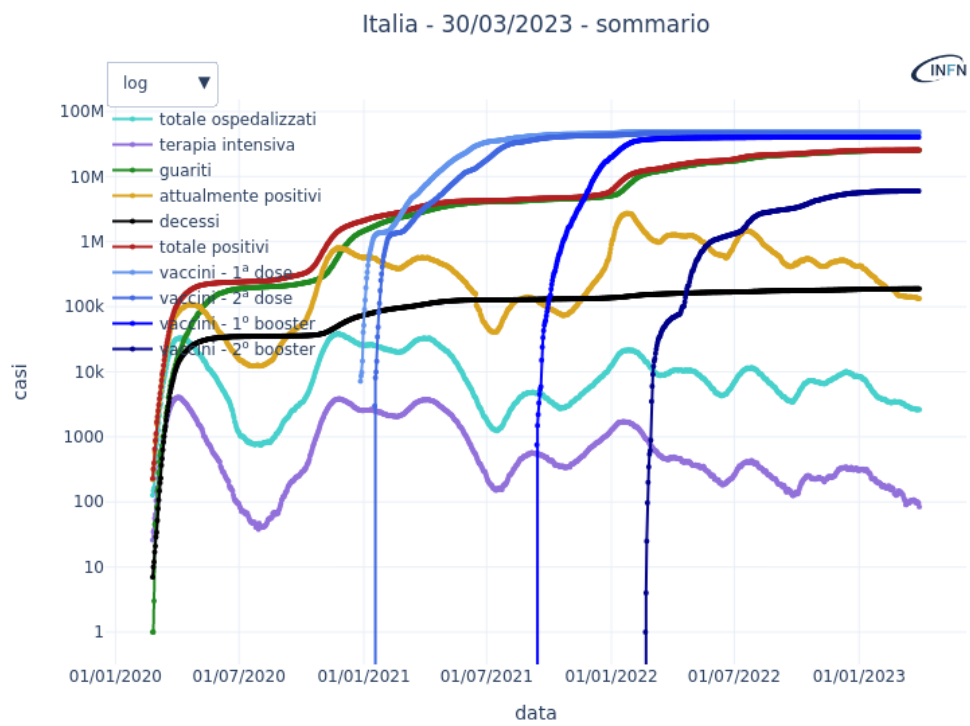


Fig. 508

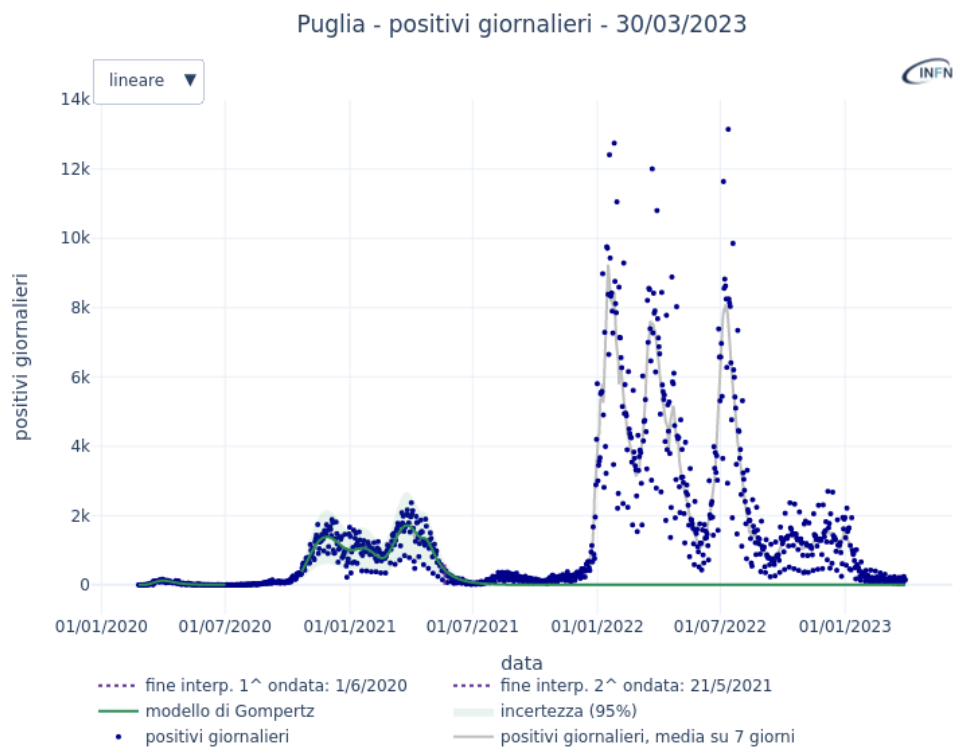


Fig. 509

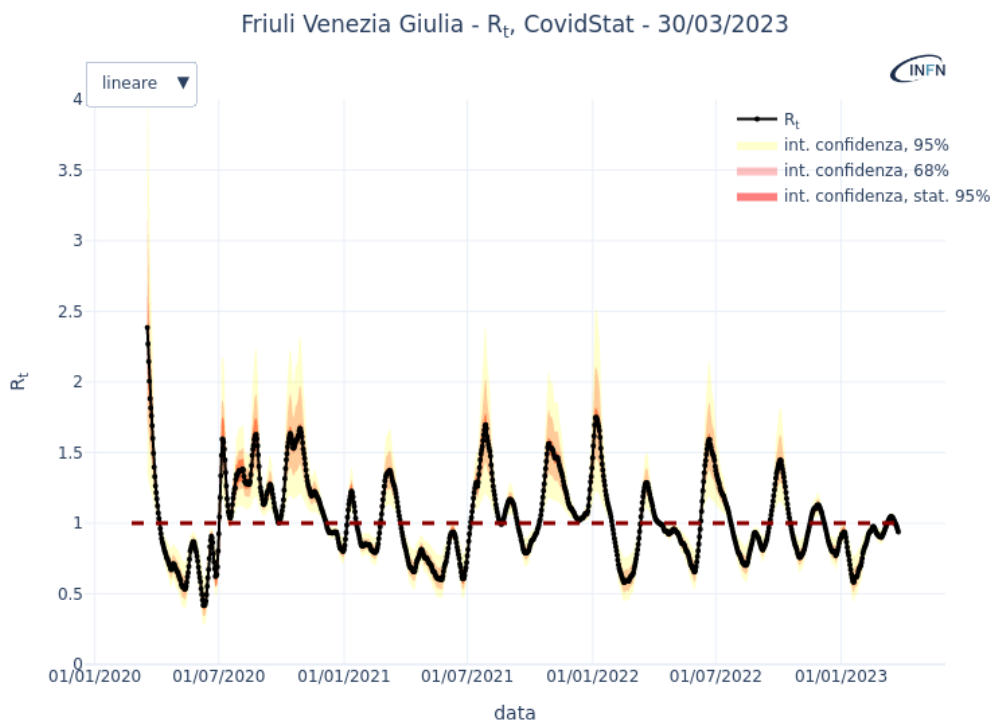


Fig. 510

P.A. Bolzano - positivi e tamponi giornalieri - 30/03/2023

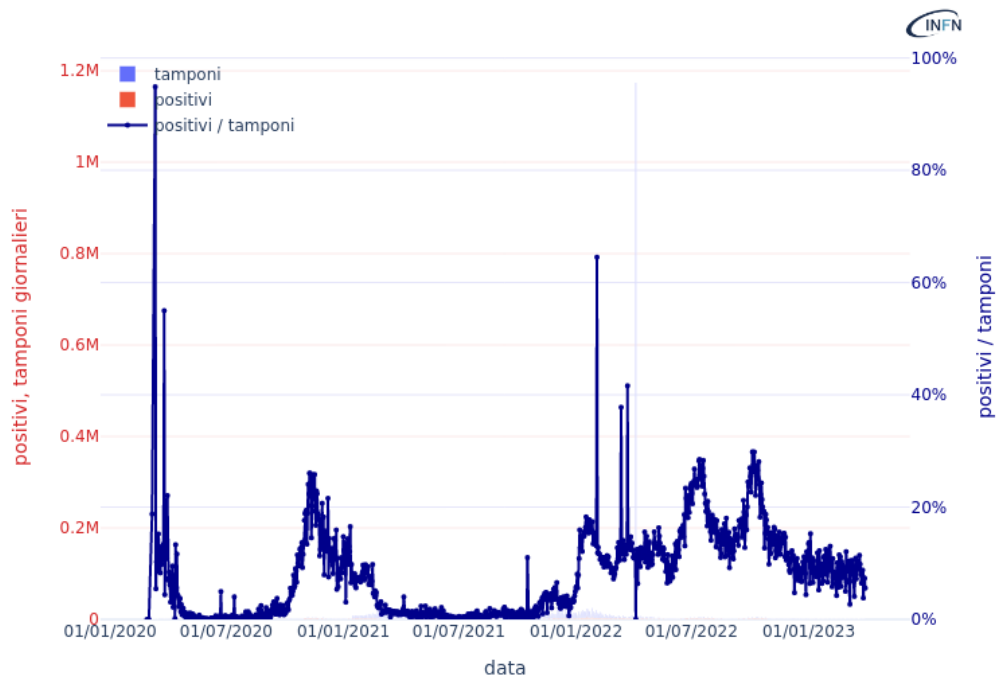


Fig. 511

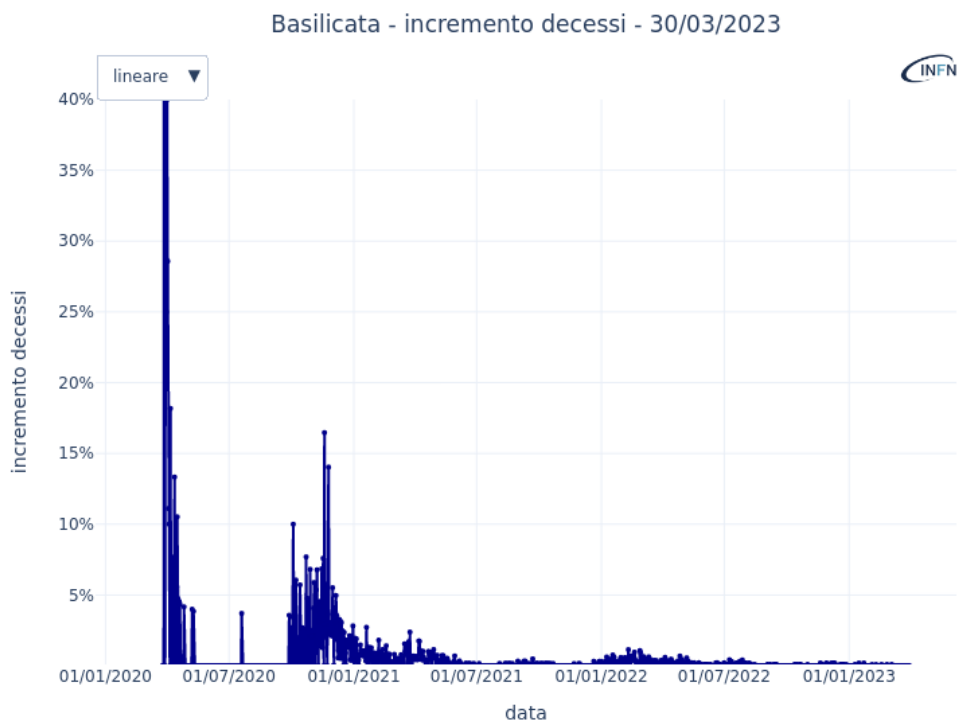


Fig. 512



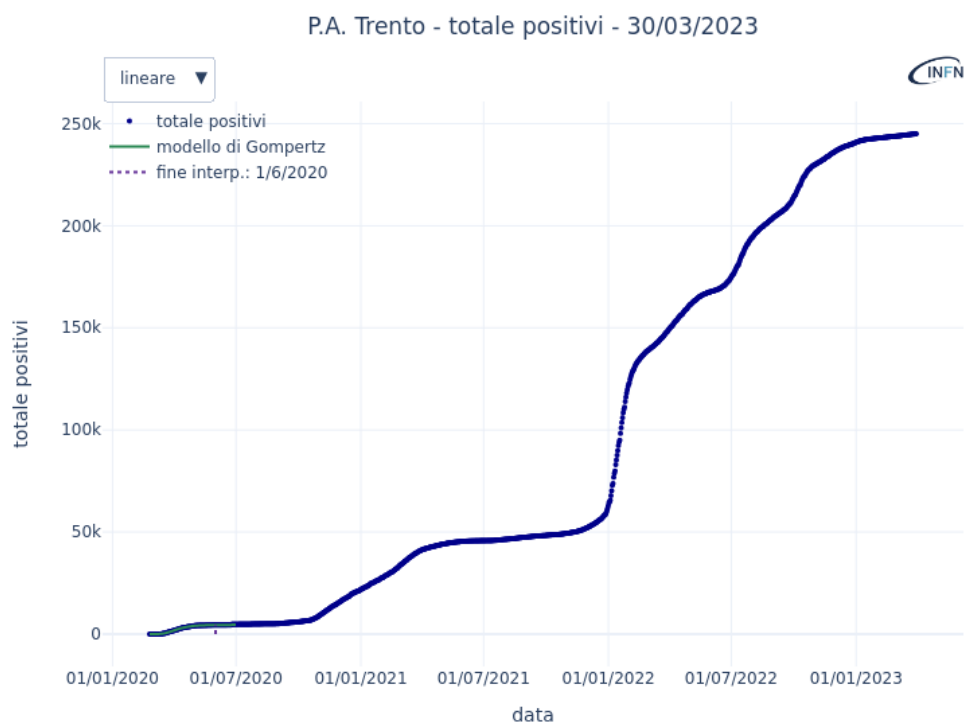


Fig. 513

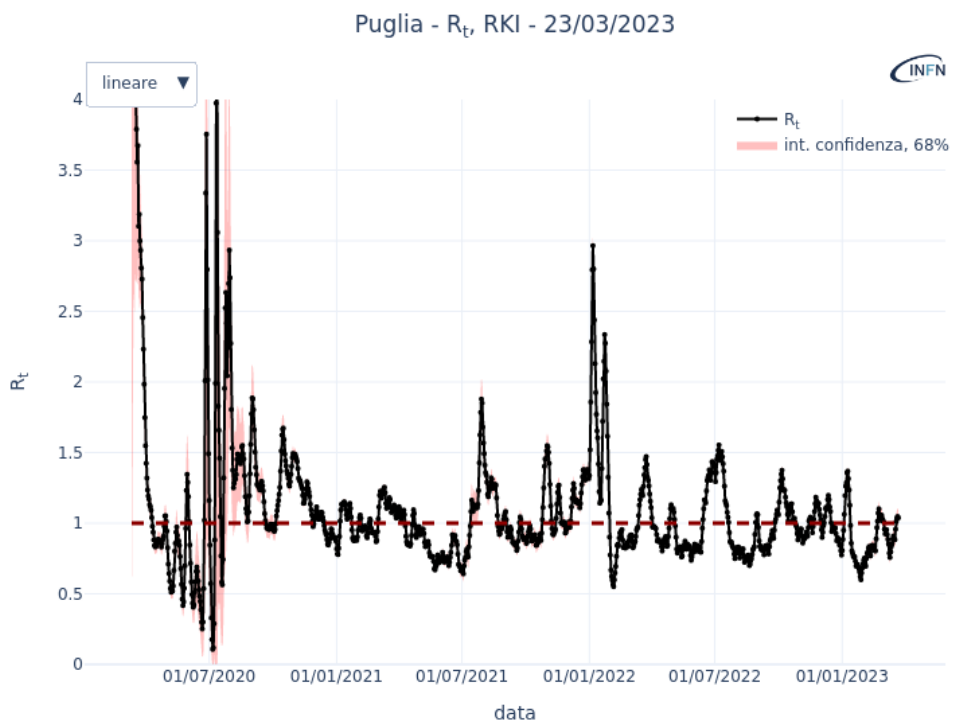


Fig. 514

P.A. Bolzano - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

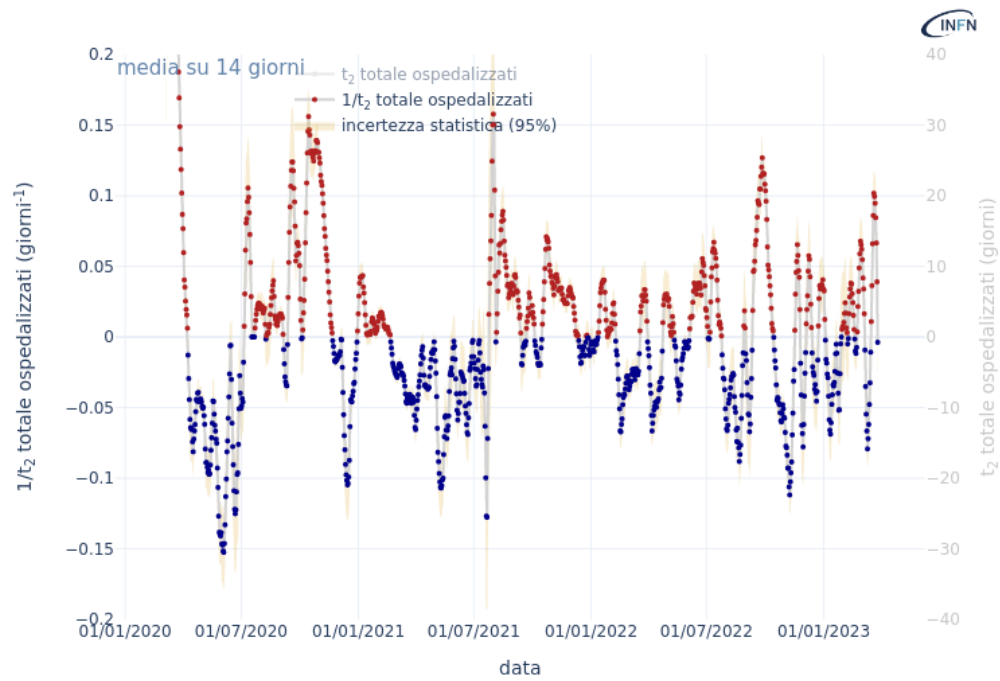


Fig. 515

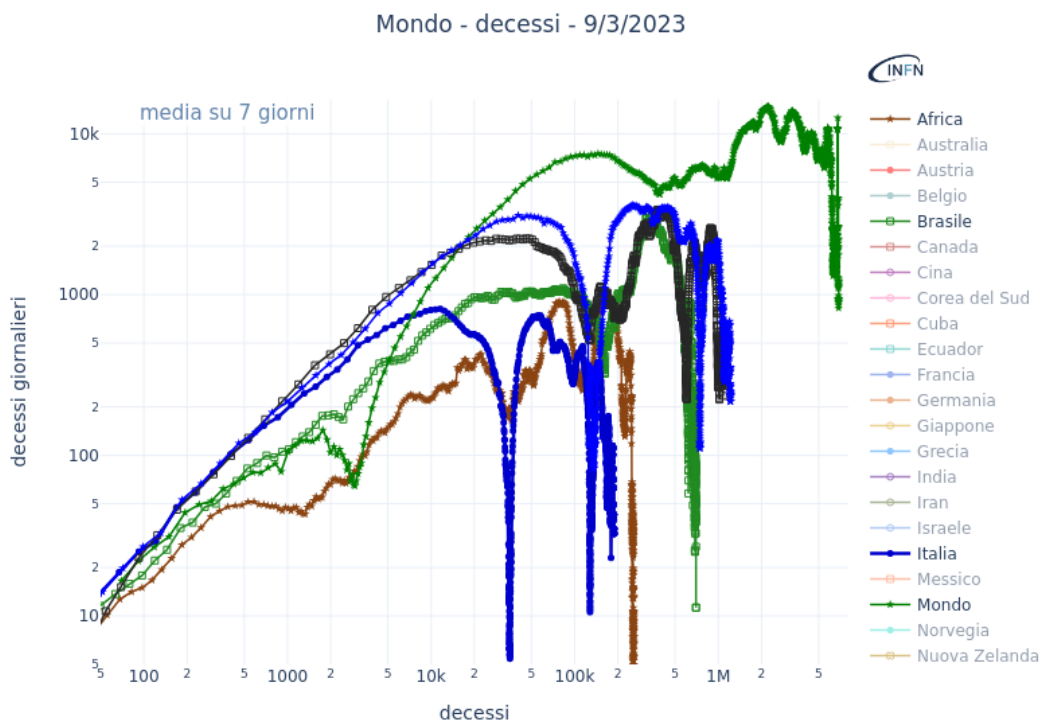


Fig. 516

Lombardia - tasso di crescita totale positivi - 30/03/2023

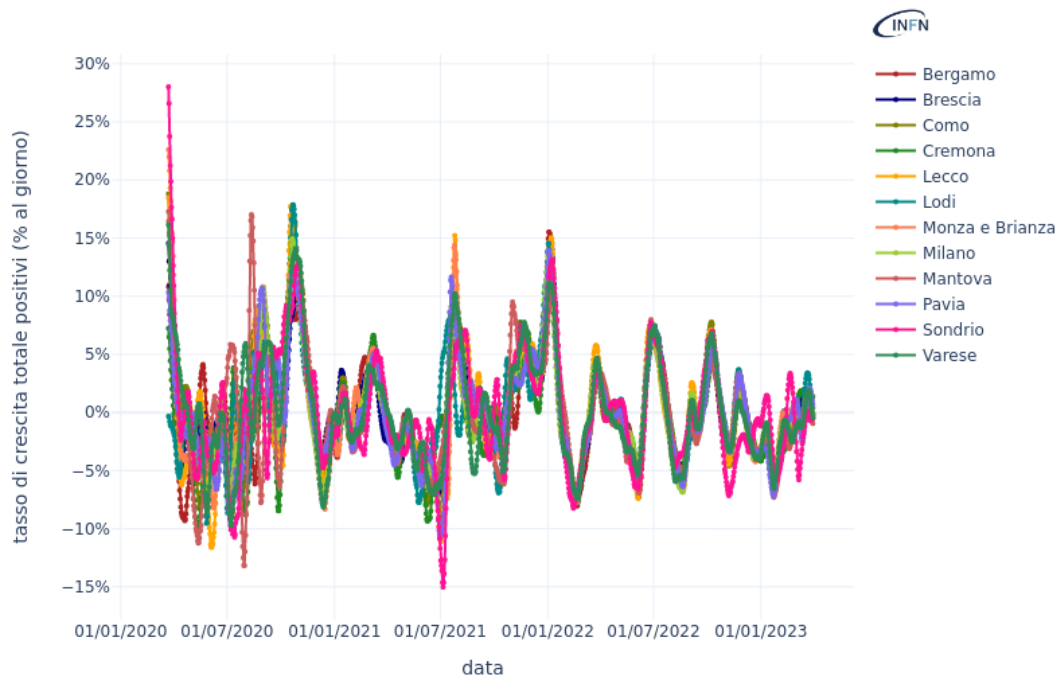


Fig. 517

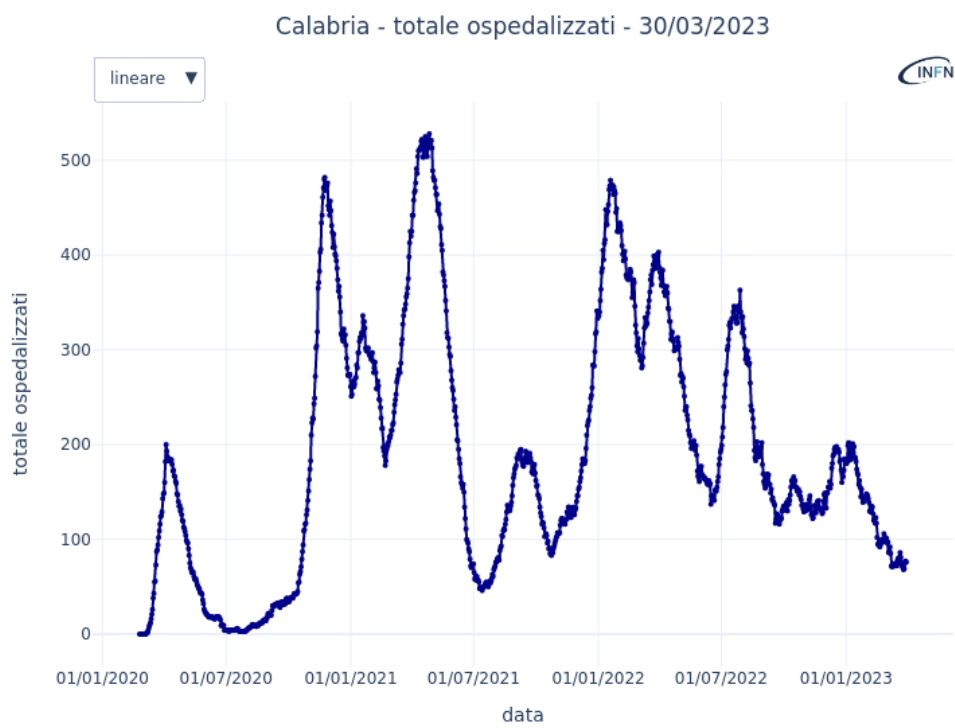


Fig. 518

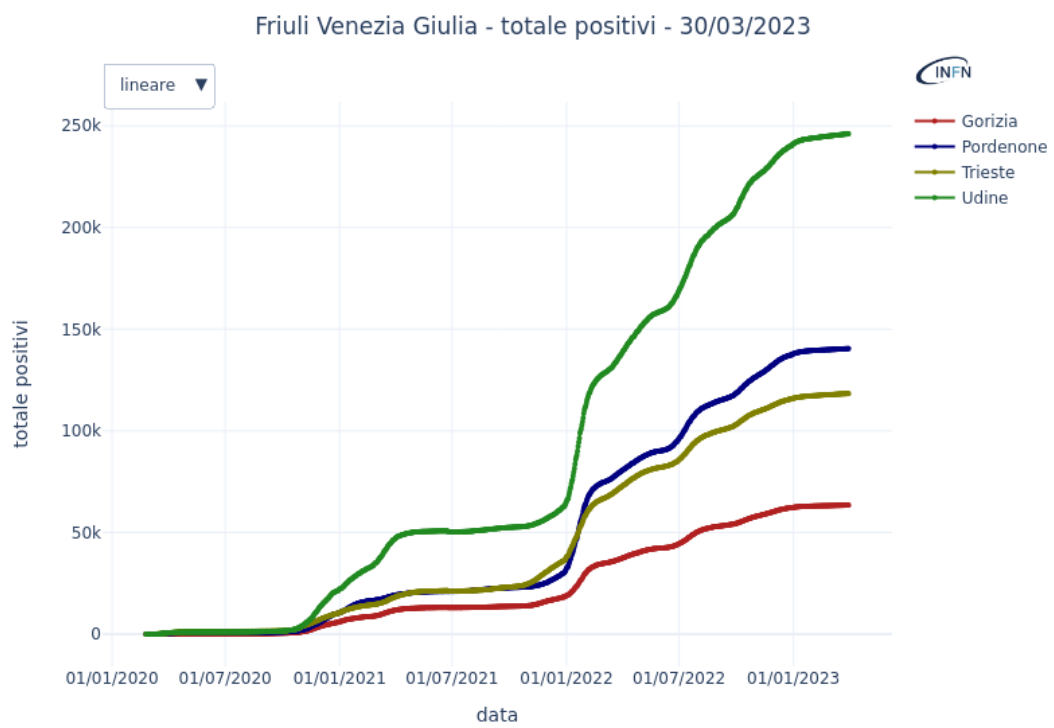


Fig. 519

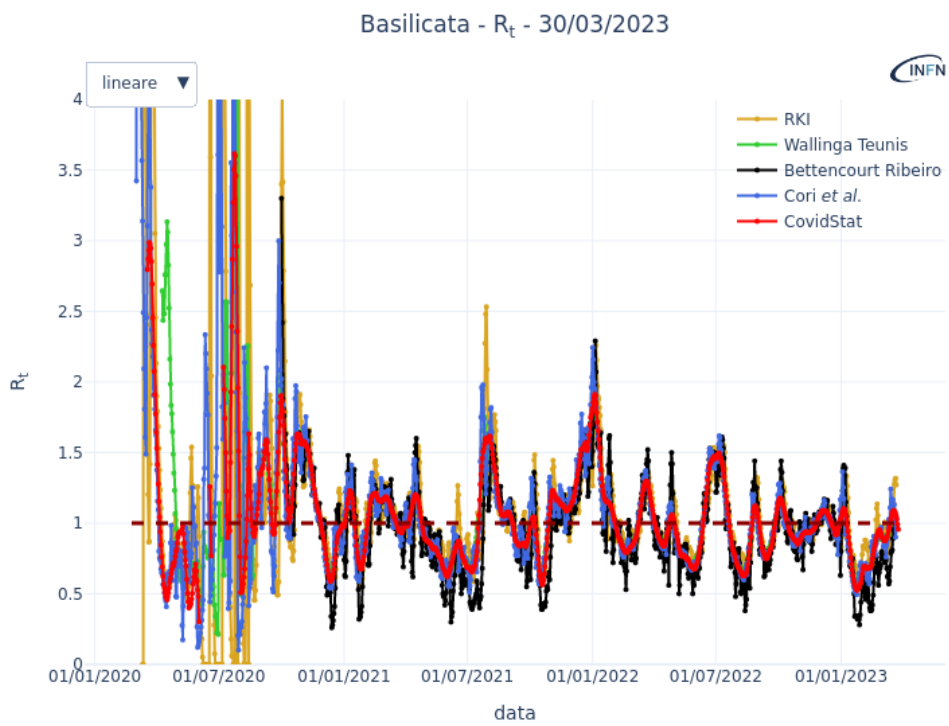


Fig. 520



Sicilia - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

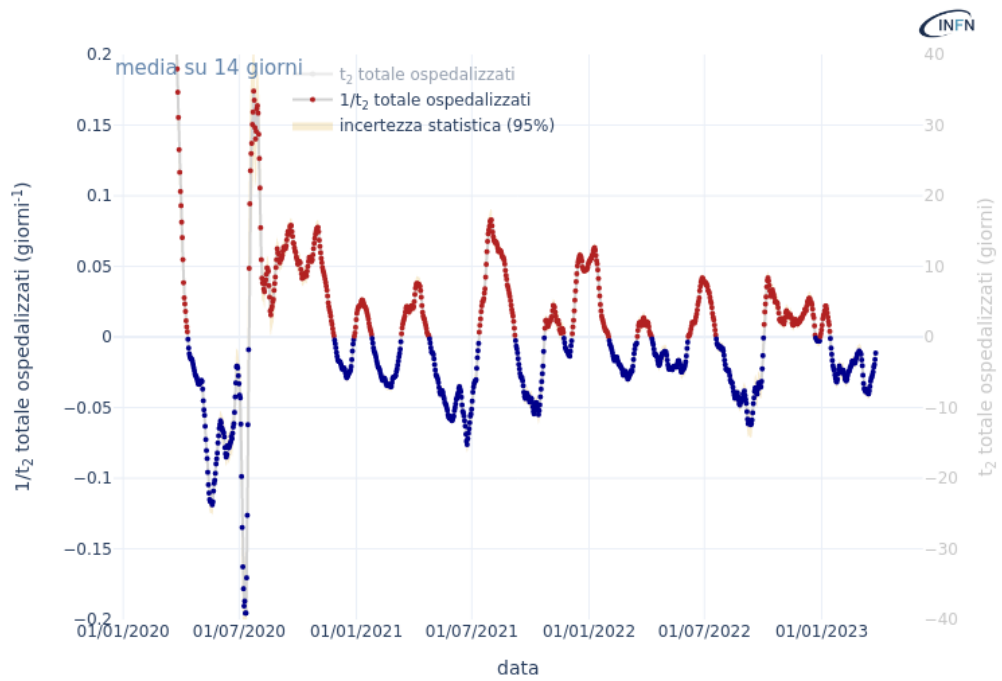


Fig. 521



Fig. 522

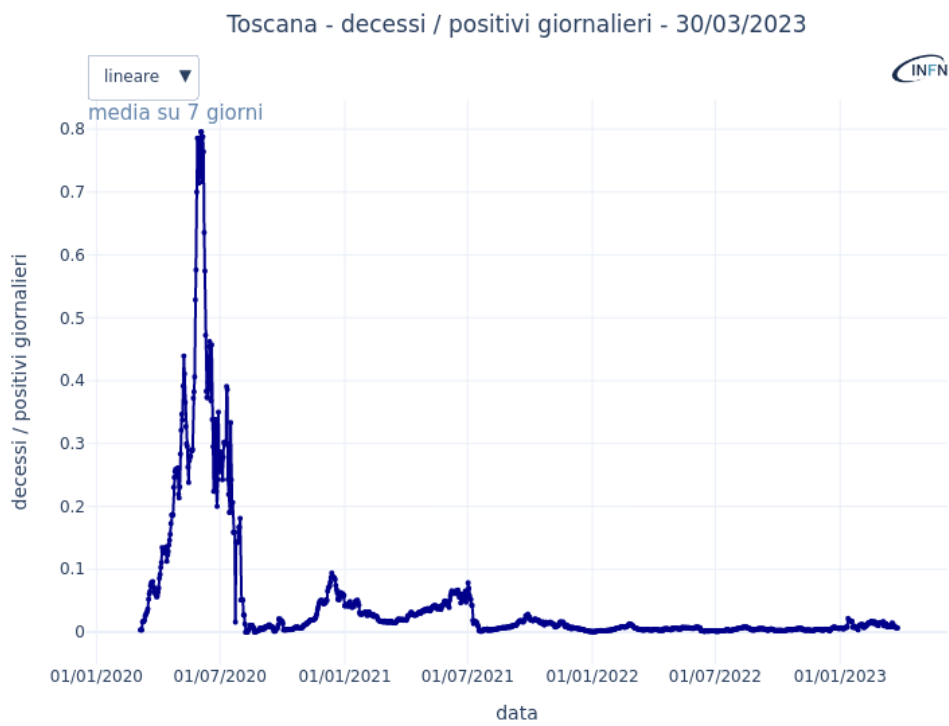


Fig. 523

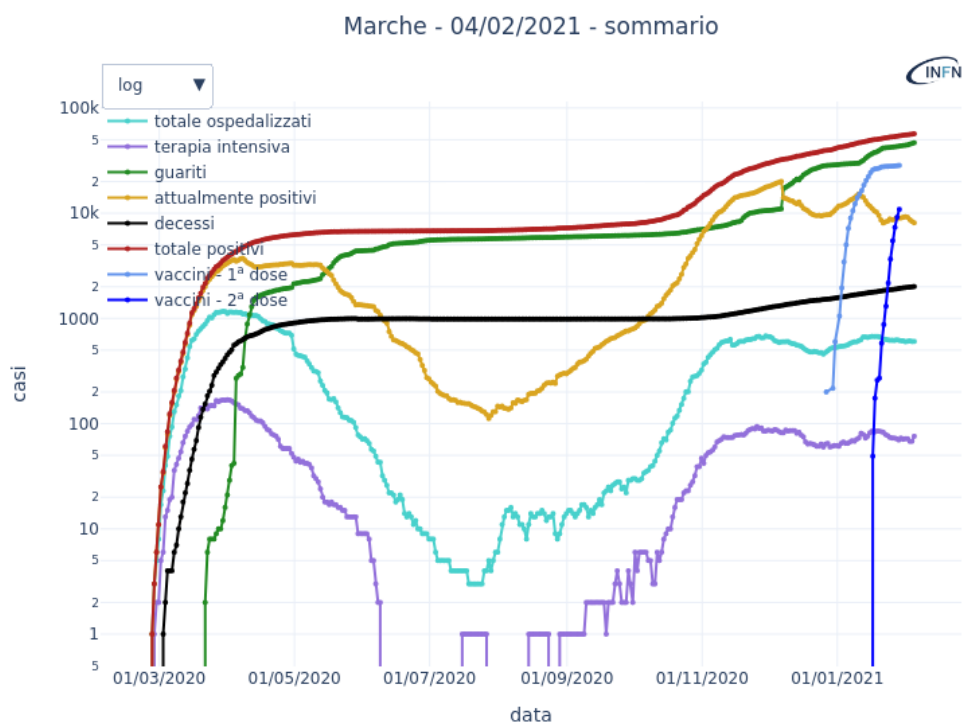


Fig. 524

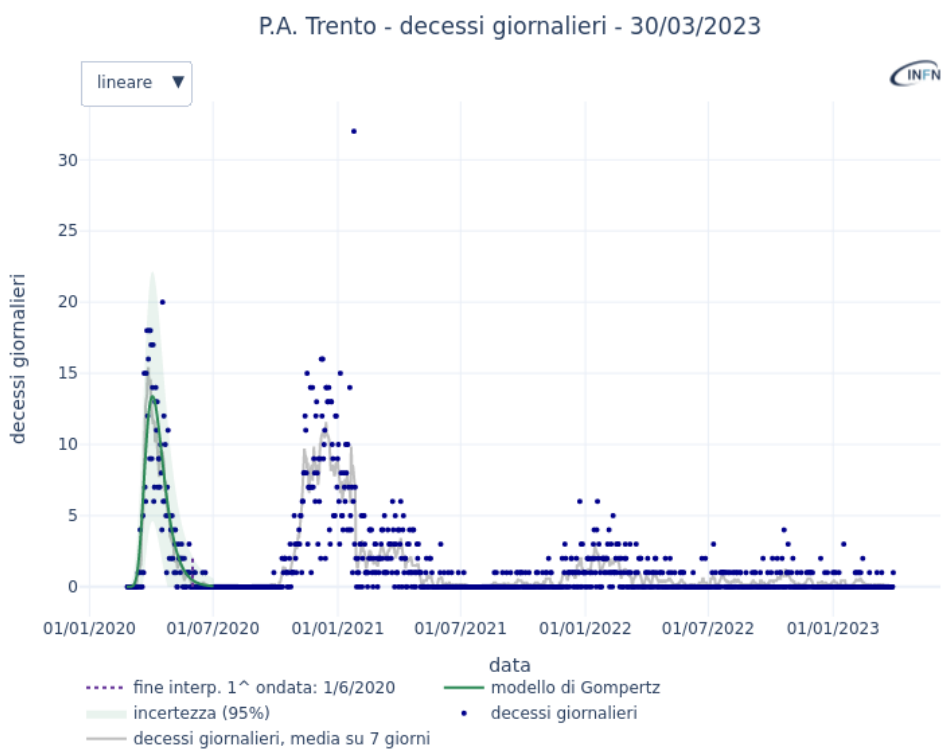


Fig. 525

