

19
07
CT

IT IS

21
07
JHB

19
07
CT

TIME TO

21
07
JHB

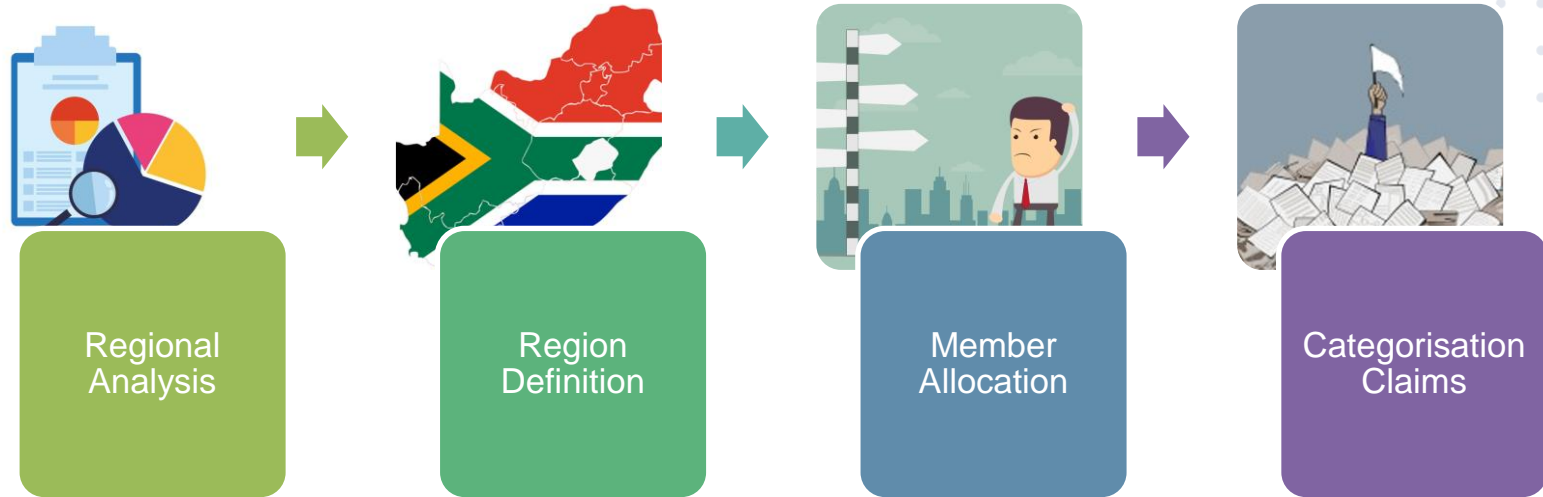
19
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07
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Regional Variation in Healthcare Spend

Regional Definitions



Regional Definitions

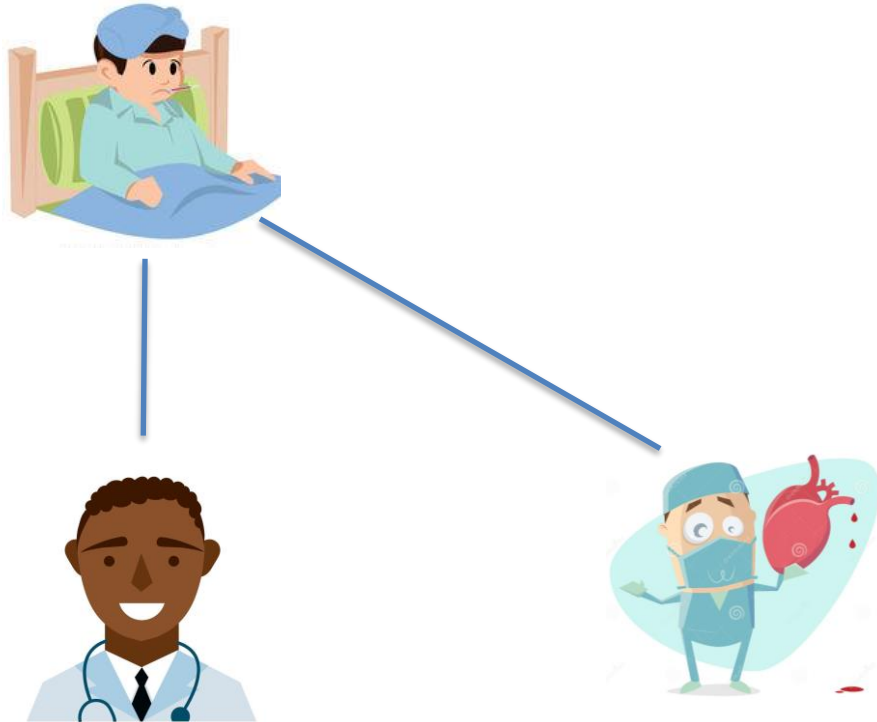
Defining Primary, Secondary and Tertiary Regions



