

ESTIMATING THE COSTS FOR A SINGLE HOSPITALISATION EPISODE

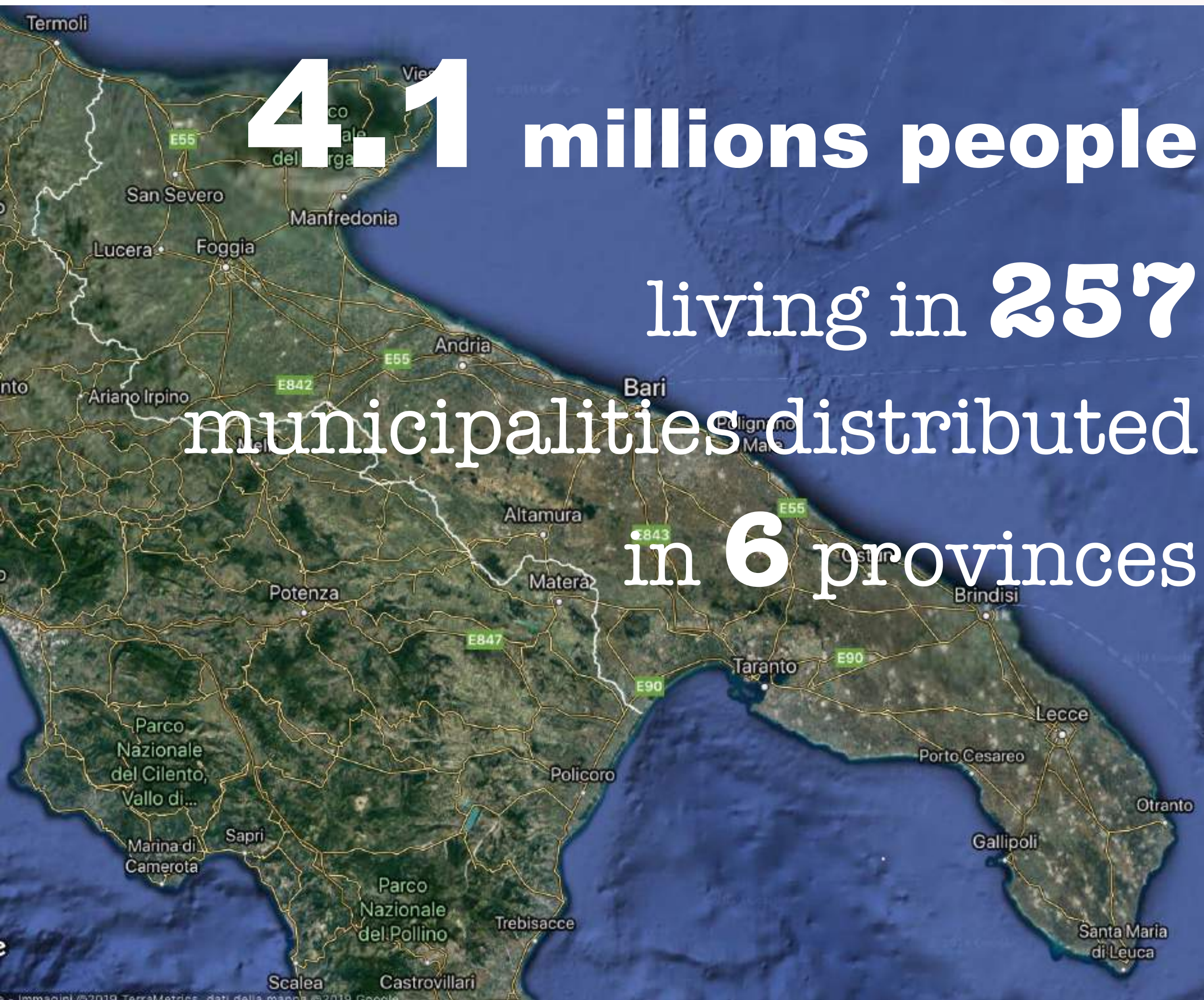
WEBINAR 13: EHMA AND COVID-19

THE APULIA REGION EXPERIENCE



Agenzia
Regionale
per la Salute
ed il Sociale
Puglia

The Apulia Region: Healthcare Overview



4.1 millions people
living in **257**
municipalities distributed
in **6** provinces

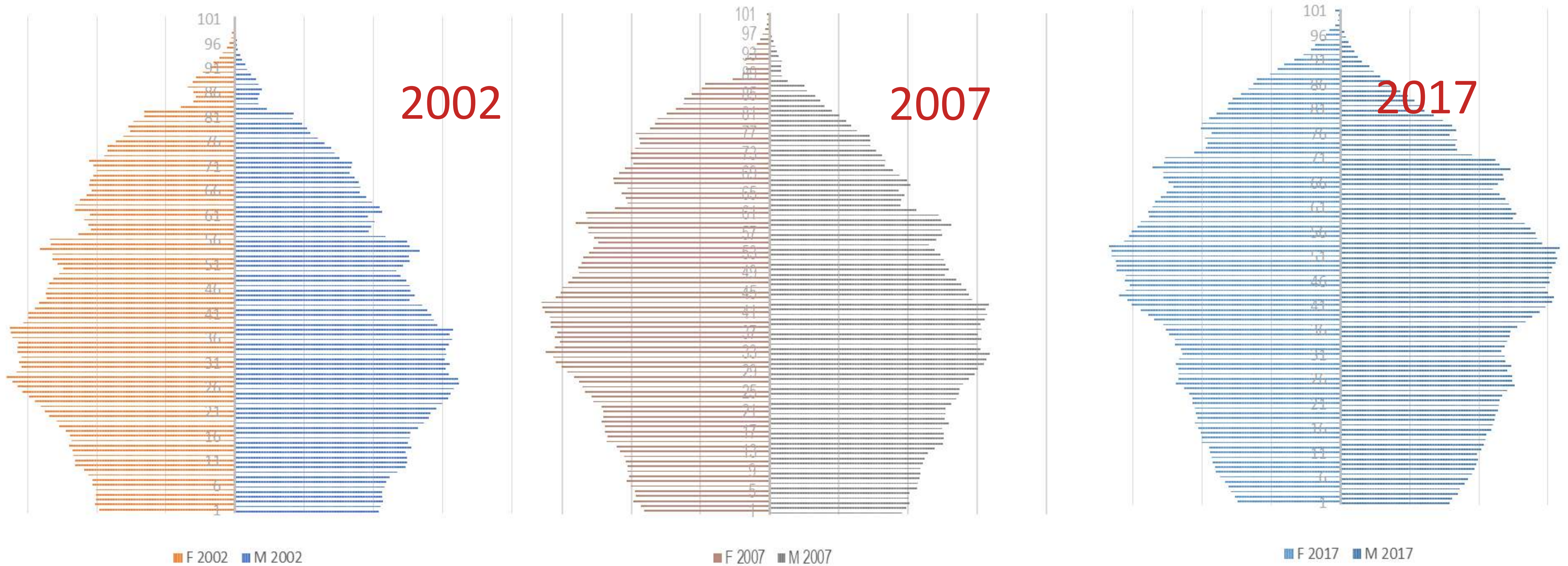
€ 7.4 billions of annual
health expenditure
6 Local Health Authorities

- **31** public hospitals
- **550** health community facilities

2 University Hospitals & **2** Research
Hospitals (all public)
33 private hospitals
500 private social providers

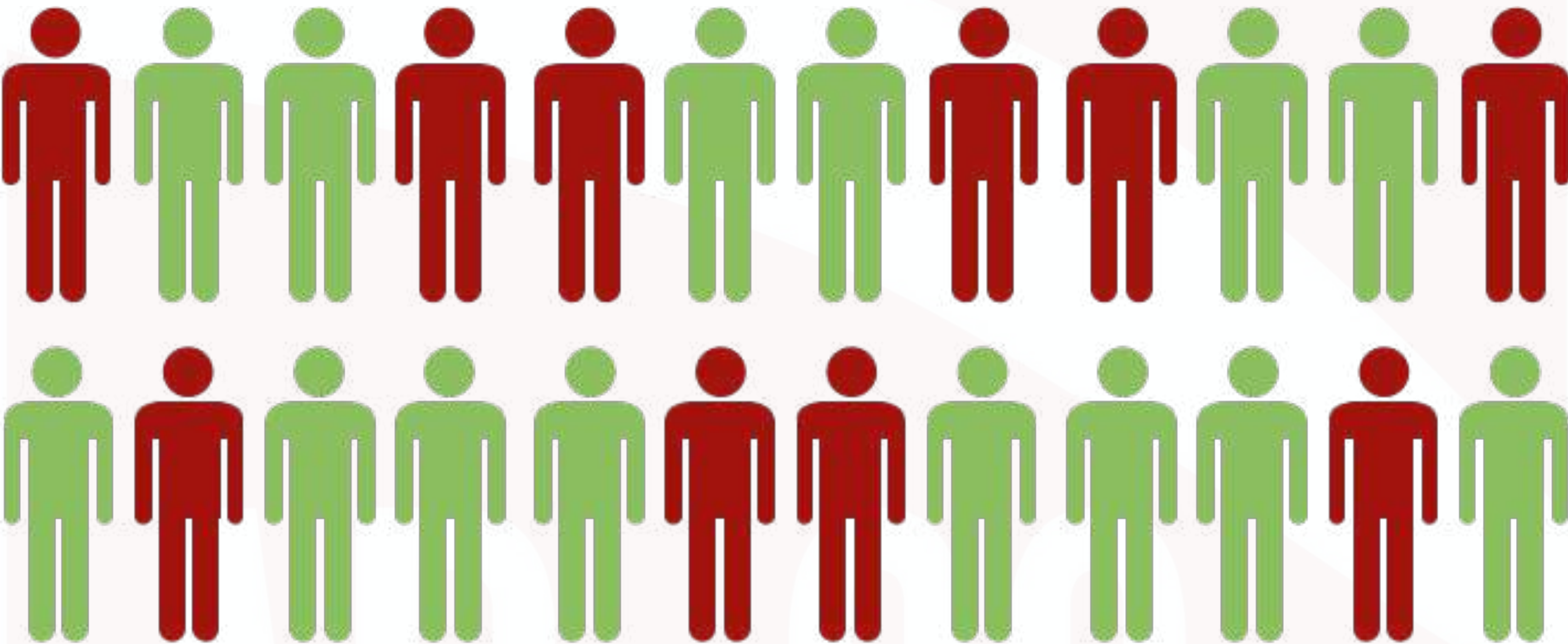
The Apulia Region: Healthcare Overview

Age Pyramid



A Region increasingly ageing...