Italia - totale positivi - 30/03/2023

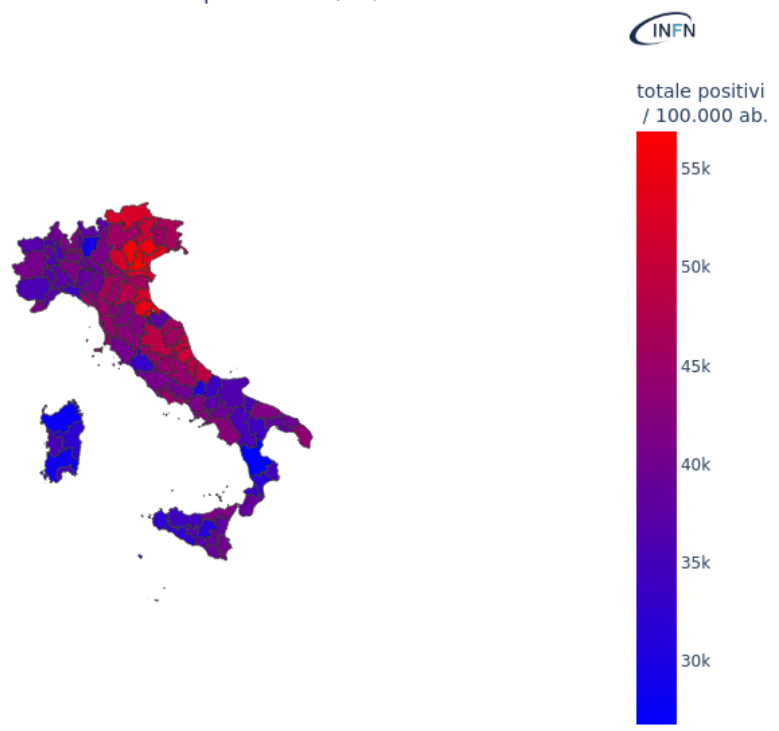


Fig. 526

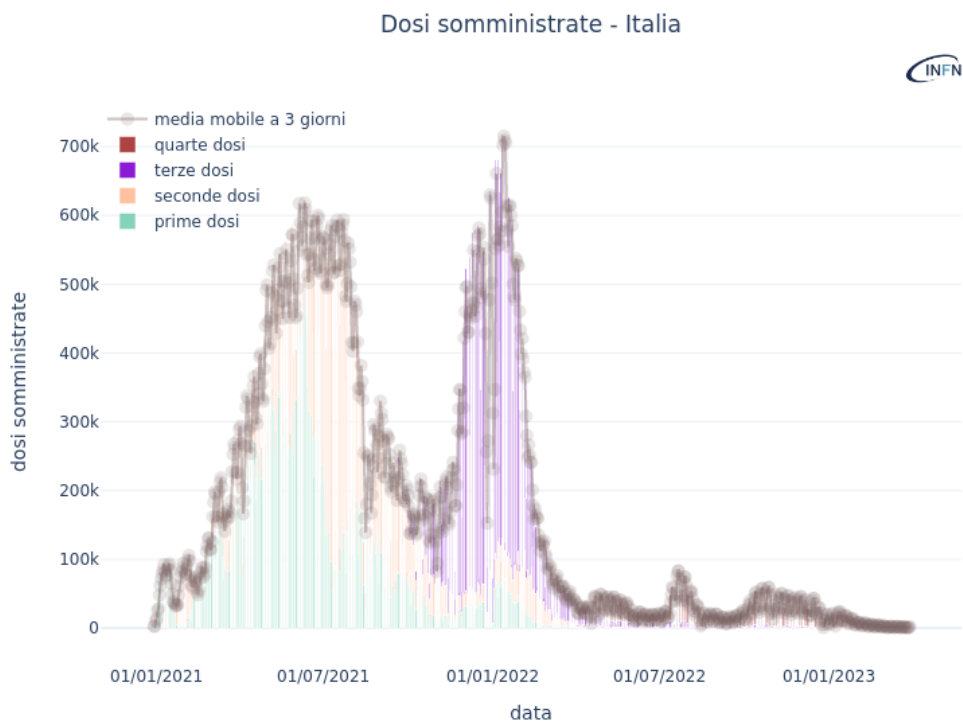


Fig. 527

Toscana - decessi giornalieri - residui - 30/03/2023

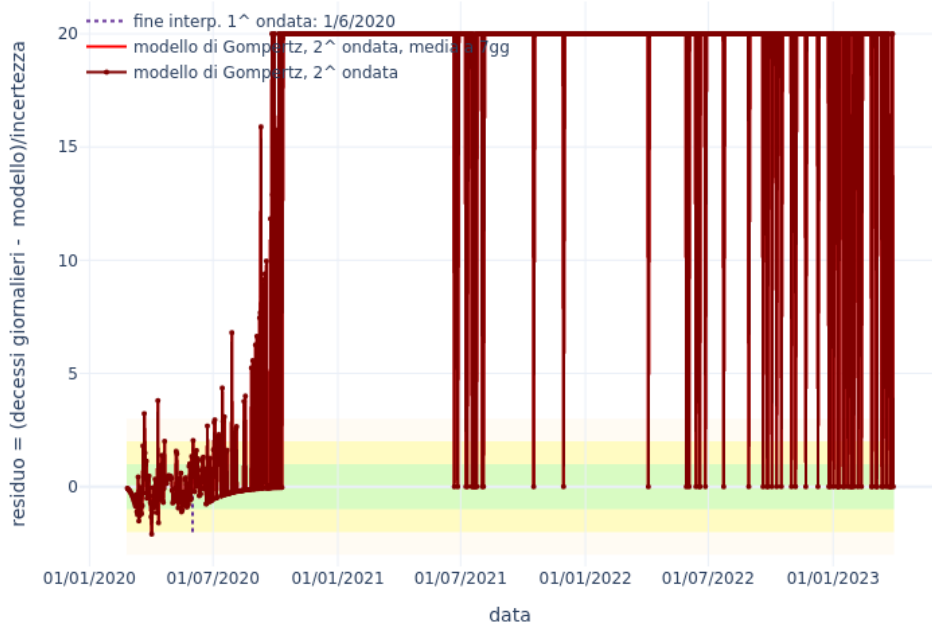


Fig. 528



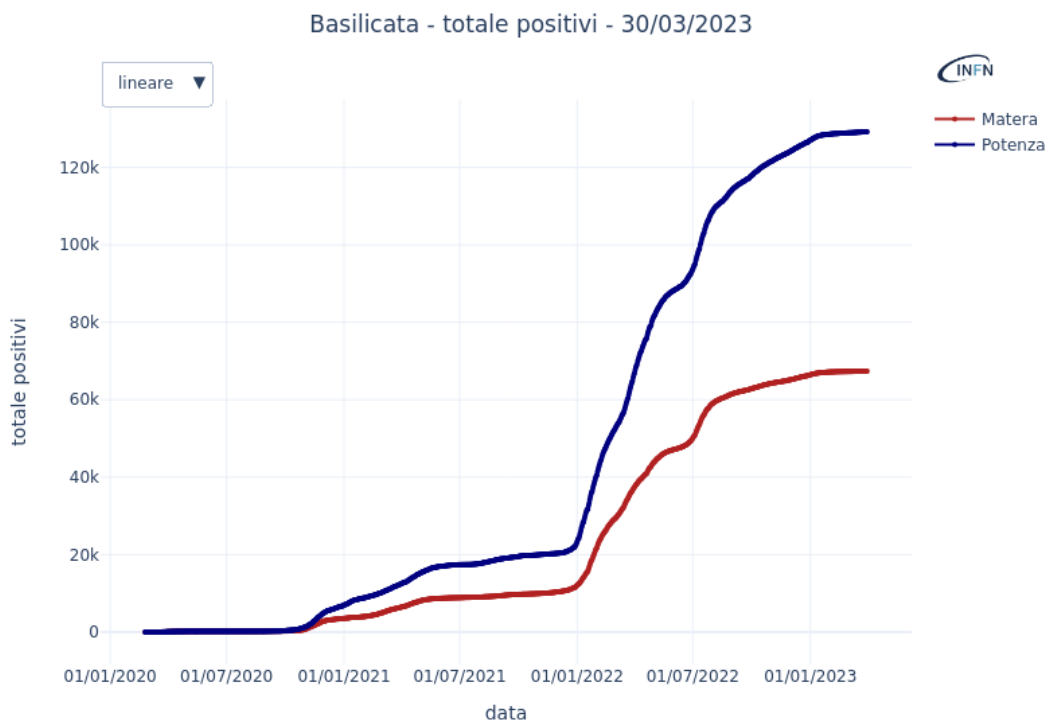


Fig. 529

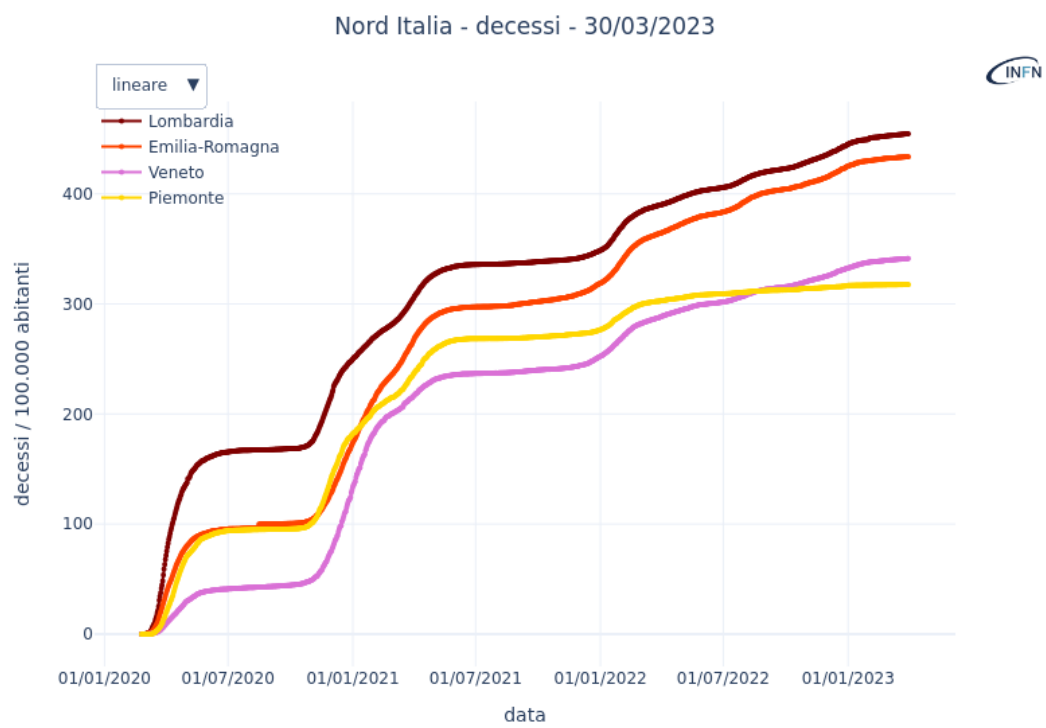


Fig. 530

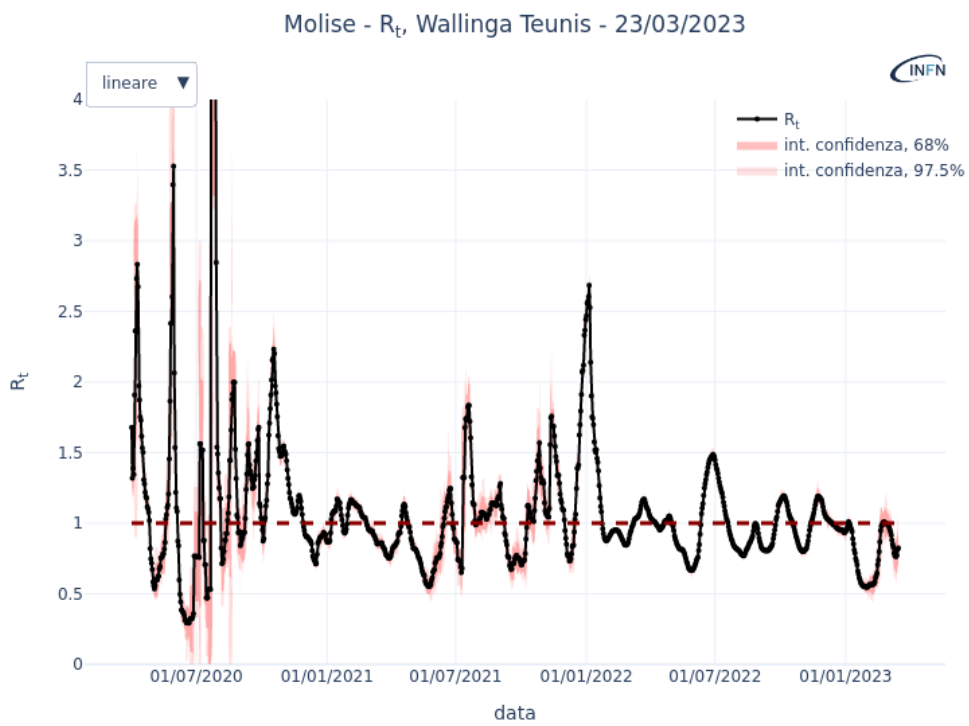


Fig. 531

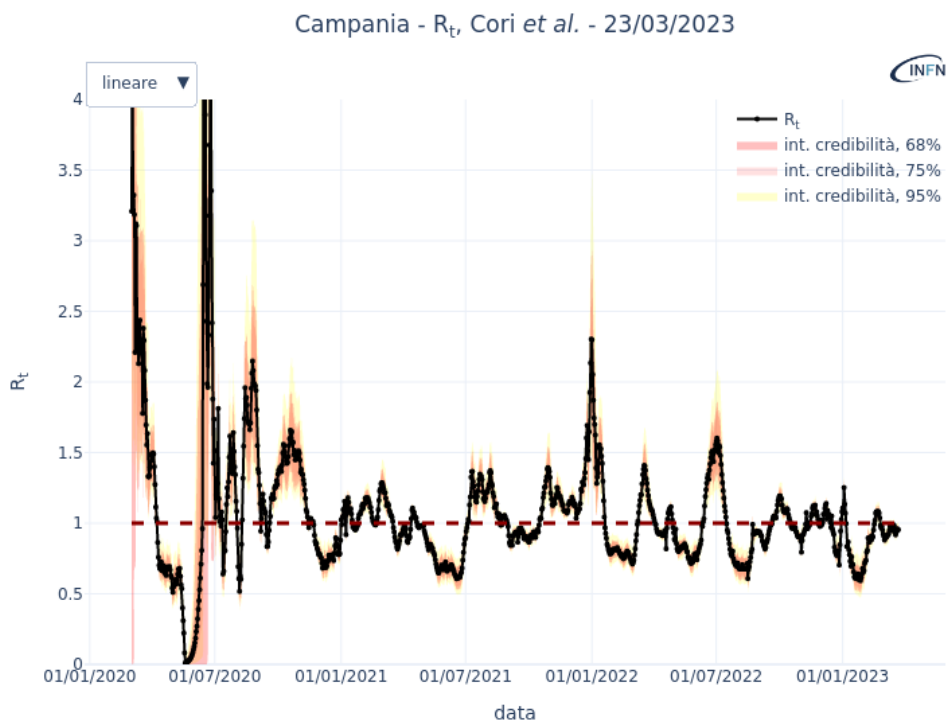


Fig. 532

Sardegna - tempo di raddoppio (inverso) terapia intensiva - 30/03/2023

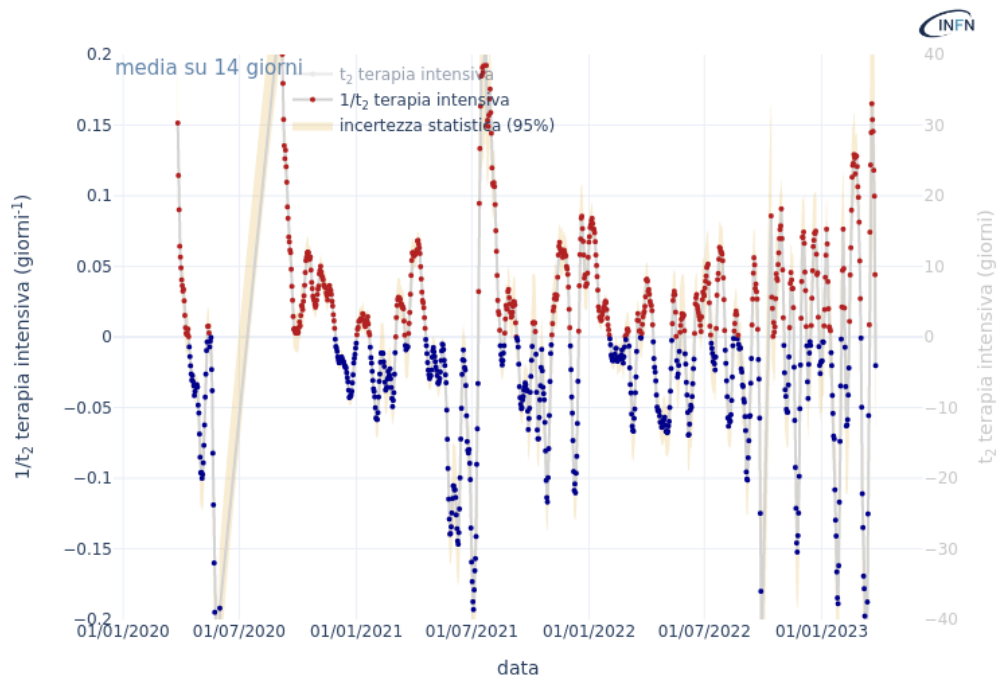


Fig. 533

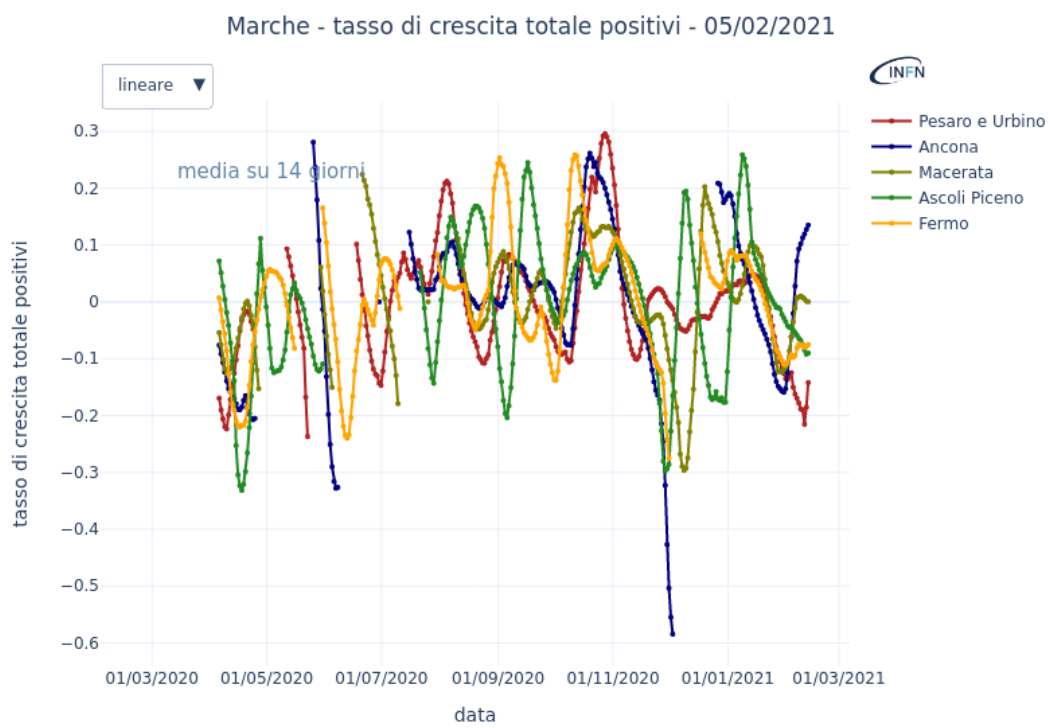


Fig. 534

Basilicata - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

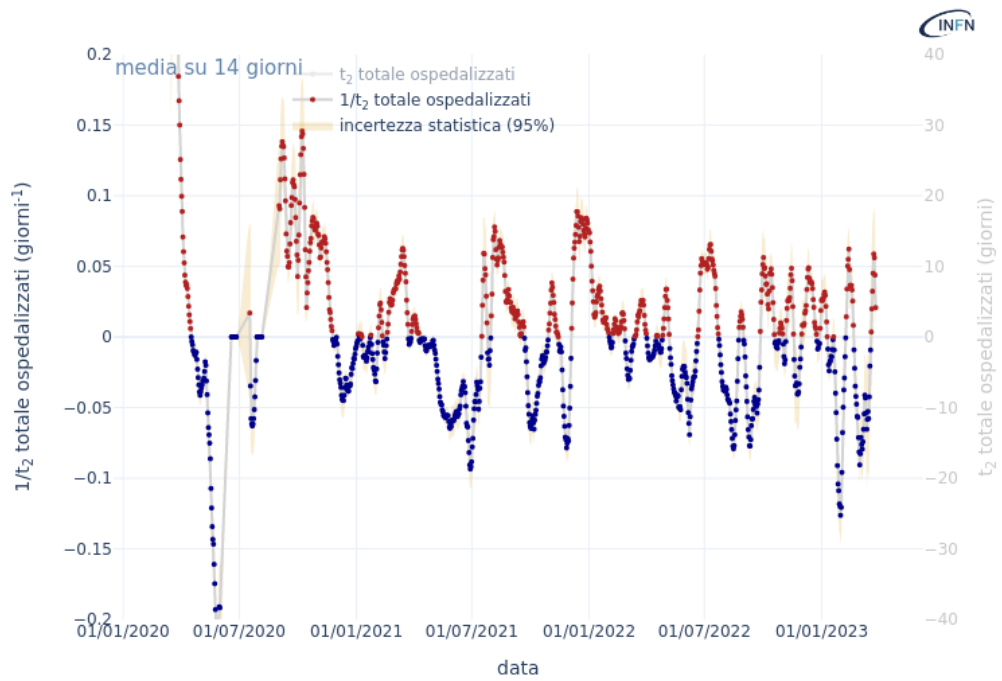


Fig. 535

Basilicata - tempo di raddoppio terapia intensiva - 30/03/2023

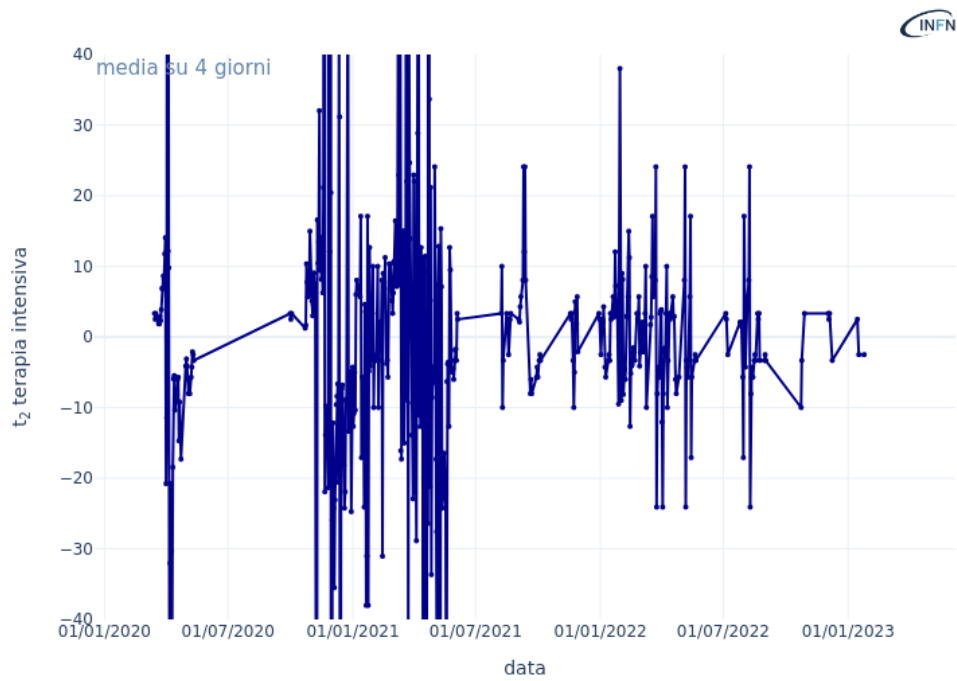


Fig. 536



Lombardia - positivi e tamponi giornalieri - 30/03/2023

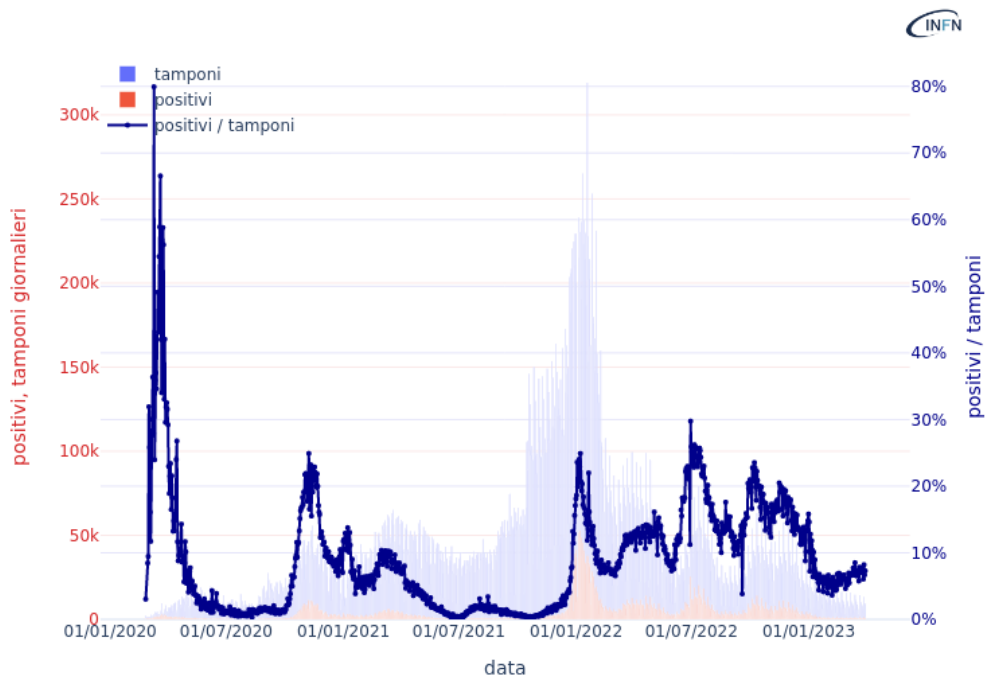


Fig. 537



Fig. 538

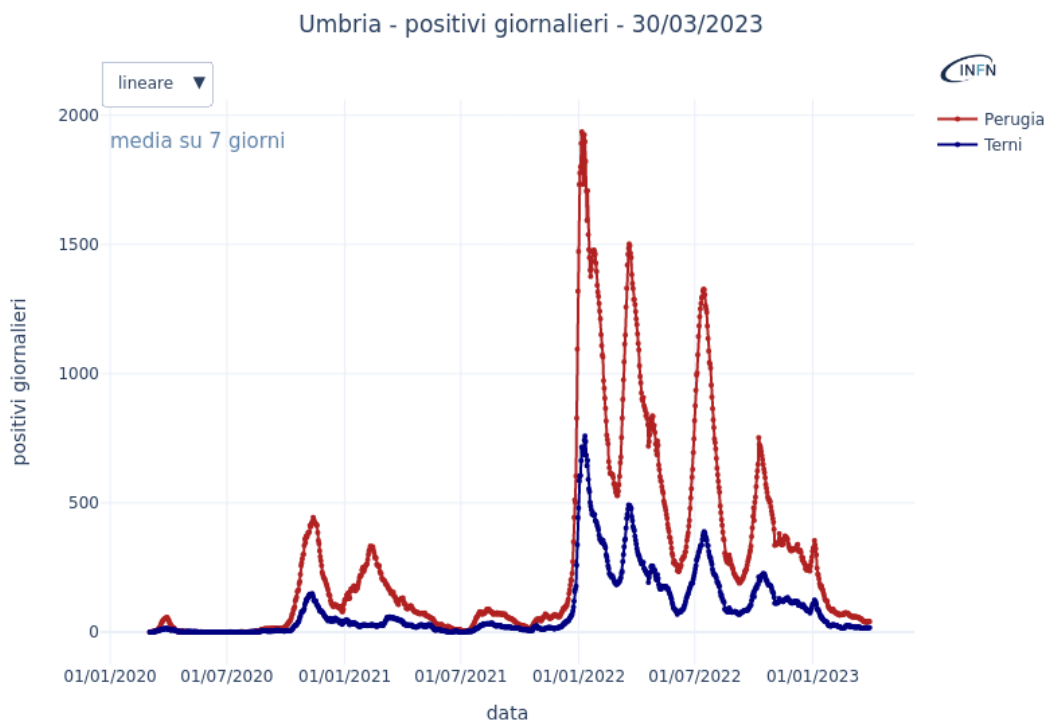


Fig. 539

Abruzzo - tempo di raddoppio (inverso) totale positivi - 30/03/2023

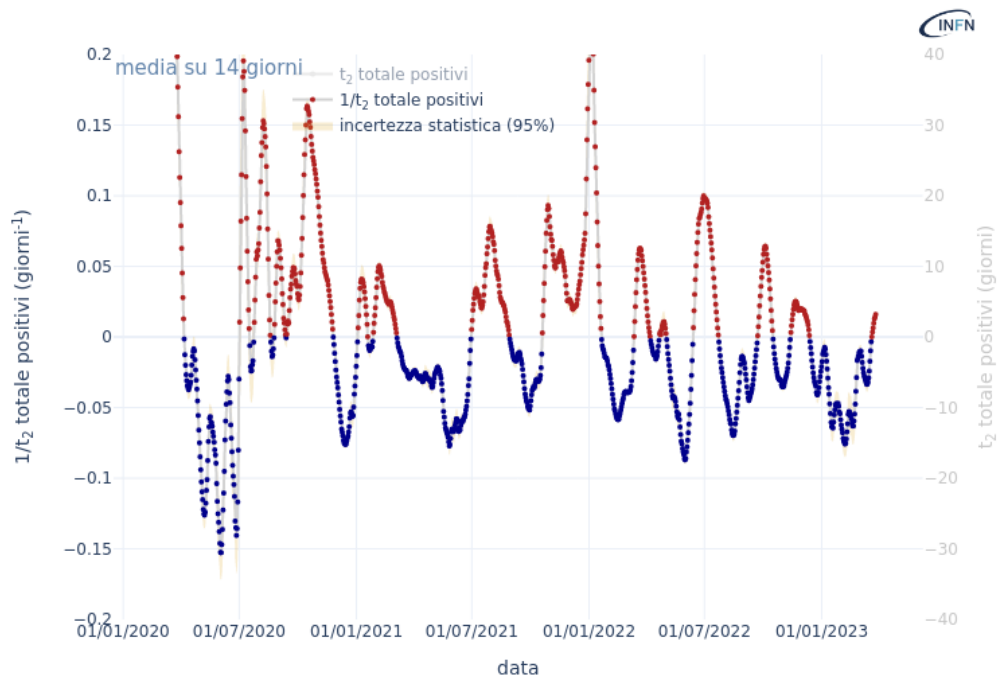