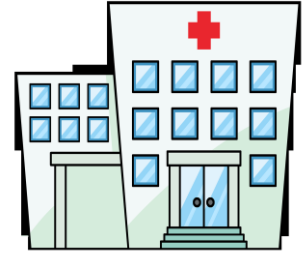
Accessing Primary Healthcare



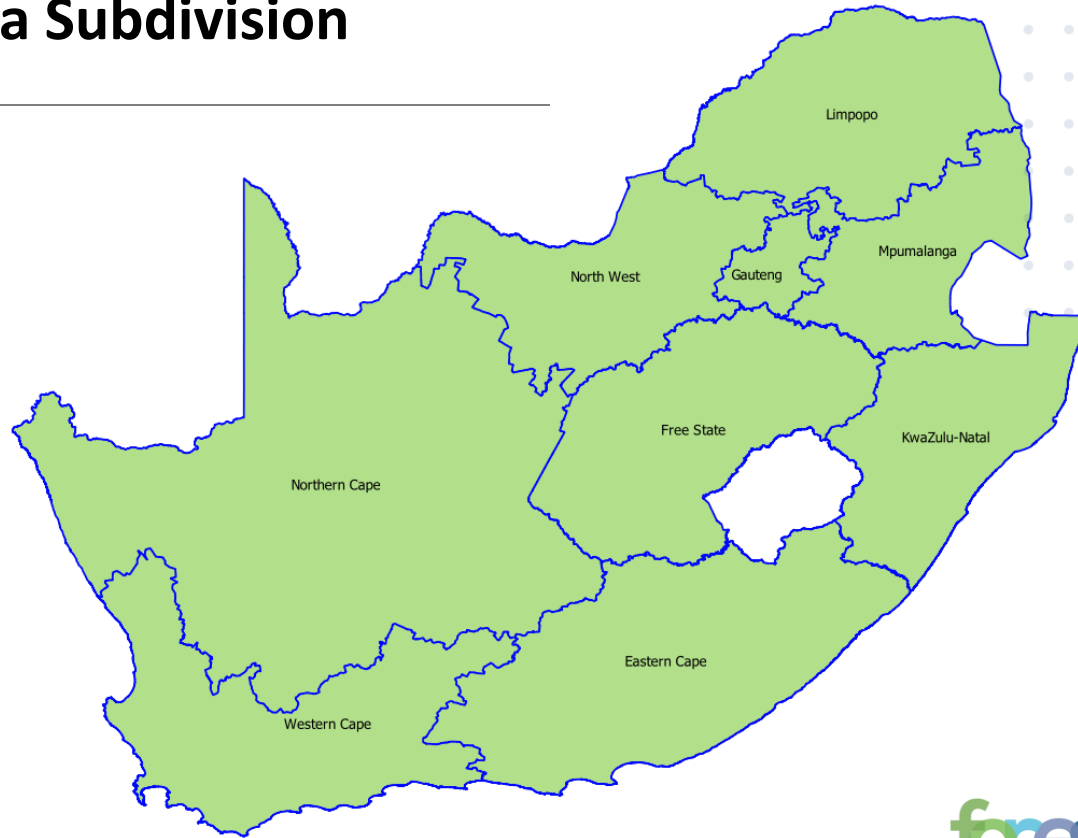