The Apulia Region: Healthcare Overview



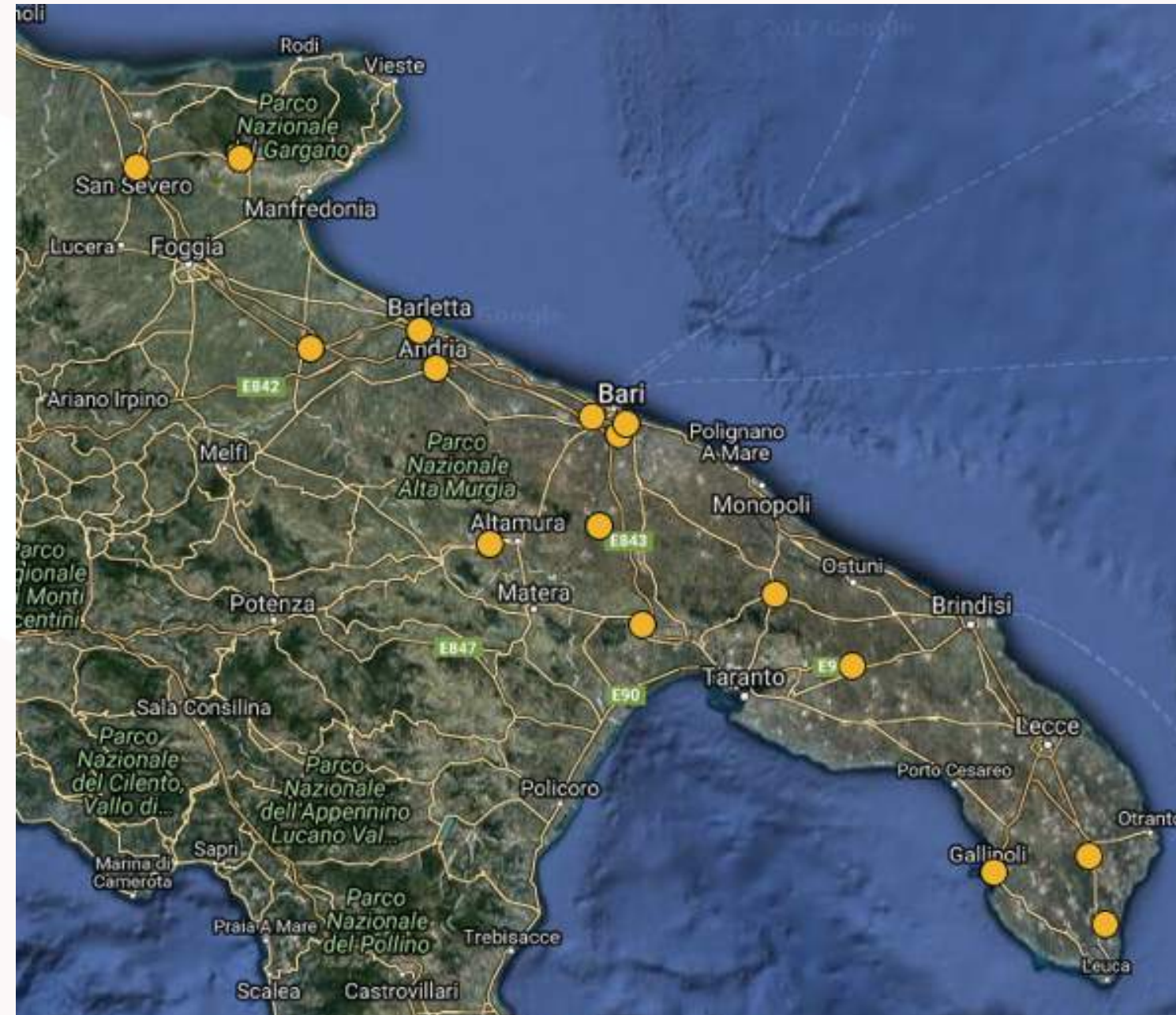
4 out of 10
are chronic
patients
and expend
86% of Regional
Health Budget