Fig. 540

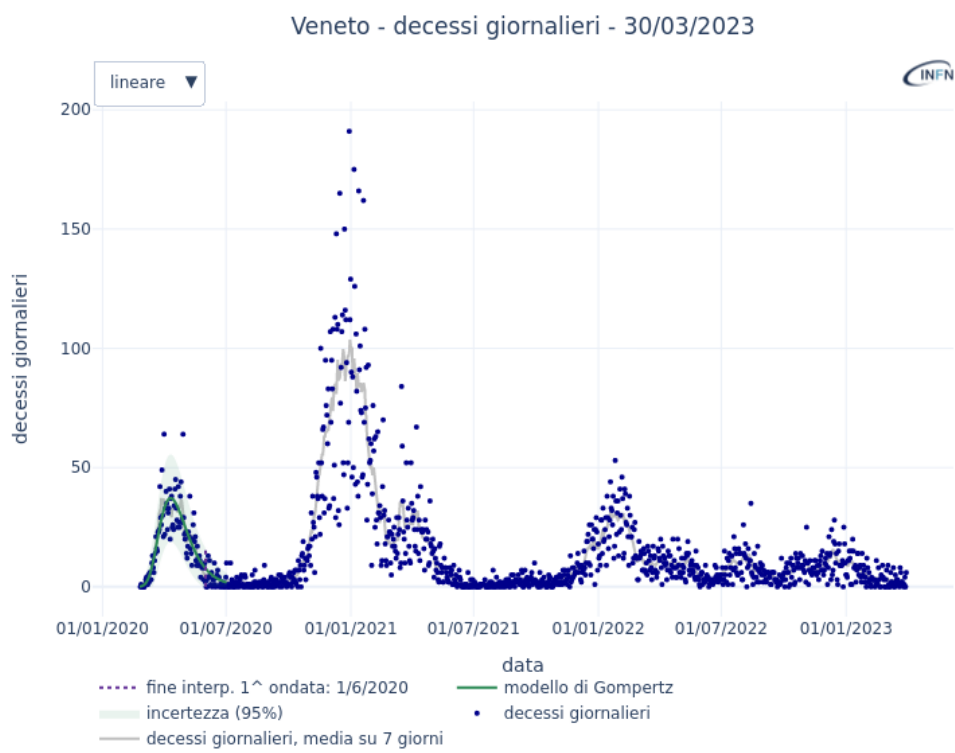


Fig. 541

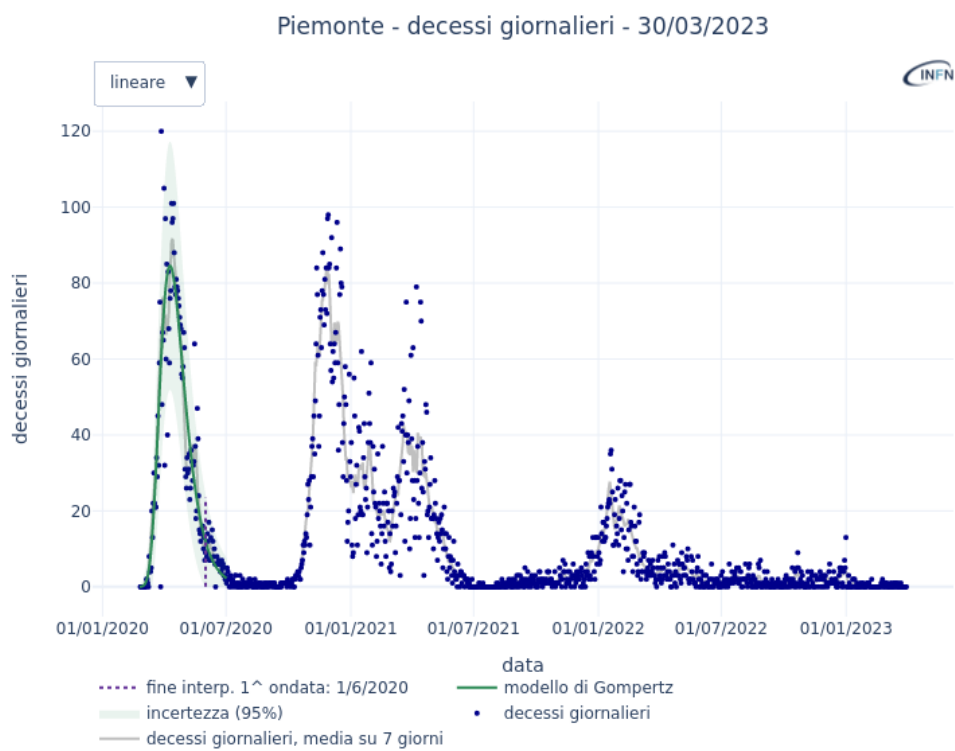


Fig. 542

Valle d'Aosta - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

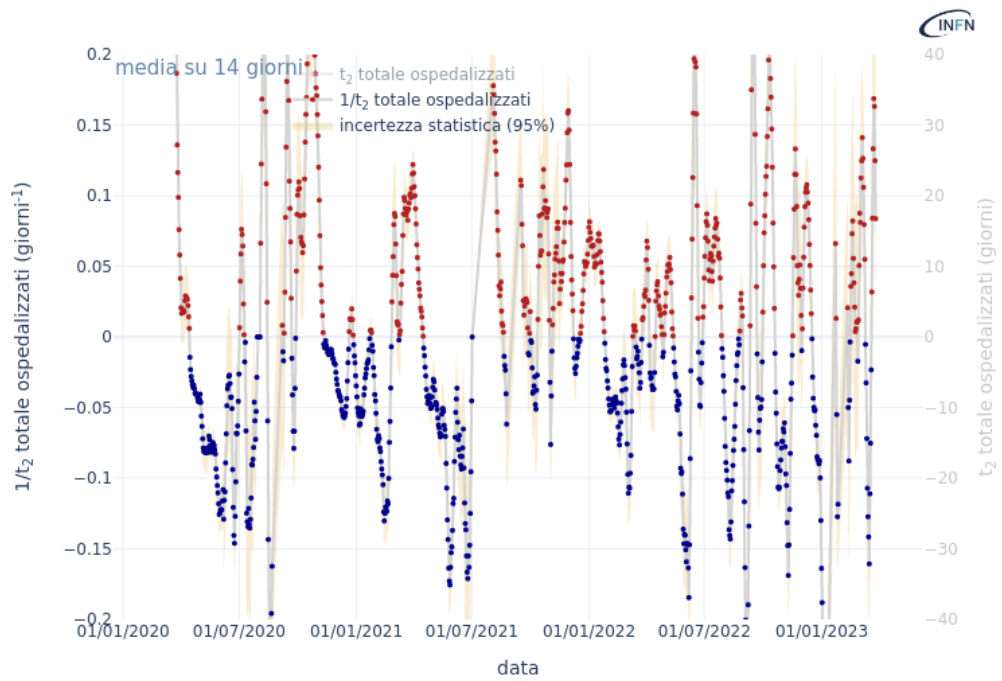


Fig. 543

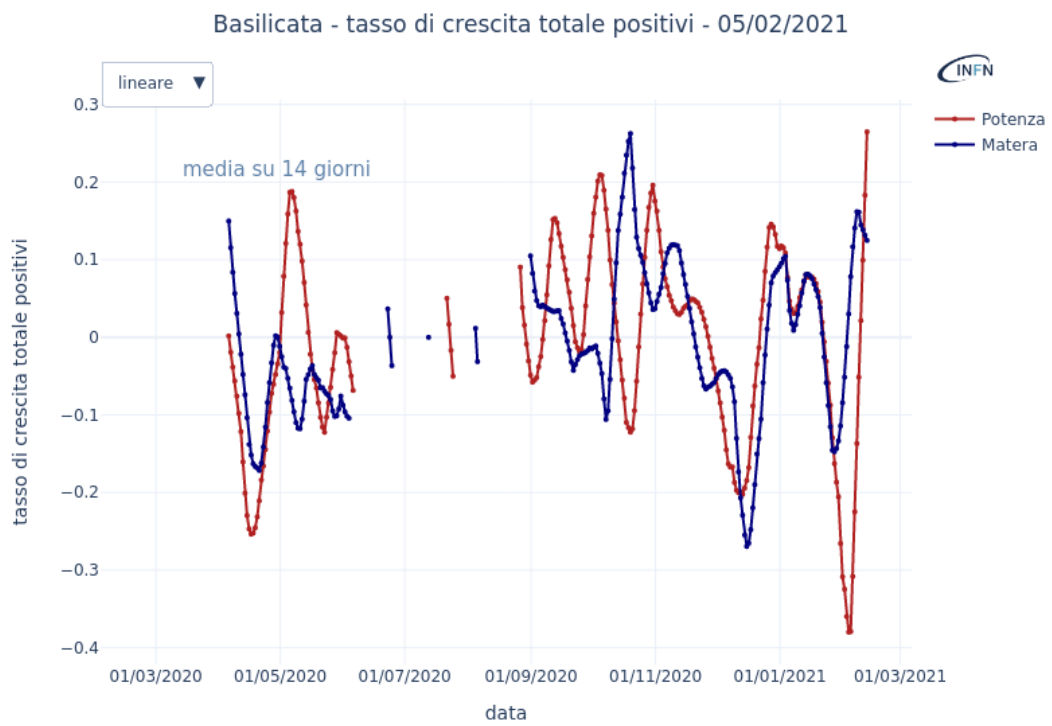


Fig. 544



Campania - tempo di raddoppio (inverso) totale positivi - 30/03/2023

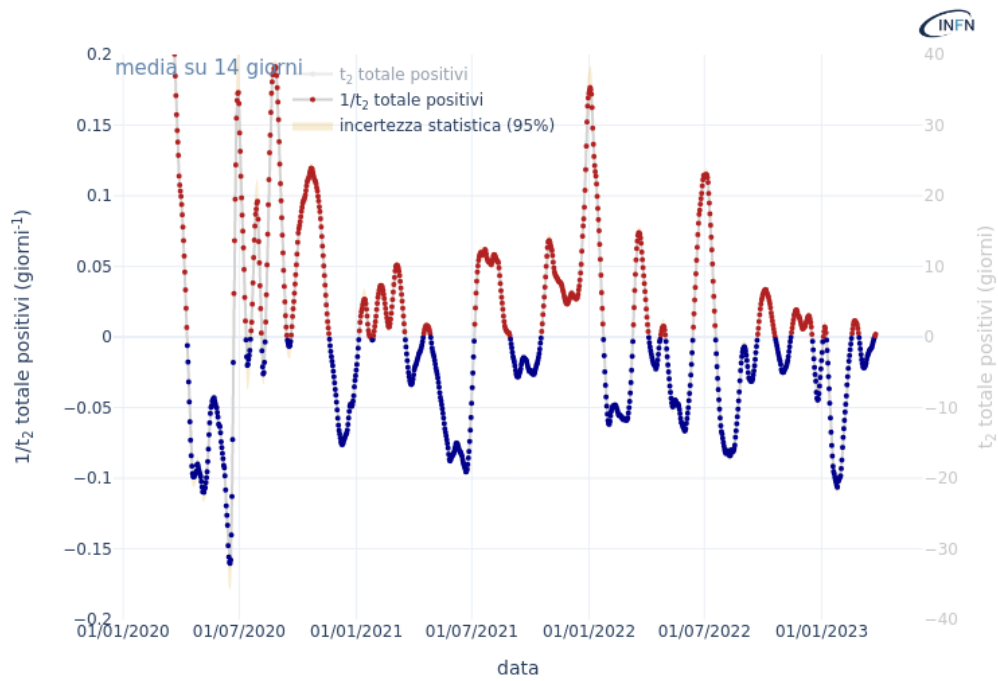


Fig. 545

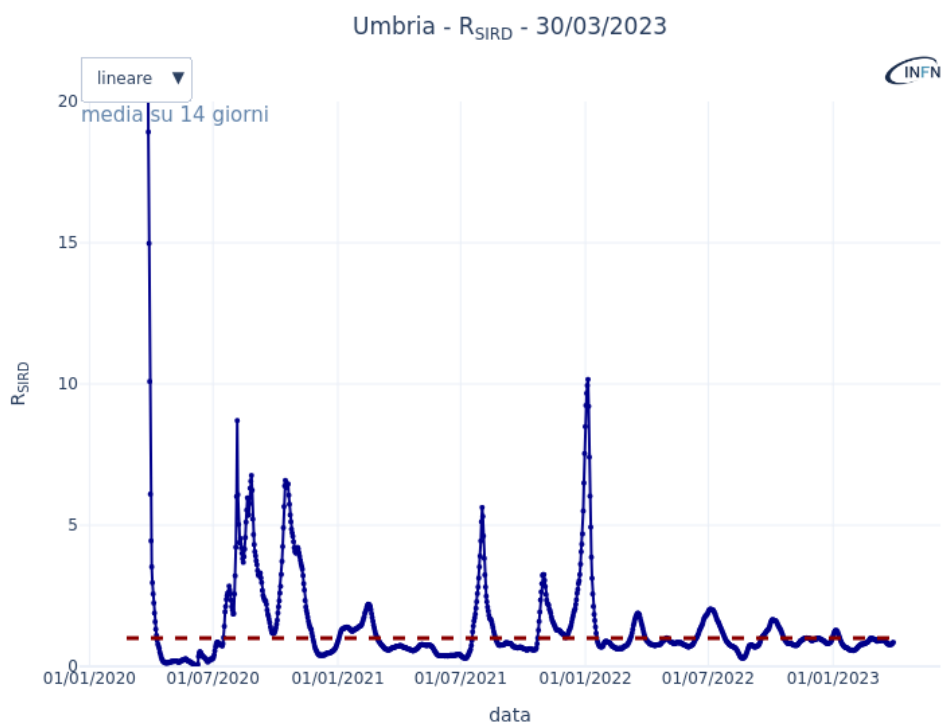


Fig. 546

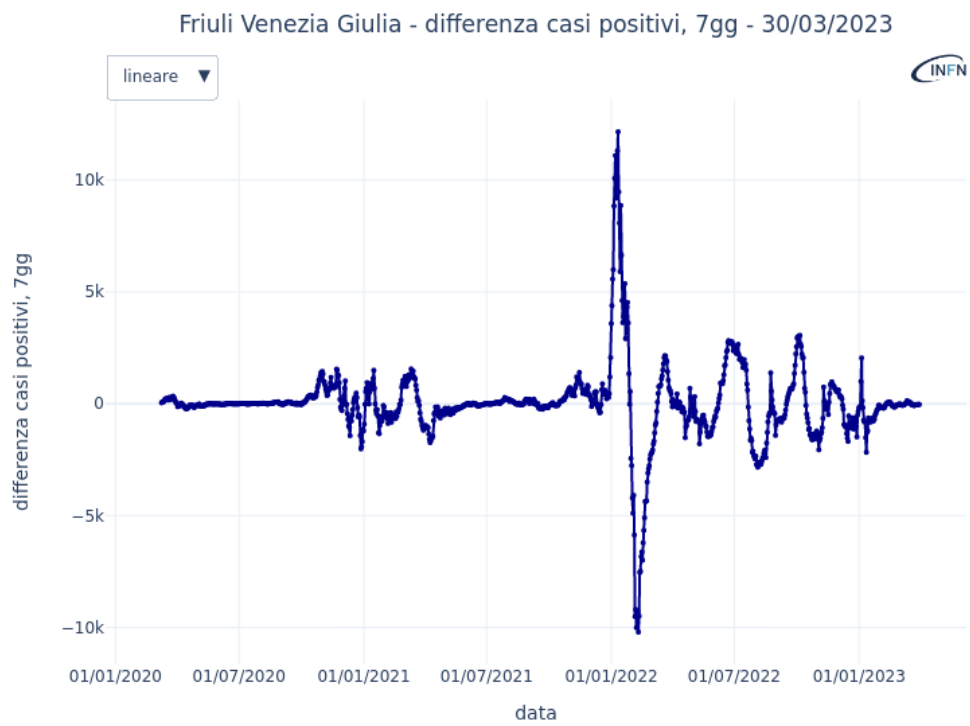


Fig. 547

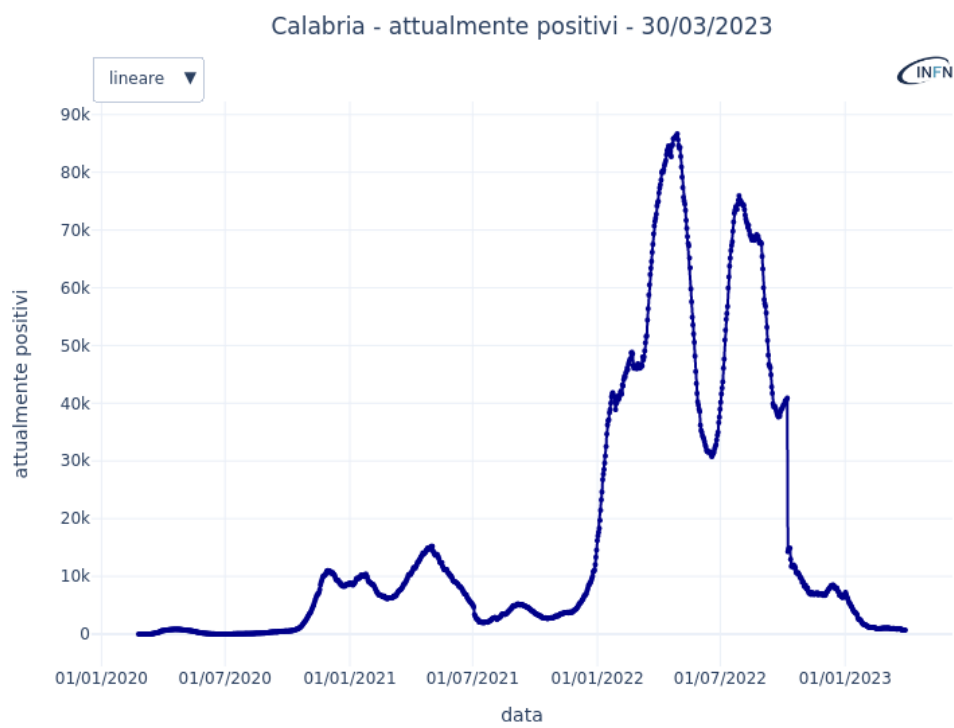


Fig. 548

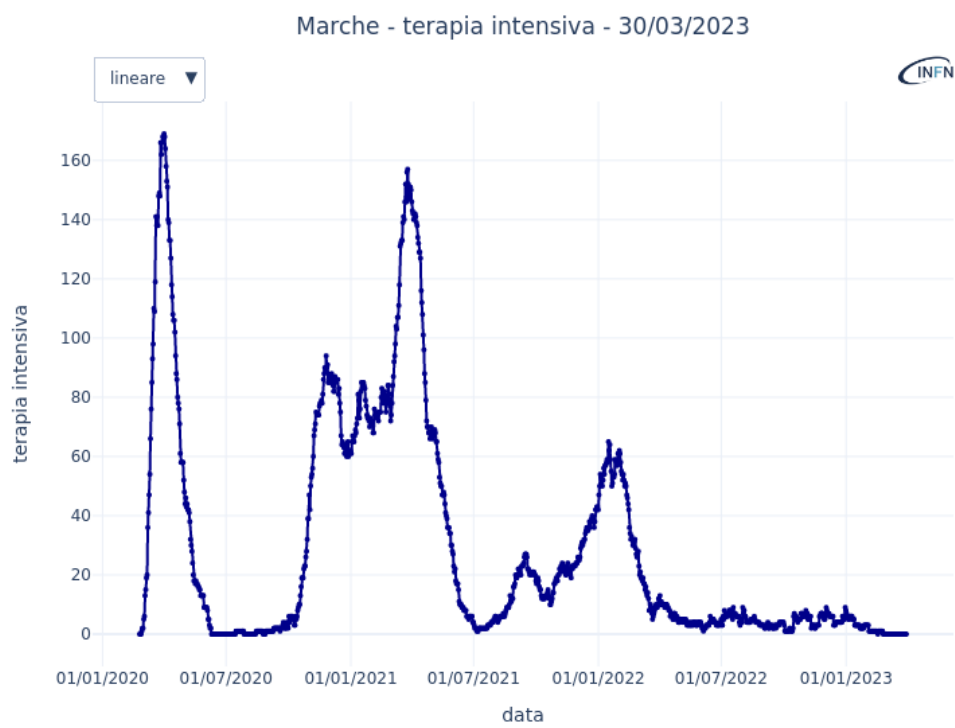


Fig. 549

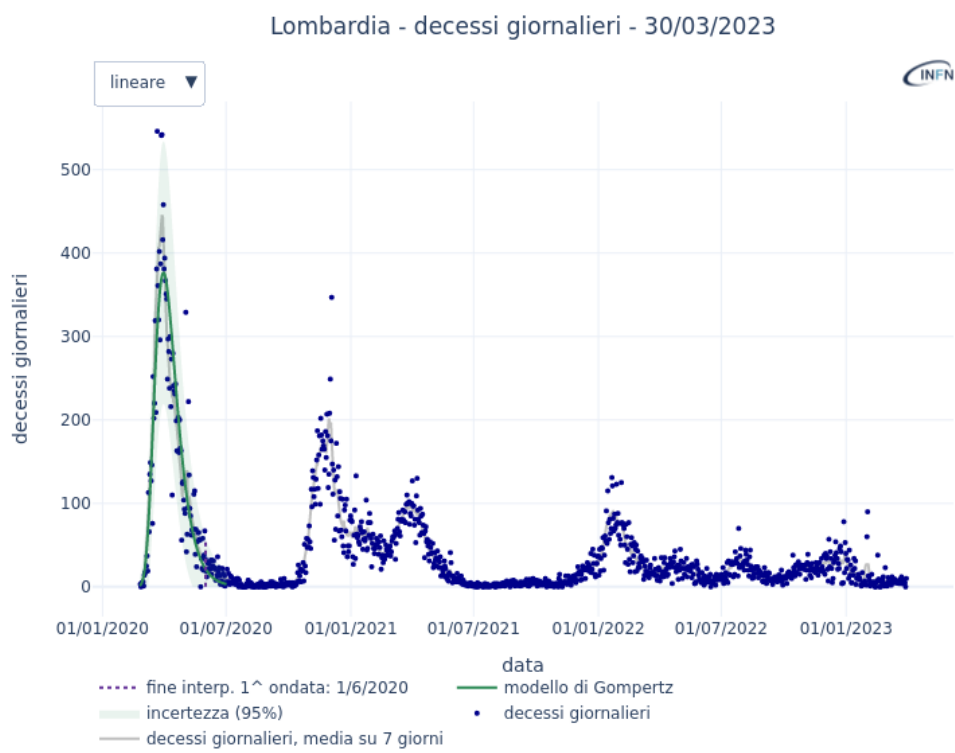


Fig. 550

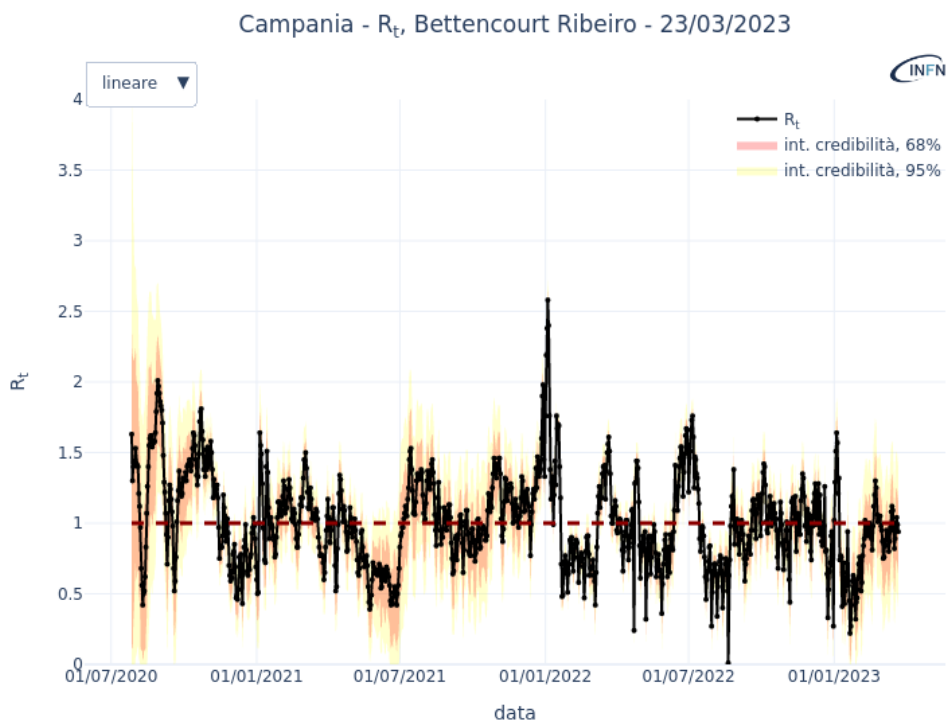


Fig. 551

Trentino Alto Adige - tasso di crescita decessi - 30/03/2023

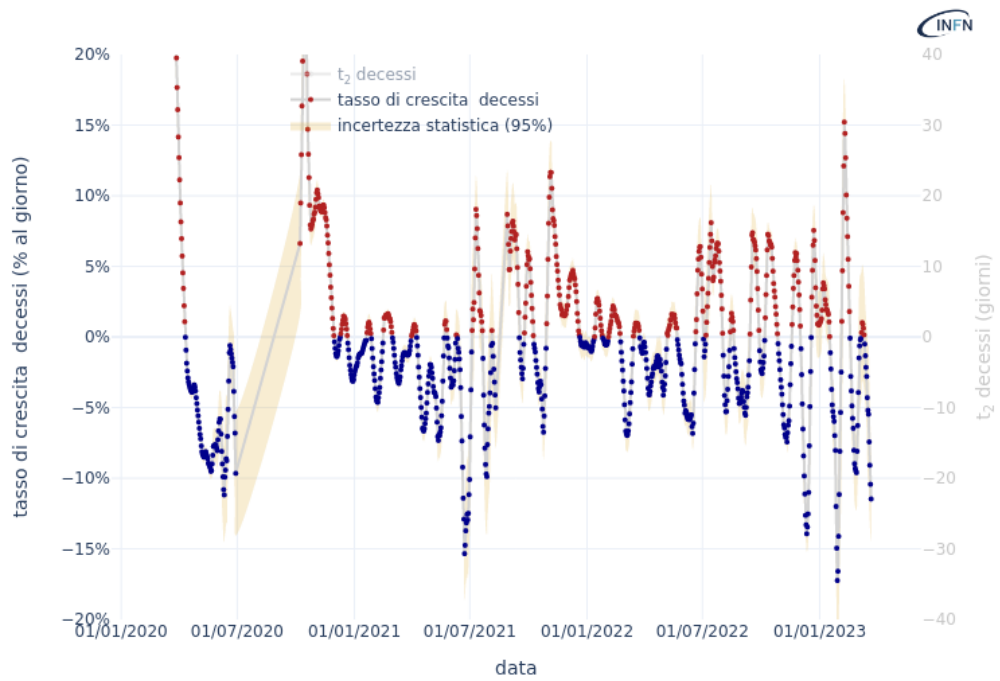


Fig. 552



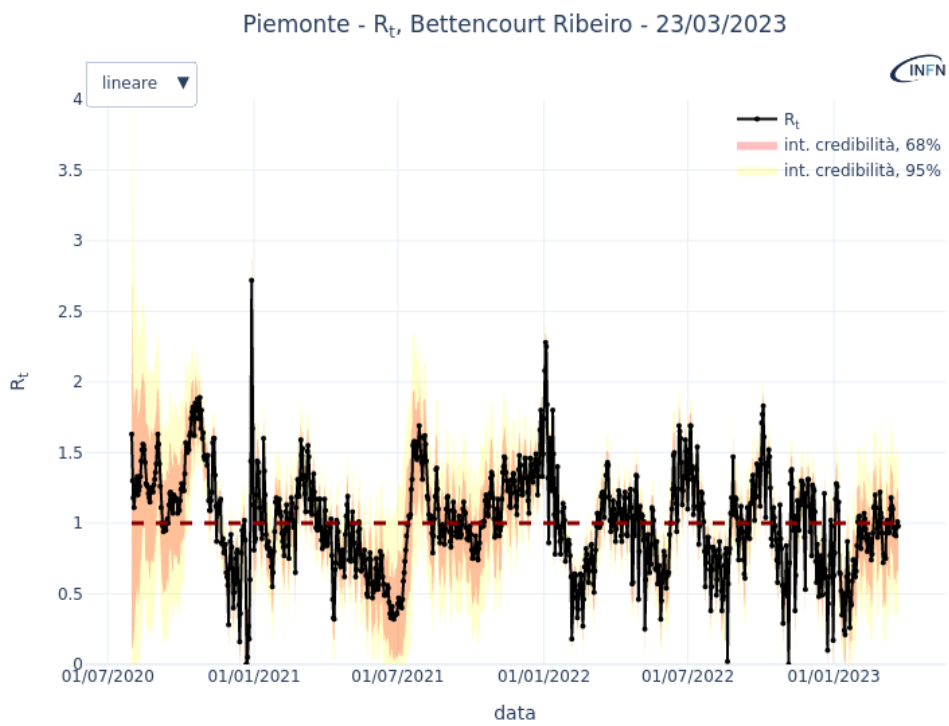


Fig. 553

Centro Italia - tempo di raddoppio (inverso) decessi - 30/03/2023

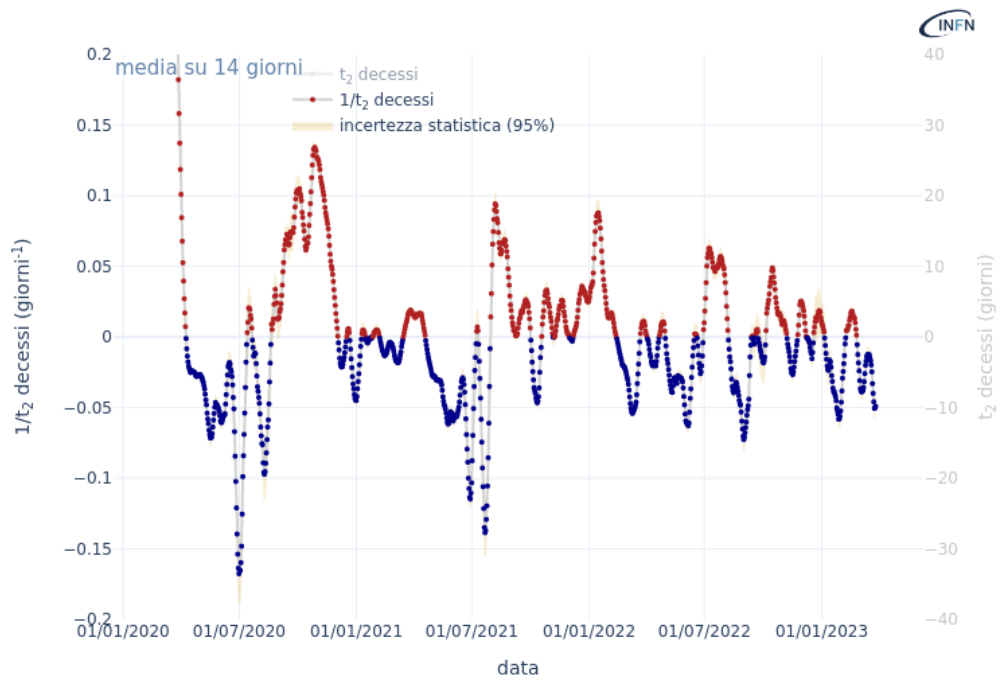


Fig. 554

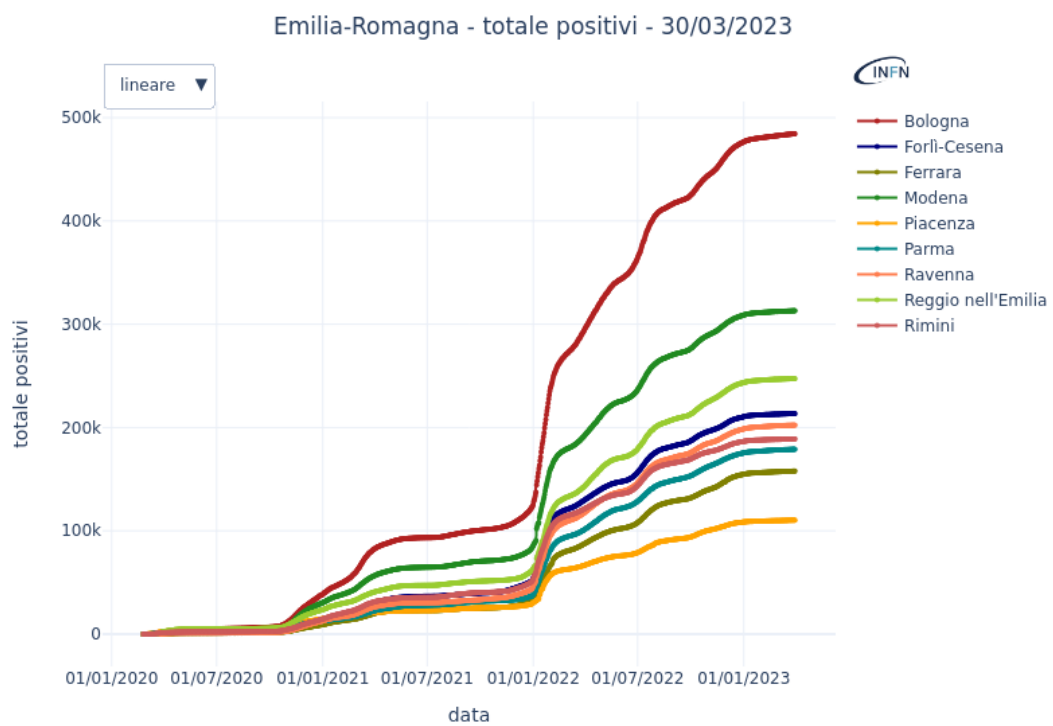


Fig. 555

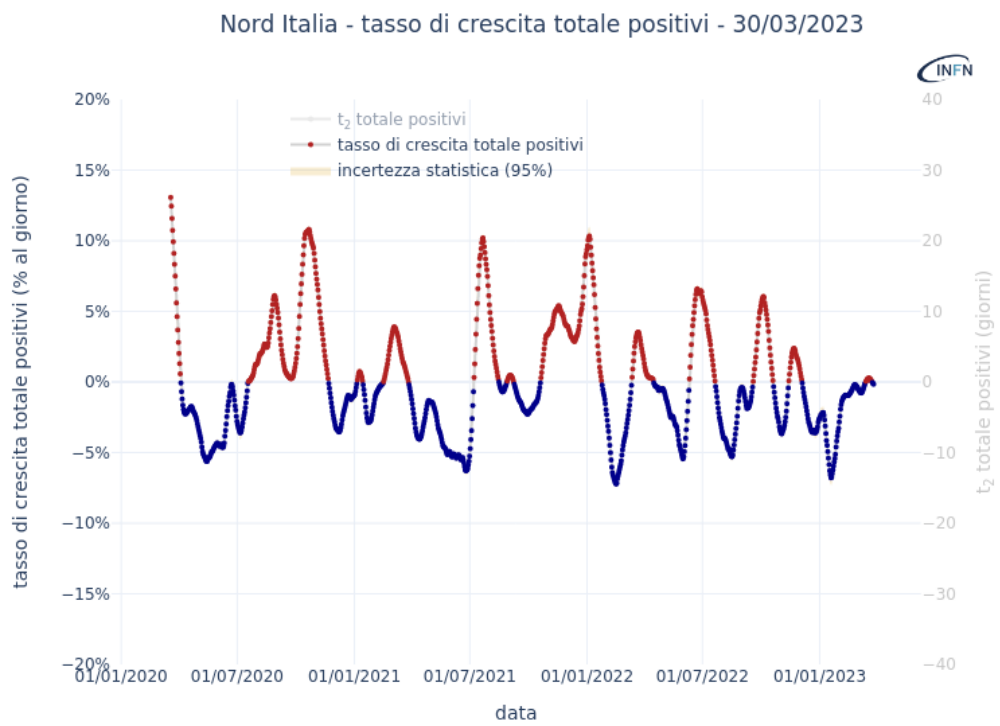
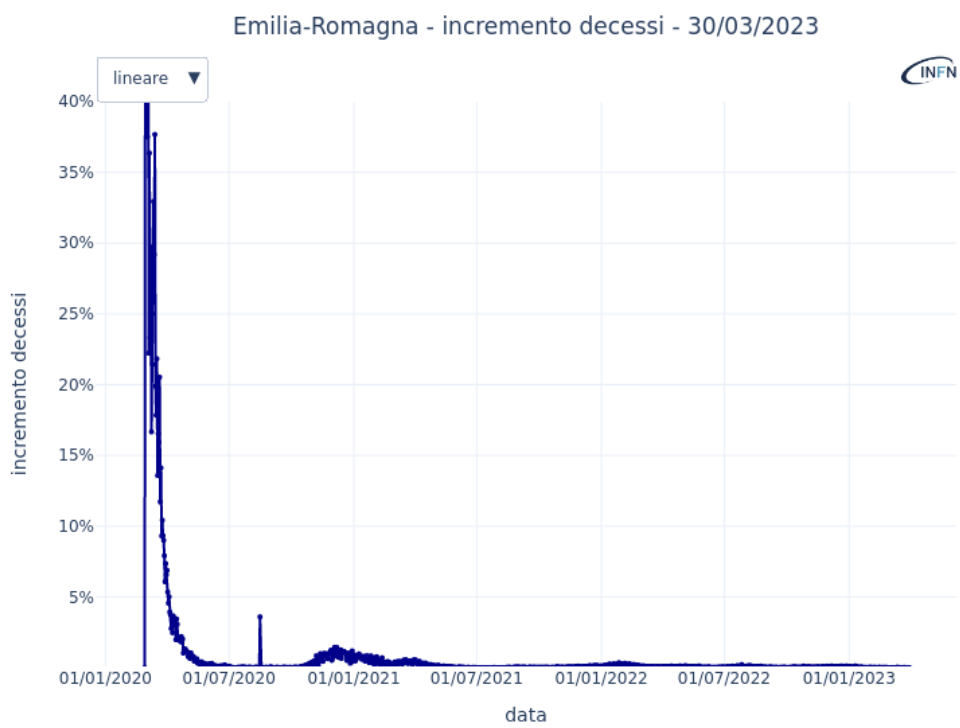