Accessing Primary Healthcare



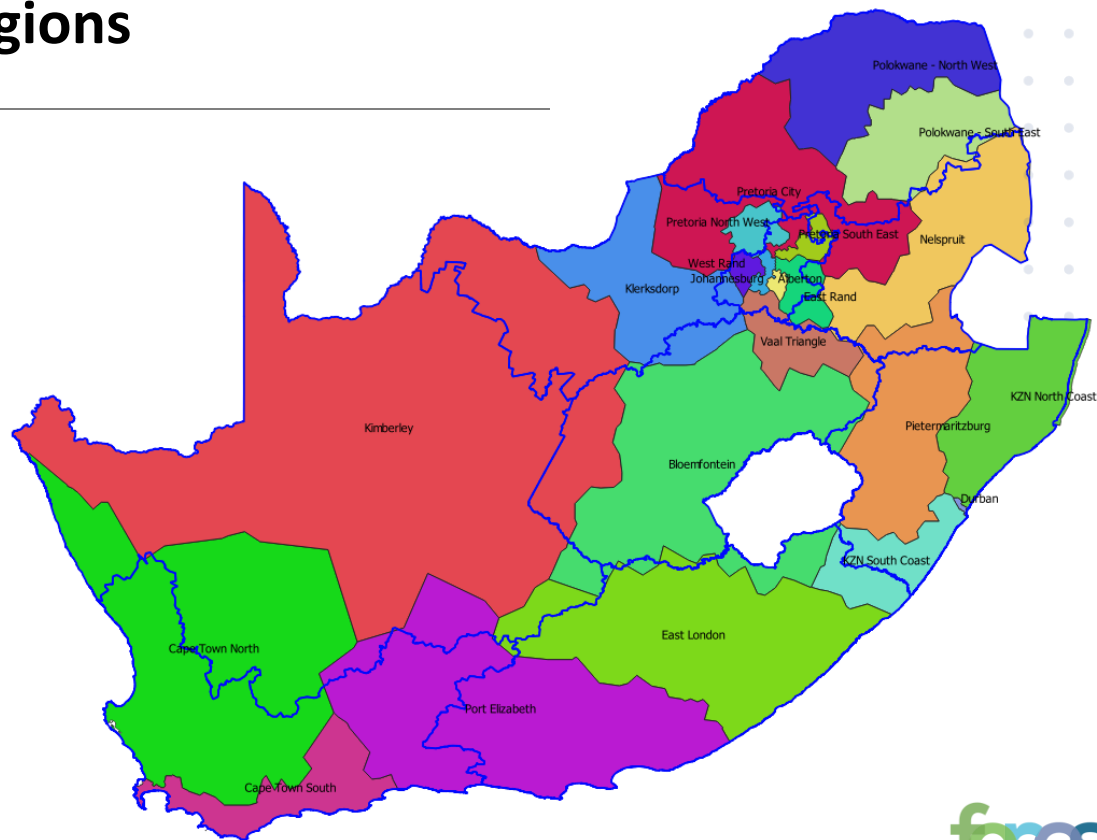
Accessing Primary Healthcare