A Region increasingly ageing...and chronically living

The Apulia Region: Healthcare Overview



5
2nd Level
Hospitals
average
800 beds



16
1st Level
Hospitals
average
300 beds



12
Basic Hospitals
average
130 beds

COVID-19 Emergency in Apulia Region

30 September 2020
Update

7.786

Casi confermati
Confirmed Cases

2.516

Attualmente positivi
Currently Positives

99

Nuovi casi
New Cases

2.287

A domicilio¹
At Home

229

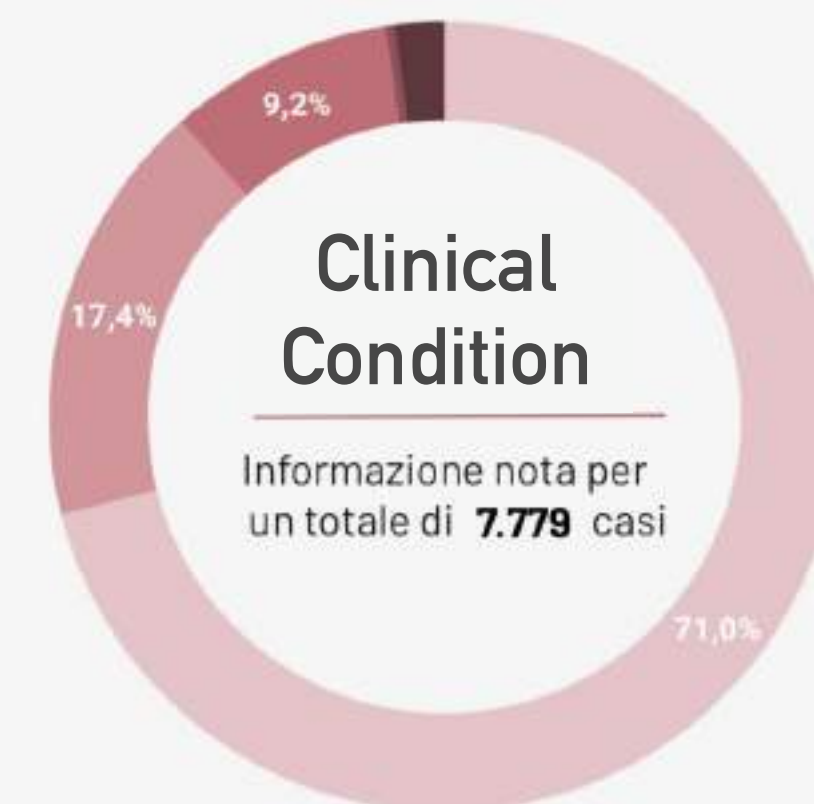
Ricoverati¹
Hospitalized

595

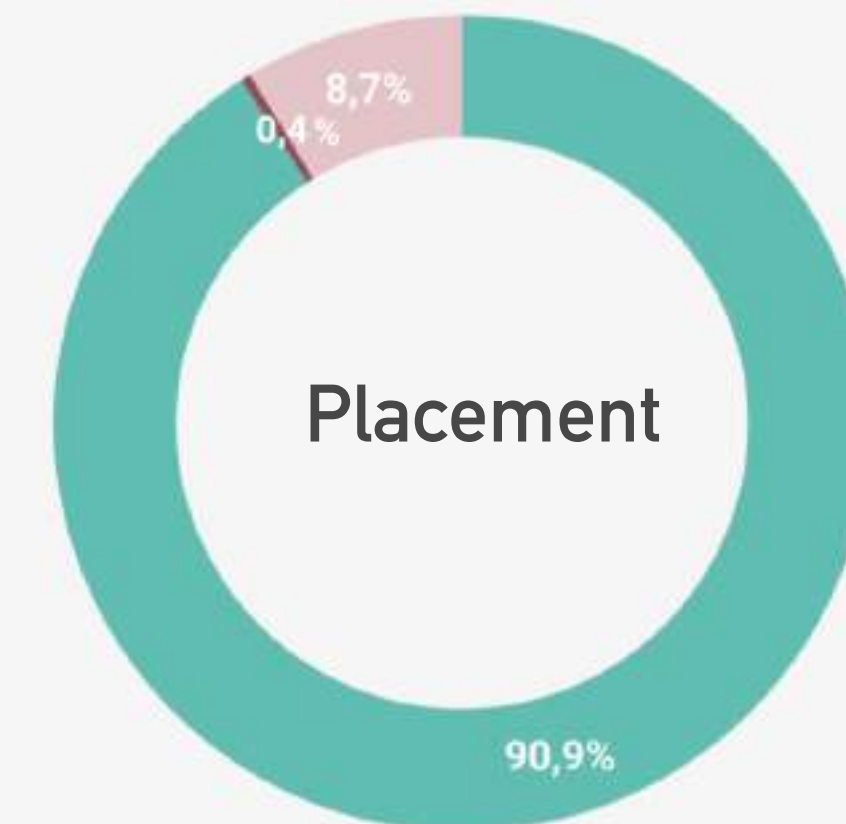
Deceduti²
Deceased

4.675

Guariti²
Healed

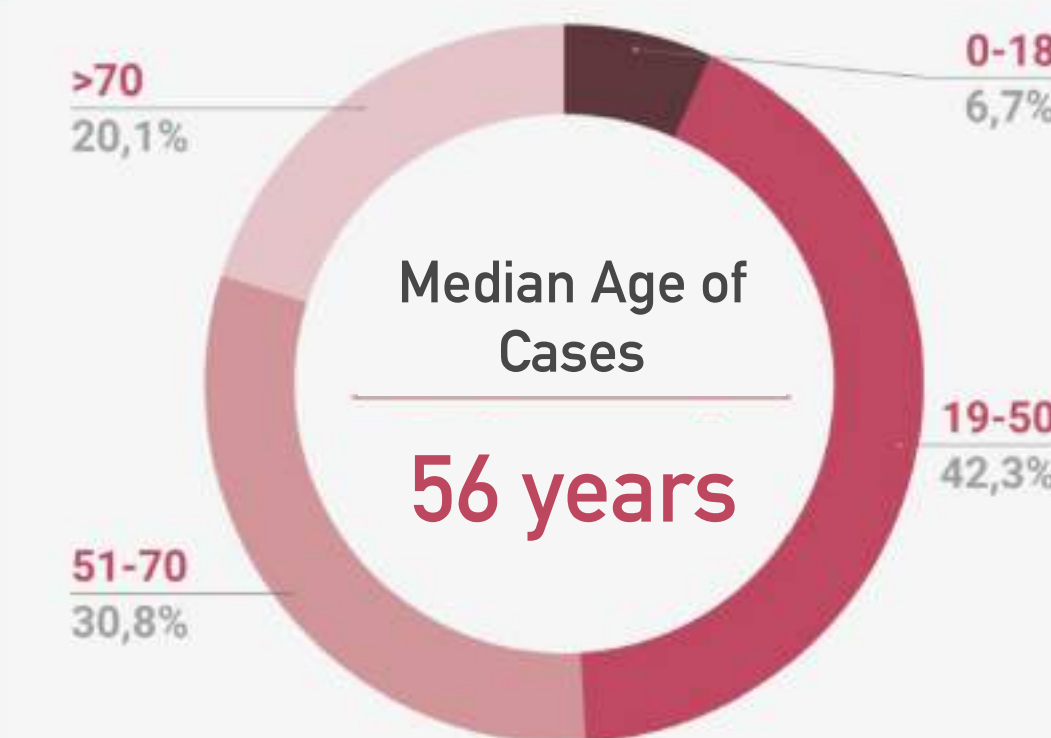


asymptomatic
paucisymptomatic
mild
critical
severe



hospitalized
in ICU
at home

AGE GROUPS

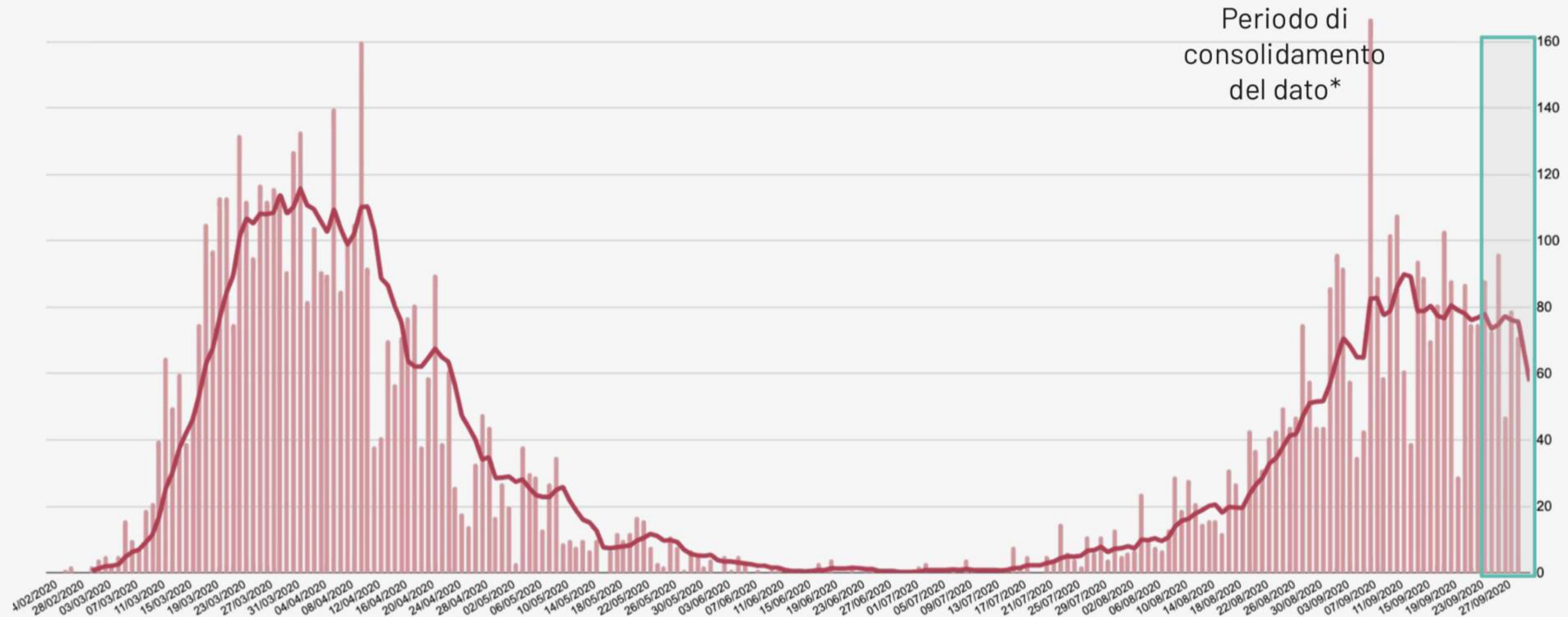


Età	Deaths (n)	Lethality (%)
0-9	0	0
10-19	0	0
20-29	0	0
30-39	5	0,5
40-49	10	0,9
50-59	28	2
60-69	59	5,6
70-79	155	21,3
80-89	233	35,6
>90	105	40,7
Totale	595	7,6

COVID-19 Emergency in Apulia Region

NR. OF DAILY CASES PER SWAB DATE

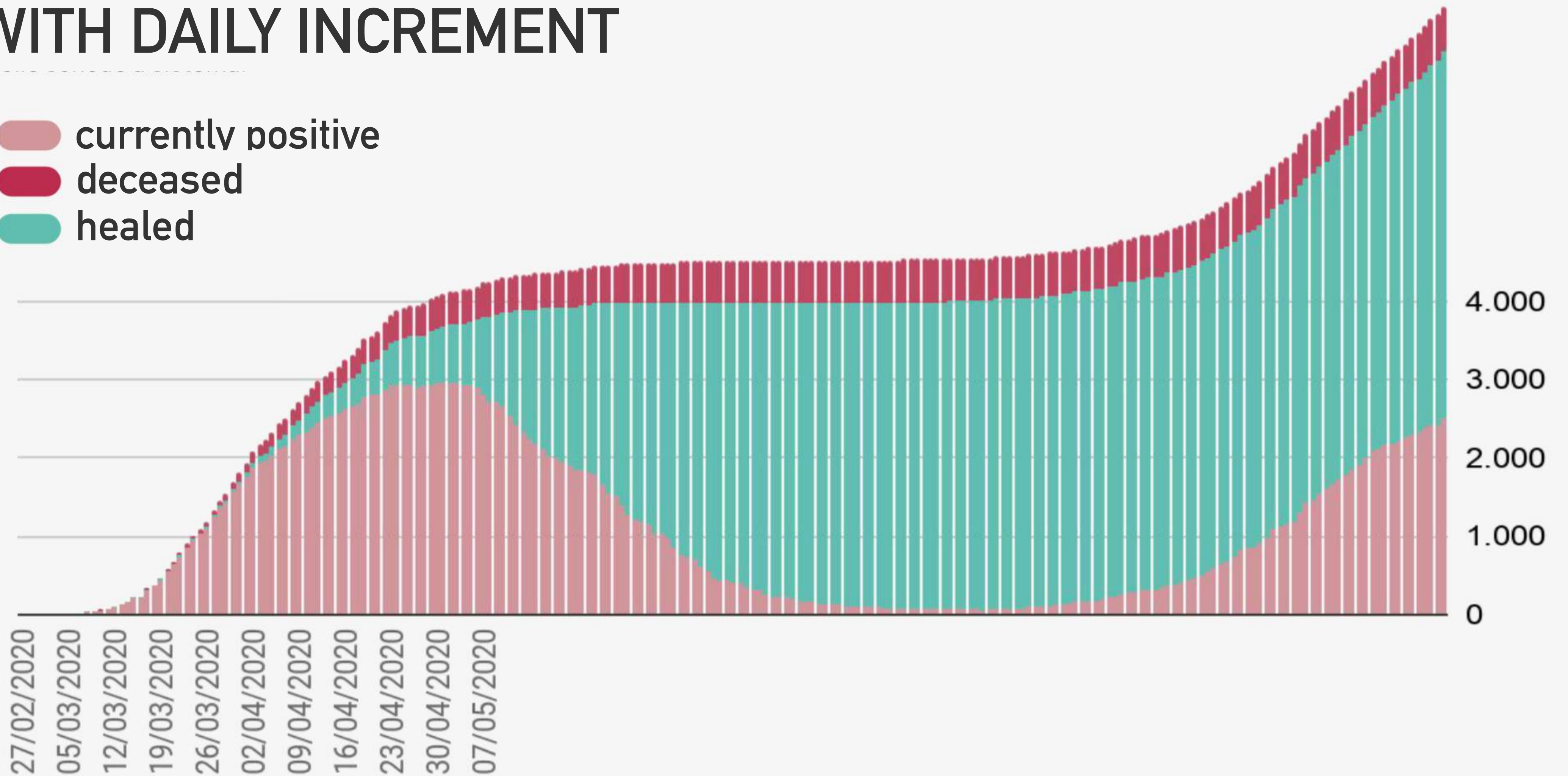
The red line shows the moving average for seven consecutive days