Fig. 556



Puglia - positivi giornalieri - residui - 30/03/2023

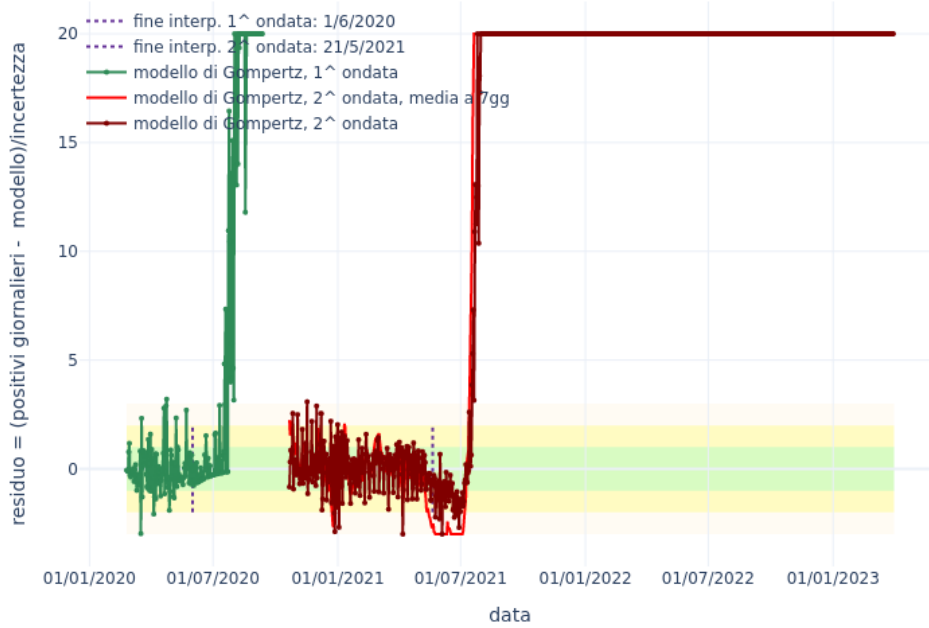


Fig. 558

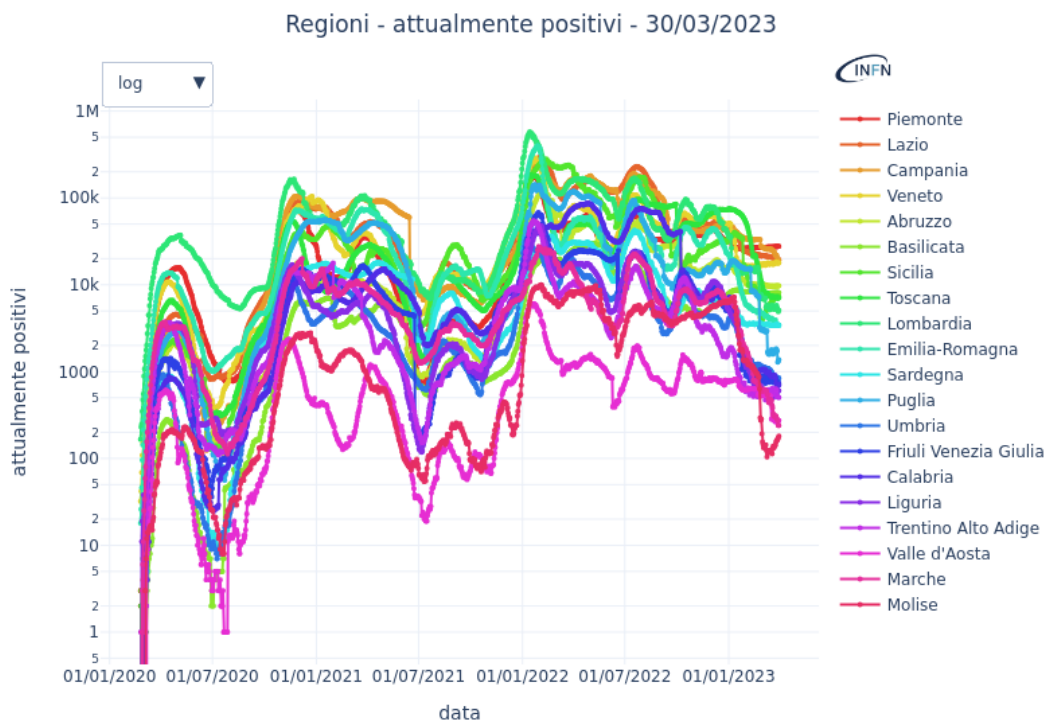


Fig. 559

Nord Italia - tempo di raddoppio (inverso) totale ospedalizzati - 30/03/2023

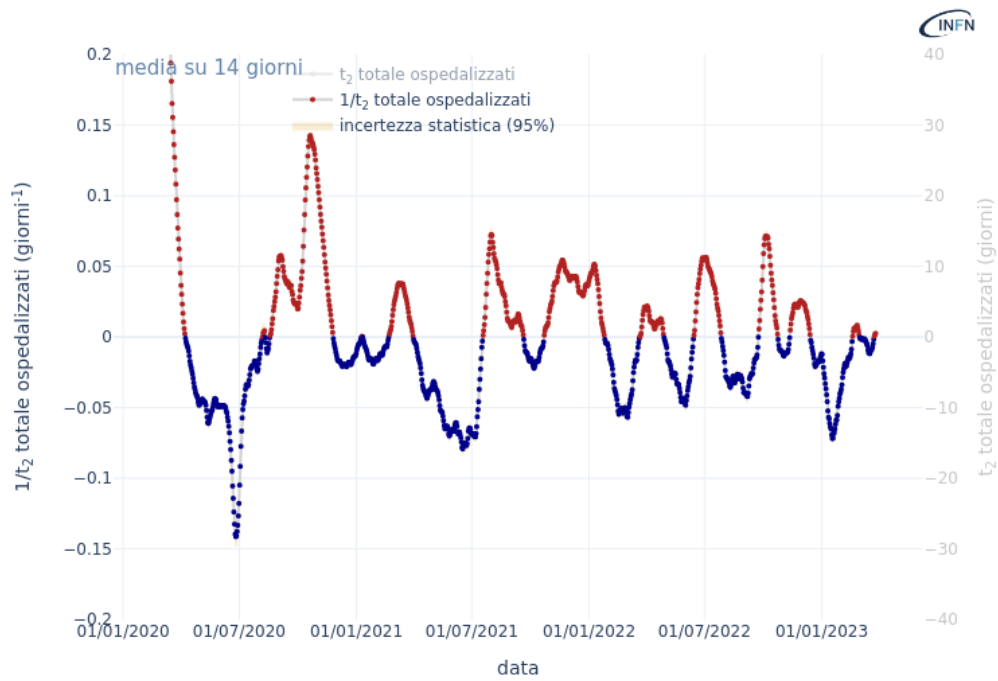


Fig. 560



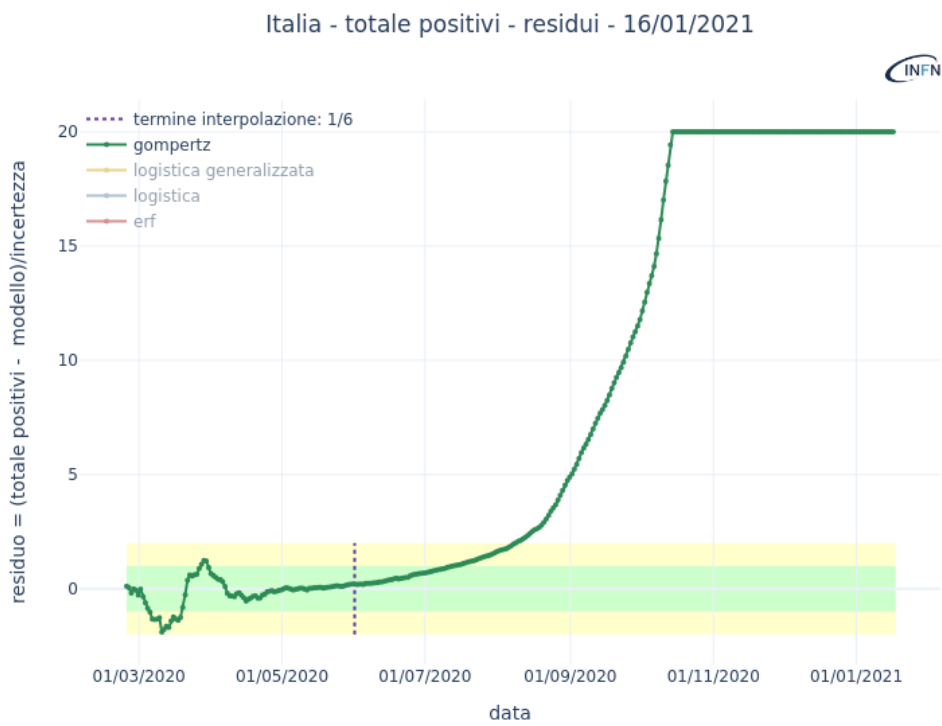


Fig. 561

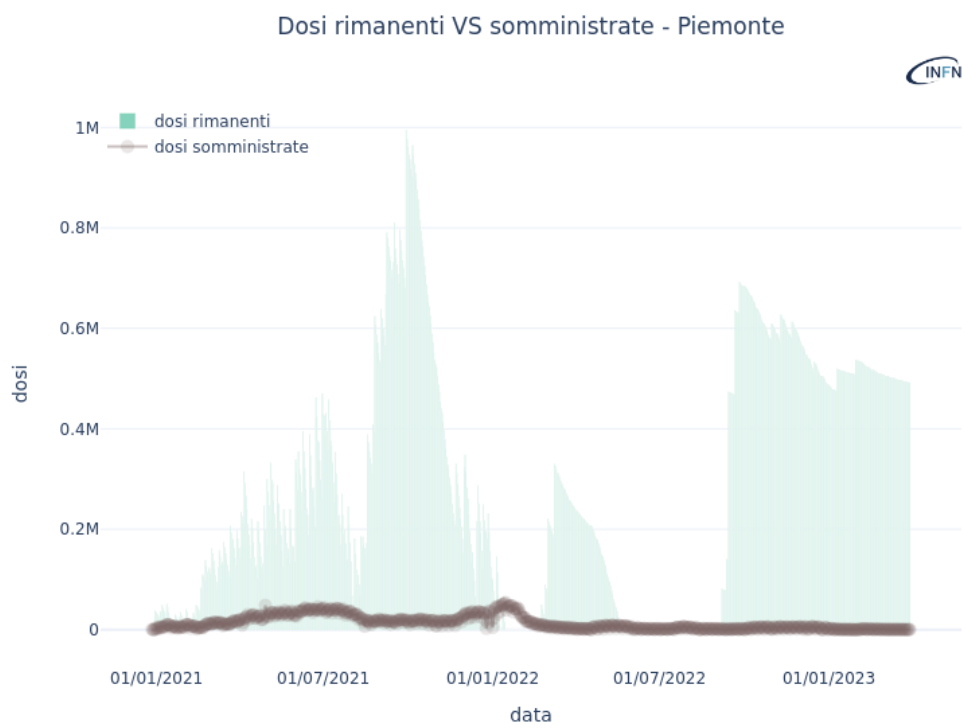


Fig. 562

Sardegna - incidenza della vaccinazione per fascia d'età

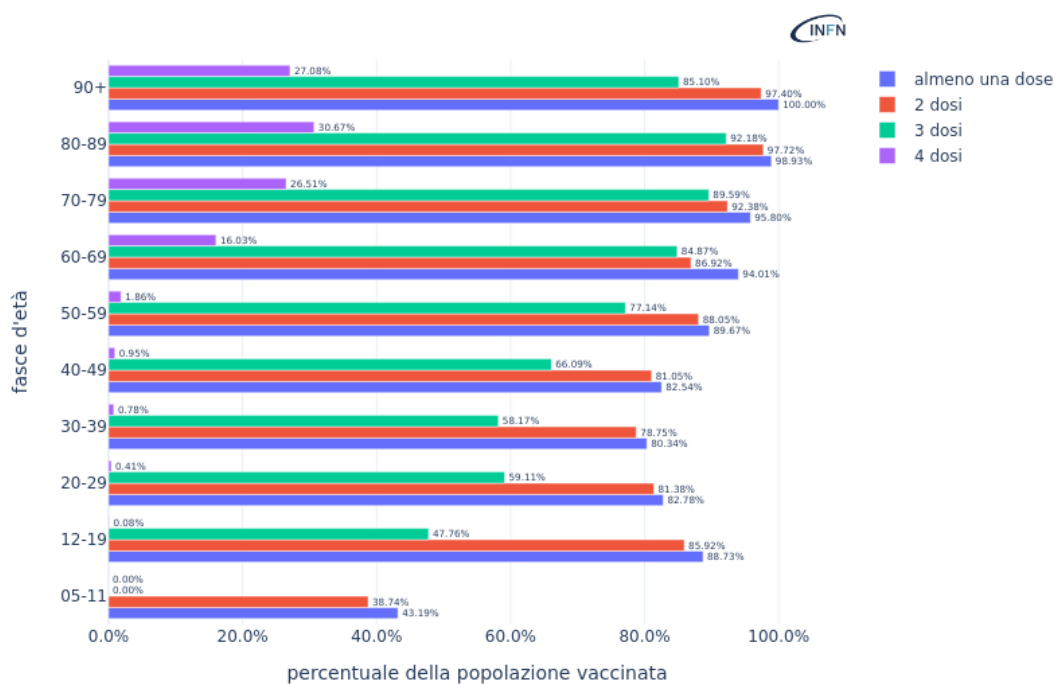


Fig. 563

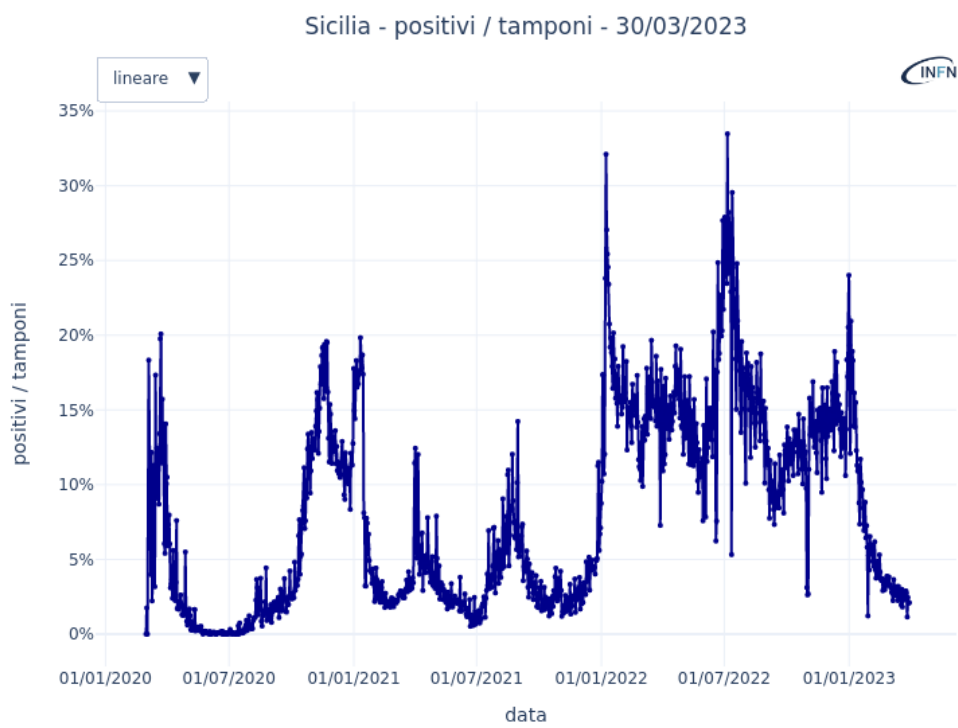


Fig. 564

Italia - tempo di raddoppio (inverso) decessi - 30/03/2023

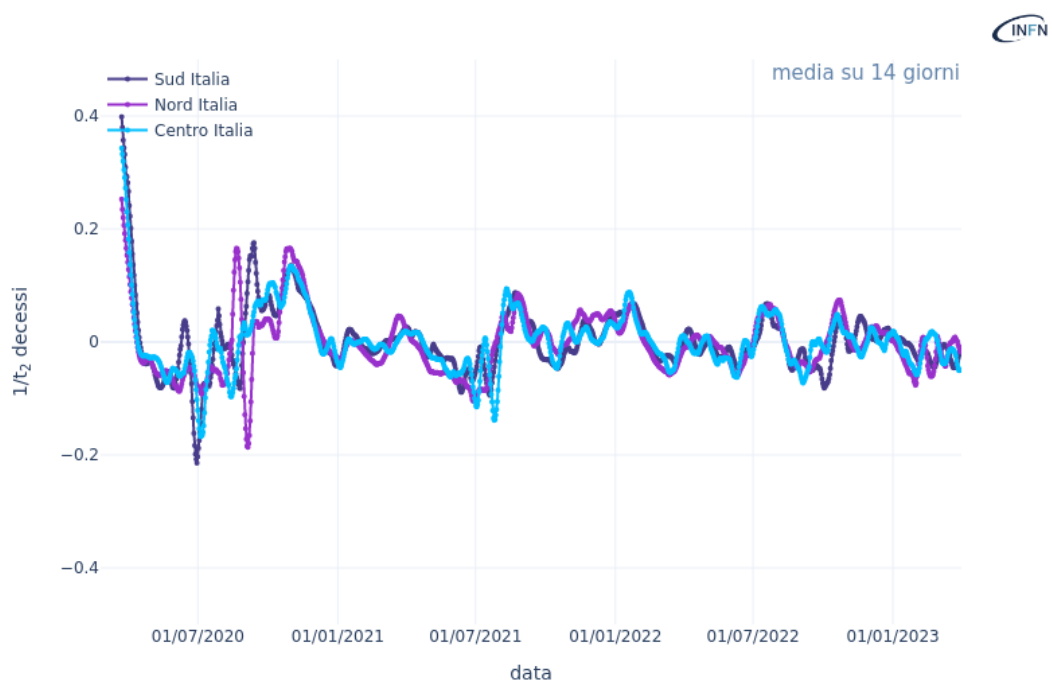


Fig. 565

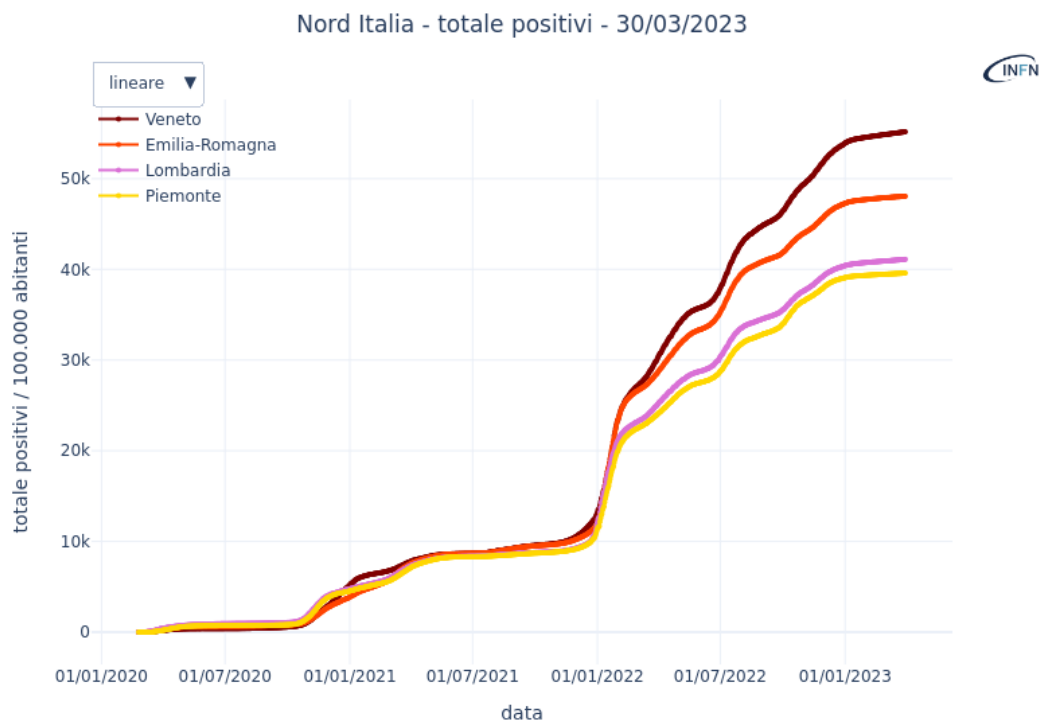


Fig. 566

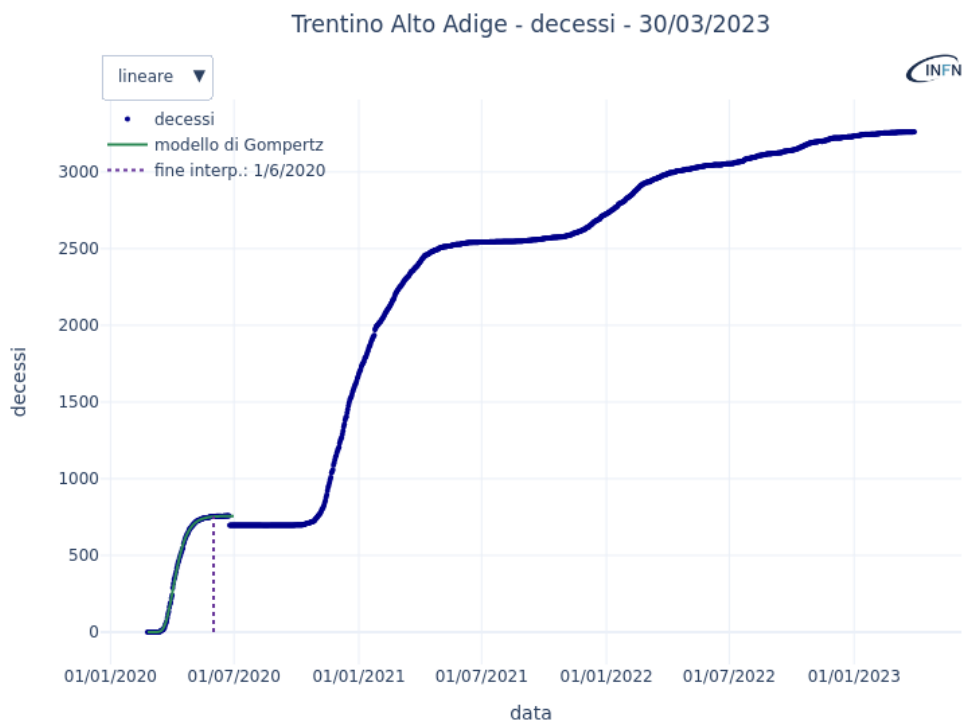


Fig. 567



Fig. 568





Fig. 569

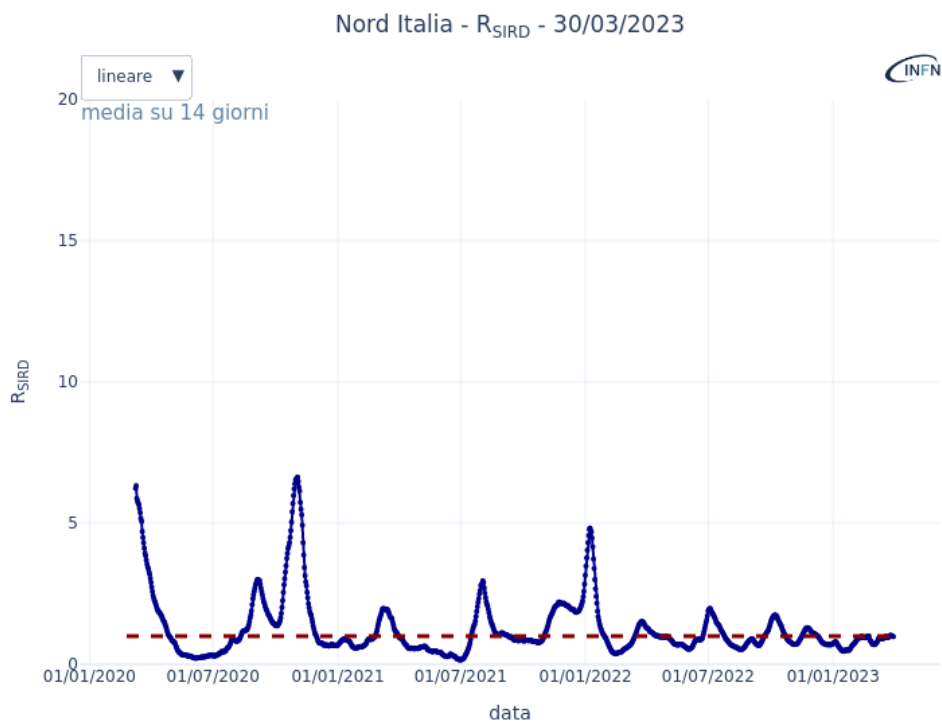


Fig. 570

### Dosi somministrate - Valle d'Aosta

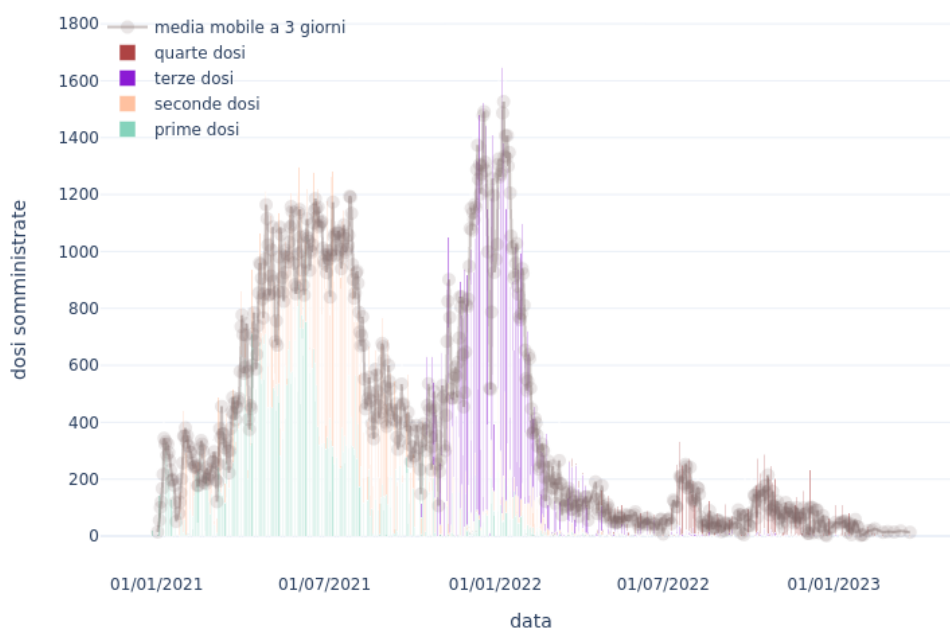


Fig. 571



Fig. 572

somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Friuli-Venezia G

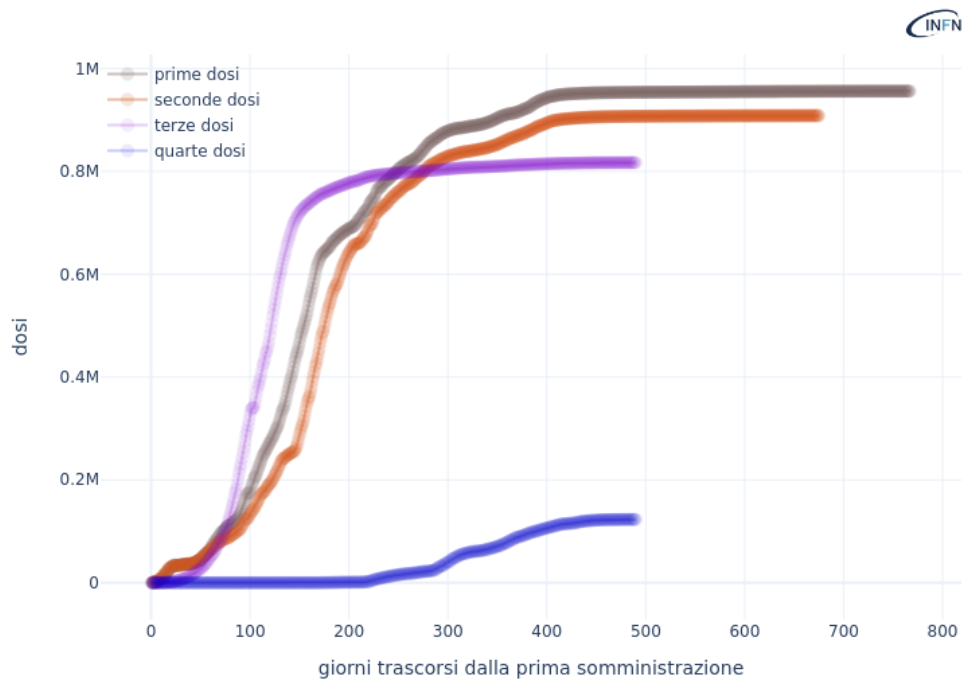


Fig. 573

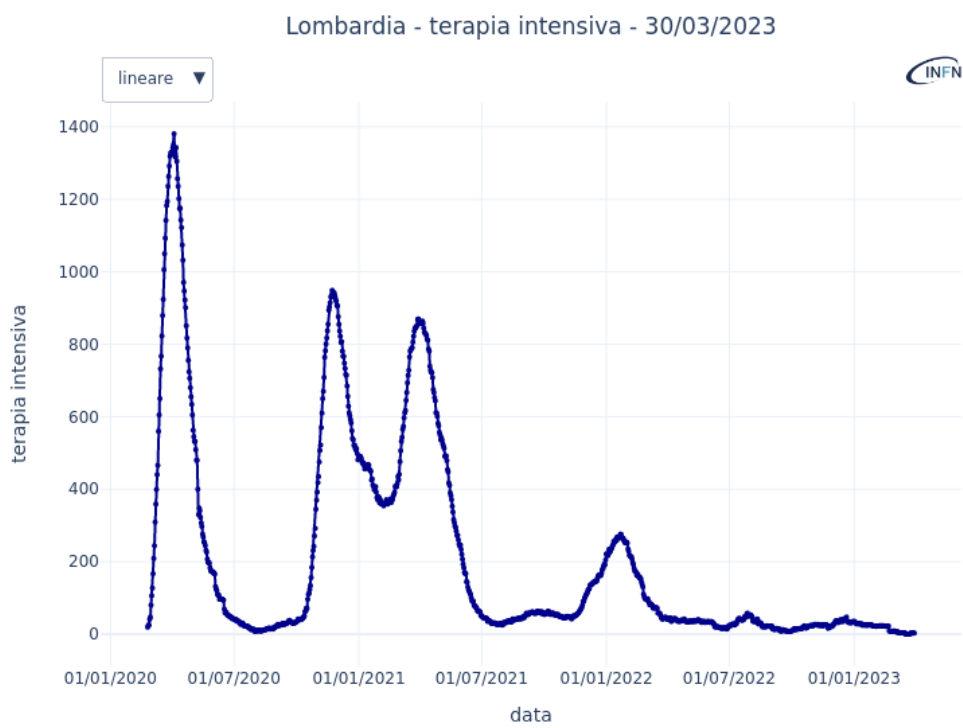


Fig. 574

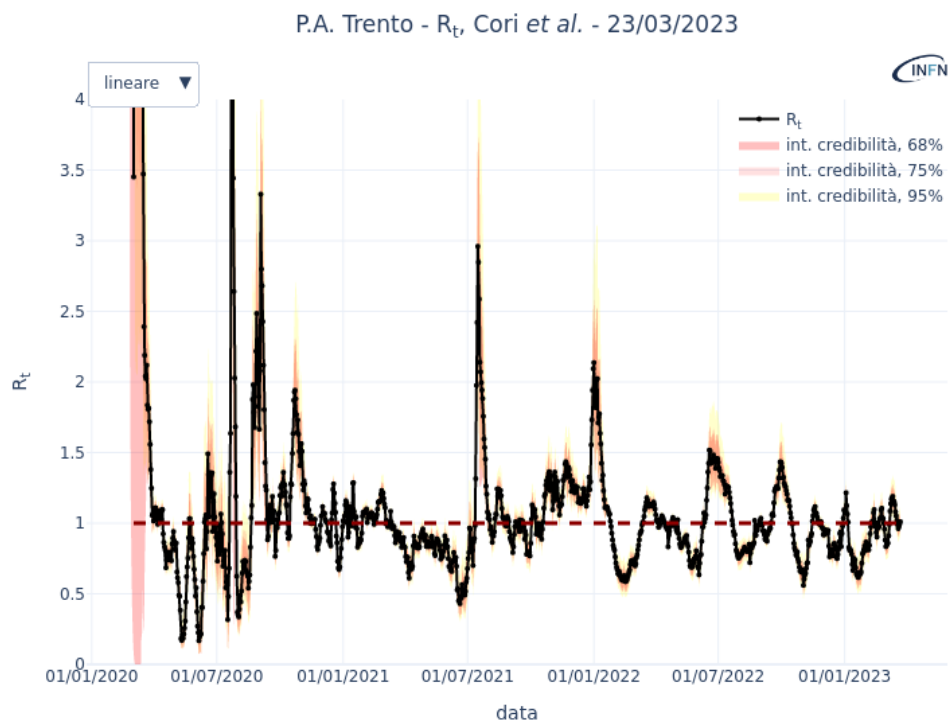


Fig. 575

Toscana - positivi giornalieri - residui - 30/03/2023

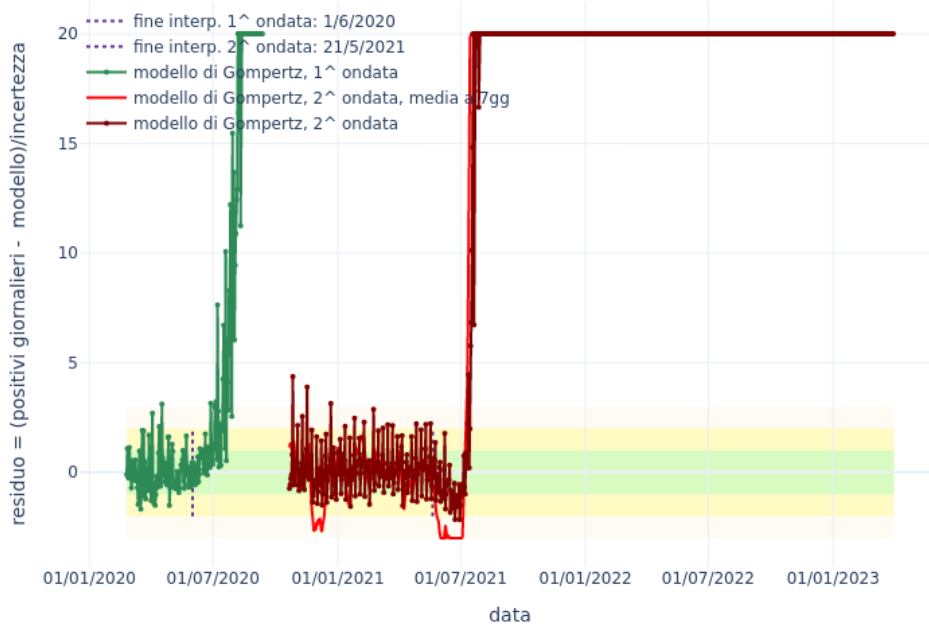


Fig. 576



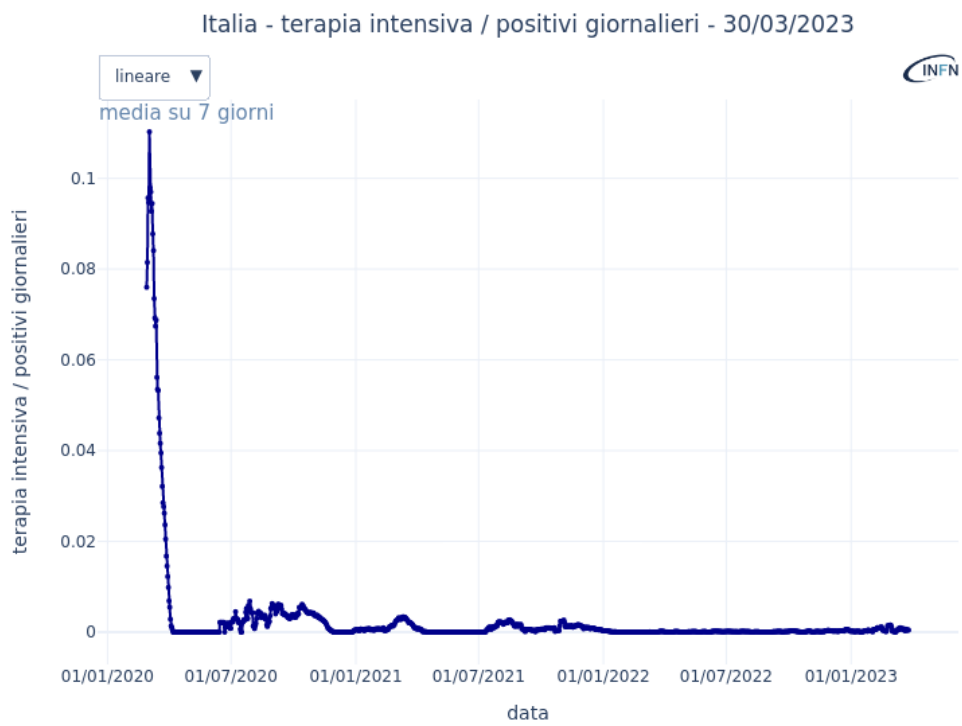


Fig. 577

Friuli Venezia Giulia - tasso di crescita totale positivi - 30/03/2023