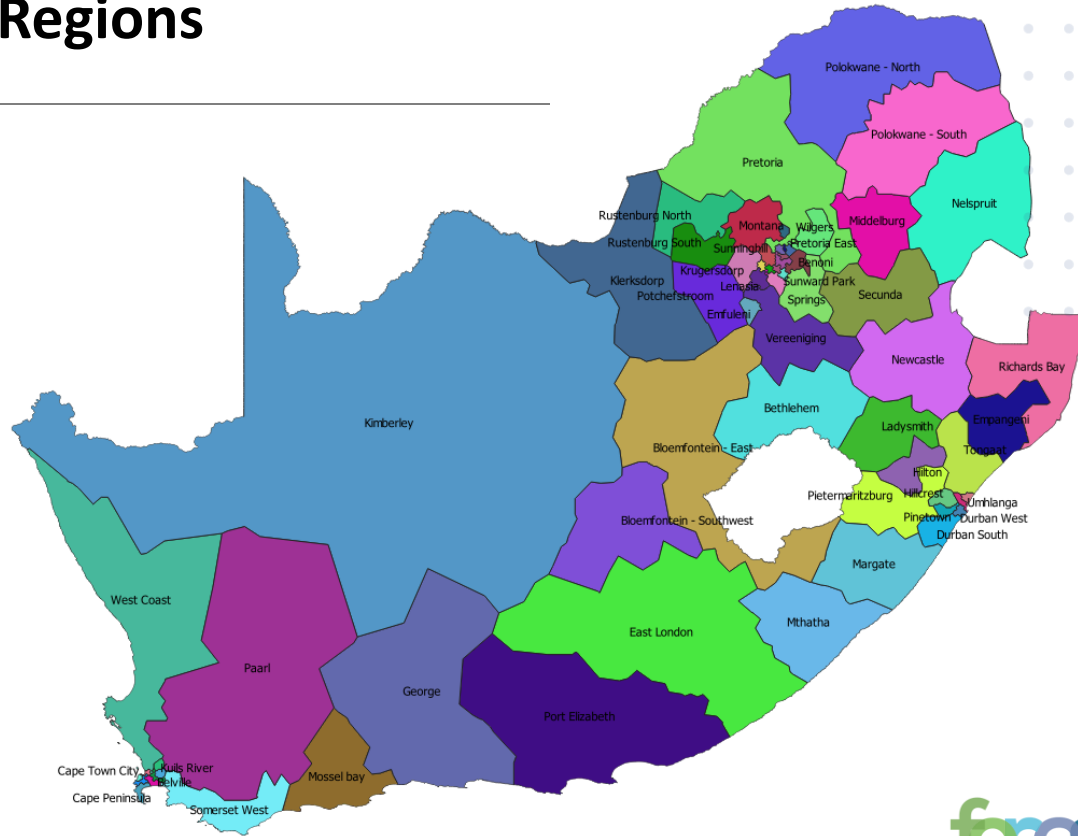
South Africa Subdivision



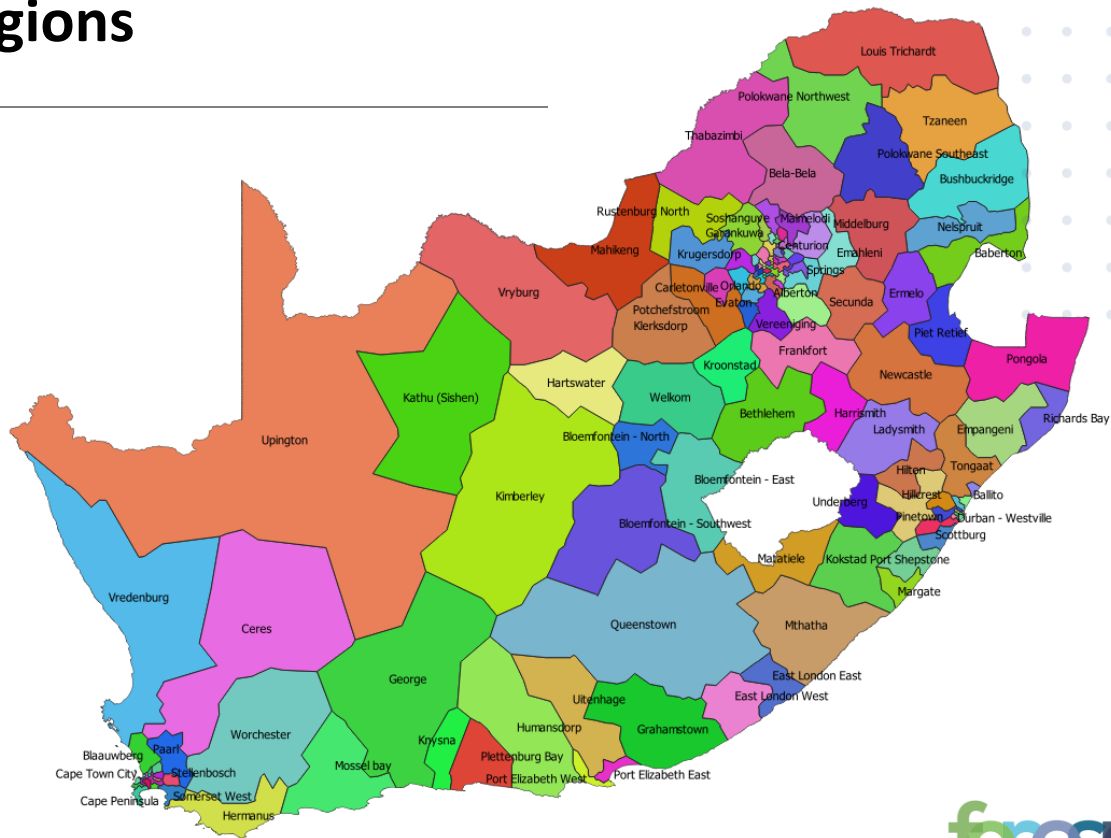
Tertiary Regions