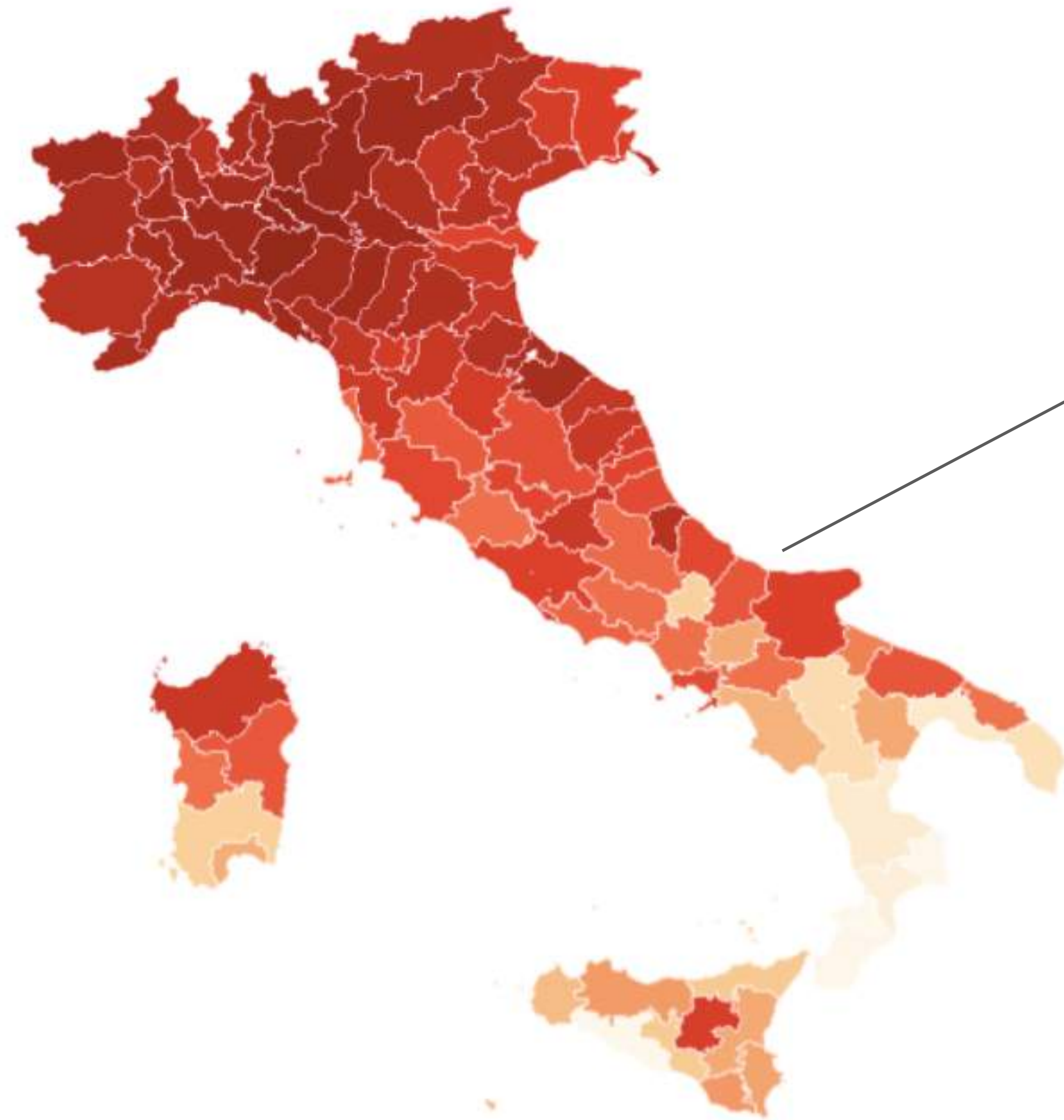
COVID-19 Emergency in Apulia Region

CUMULATIVE NUMBER WITH DAILY INCREMENT

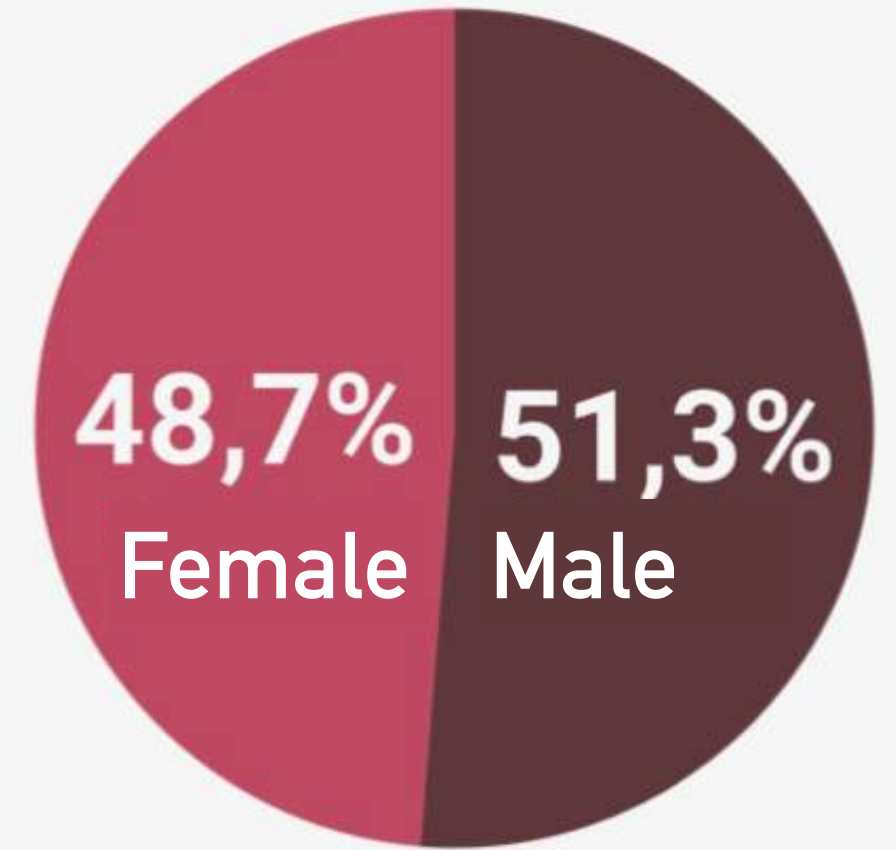
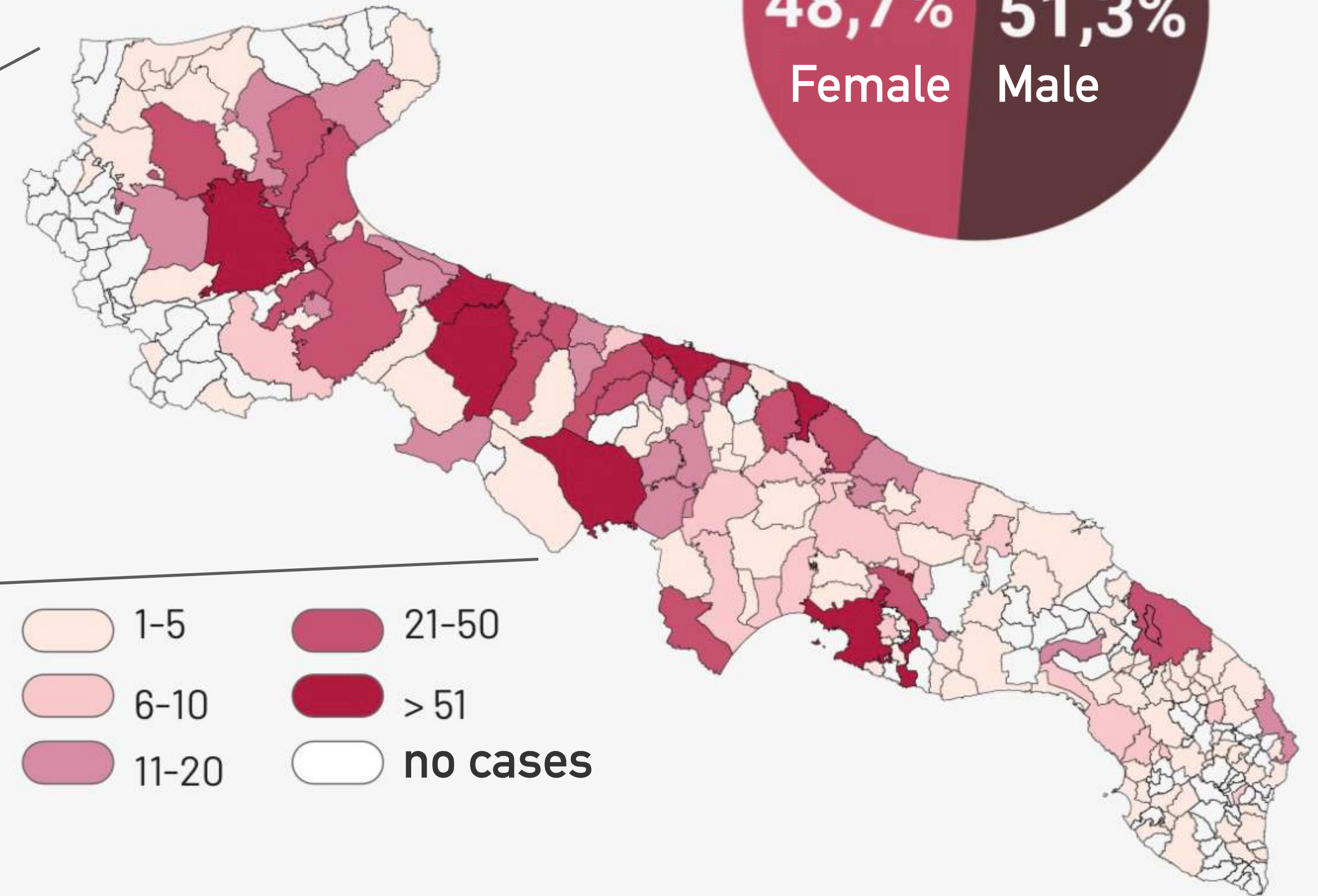
- currently positive
- deceased
- healed