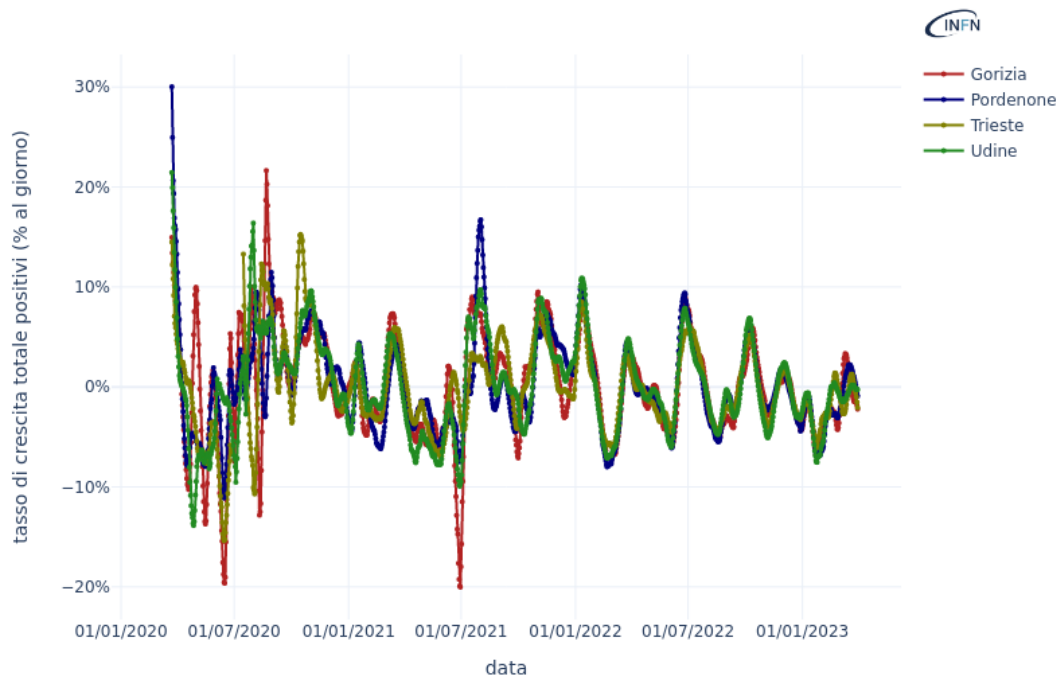


Fig. 578



Fig. 579

Incidenza della vaccinazione sulla popolazione al 31/03/2023

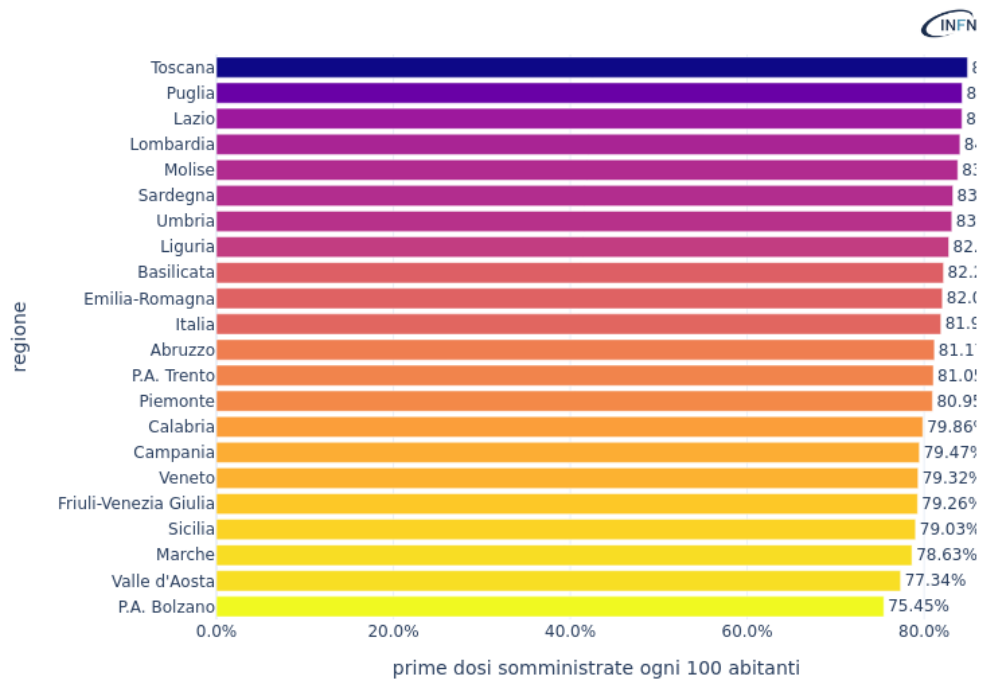


Fig. 580

Italia - Bendford - decessi - 11/08/2021

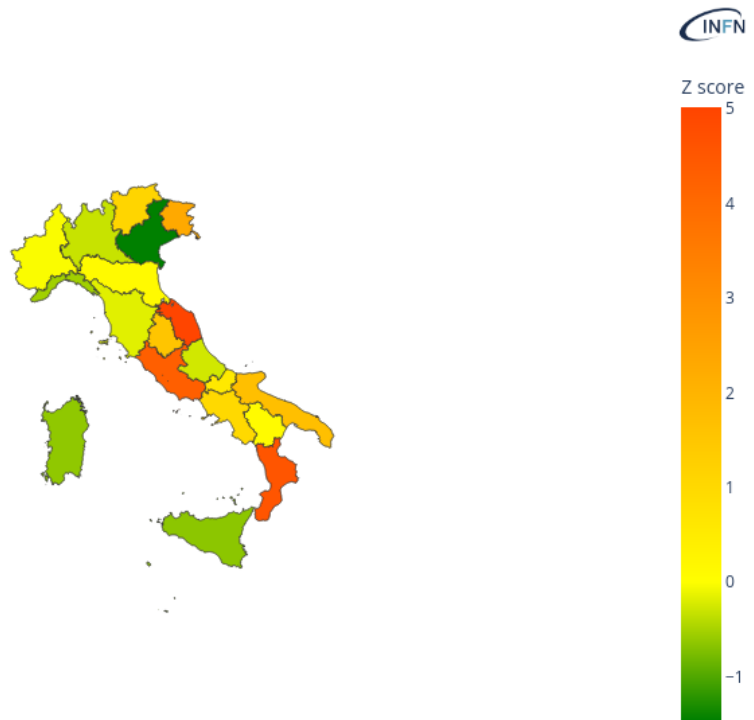


Fig. 581

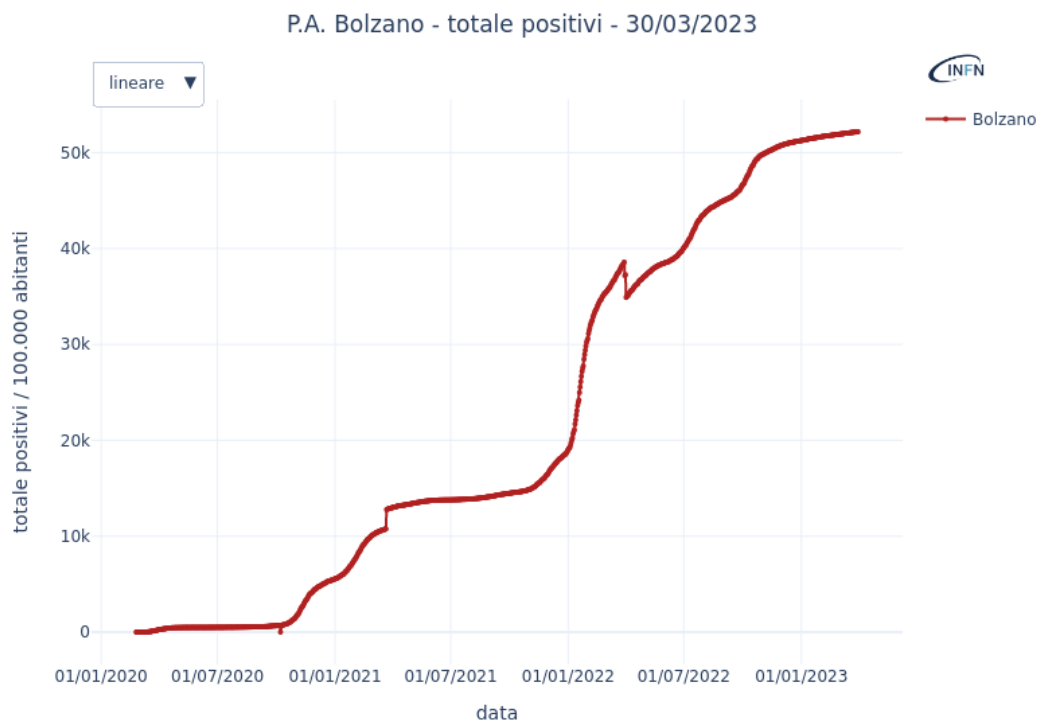


Fig. 582

Liguria - tempo di raddoppio terapia intensiva - 30/03/2023

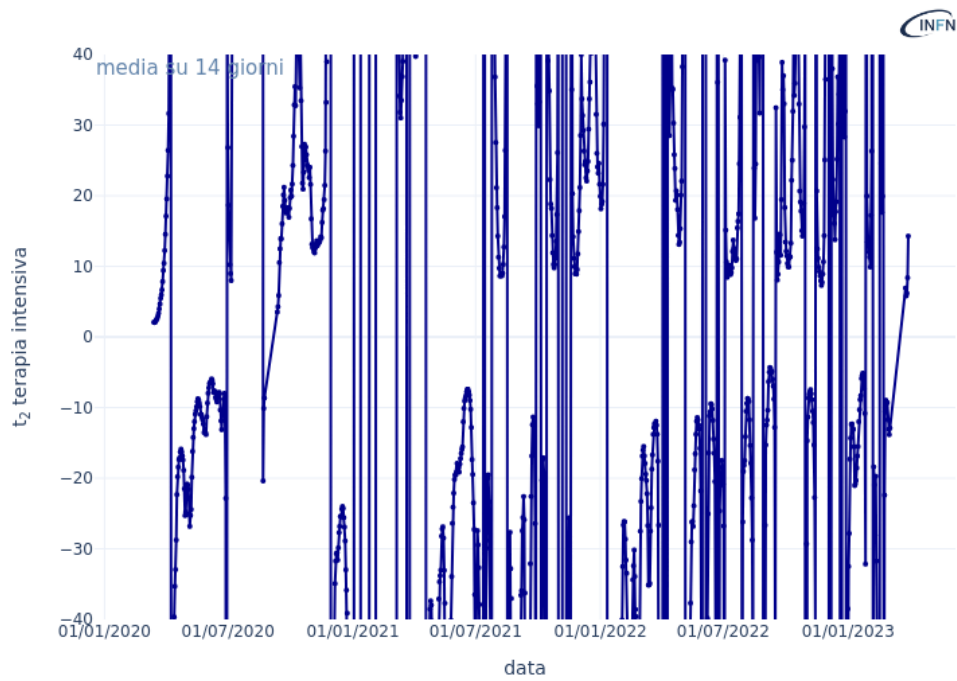


Fig. 583

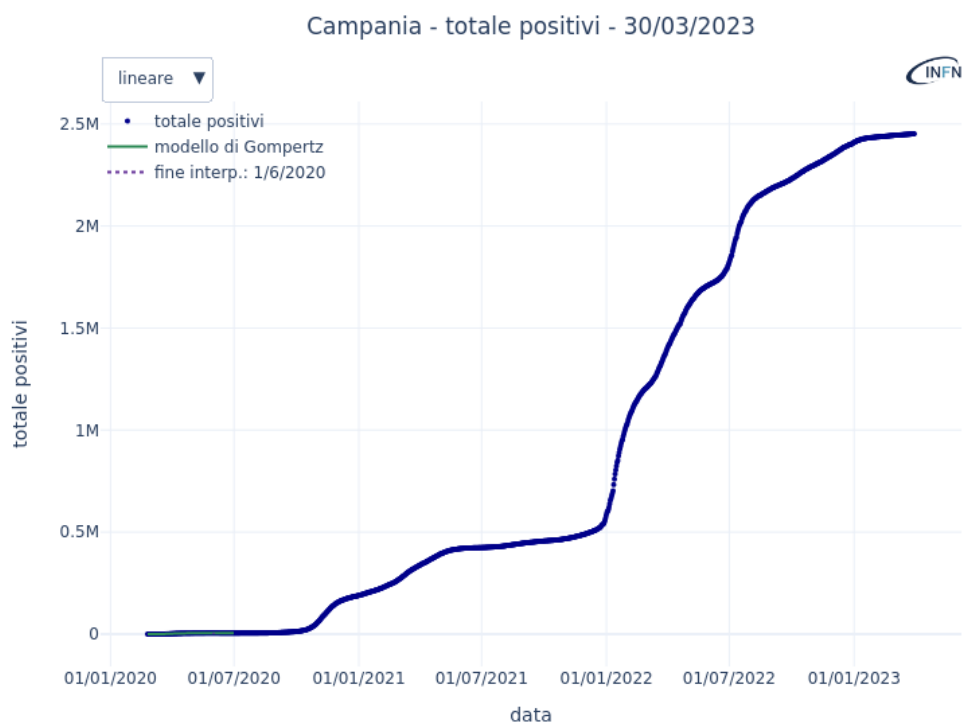


Fig. 584



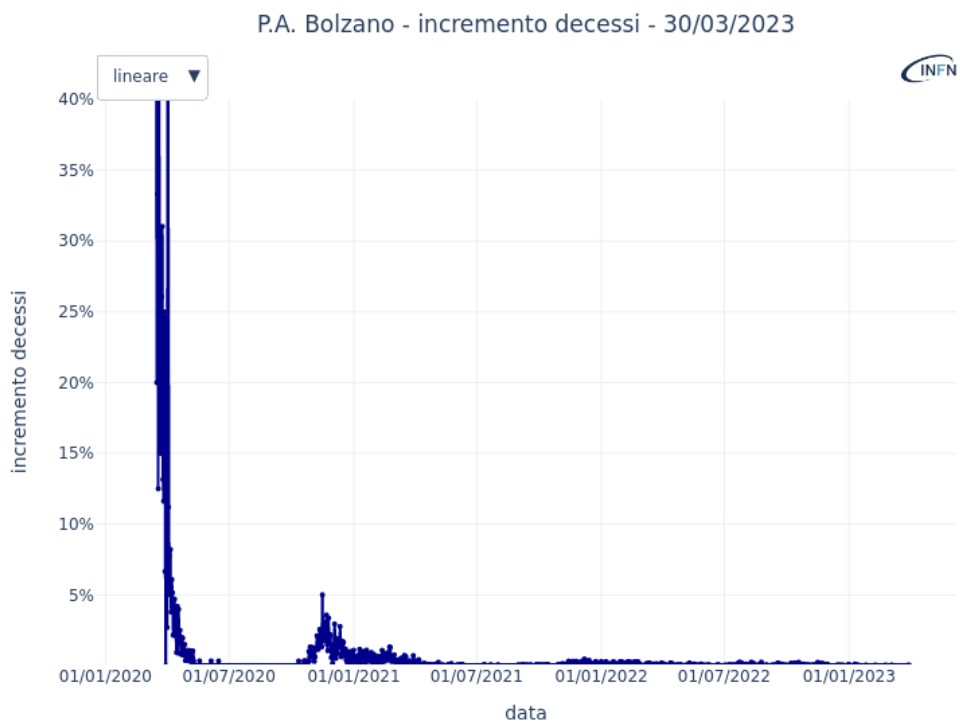


Fig. 585



Fig. 586

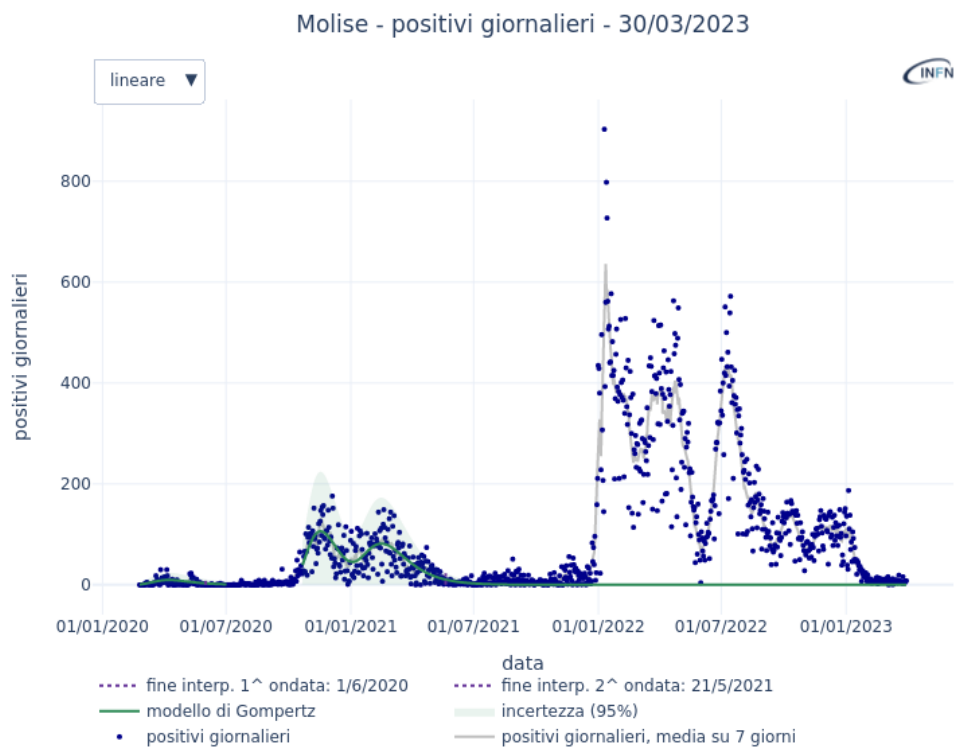


Fig. 587

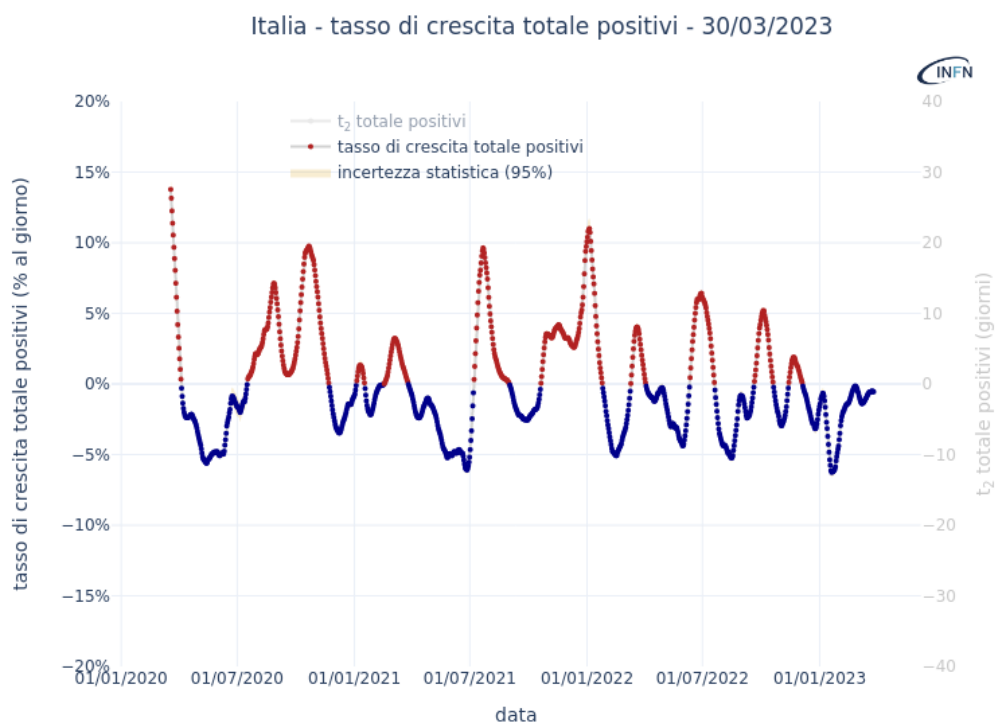


Fig. 588

Umbria - tempo di raddoppio terapia intensiva - 30/03/2023

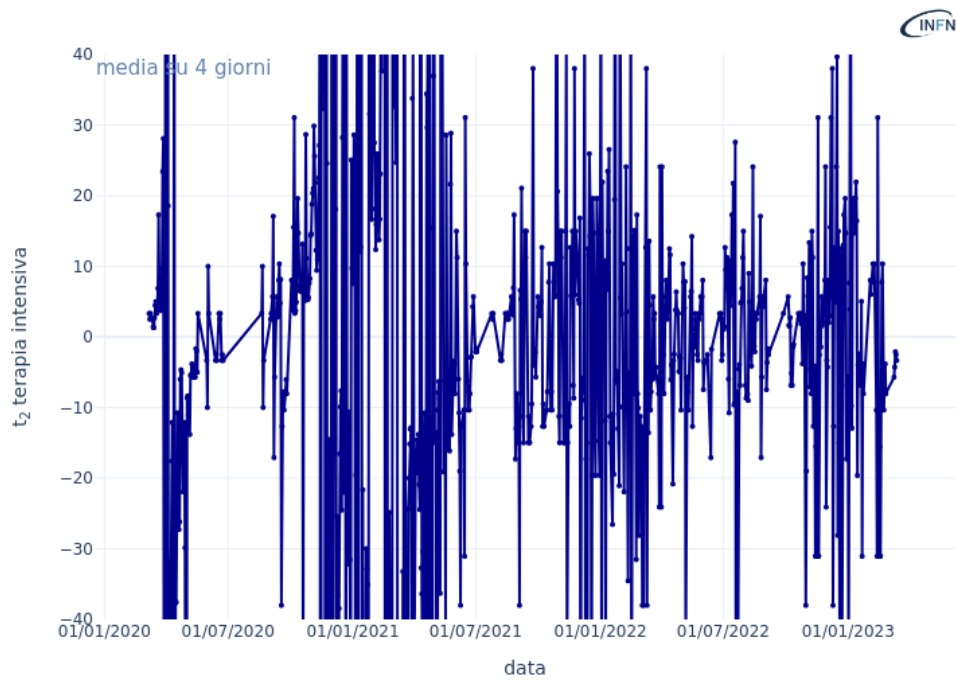


Fig. 589

### Dosi somministrate - Abruzzo

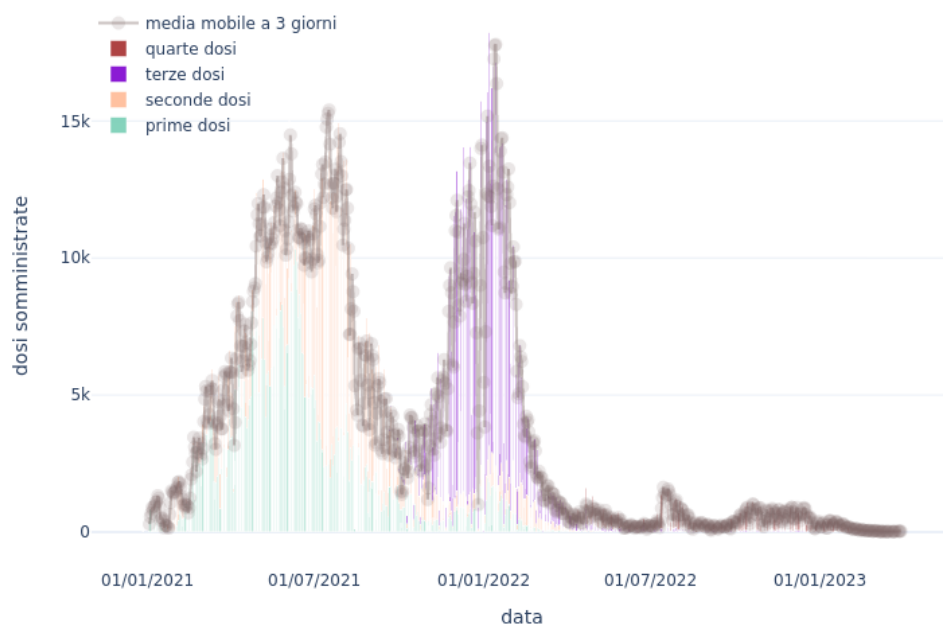


Fig. 590

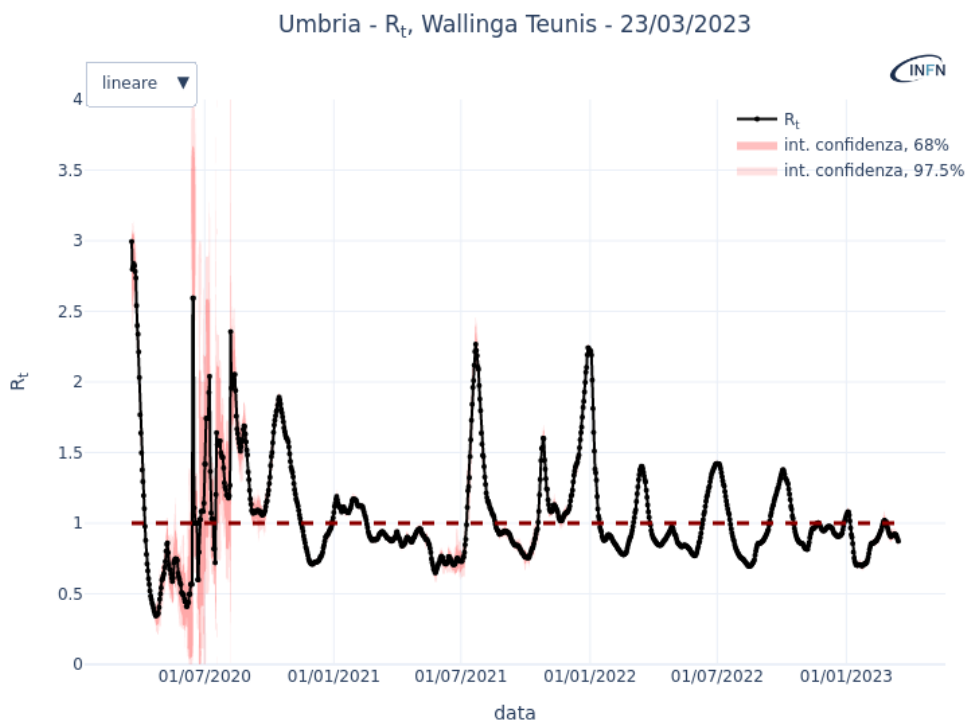


Fig. 591

Italia - positivi giornalieri - 06/04/2021

media su 7 giorni

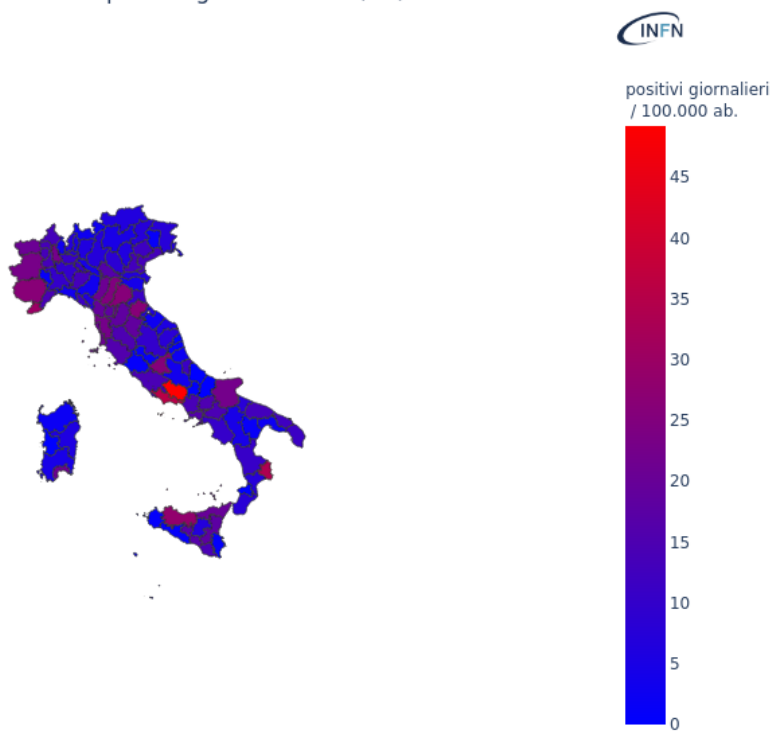


Fig. 592





Fig. 593

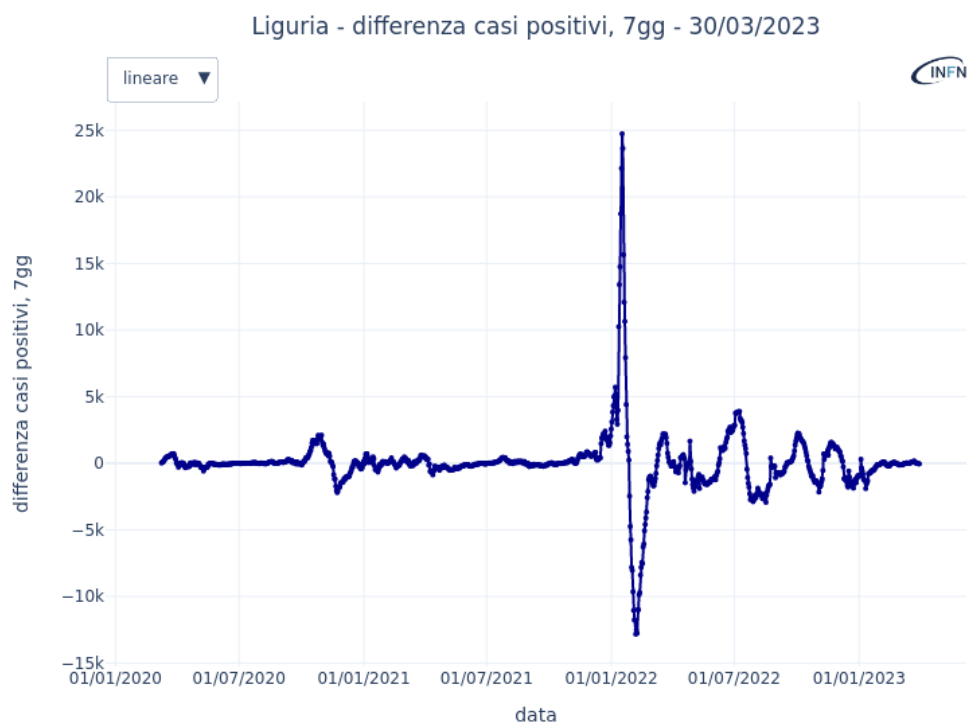


Fig. 594

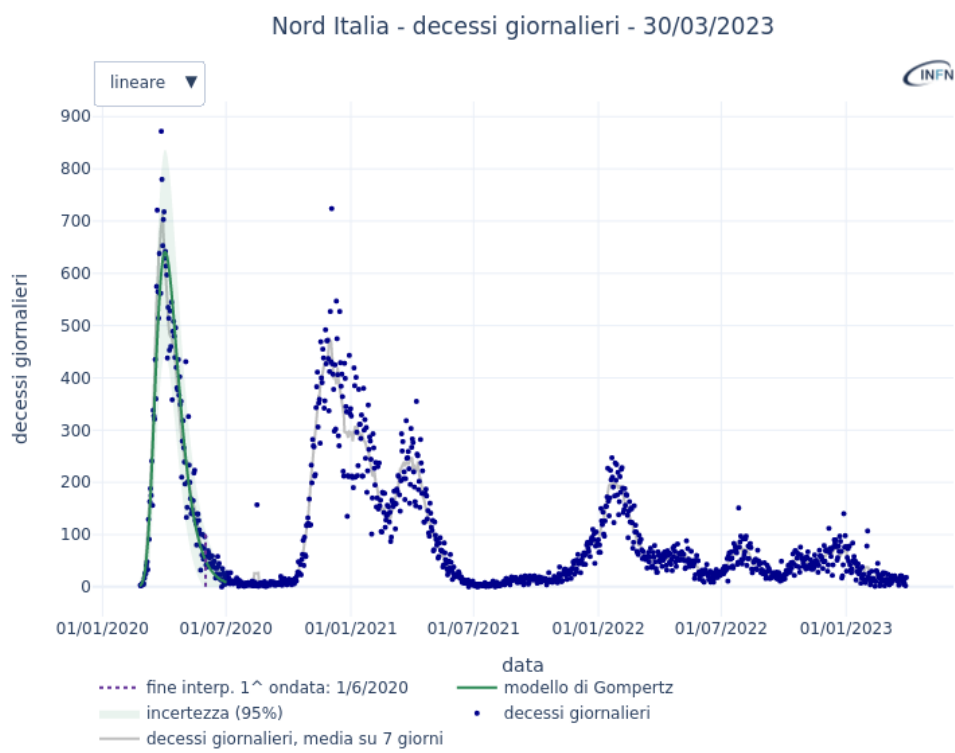


Fig. 595

Basilicata - tempo di raddoppio totale ospedalizzati - 30/03/2023

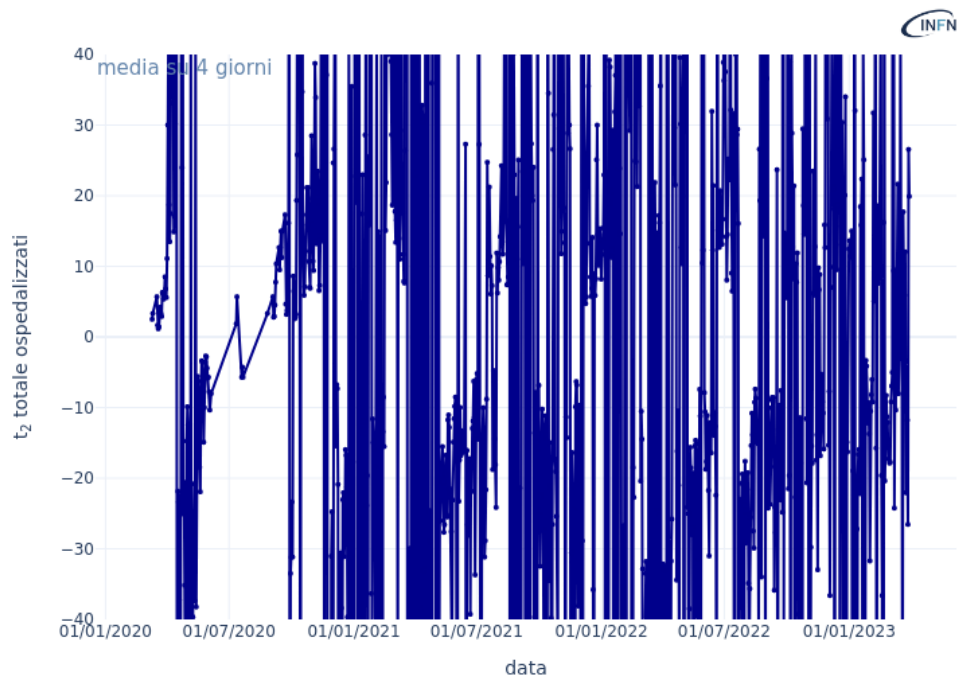


Fig. 596

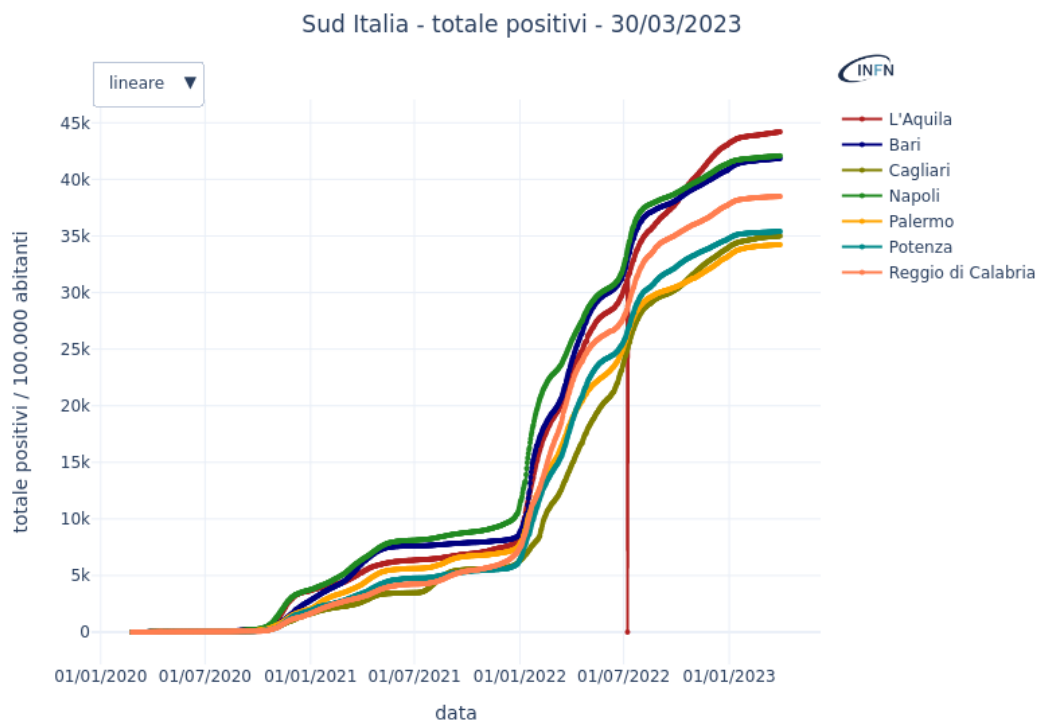


Fig. 597

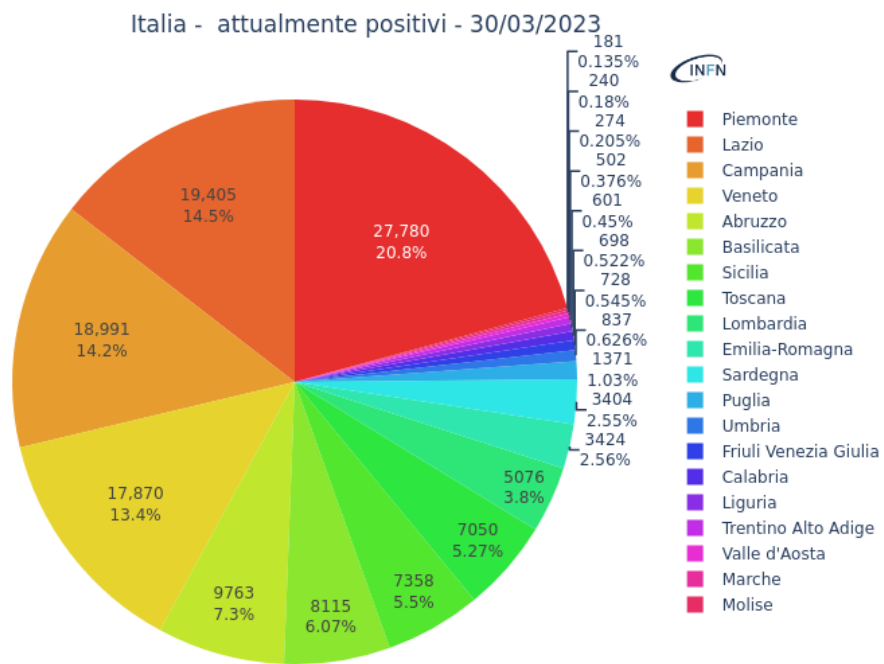


Fig. 598

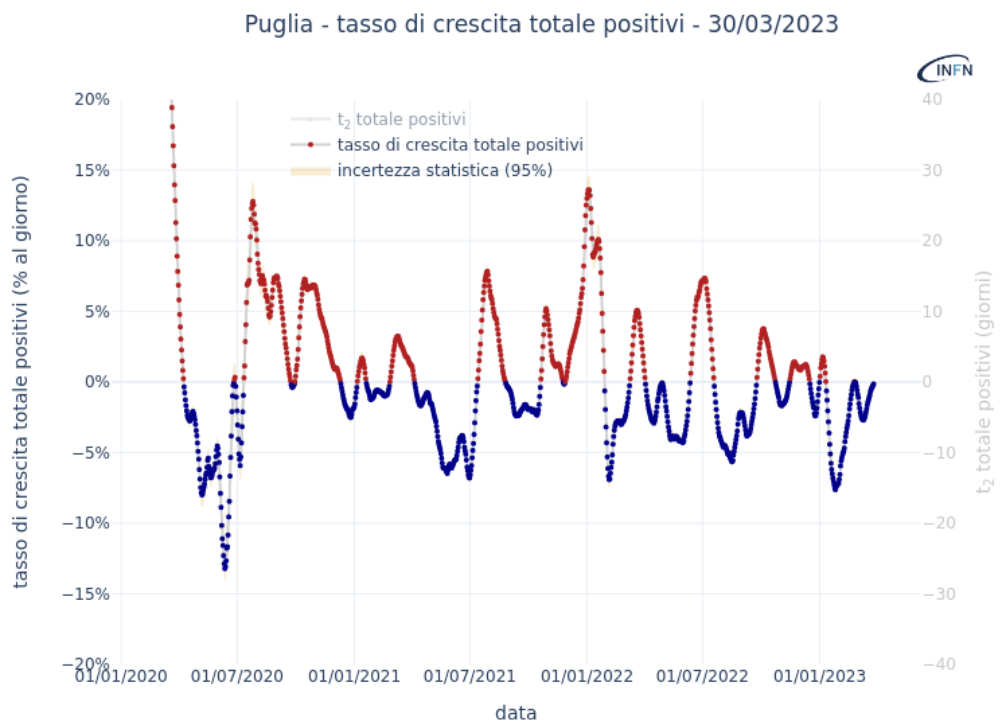


Fig. 599

Basilicata - positivi e casi testati giornalieri - 30/03/2023

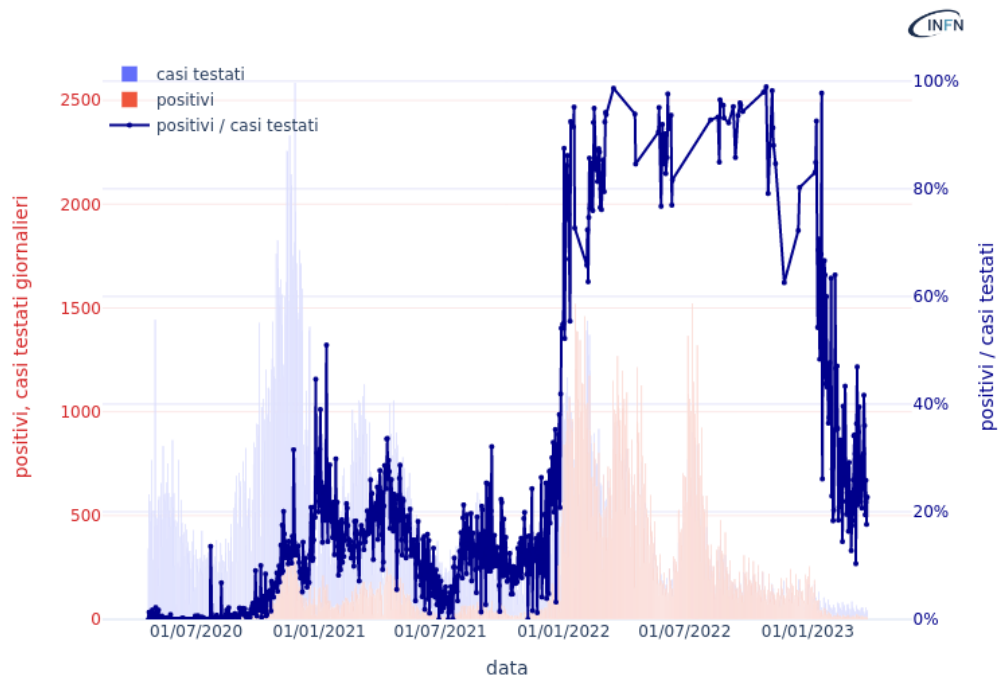


Fig. 600



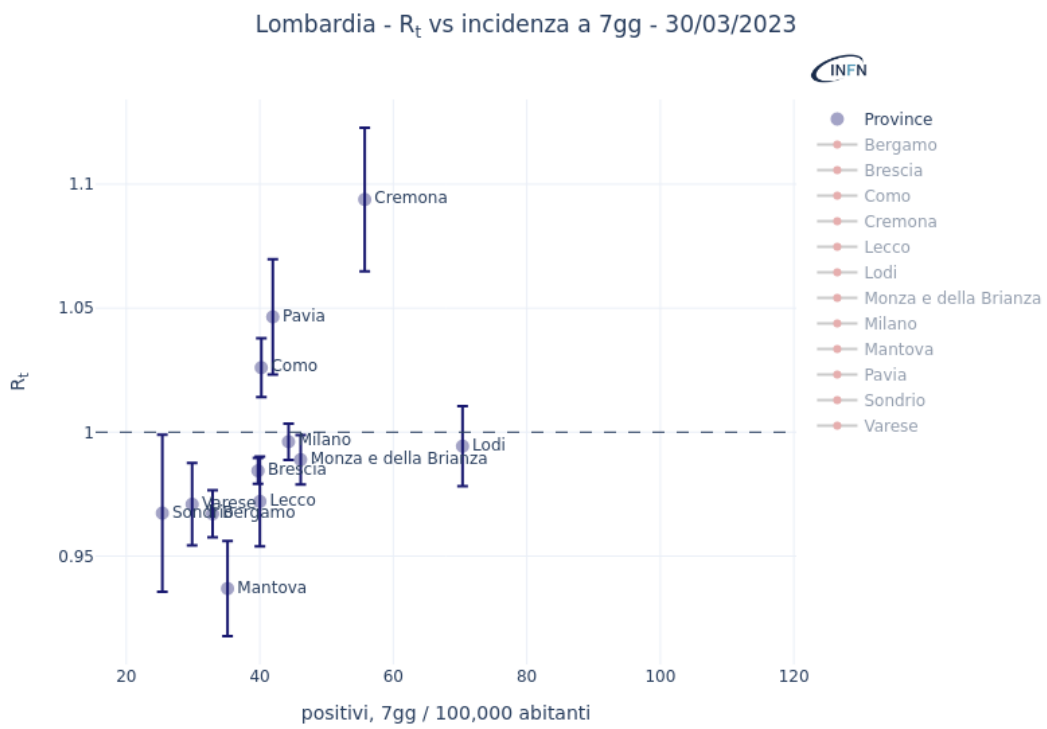


Fig. 601

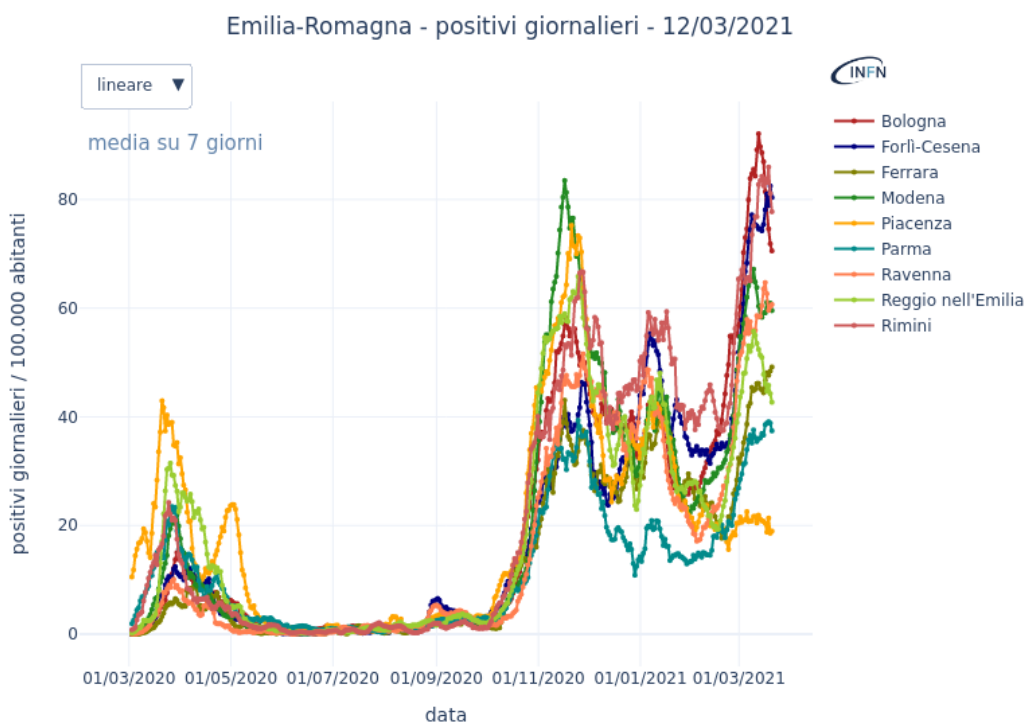


Fig. 602



Fig. 603



Fig. 604

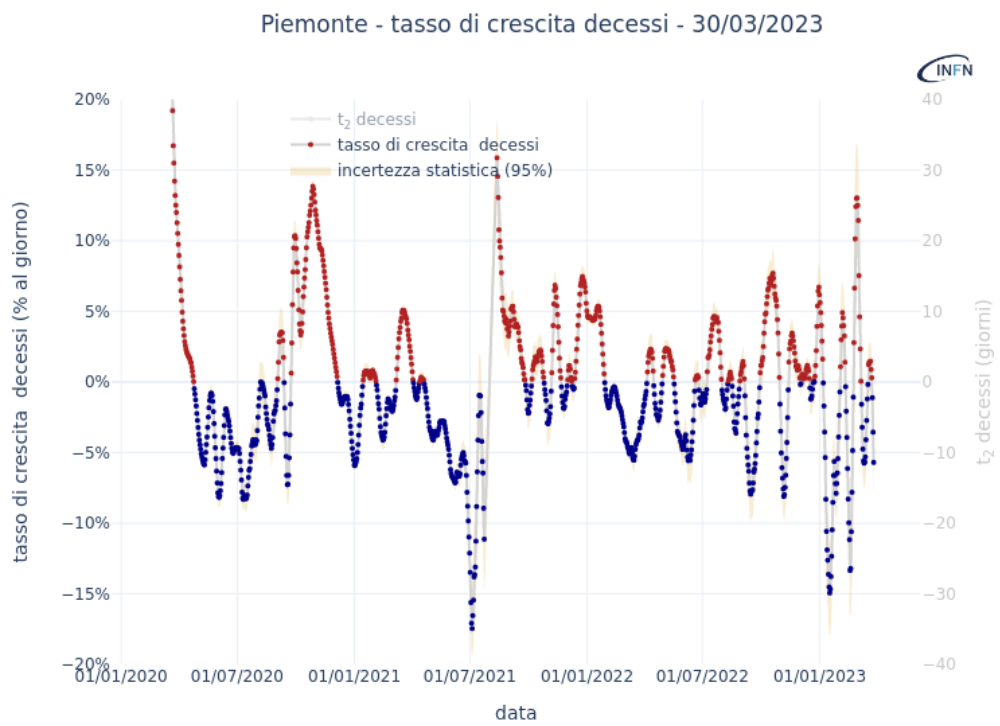


Fig. 605



Fig. 606

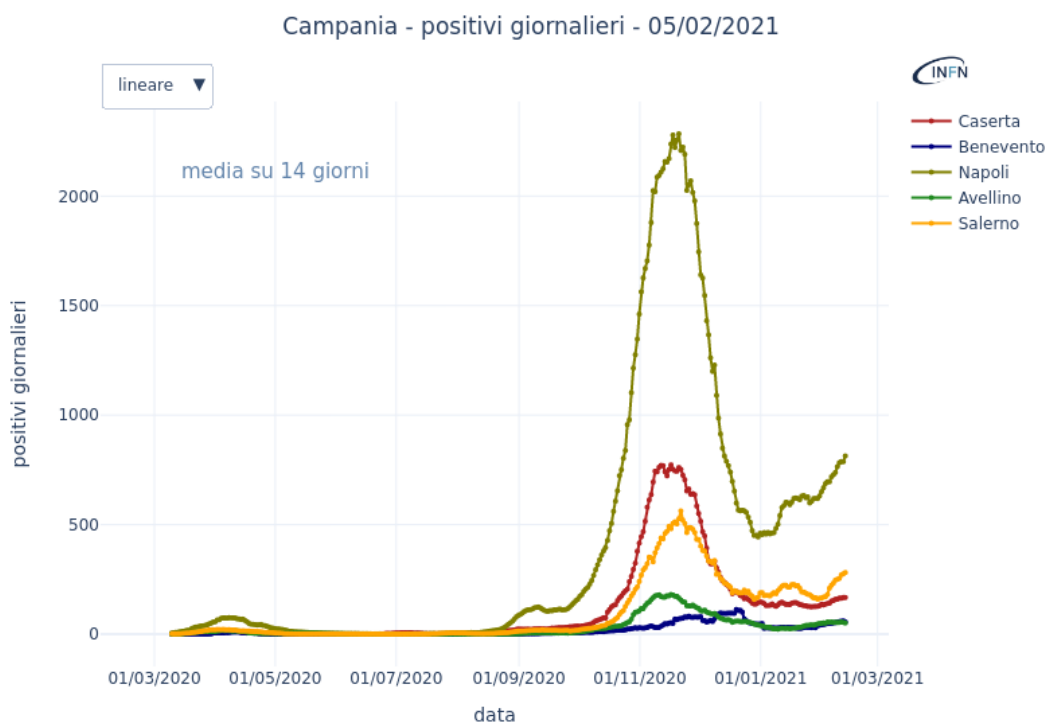


Fig. 607

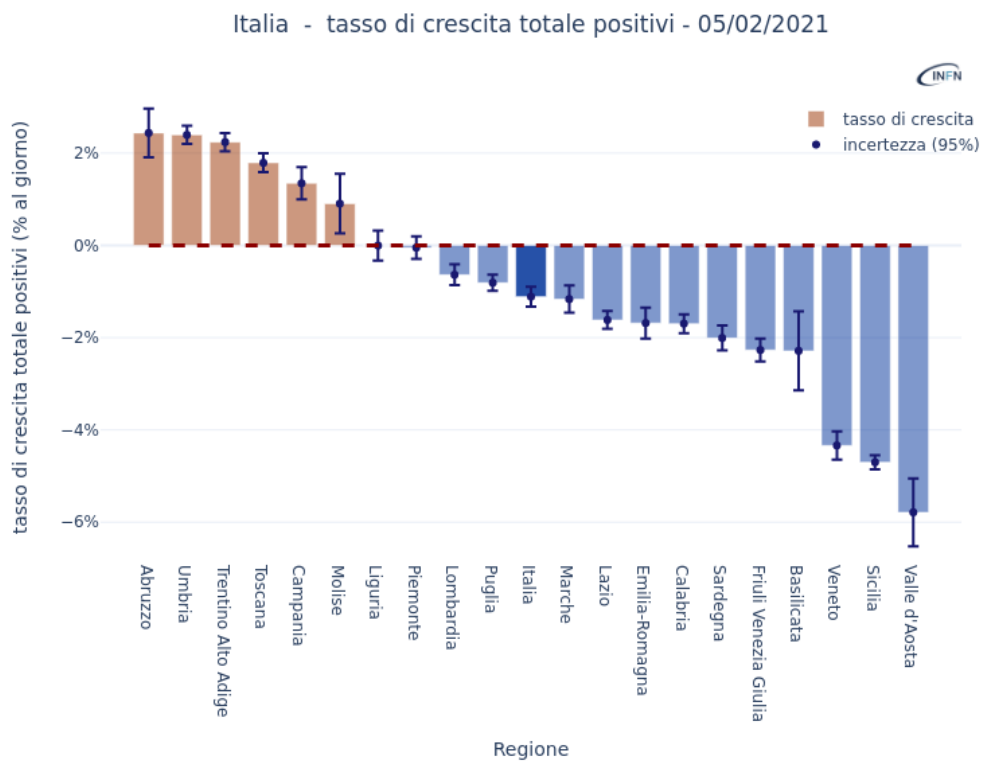


Fig. 608



Mondo - tempo di raddoppio (inverso) totale positivi - 9/3/2023

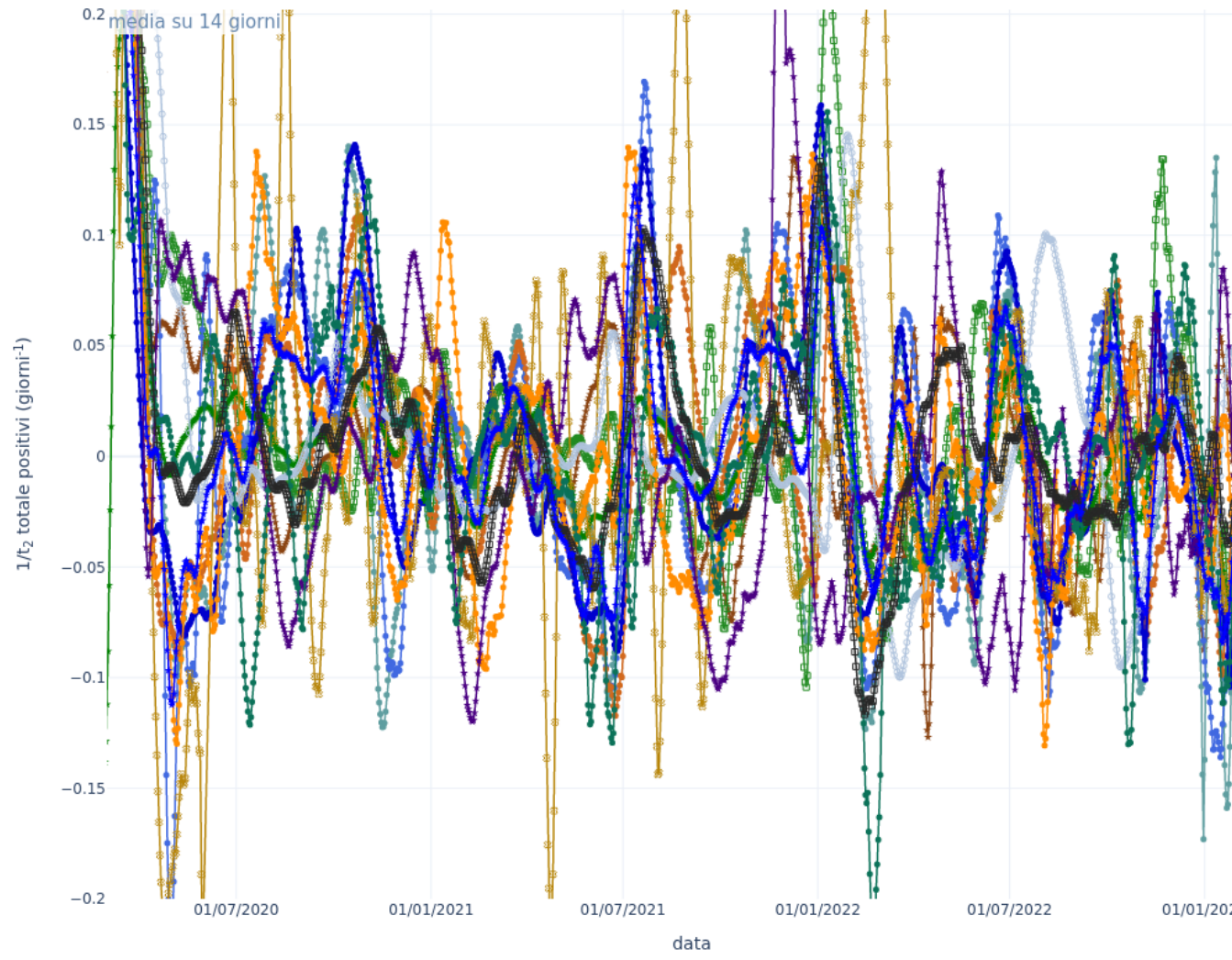


Fig. 609

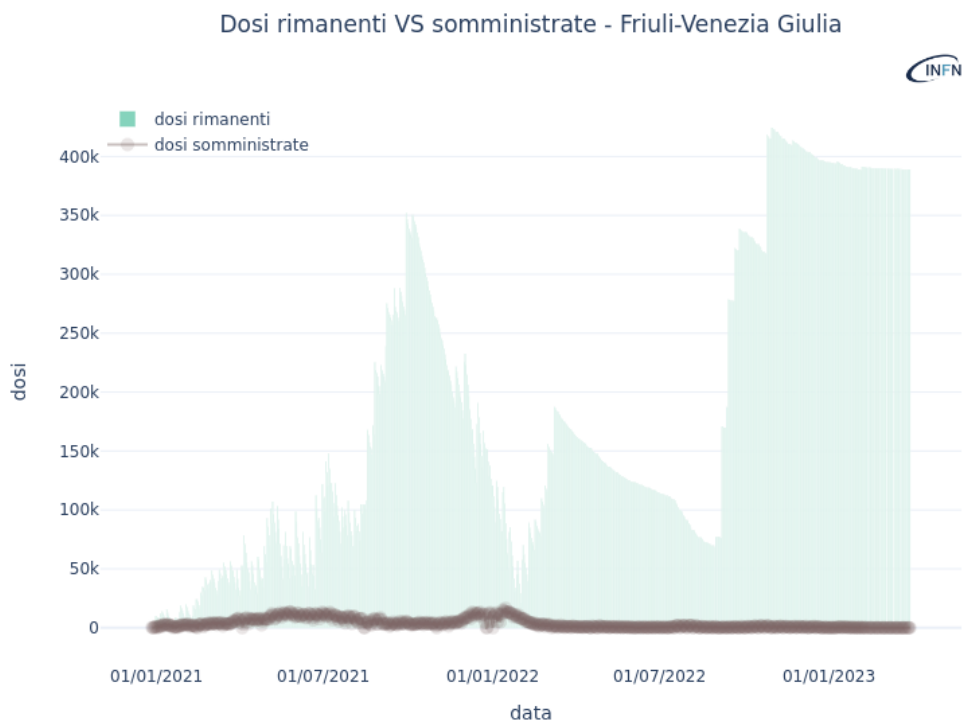


Fig. 610

P.A. Bolzano - tempo di raddoppio terapia intensiva - 30/03/2023

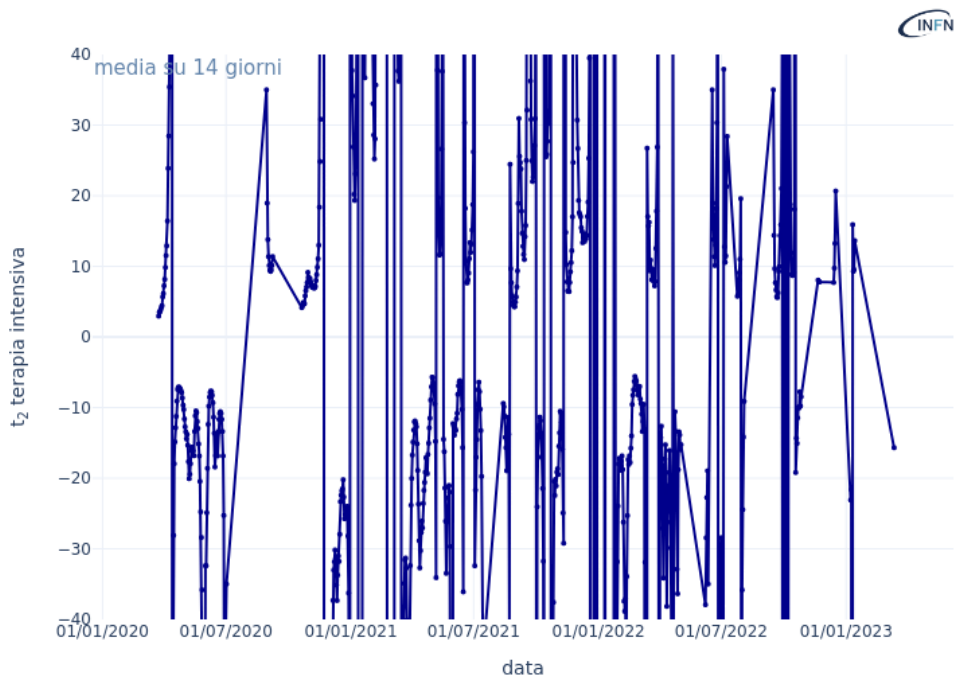


Fig. 611

Calabria - incidenza della vaccinazione per fascia d'età

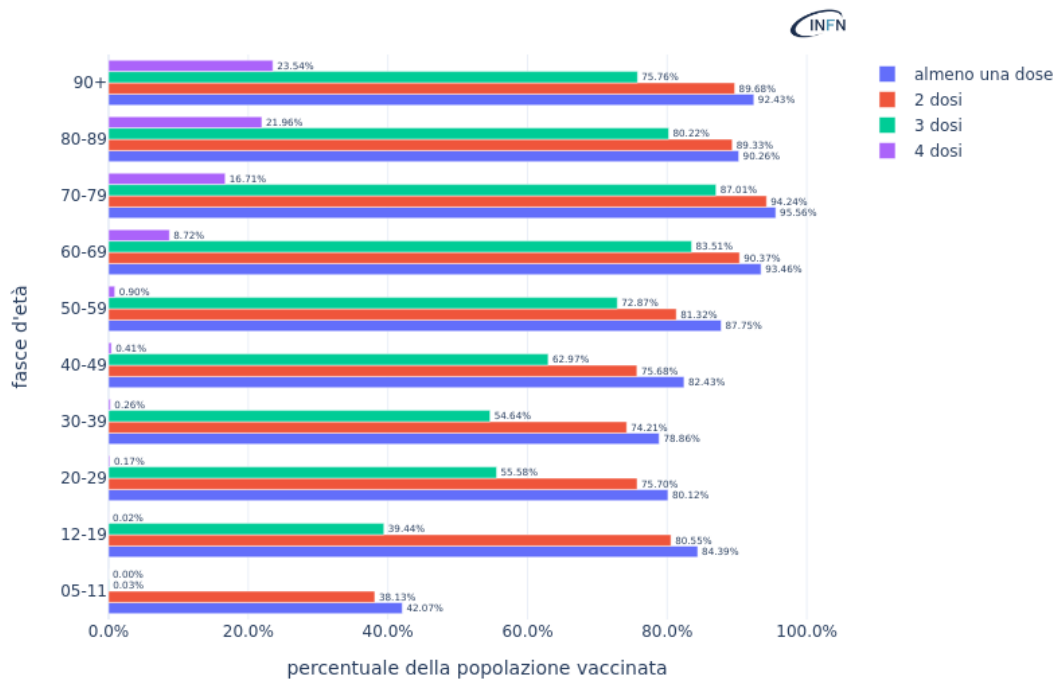


Fig. 612

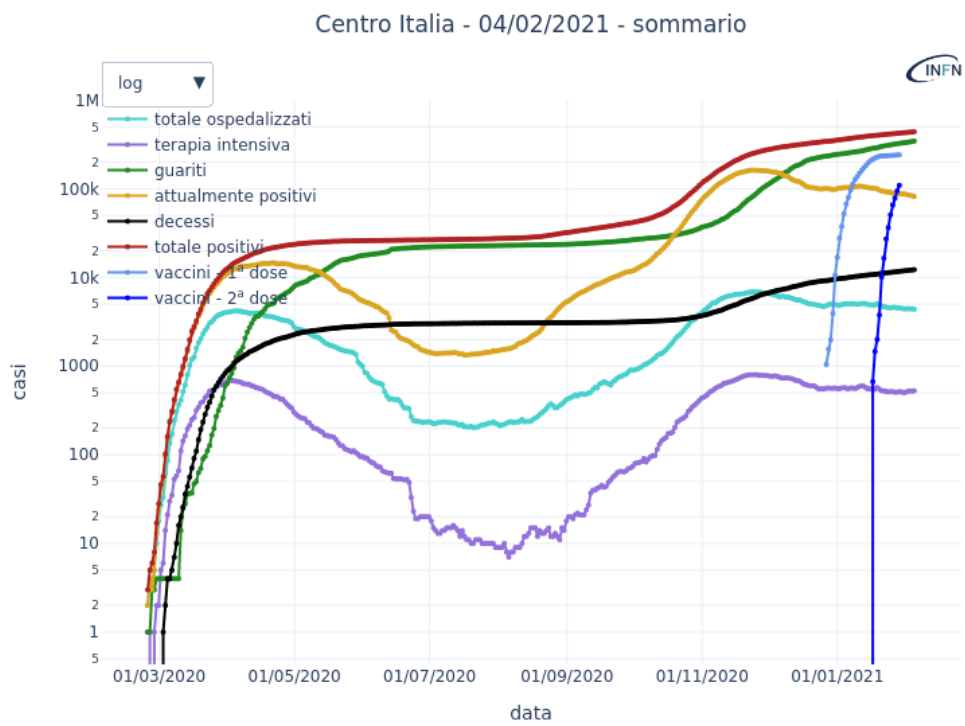


Fig. 613



Fig. 614

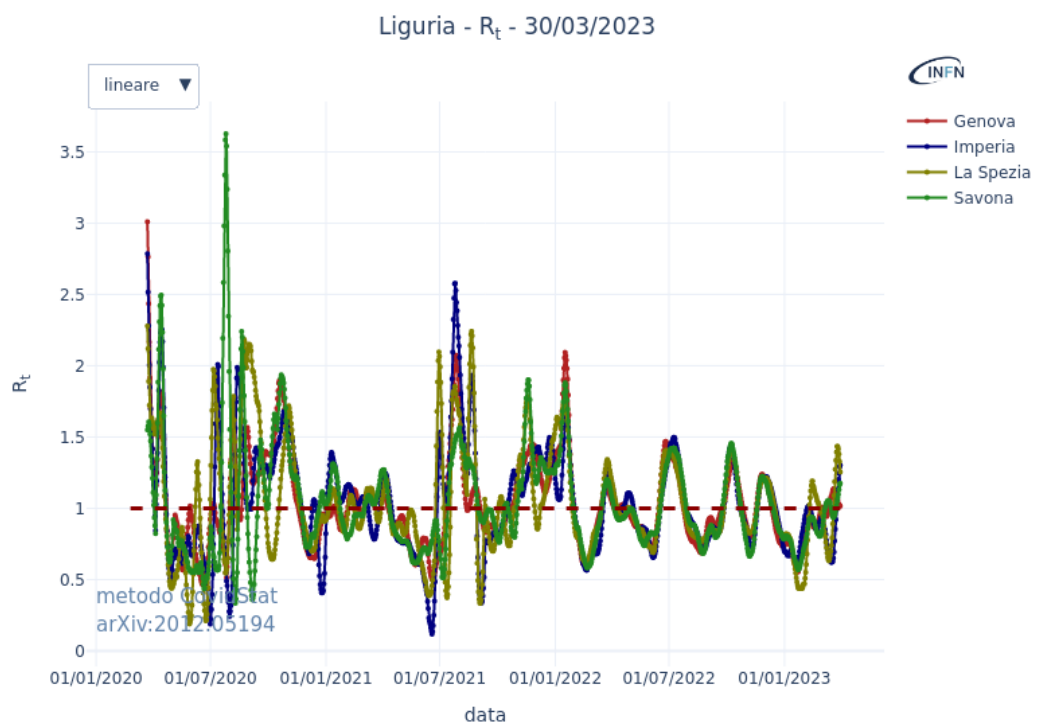


Fig. 615



Fig. 616



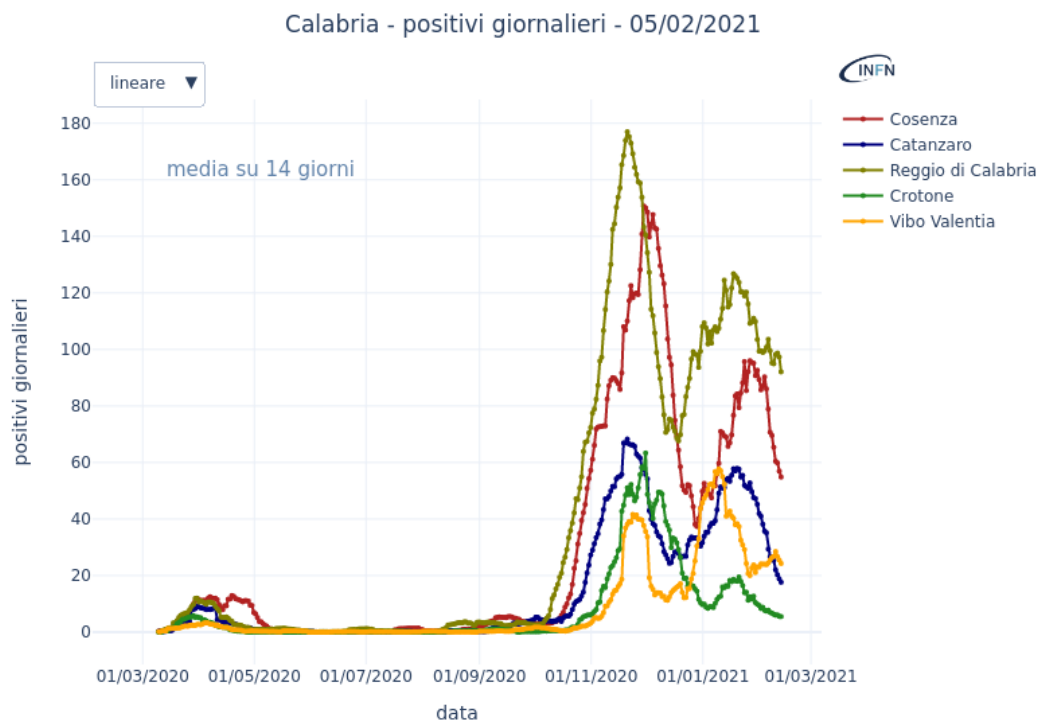


Fig. 617

Sardegna - tempo di raddoppio (inverso) decessi - 30/03/2023

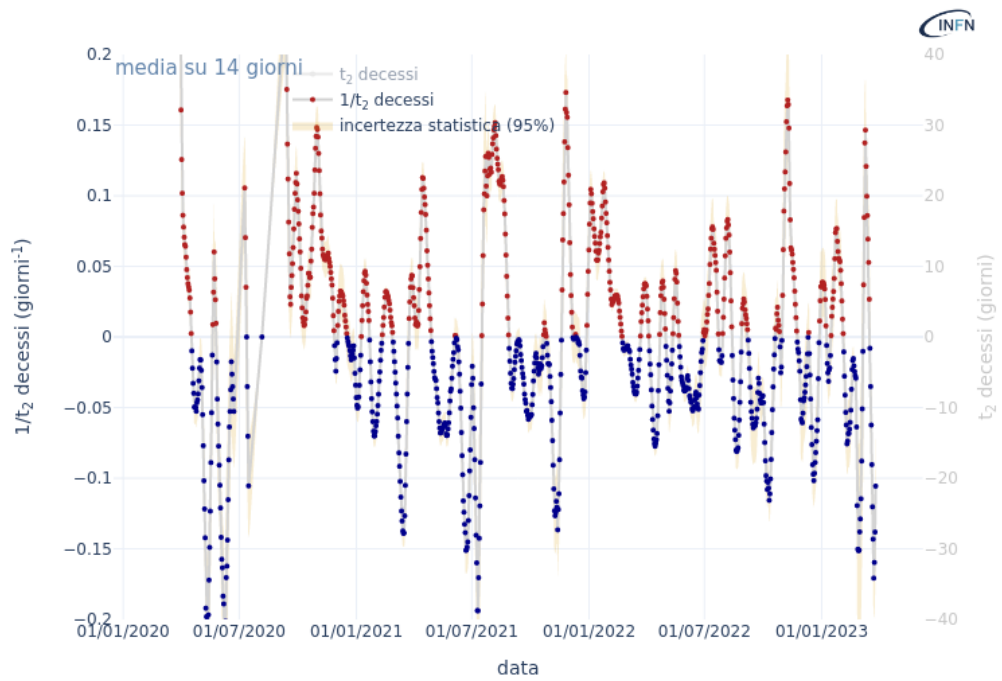


Fig. 618

Basilicata - positivi e tamponi giornalieri - 30/03/2023

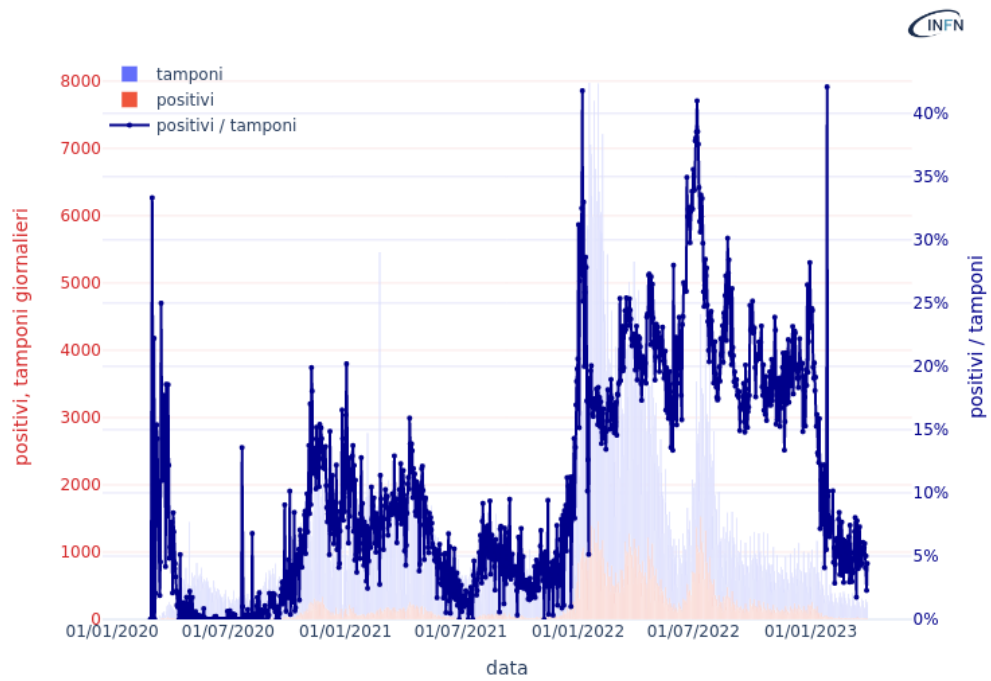


Fig. 619

Abruzzo - 30/03/2023 - rapporti

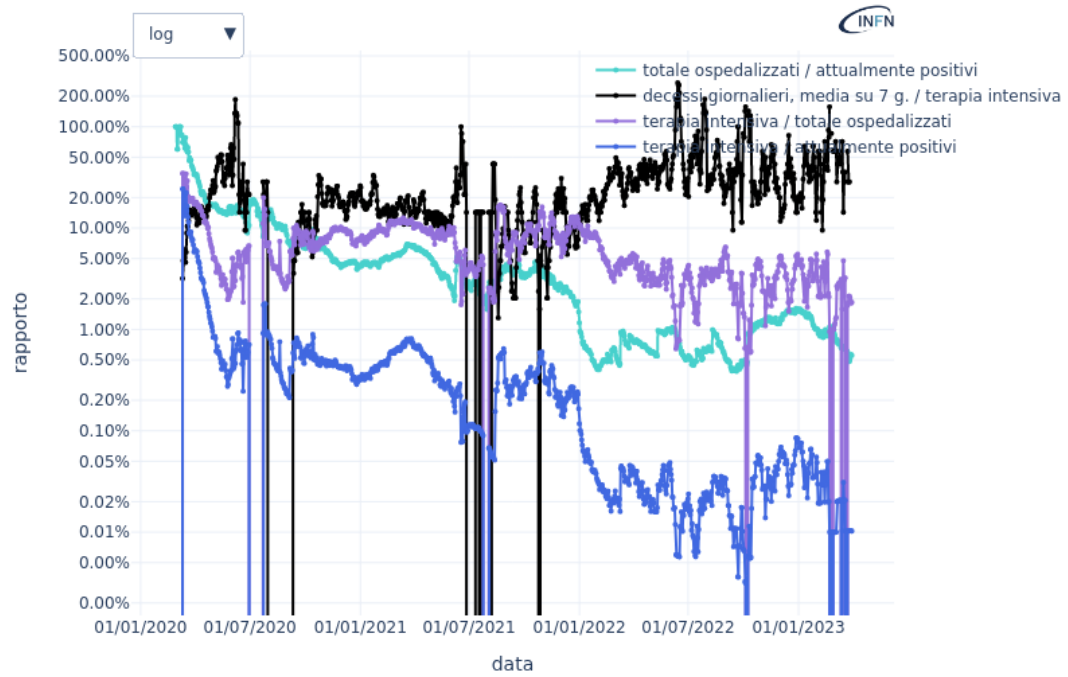


Fig. 620

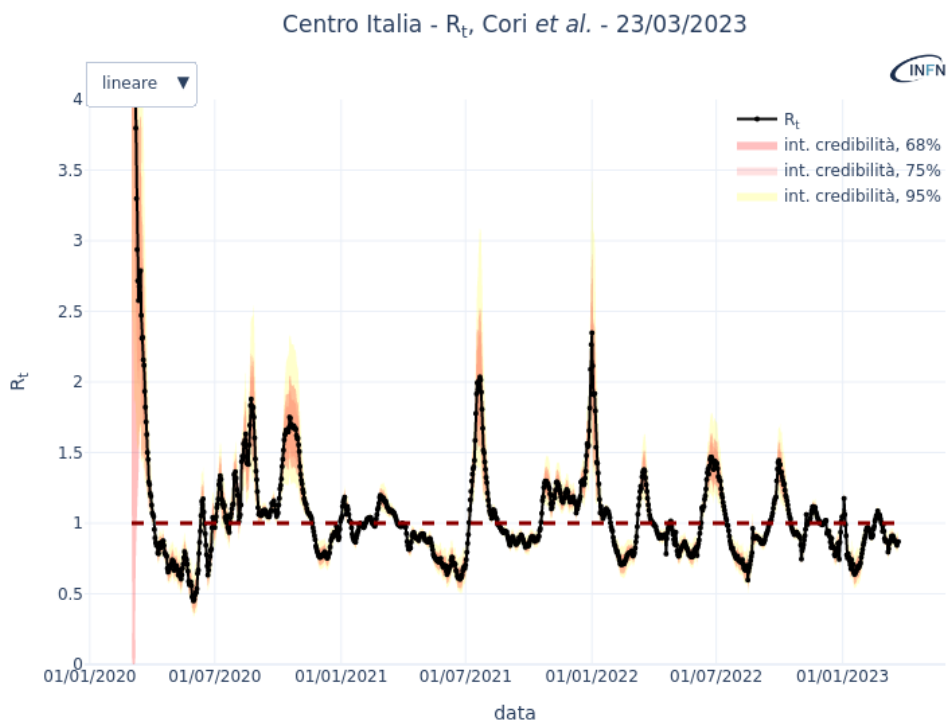


Fig. 621

Friuli Venezia Giulia - tasso di crescita totale positivi - 30/03/2023