COVID-19 Approach by Apulia Region



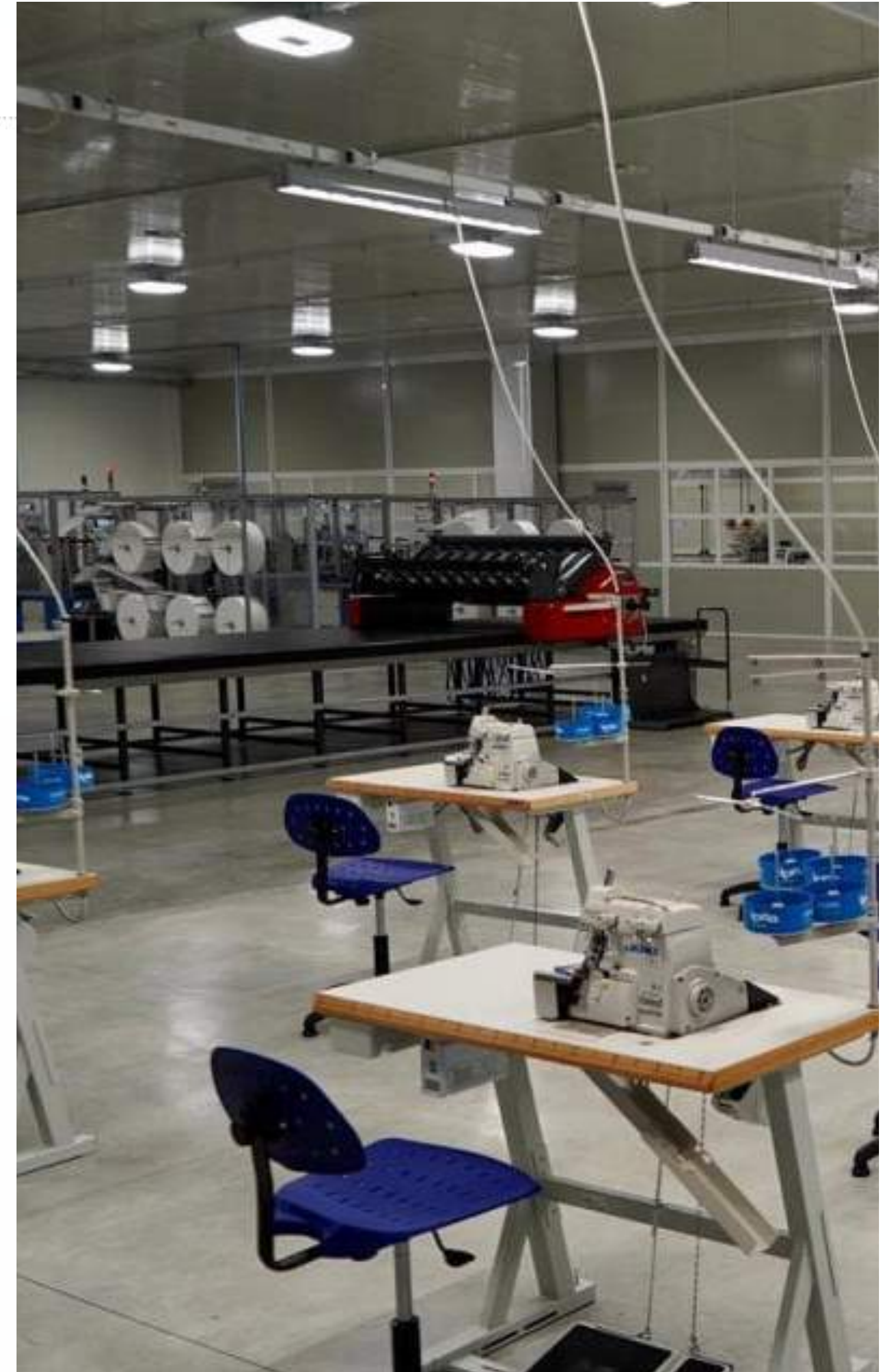
MAP OF CURRENTLY POSITIVE



COVID-19 Approach by Apulia Region



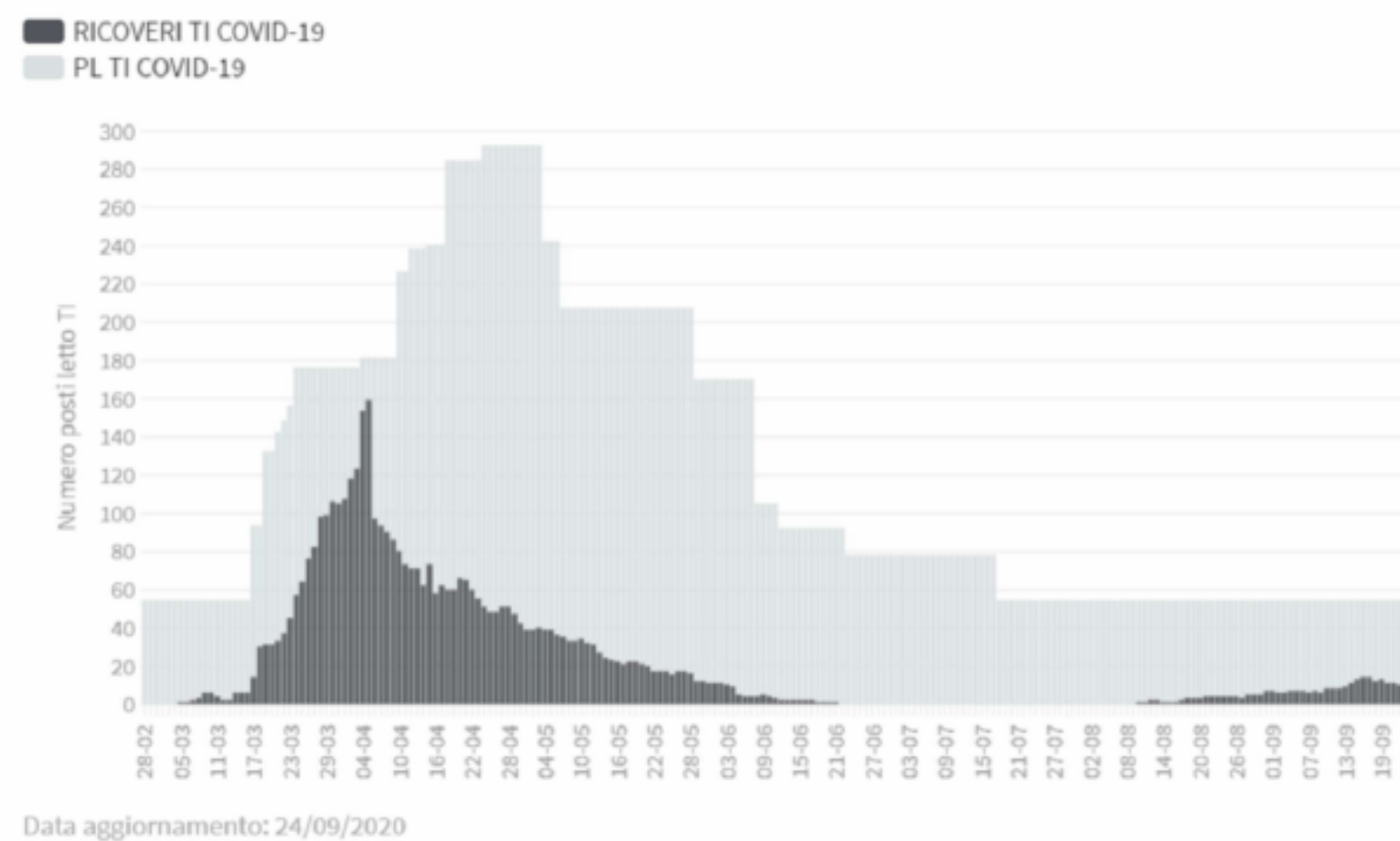
#ACCASA: SISTEMA DI TELEMONITORAGGIO COVID19



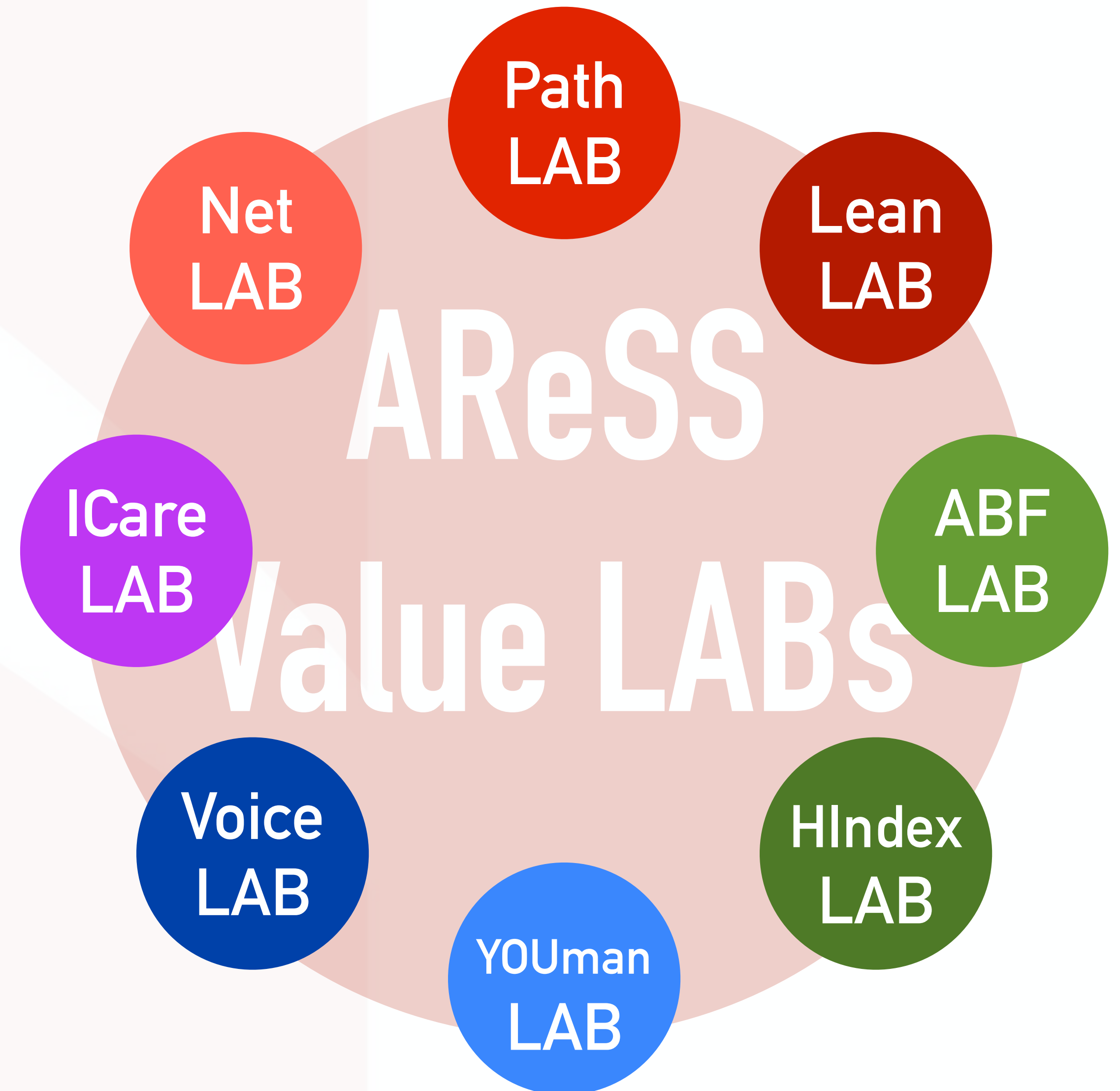
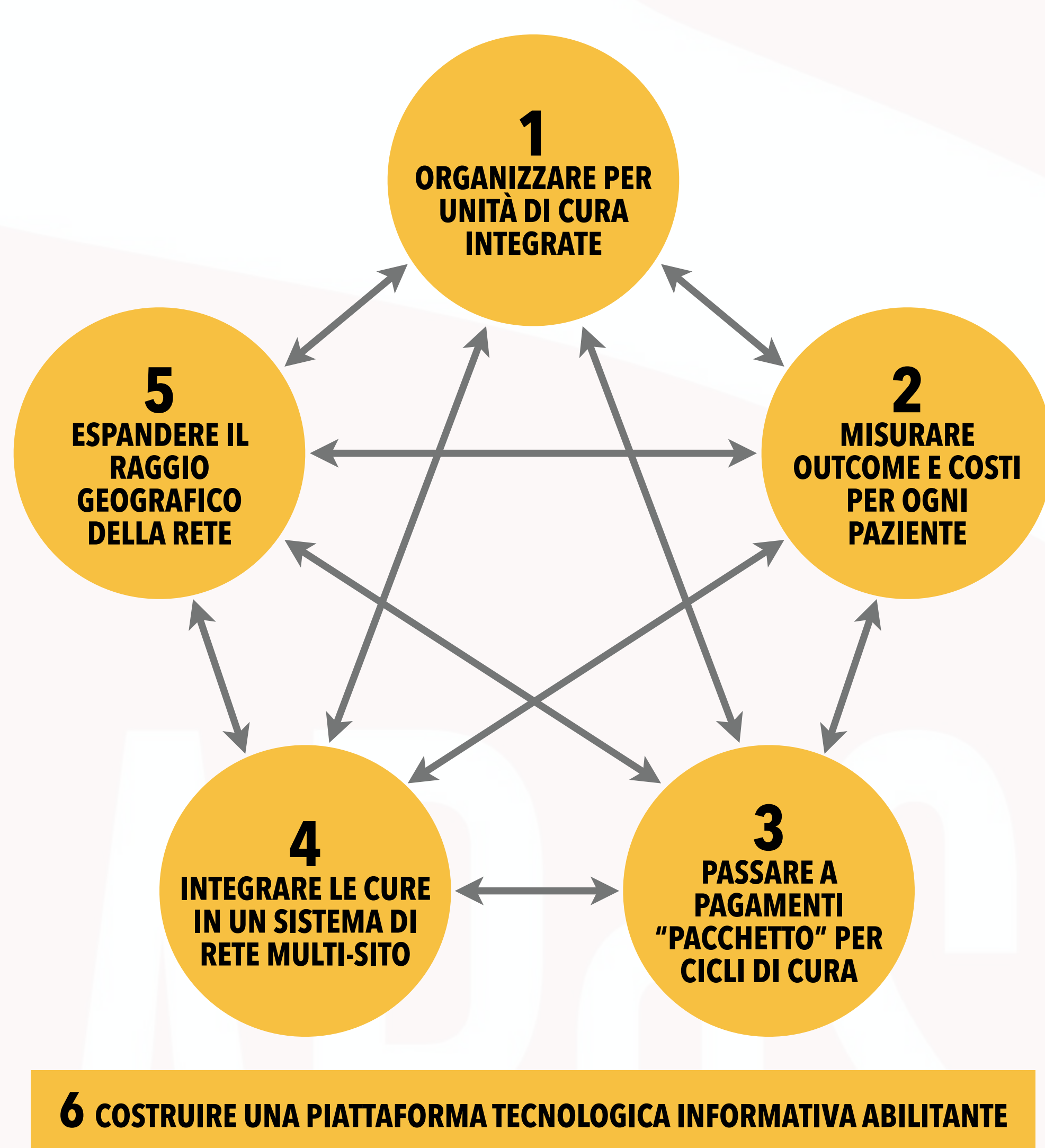
Casi attualmente positivi per distretto socio-sanitario