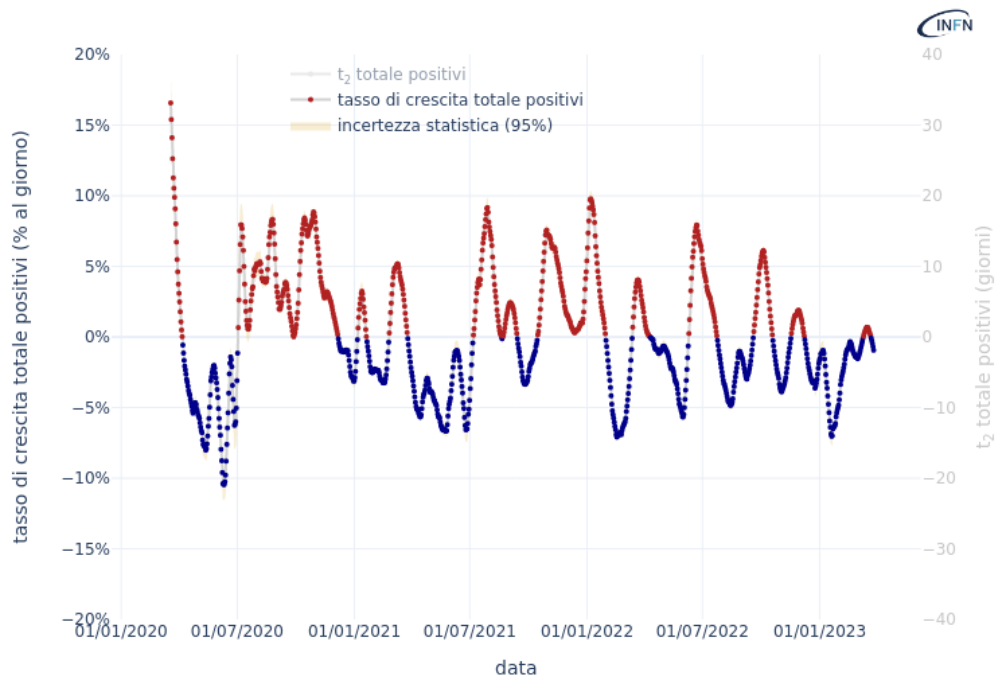


Fig. 622

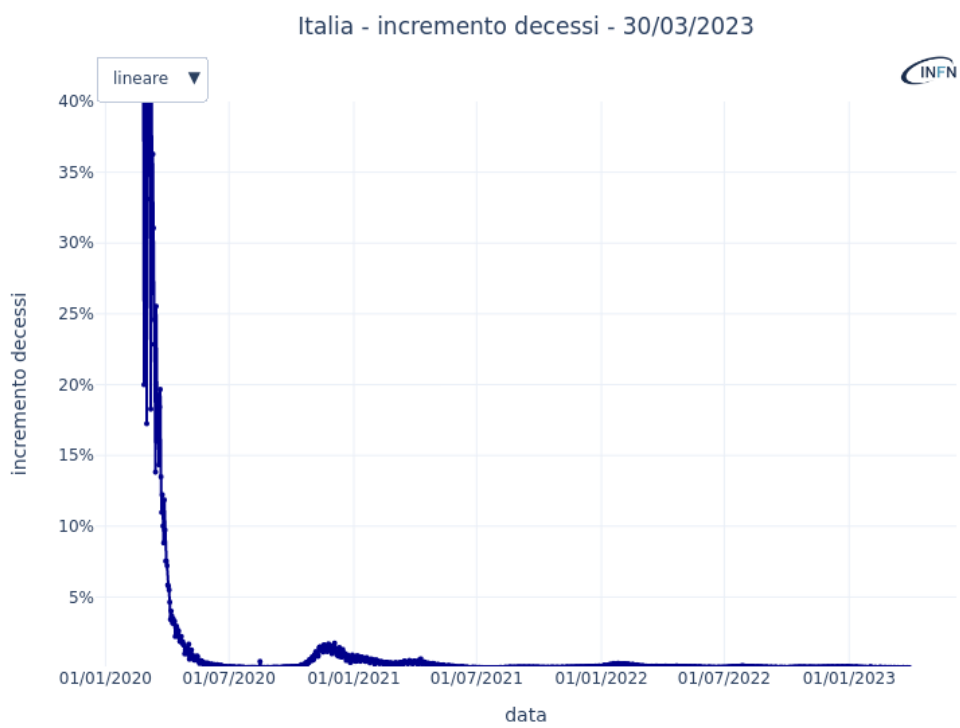


Fig. 623

Lombardia - incidenza della vaccinazione per fascia d'età

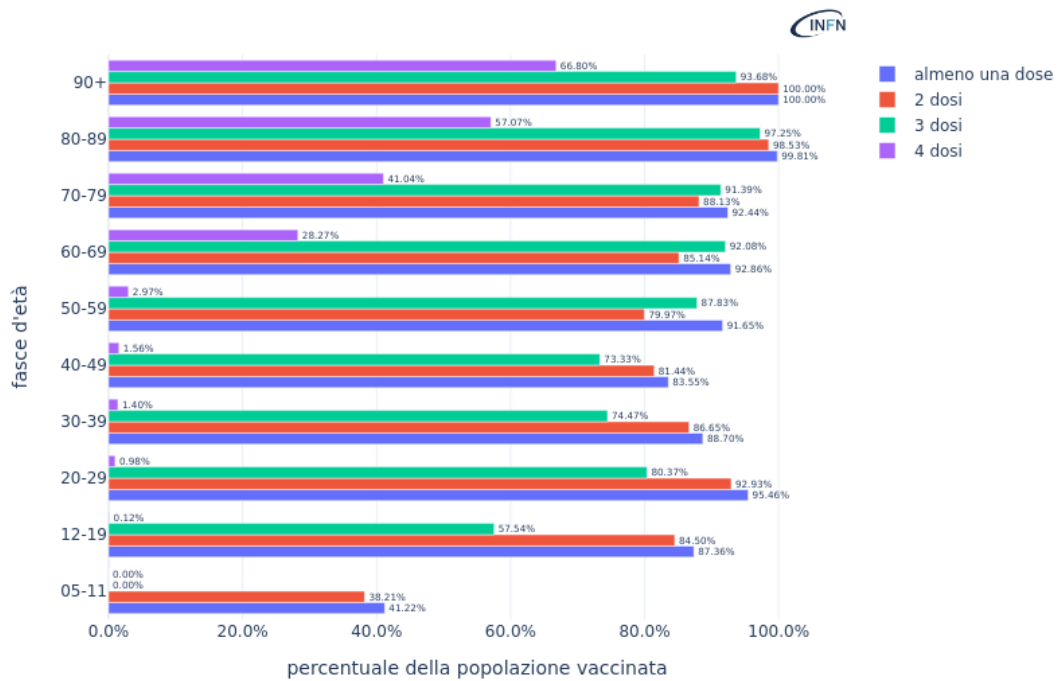


Fig. 624



Valle d'Aosta - tempo di raddoppio terapia intensiva - 30/03/2023

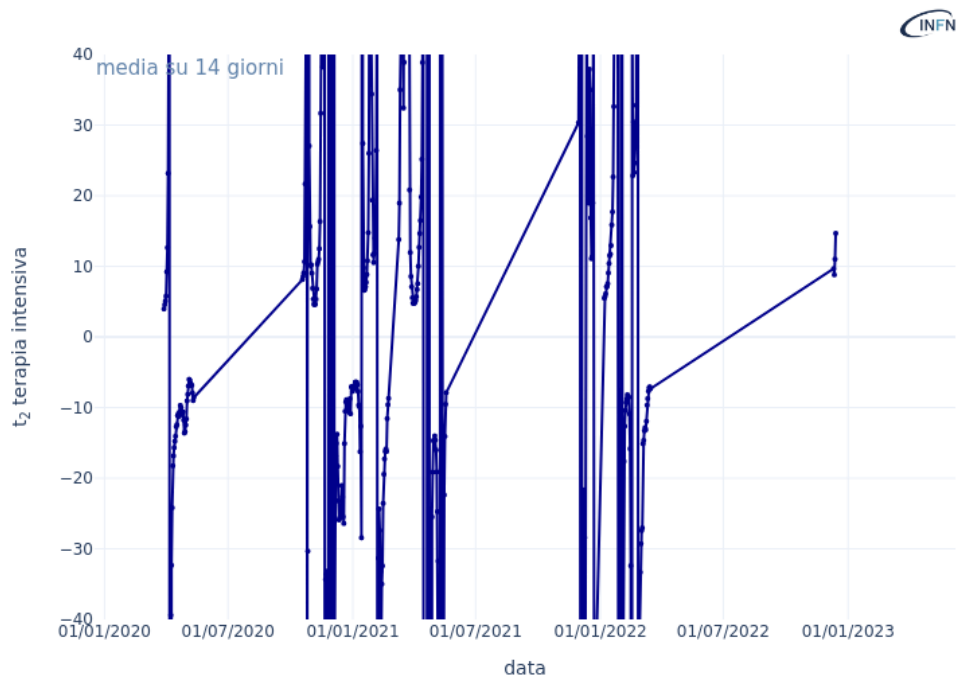


Fig. 625

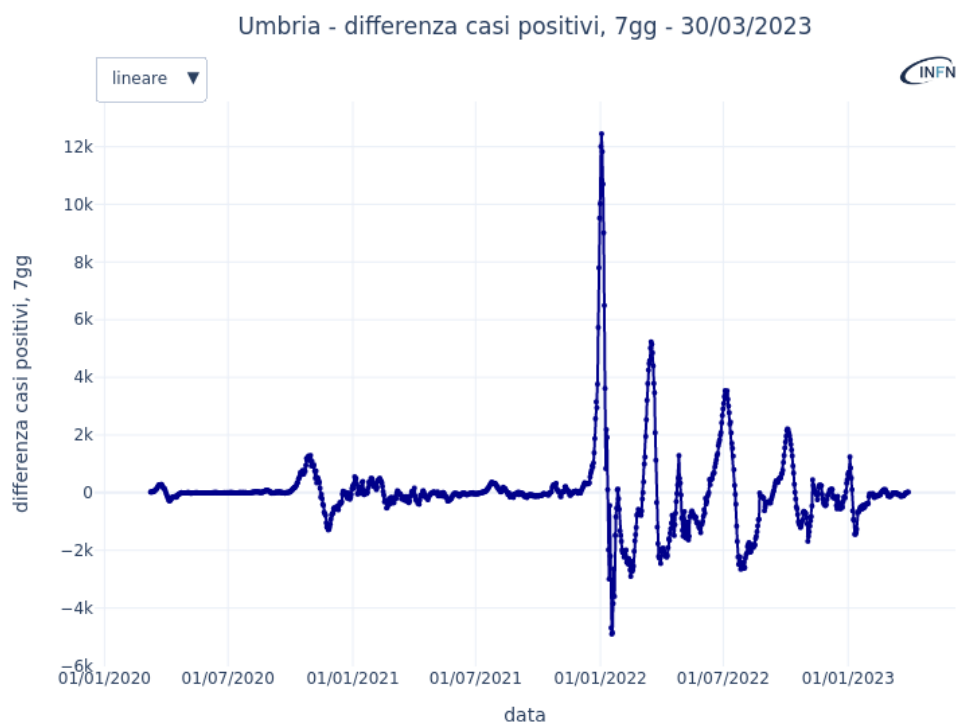


Fig. 626

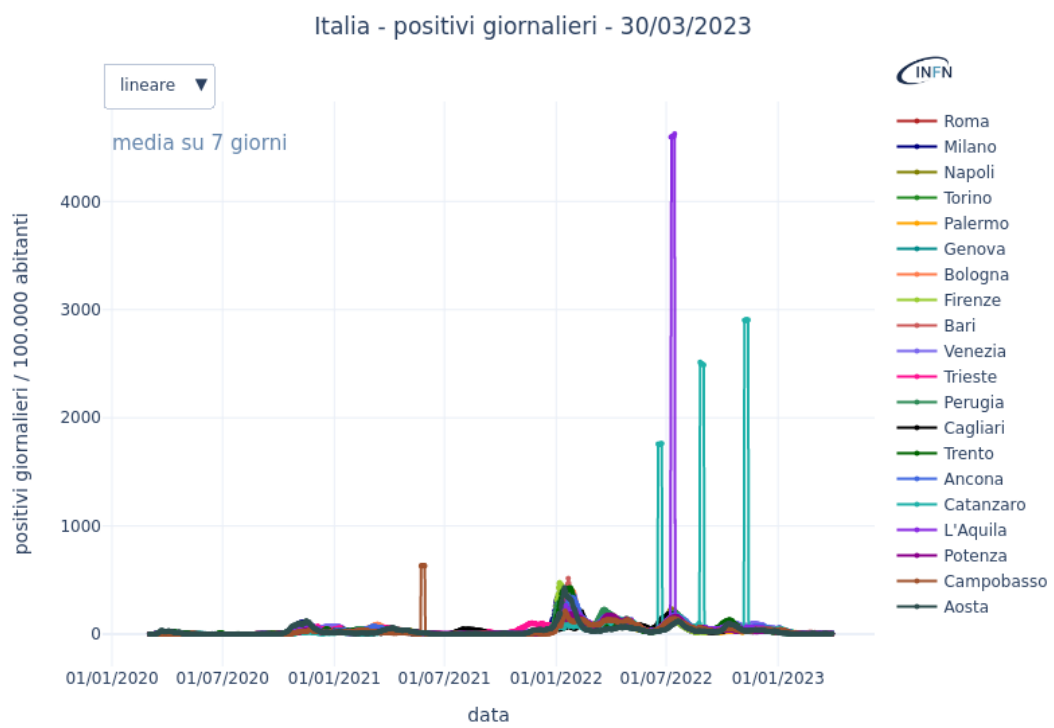


Fig. 627

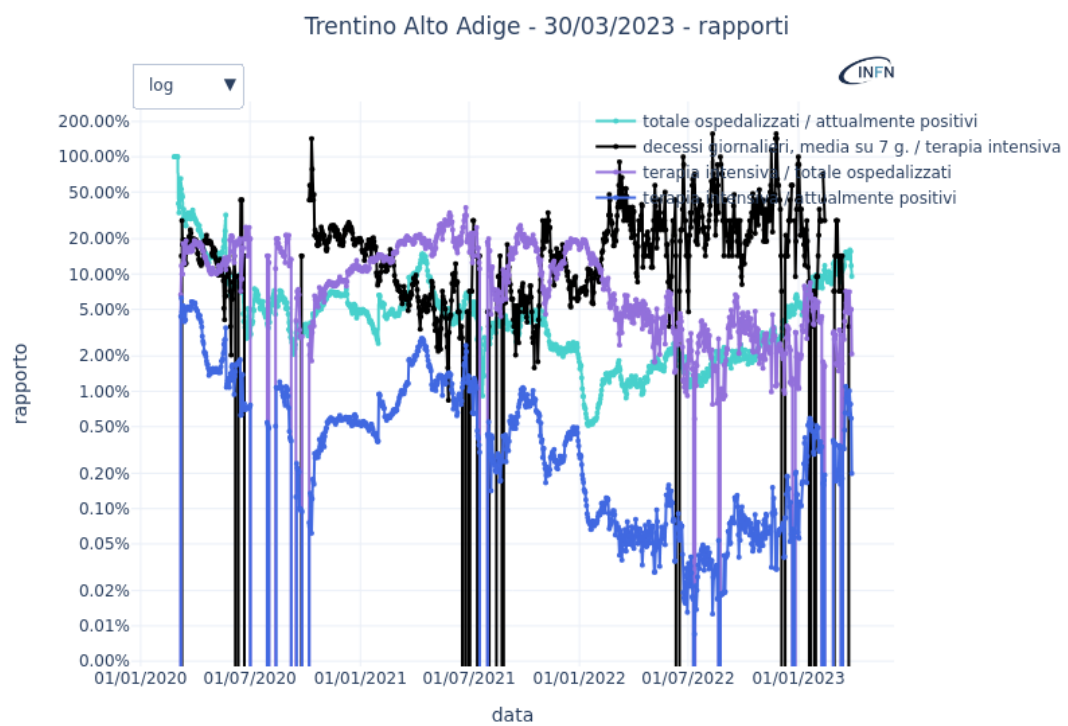


Fig. 628

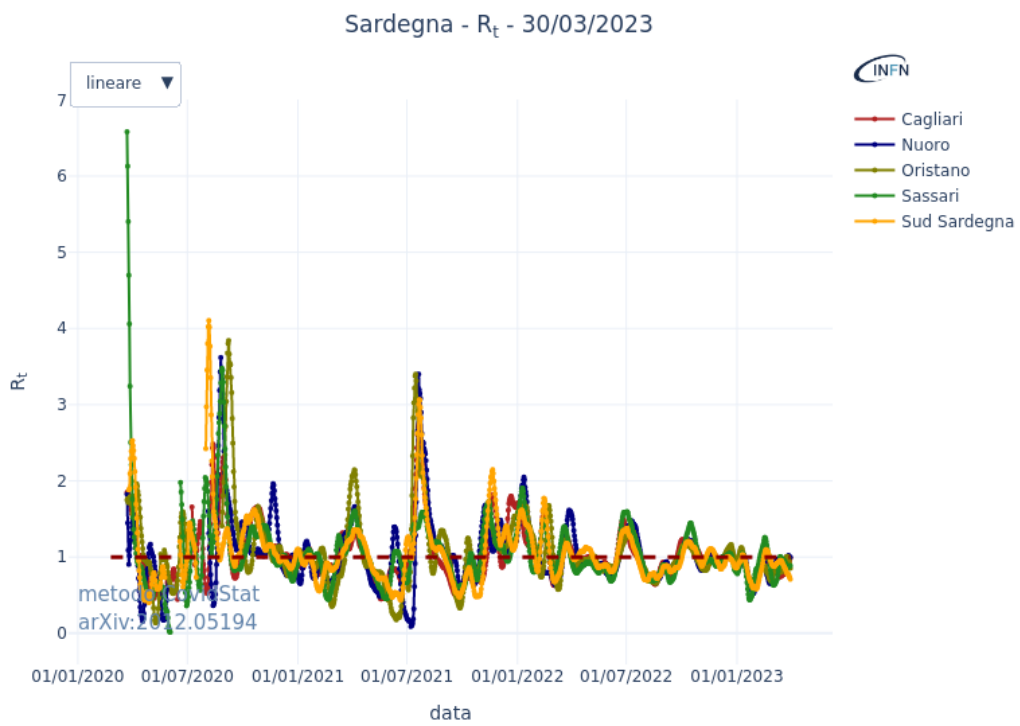


Fig. 629

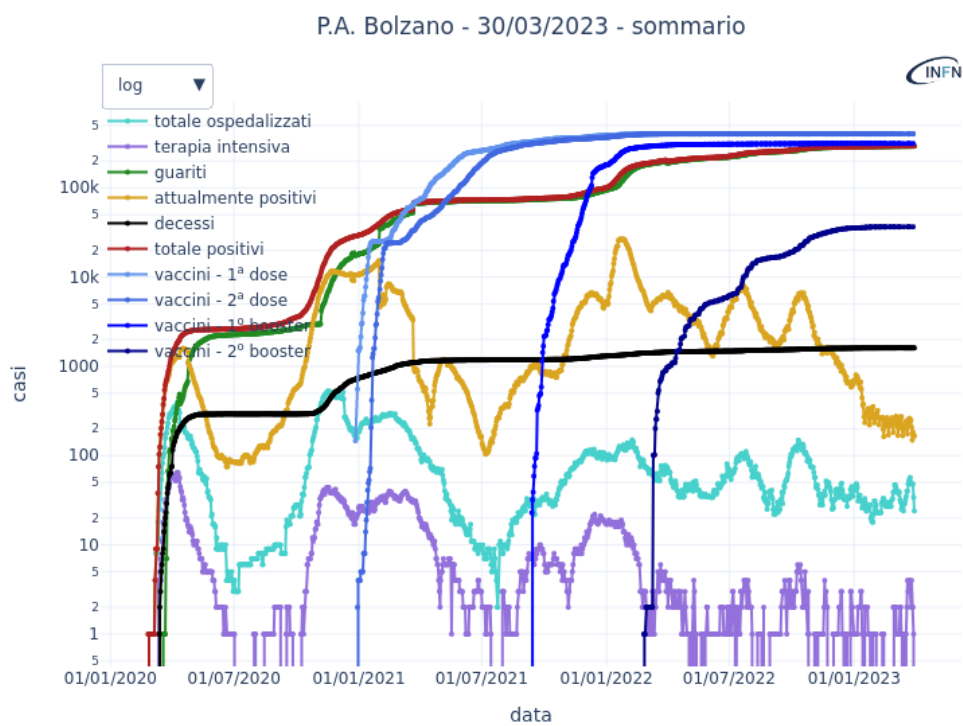


Fig. 630

Friuli Venezia Giulia - tasso di crescita decessi - 30/03/2023

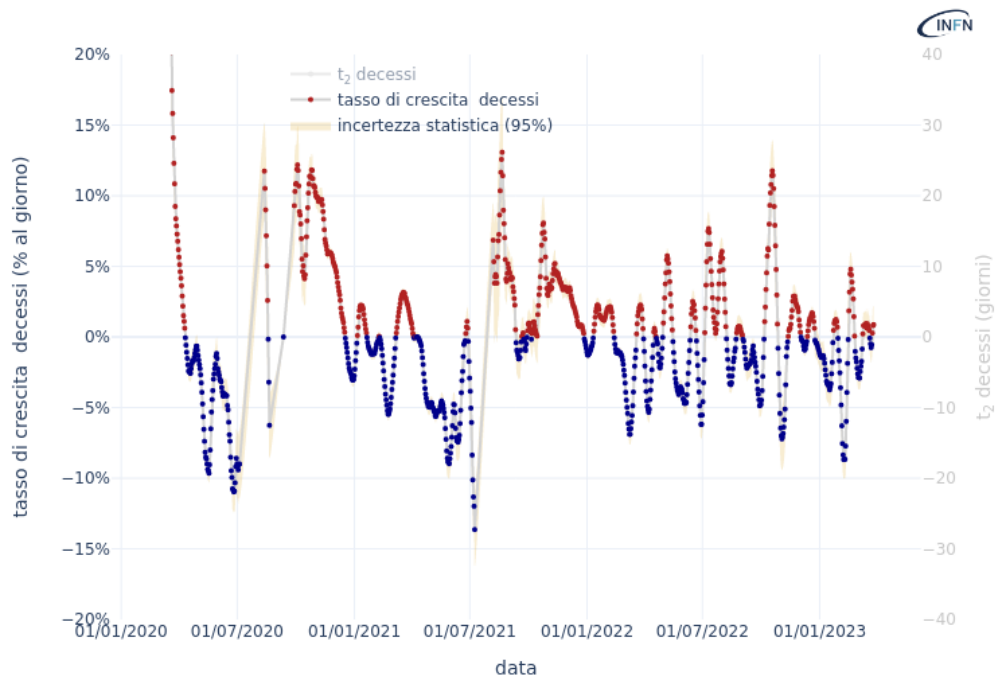


Fig. 631

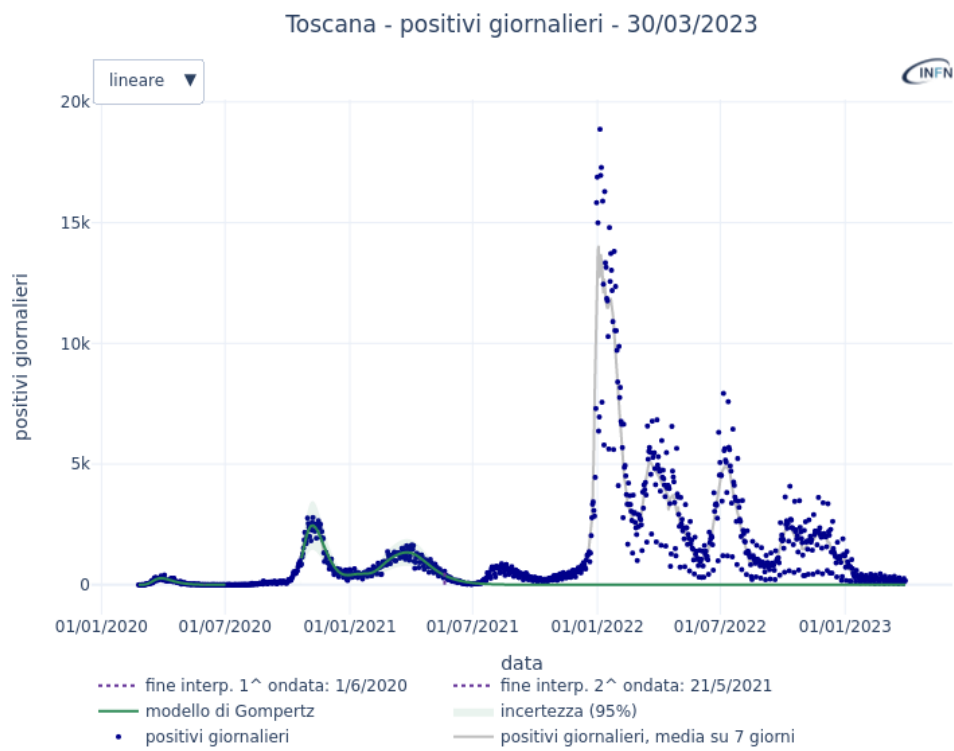


Fig. 632



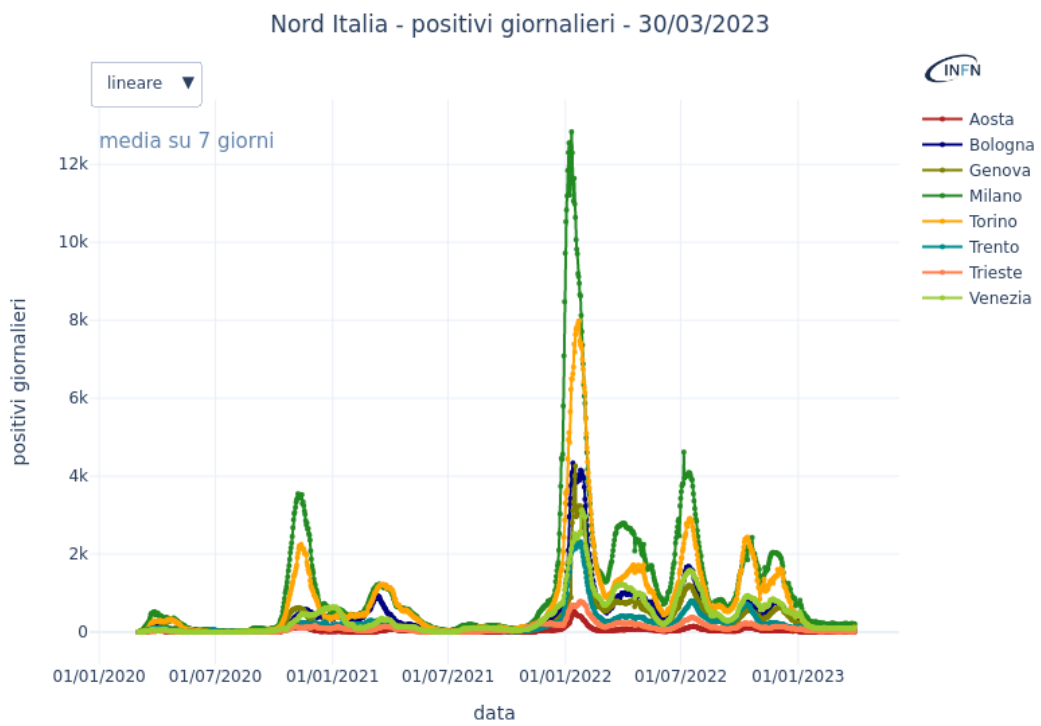


Fig. 633

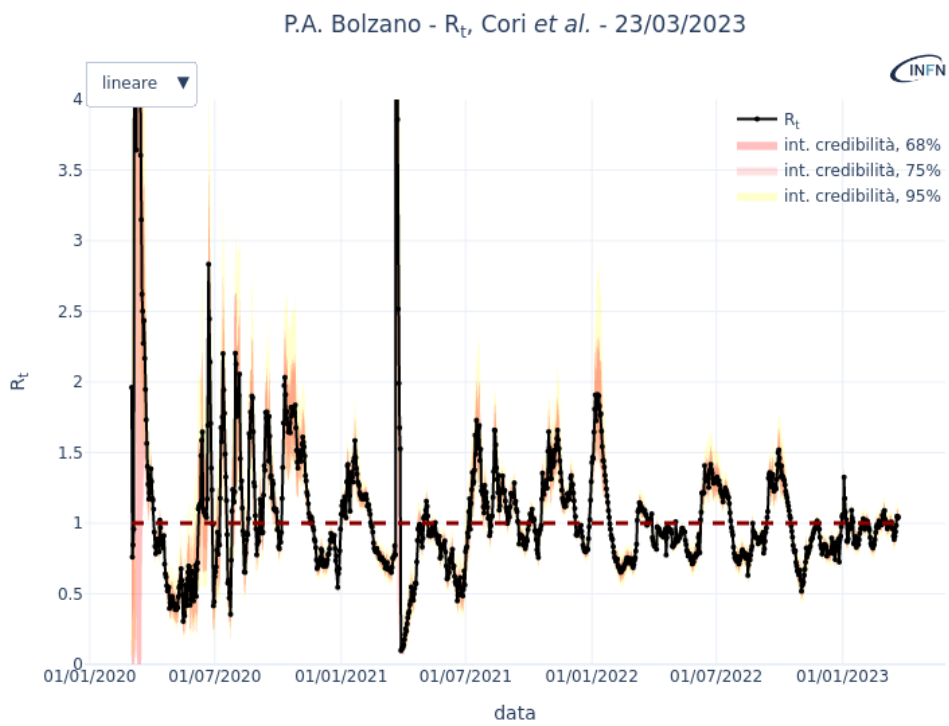


Fig. 634

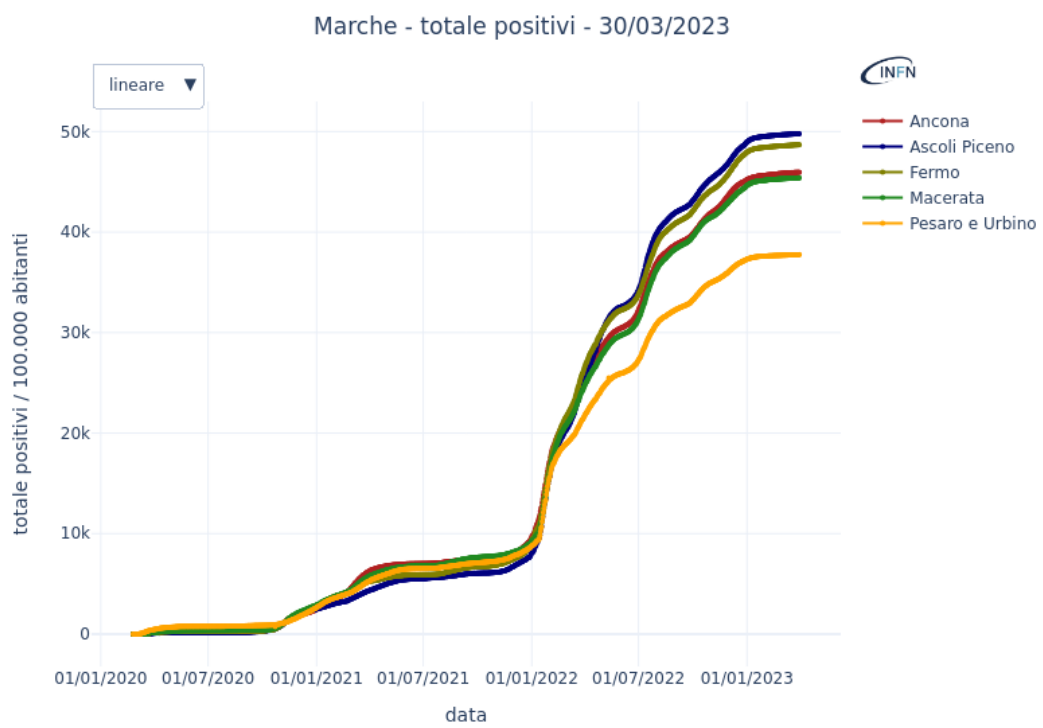


Fig. 635

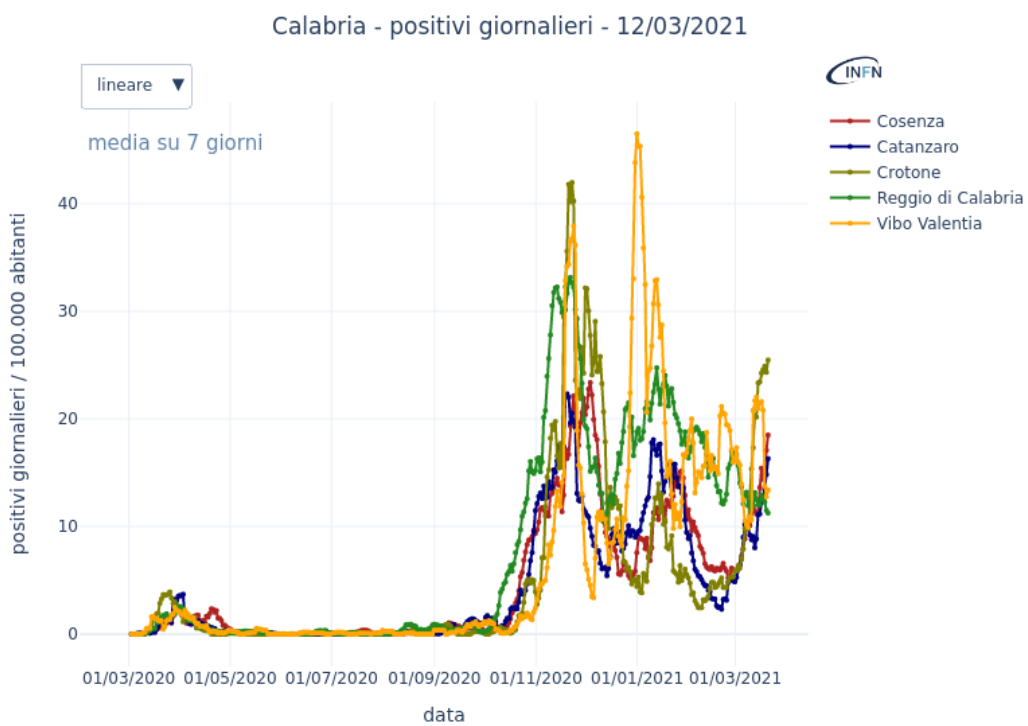


Fig. 636

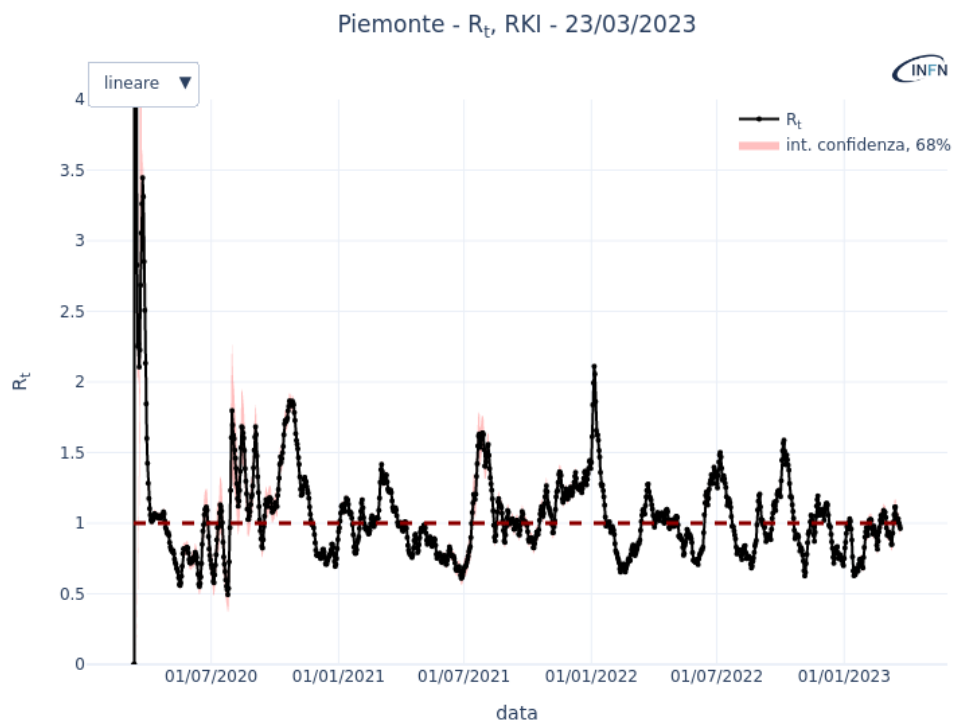
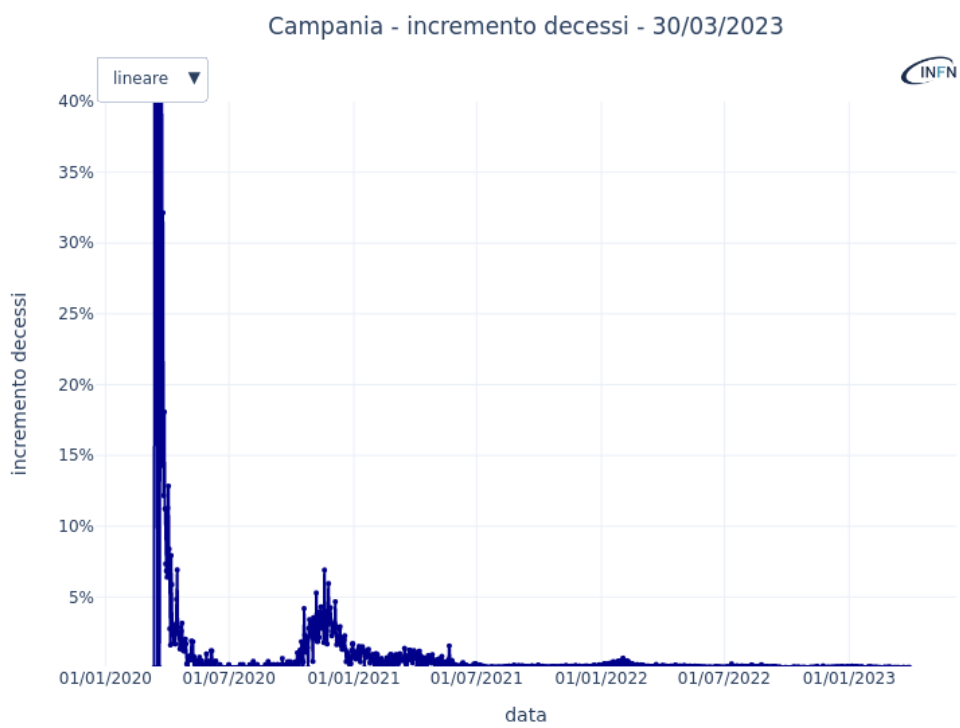


Fig. 637



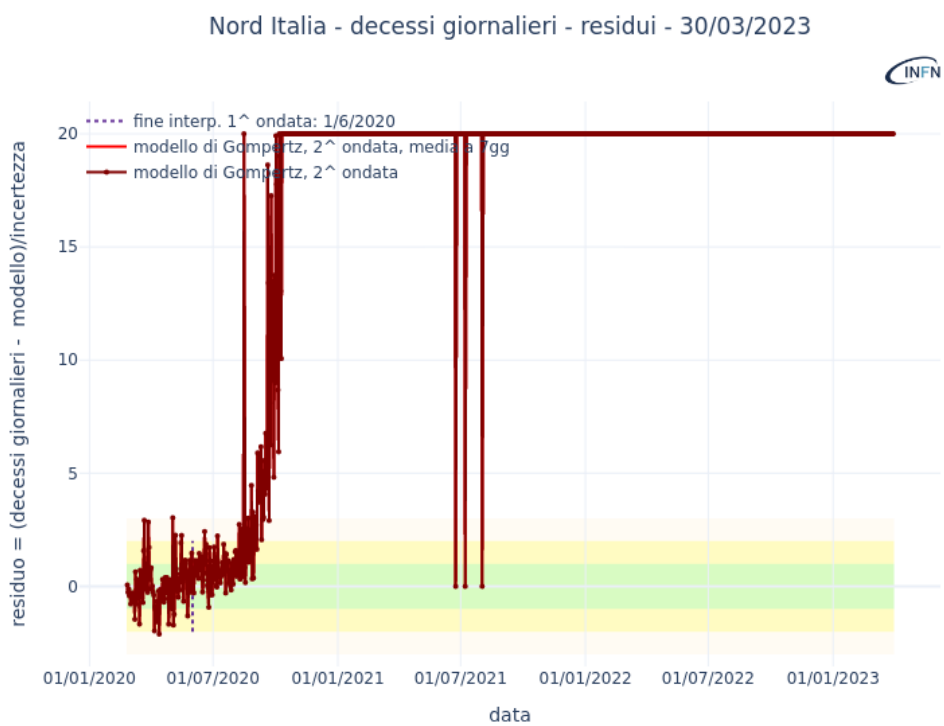


Fig. 639

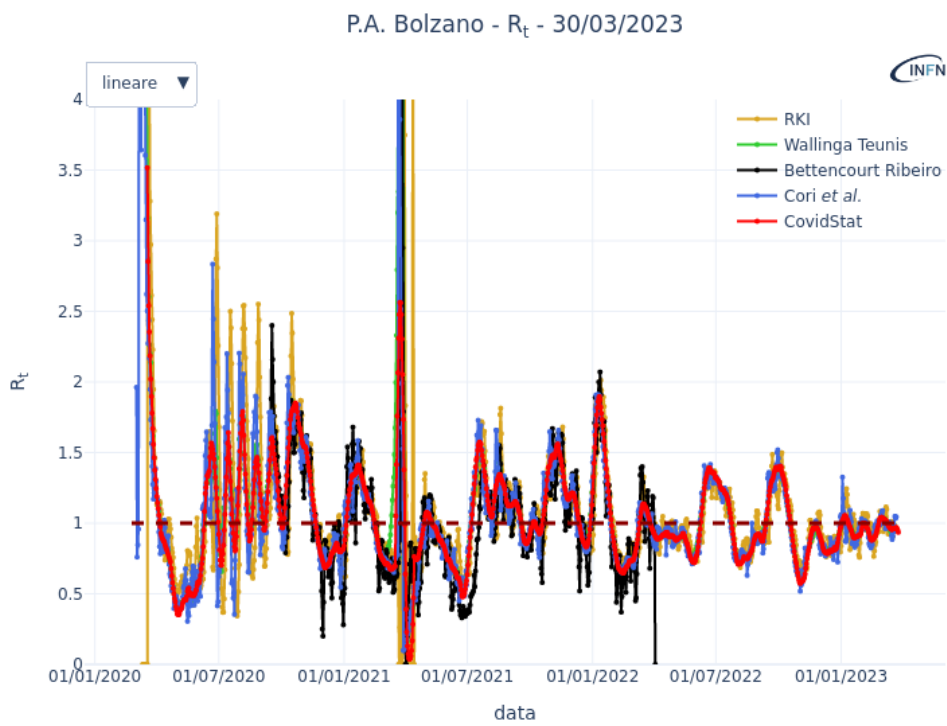


Fig. 640



Emilia-Romagna - tasso di crescita terapia intensiva - 30/03/2023

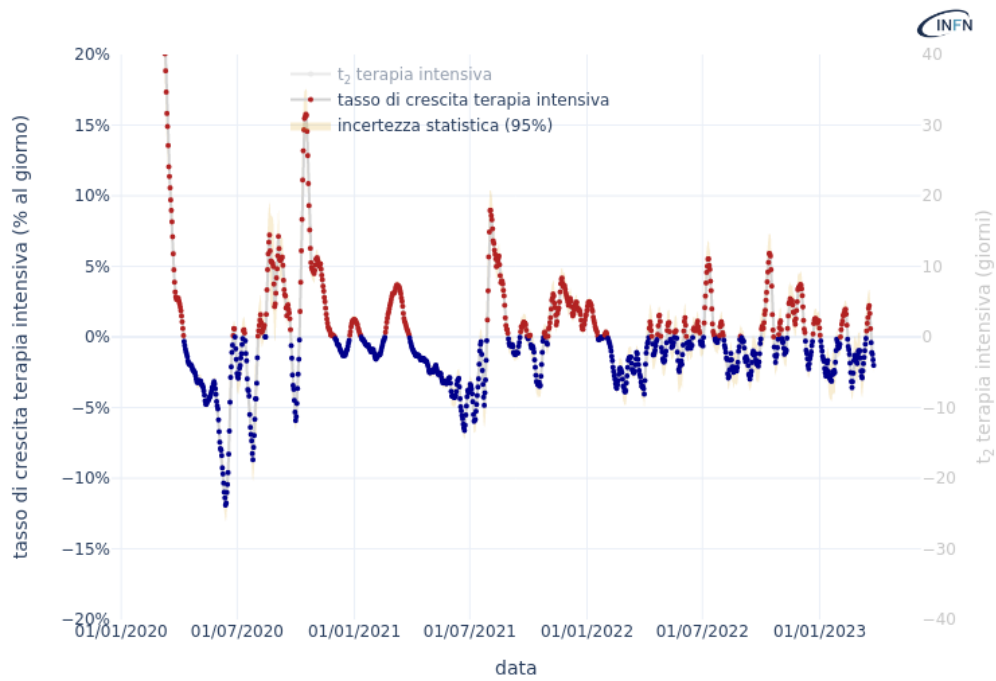


Fig. 641

Dosi somministrate cumulative suddivise per prime, seconde, terze e quarte dosi - Calabria

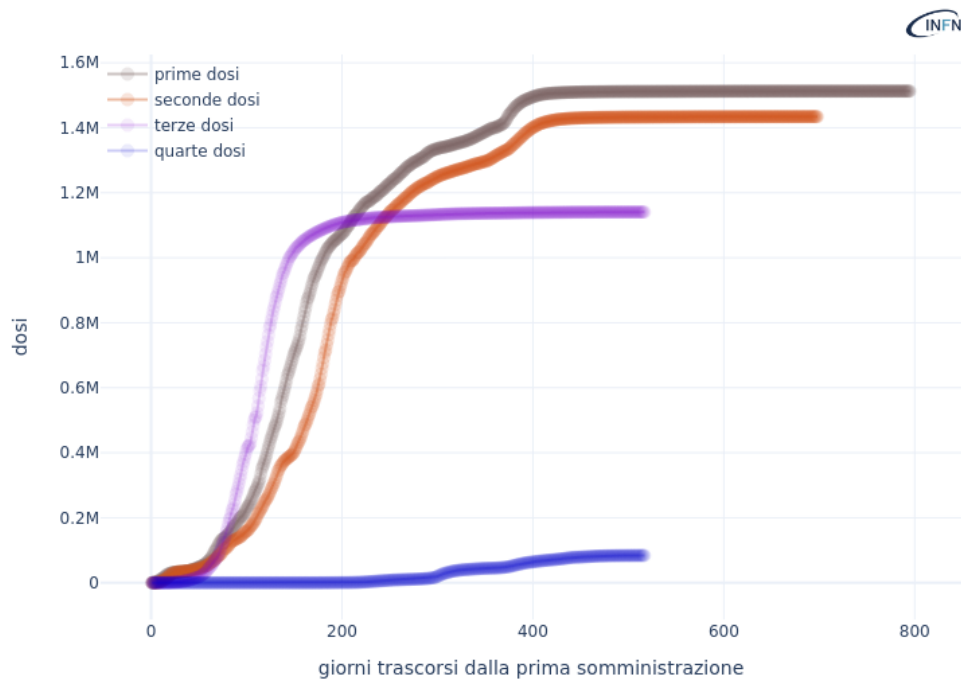


Fig. 642

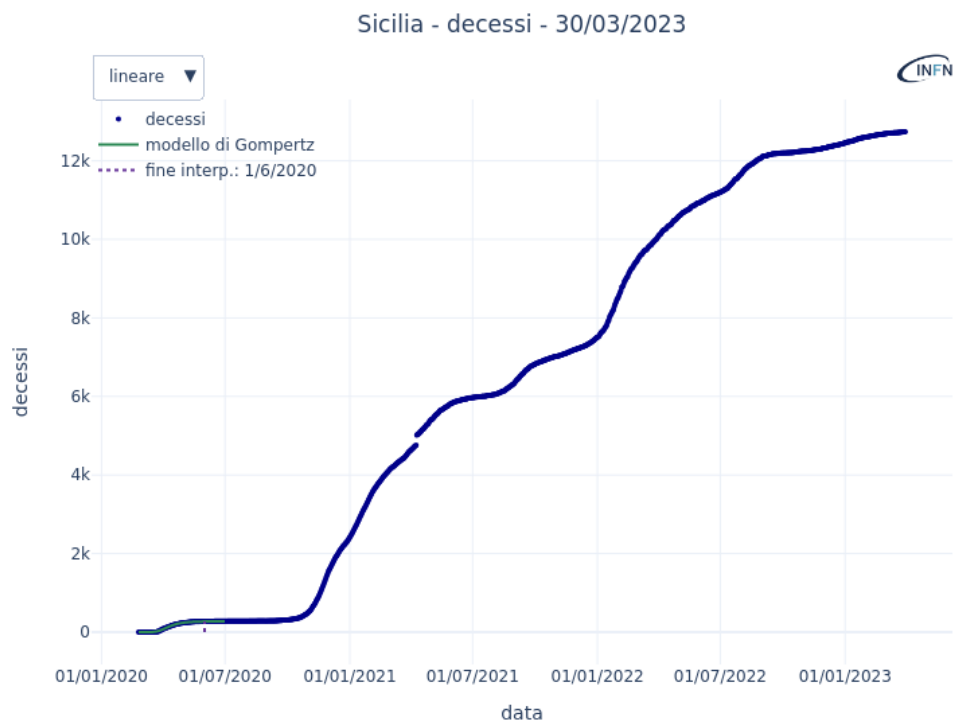


Fig. 643

Molise - positivi giornalieri - residui - 30/03/2023

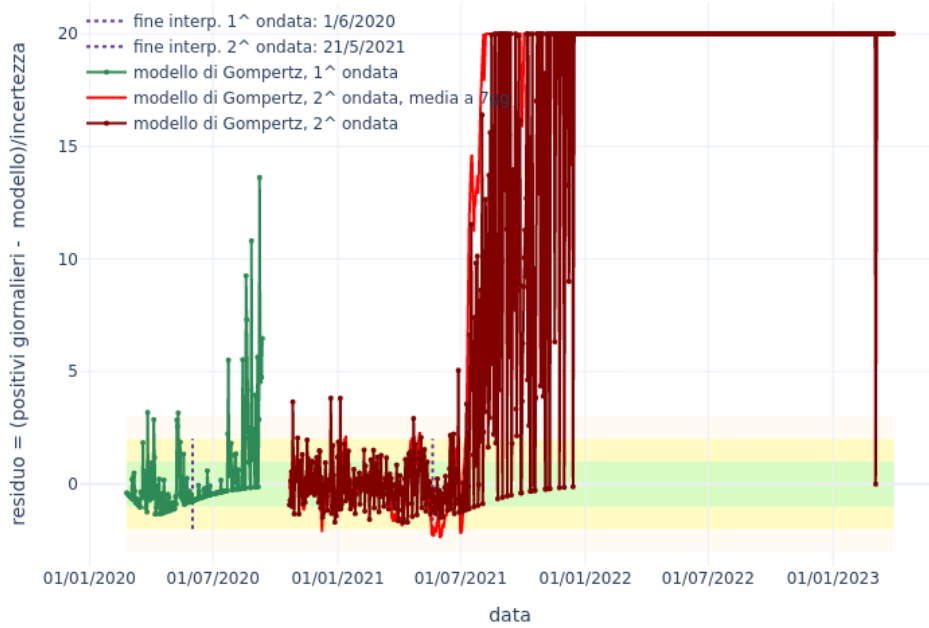


Fig. 644

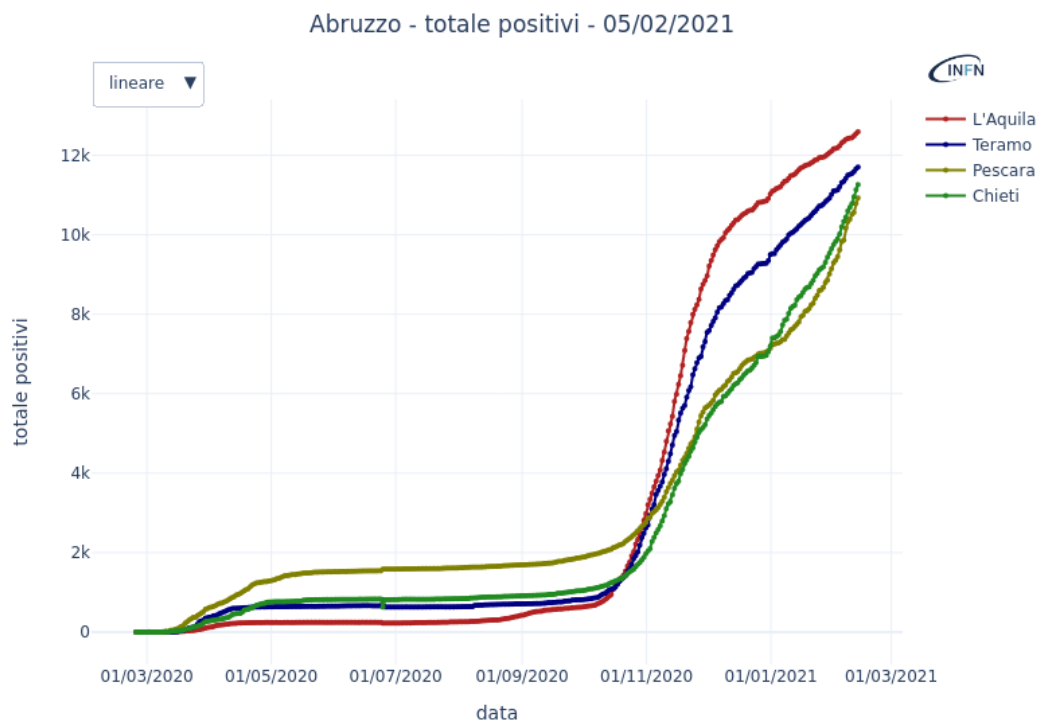


Fig. 645

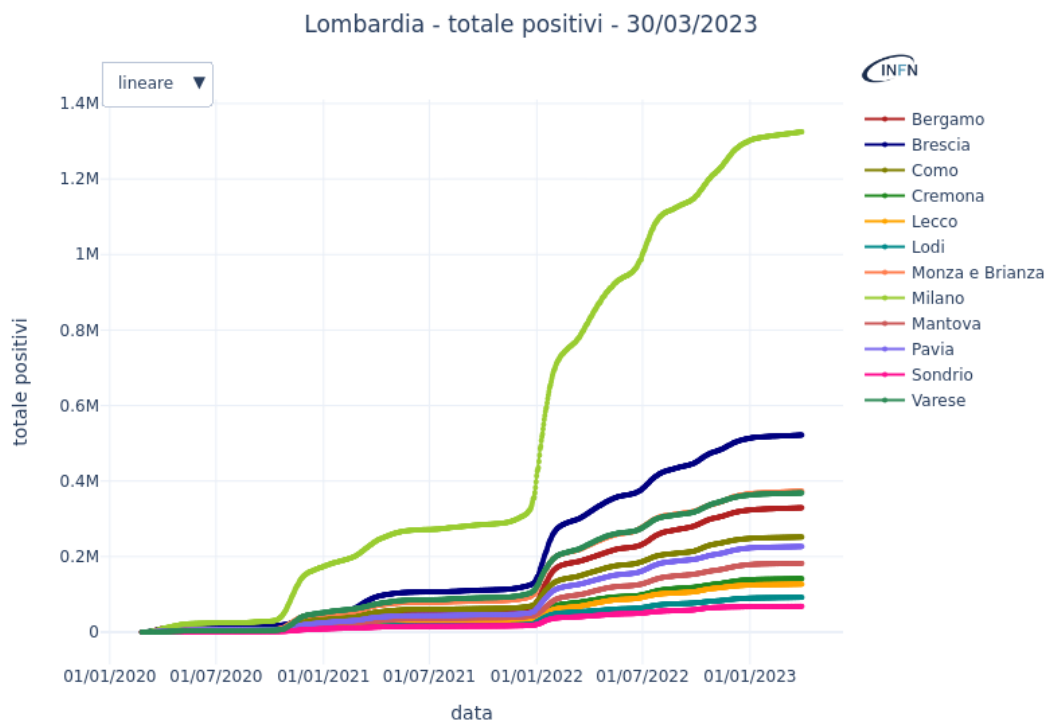


Fig. 646

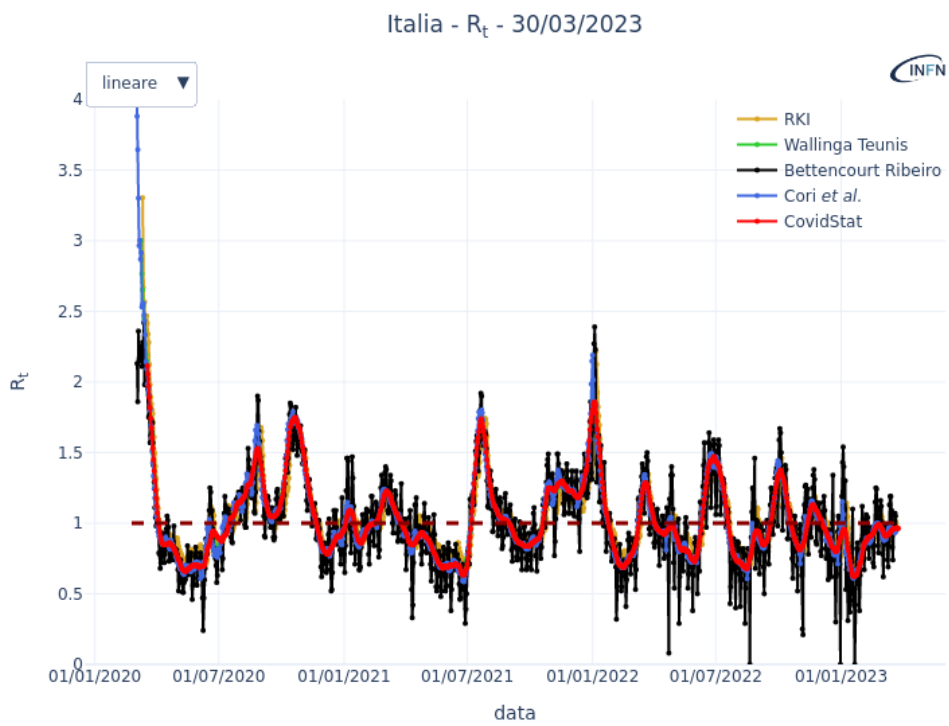


Fig. 647

Italia e Unione Europea - attualmente positivi - 30/03/2023

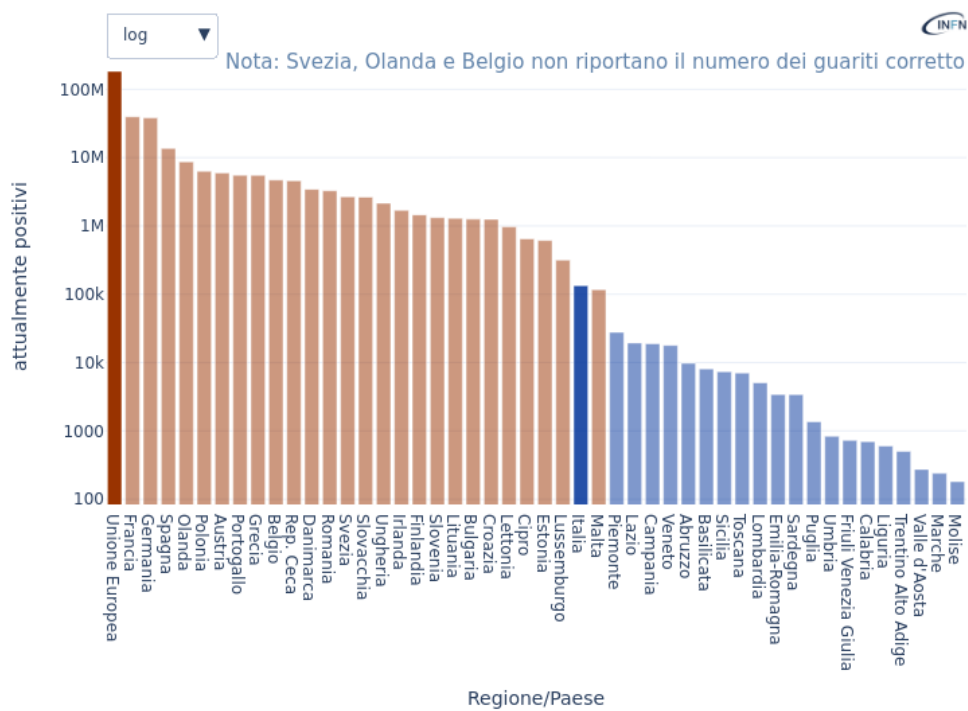


Fig. 648



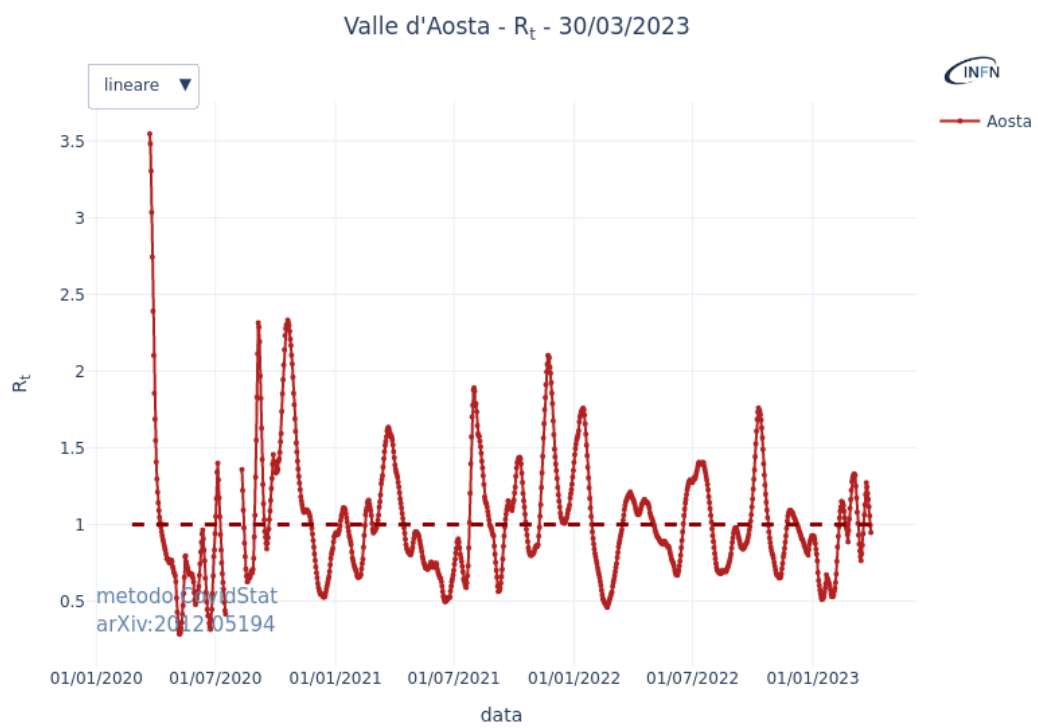


Fig. 649

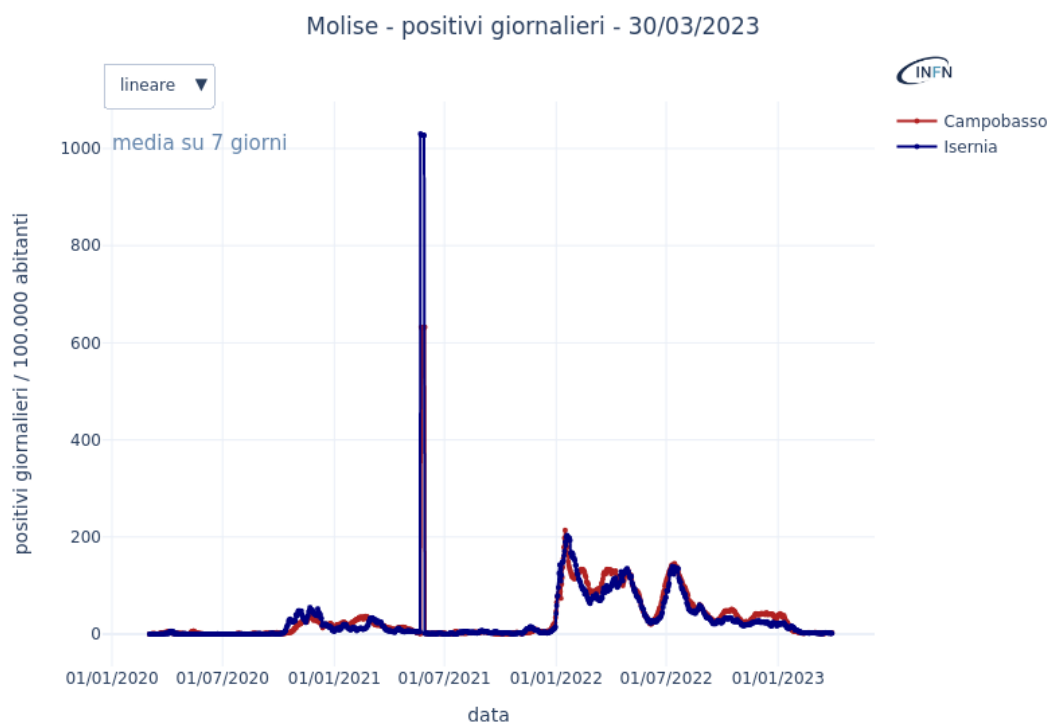


Fig. 650

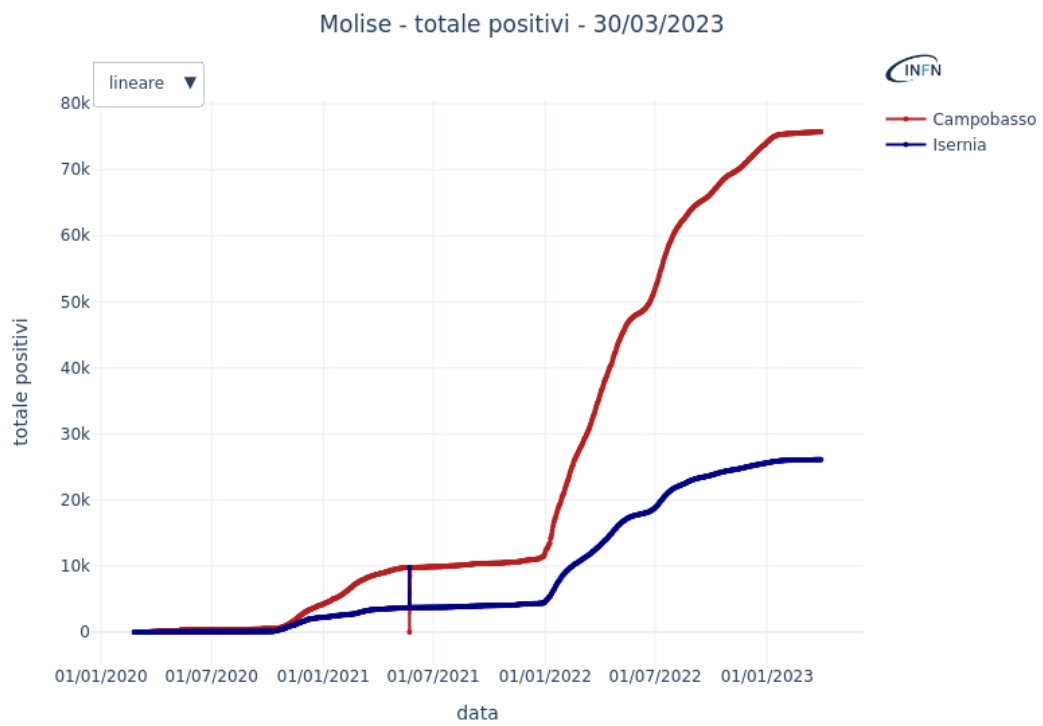


Fig. 651

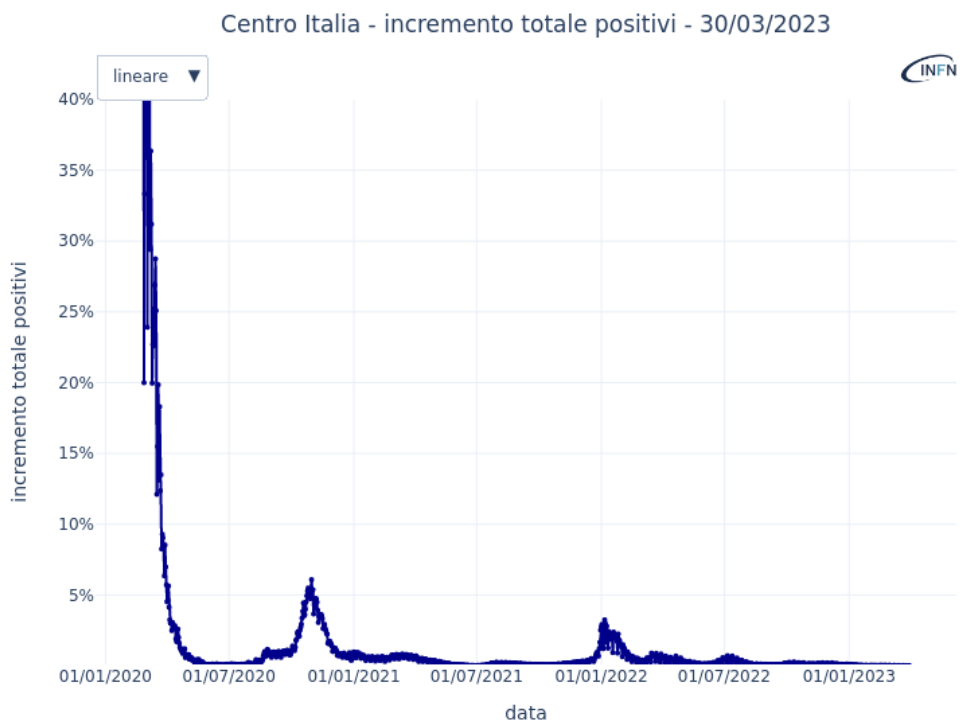


Fig. 652

Sardegna - tasso di crescita terapia intensiva - 30/03/2023

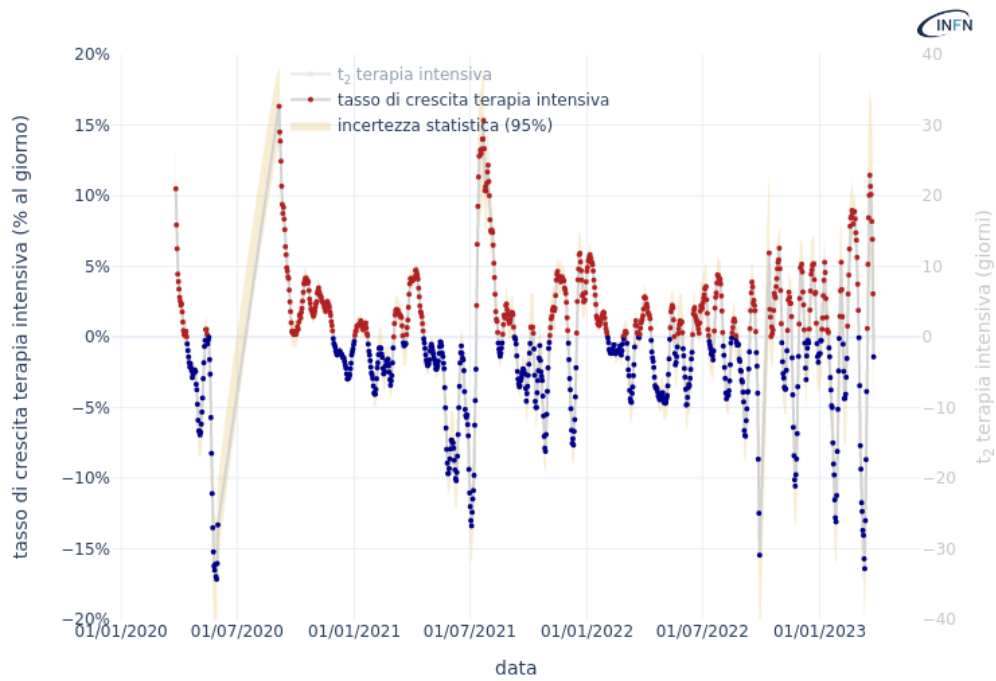


Fig. 653

Friuli Venezia Giulia - tempo di raddoppio (inverso) decessi - 30/03/2023

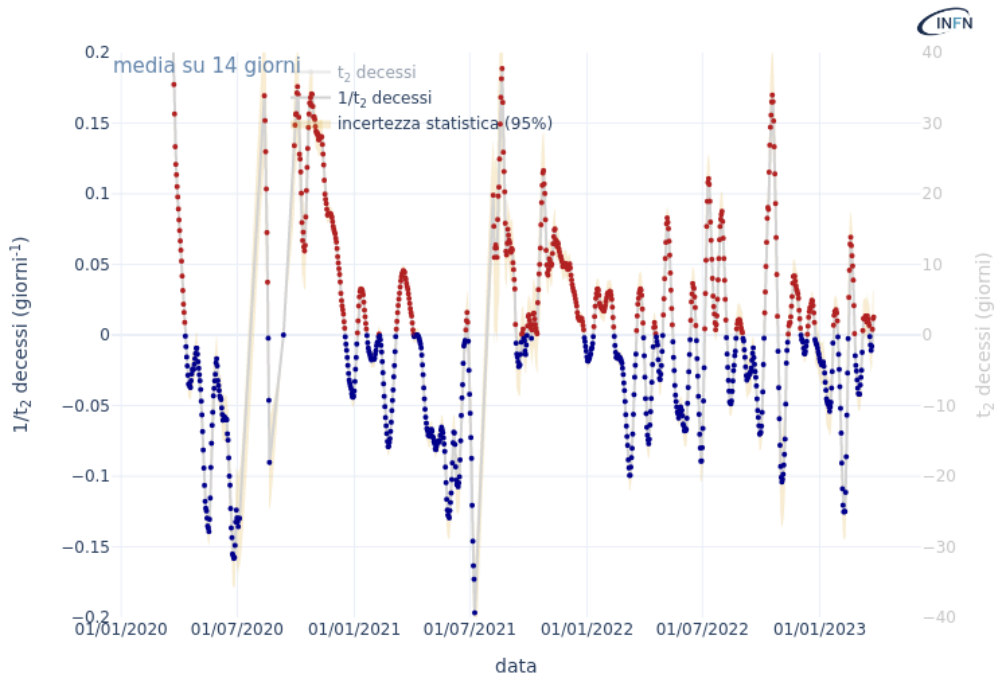


Fig. 654

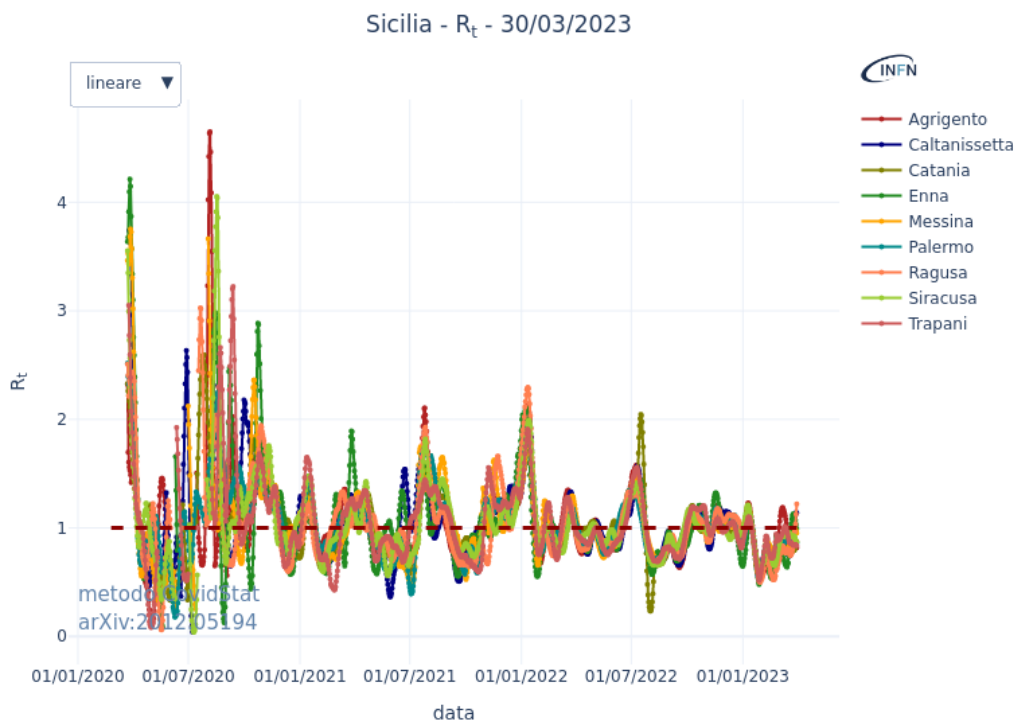


Fig. 655

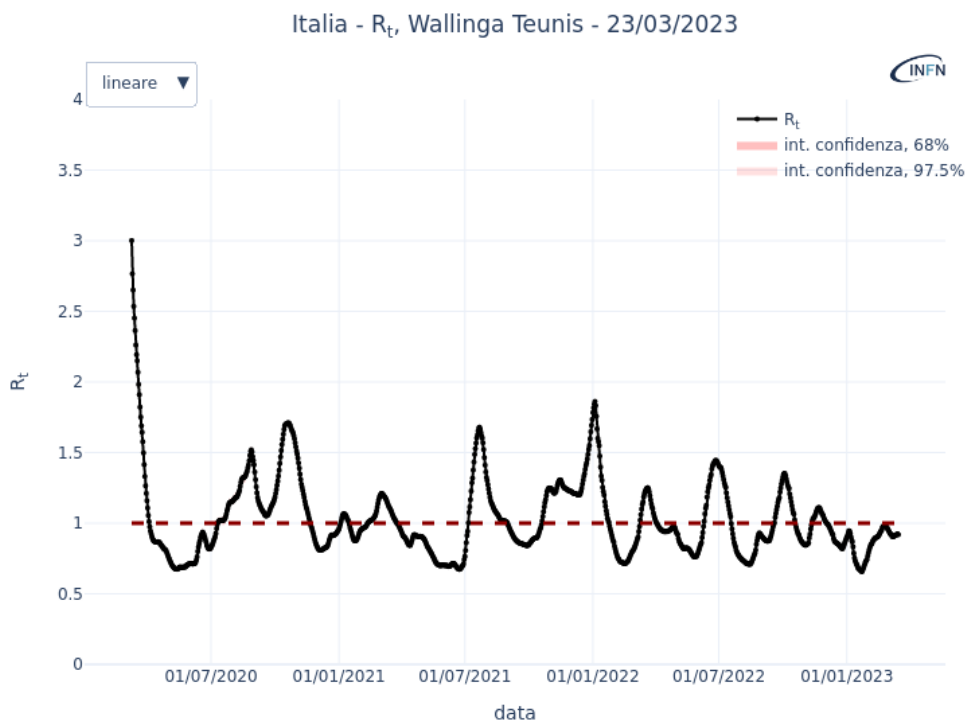


Fig. 656



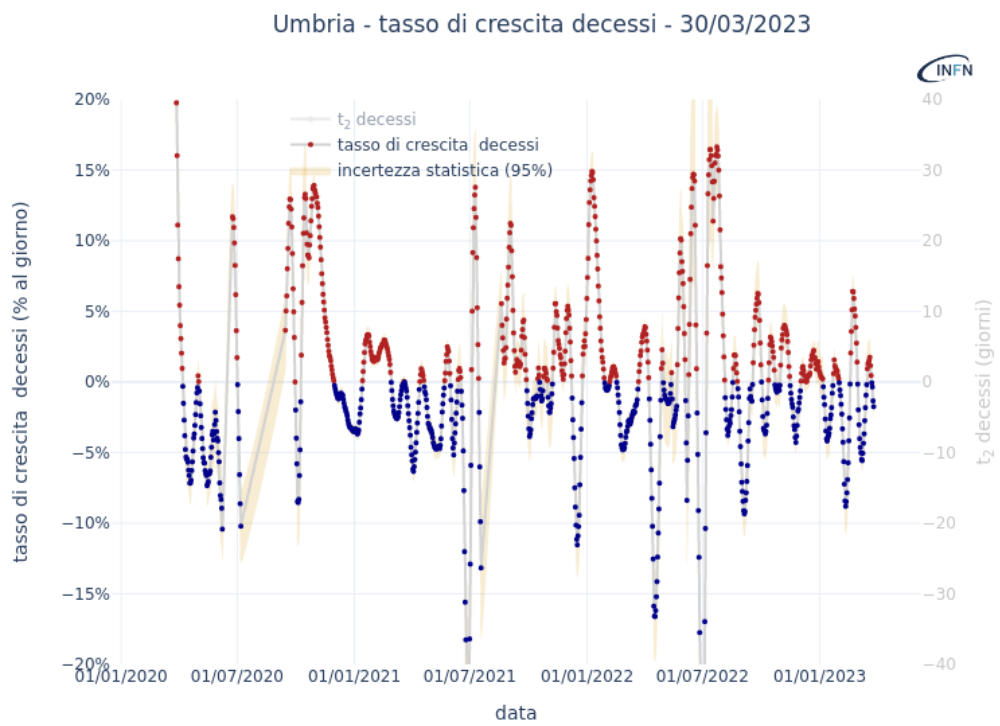


Fig. 657

Puglia - positivi e tamponi giornalieri - 30/03/2023

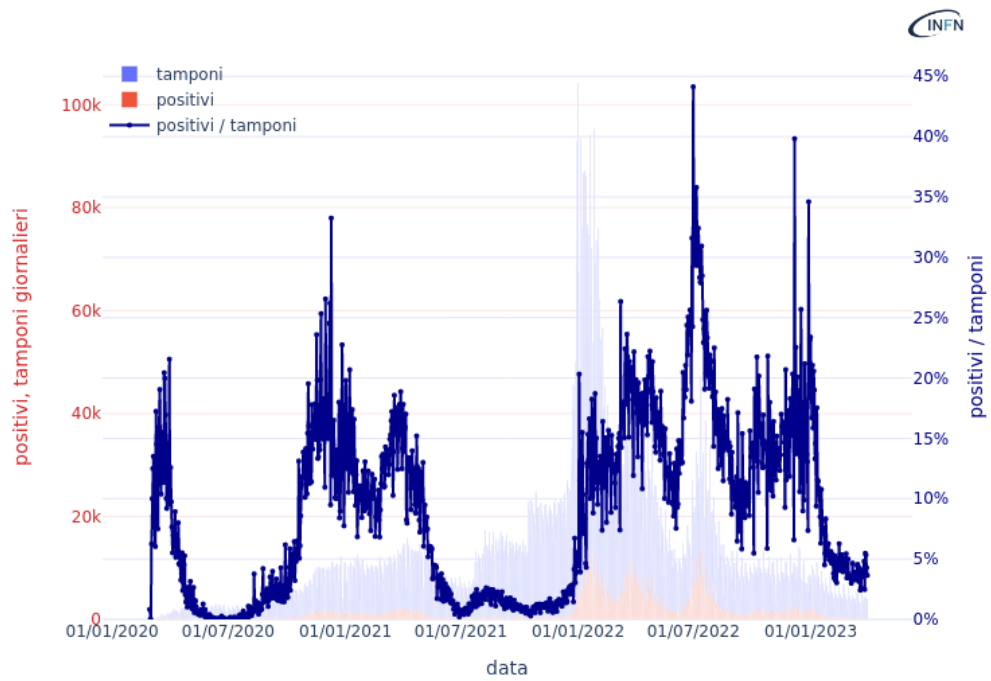


Fig. 658

Umbria - tempo di raddoppio (inverso) decessi - 30/03/2023

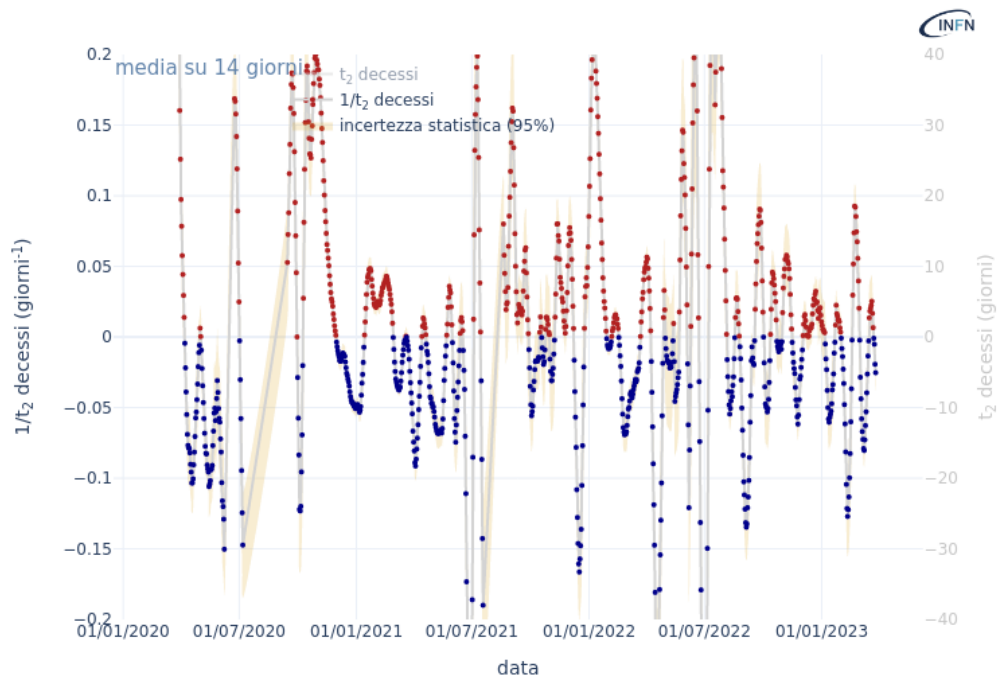


Fig. 659

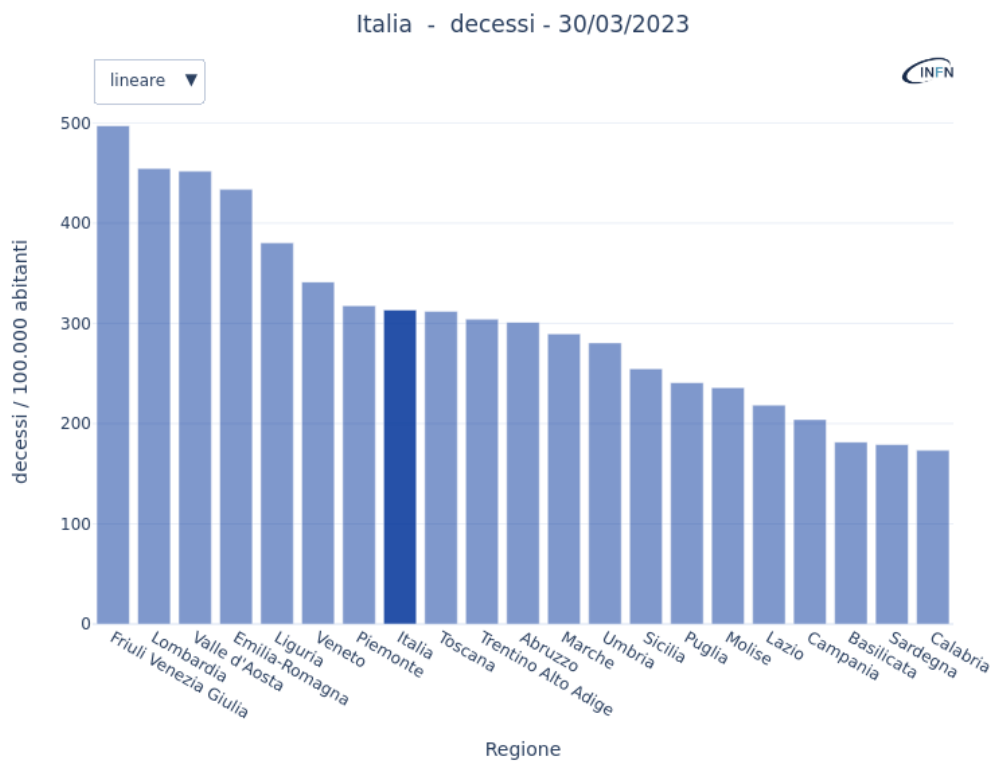


Fig. 660

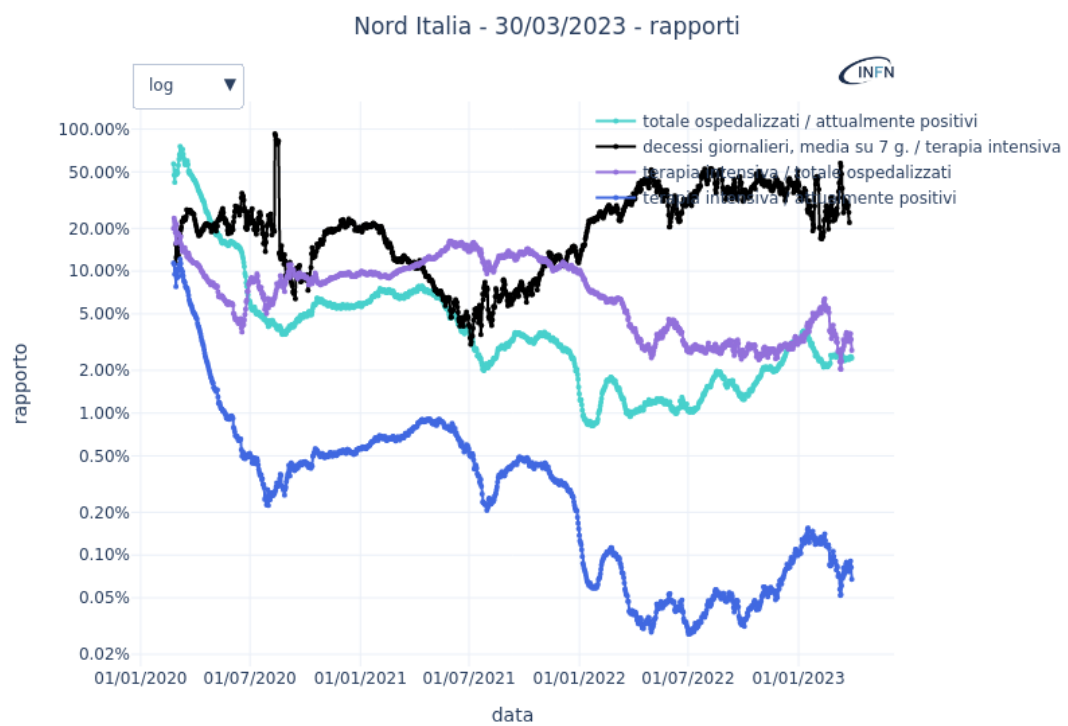


Fig. 661