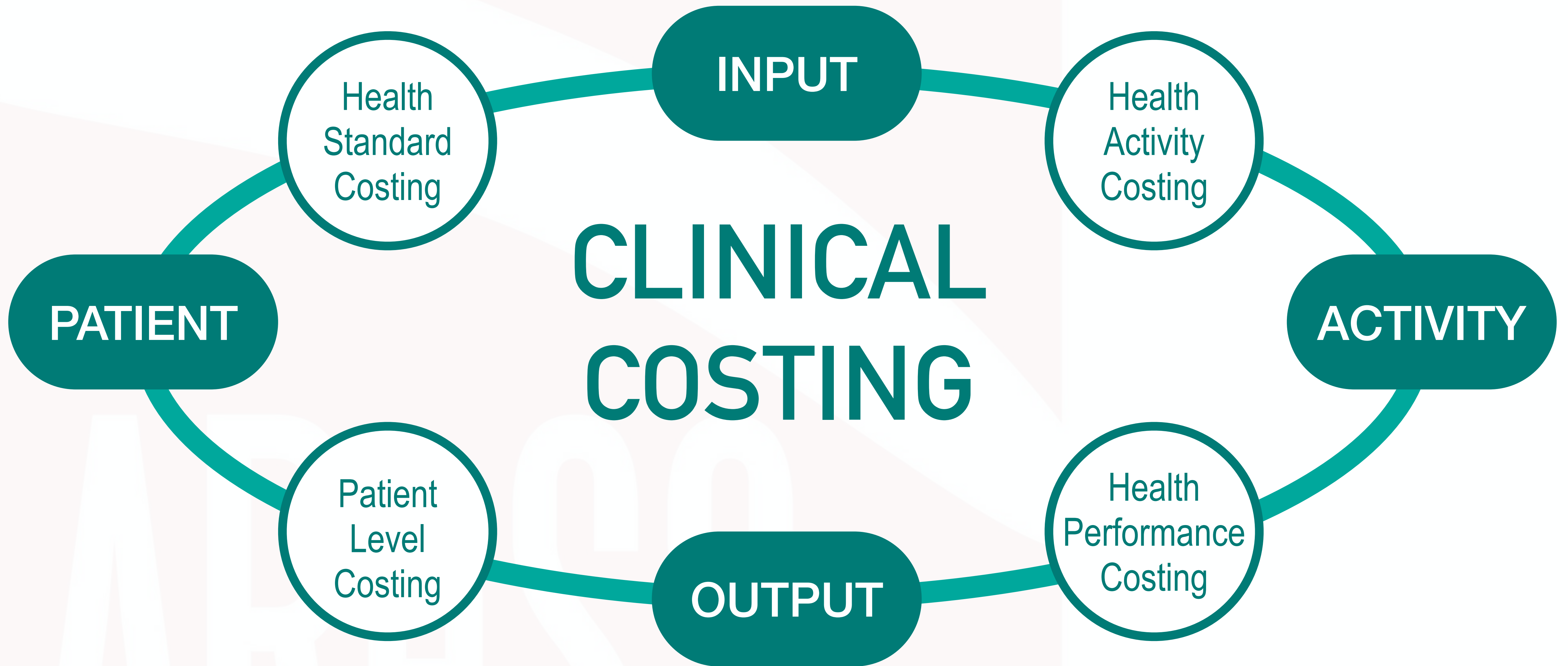
Andamento giornaliero dei ricoveri e dei posti letto in Terapia Intensiva



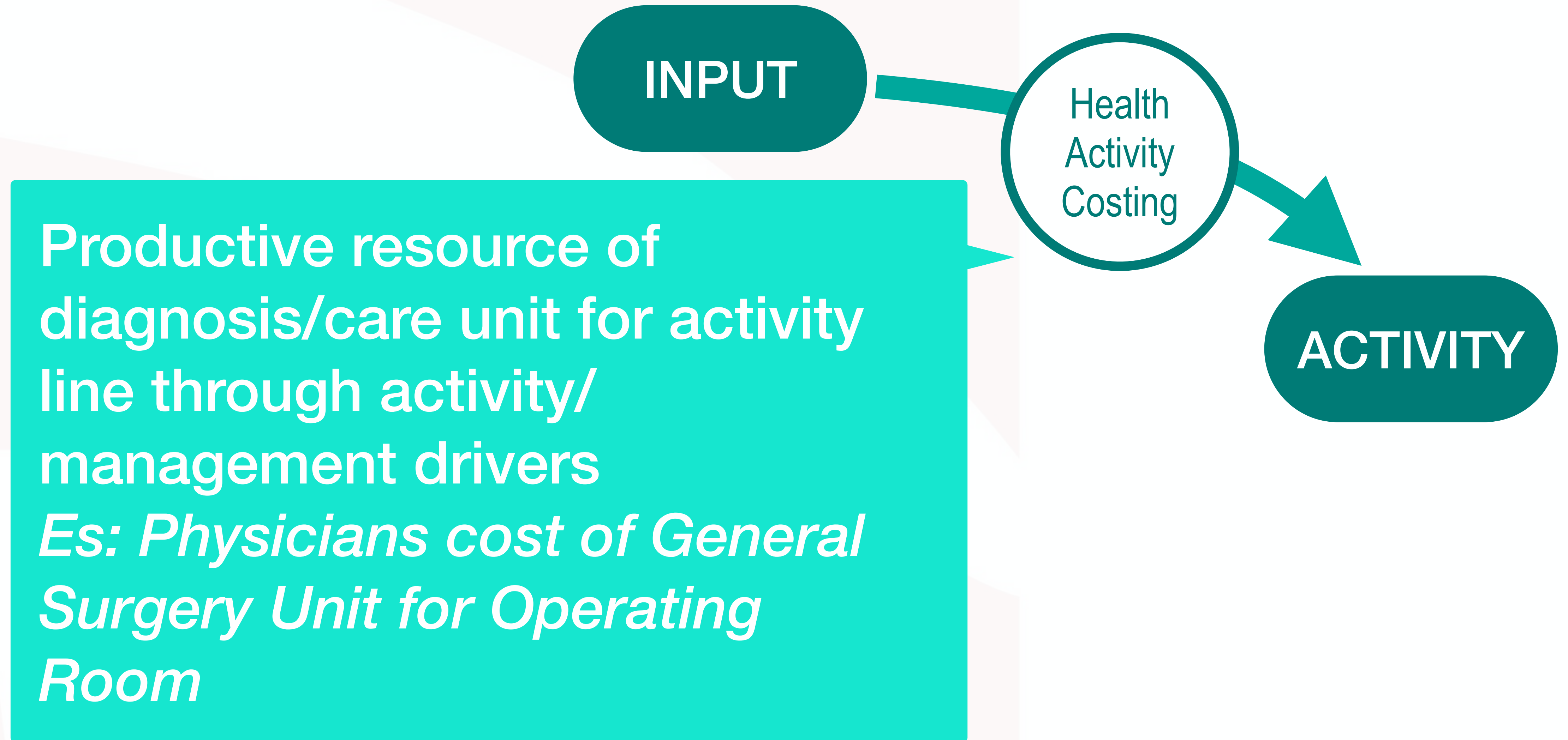
AReSS for Value: from VBHC Agenda to Value Labs



Our Clinical Costing: How Does It work?



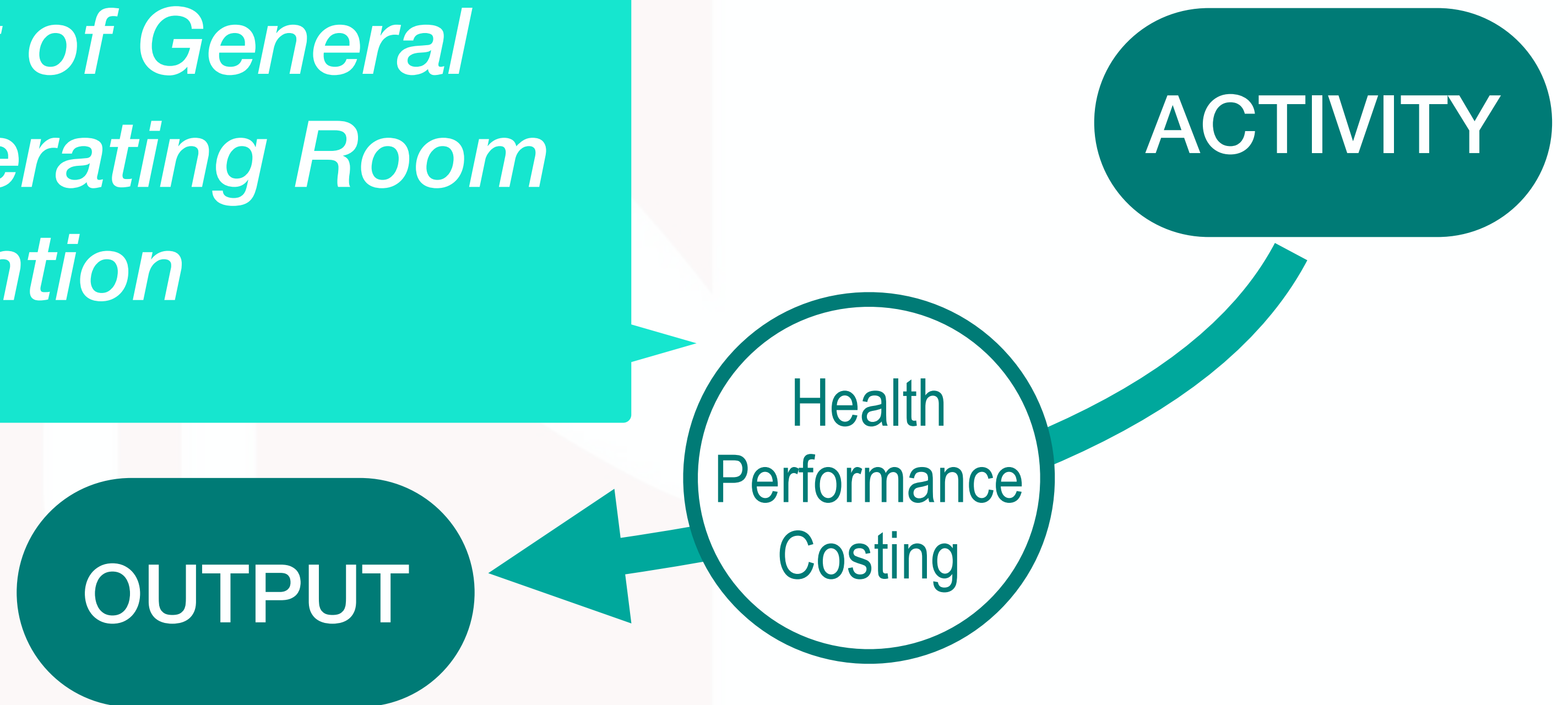
Our Clinical Costing: How Does It work?



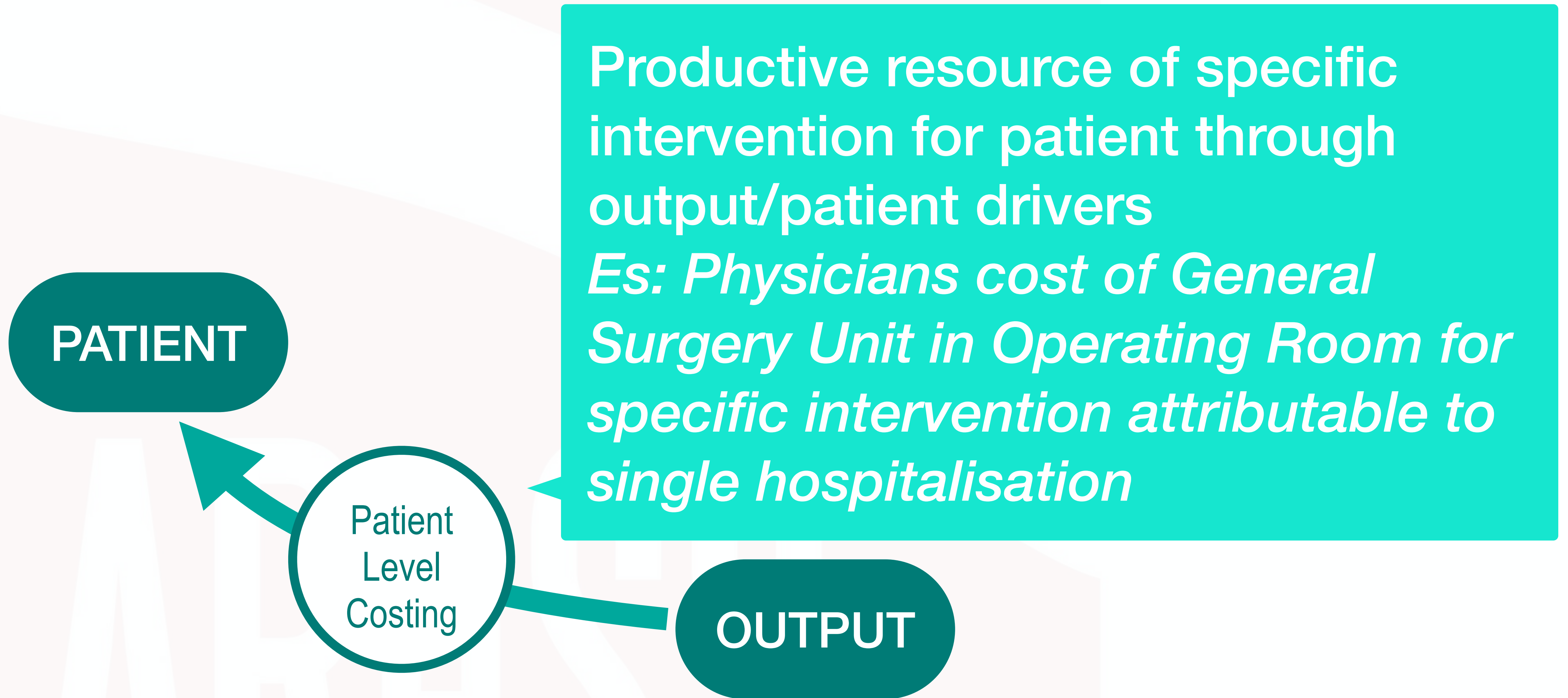
Our Clinical Costing: How Does It work?

Productive resource of activity line for output/service through output drivers

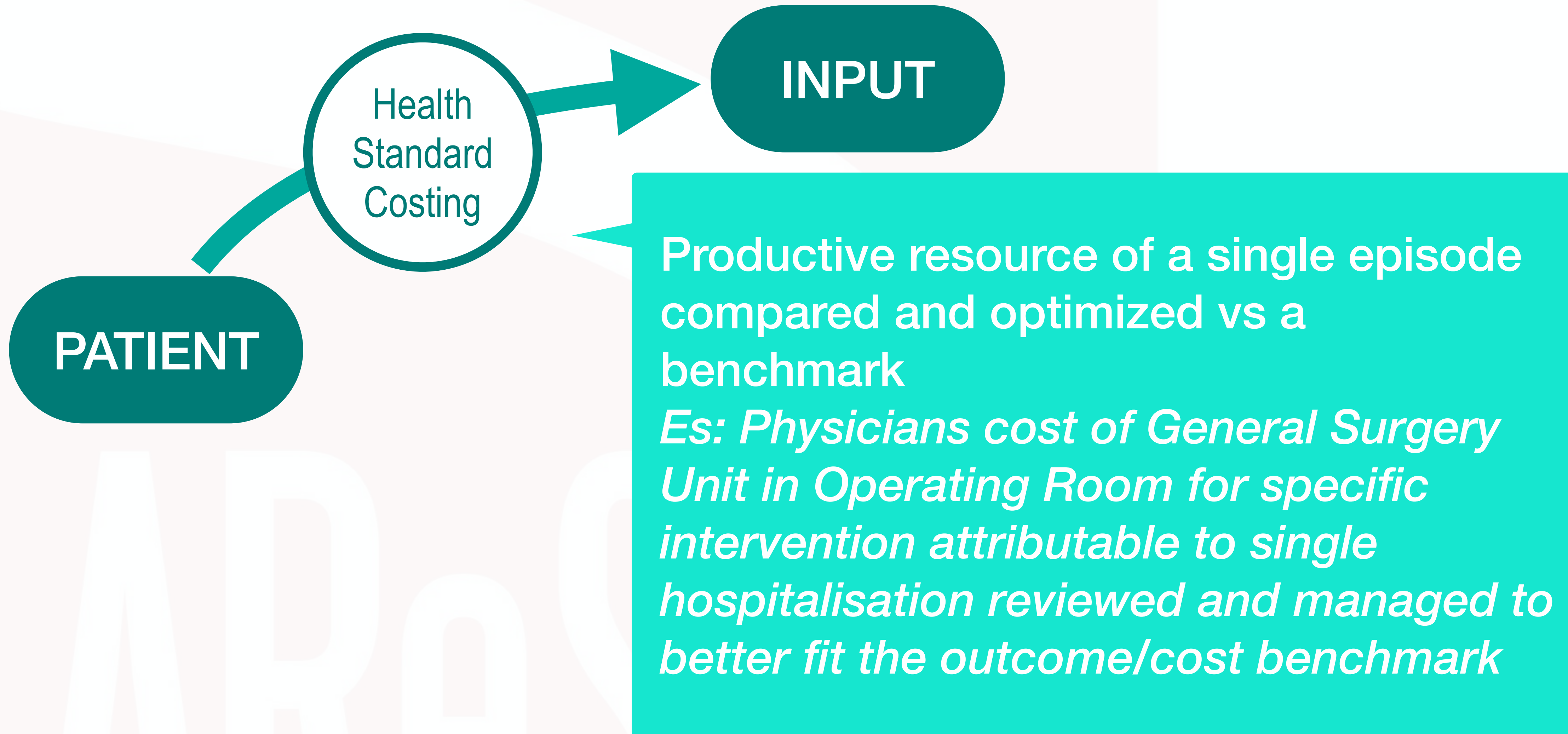
Es: Physicians cost of General Surgery Unit in Operating Room for specific intervention



Our Clinical Costing: How Does It work?



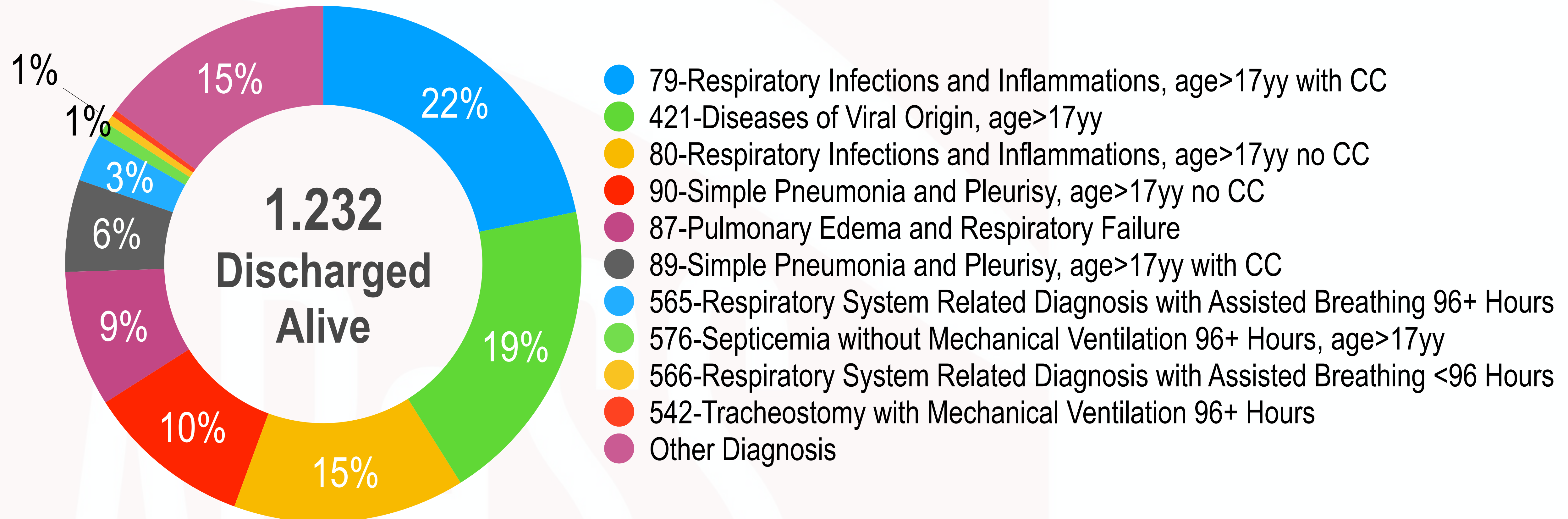
Our Clinical Costing: How Does It work?



Estimating COVID Hospitalisation Costs

HOSPITAL DISCHARGES FOR
COVID-19 UPDATED AT 24/09/2020

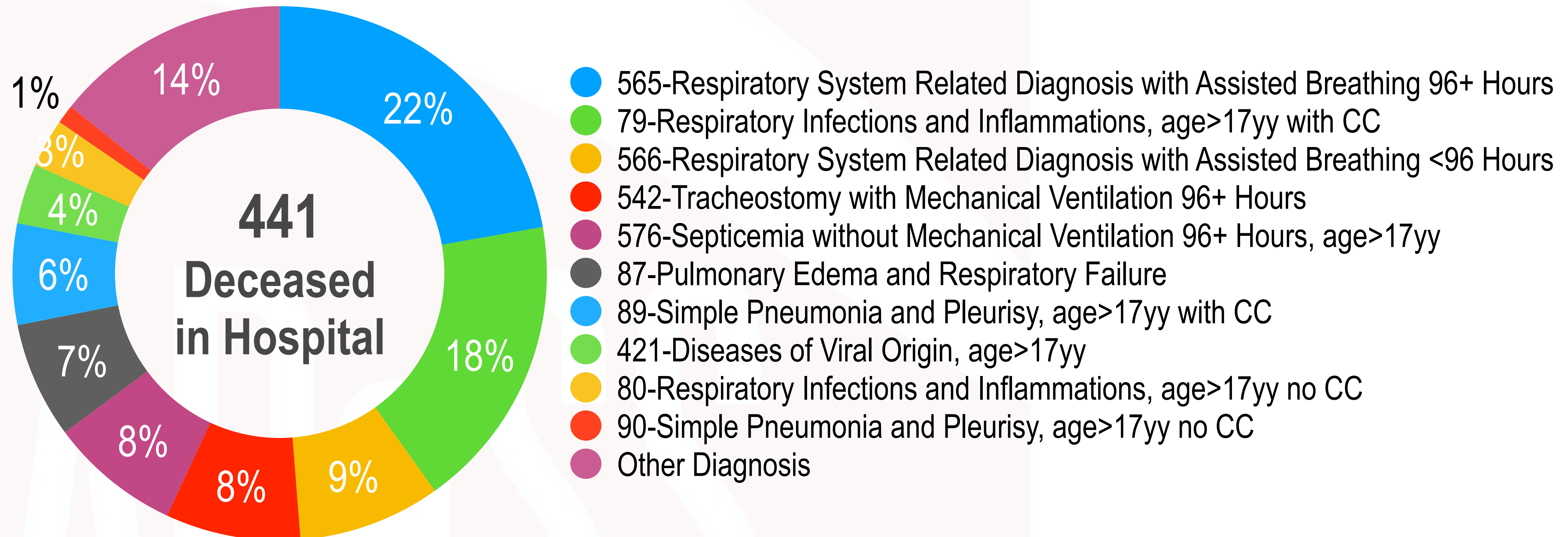
Diagnosis Related Groups



Estimating COVID Hospitalisation Costs

HOSPITAL DISCHARGES FOR
COVID-19 UPDATED AT 24/09/2020

Diagnosis Related Groups



Estimating COVID Hospitalisation Costs

COST A SINGLE EPISODE FOR DRG-565

Respiratory System Related Diagnosis winner Assisted Breathing 96+ Hours

ALIVE	WARD	ICU	LAB	IMAGING	OTHER UNITS	COMMON COSTS	TOTAL
Physicians	1.356,72	4.158,41	174,96	113,38	677,34	168,73	6.649,54
Nurses	1.686,15	4.002,13	21,67	21,16	204,66	214,17	6.149,93
Other Staff	310,83	437,54	284,78	71,93	245,58	875,31	2.225,97
Drugs	680,58	2.231,21	29,87	27,41	106,37	1.512,43	4.587,86
Devices	295,60	1.432,50	532,90	45,43	272,13	0,00	2.578,55
Other Materials	813,27	965,82	168,14	94,75	194,66	0,00	2.236,64
TOTAL	5.143,15	13.227,62	1.212,31	374,04	1.700,73	2.770,64	24.428,50

Estimating COVID Hospitalisation Costs

COST A SINGLE EPISODE FOR DRG-565

Respiratory System Related Diagnosis winner Assisted Breathing 96+ Hours

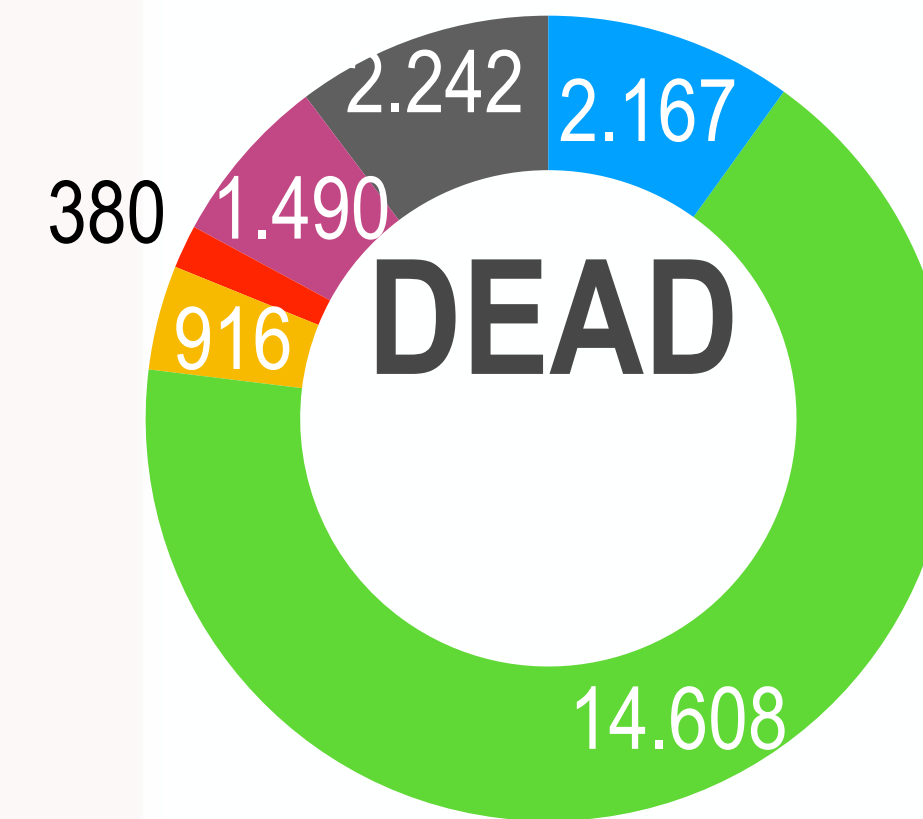
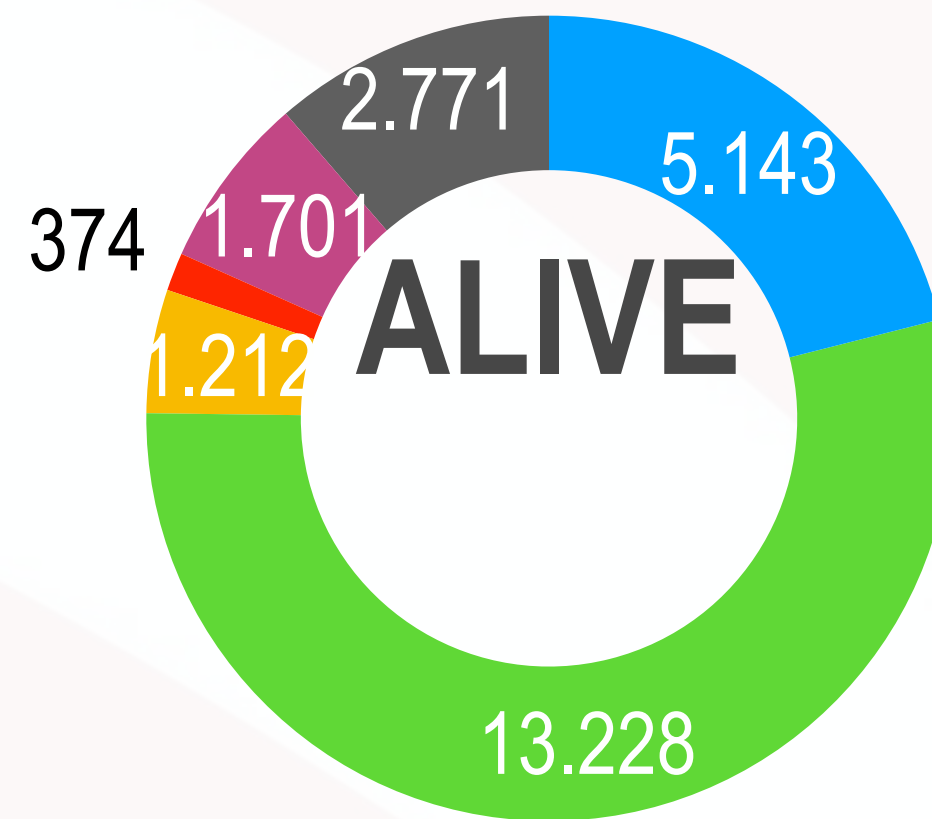
DEAD	WARD	ICU	LAB	IMAGING	OTHER UNITS	COMMON COSTS	TOTAL
Physicians	558,62	4.410,55	137,27	125,89	615,29	183,30	6.030,93
Nurses	662,91	4.492,22	18,48	22,31	185,44	163,91	5.545,27
Other Staff	128,07	483,82	221,37	79,07	223,83	724,07	1.860,22
Drugs	303,98	2.664,63	25,84	25,62	103,83	1.171,19	4.295,09
Devices	131,25	1.501,55	404,86	39,72	208,65	0,00	2.286,02
Other Materials	382,38	1.055,19	108,24	87,24	152,99	0,00	1.786,04
TOTAL	2.167,22	14.607,95	916,06	379,85	1.490,02	2.242,47	21.803,58

Estimating COVID Hospitalisation Costs

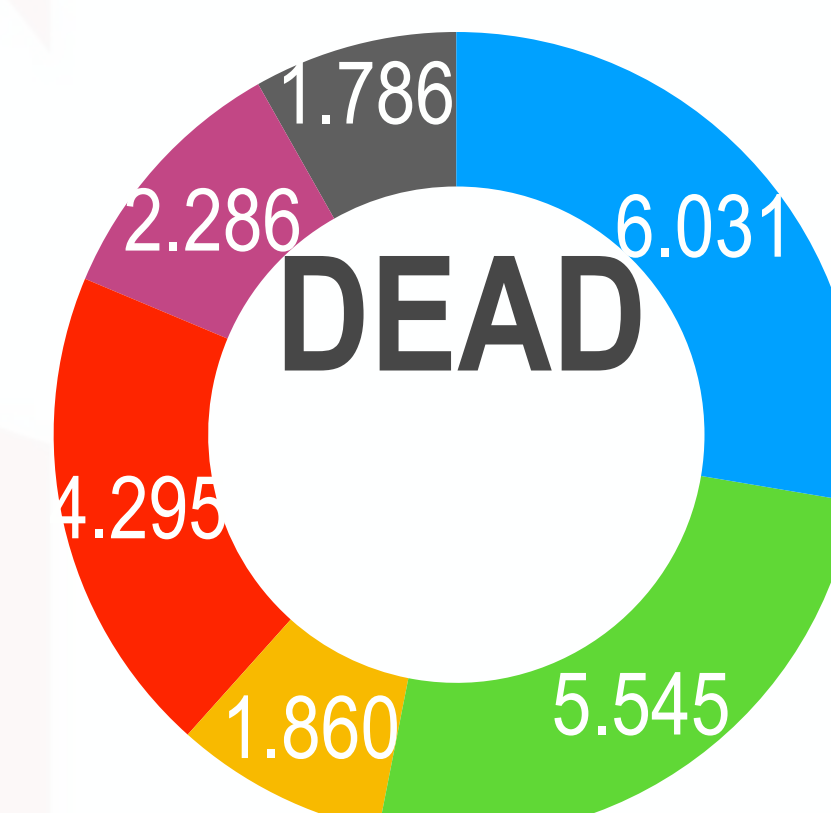
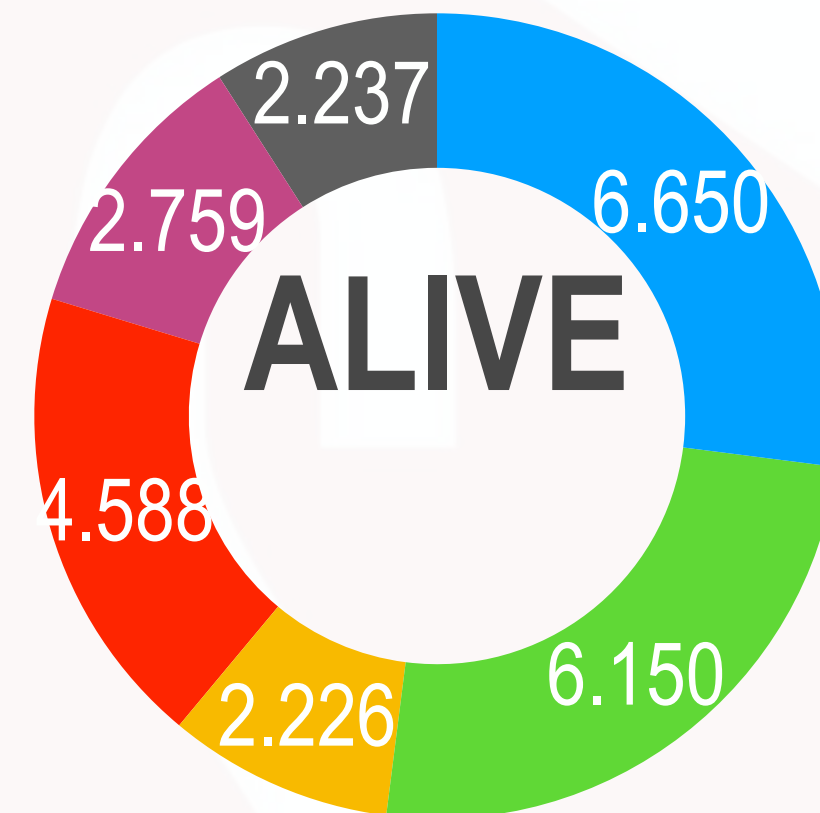
COST A SINGLE EPISODE FOR DRG-565

Respiratory System Related Diagnosis winner Assisted Breathing 96+ Hours

- WARD
- ICU
- LAB
- IMAGING
- OTHER UNITS
- COMMON COSTS



- Physician
- Nurse
- Other Staff
- Drugs
- Devices
- Other Materials



Thanks

ADDRESS