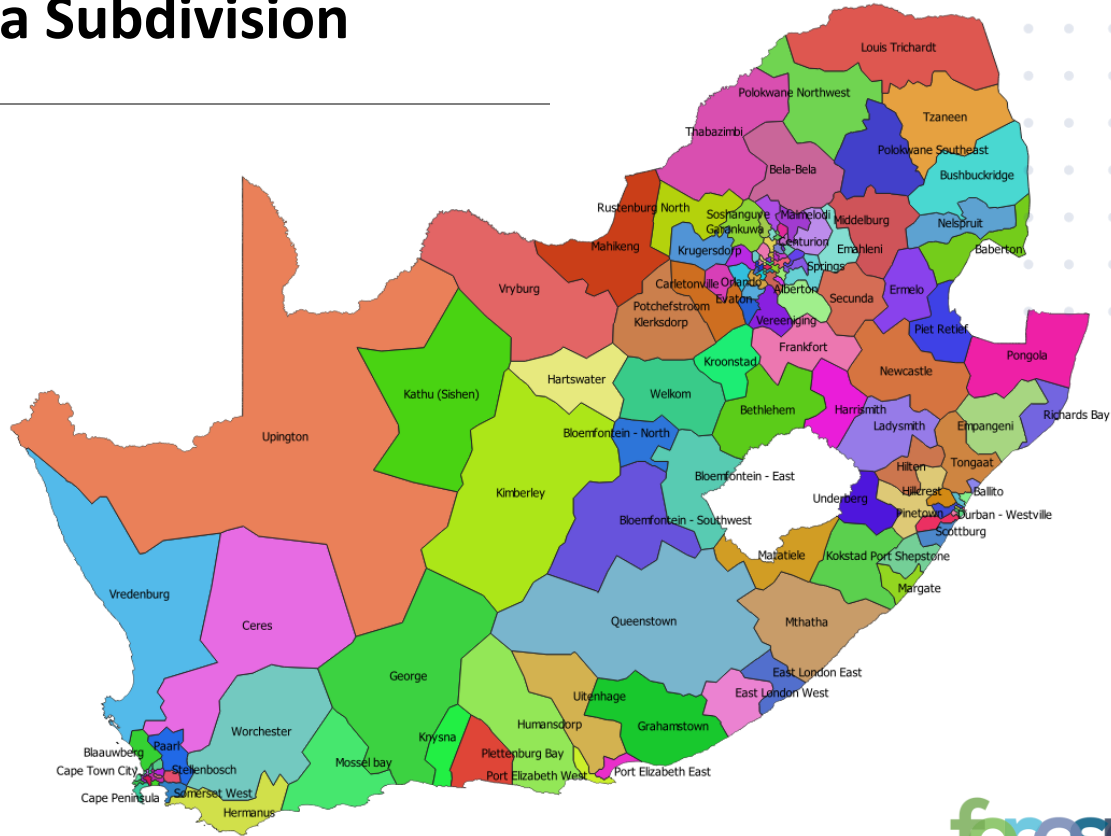
Secondary Regions



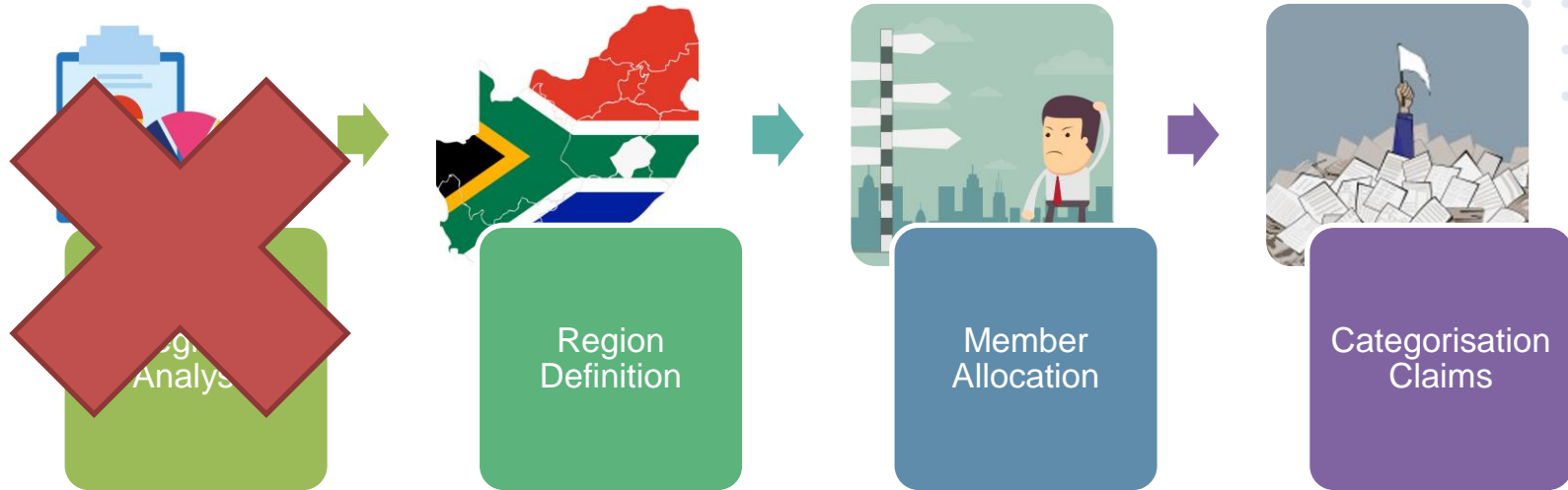
Primary Regions



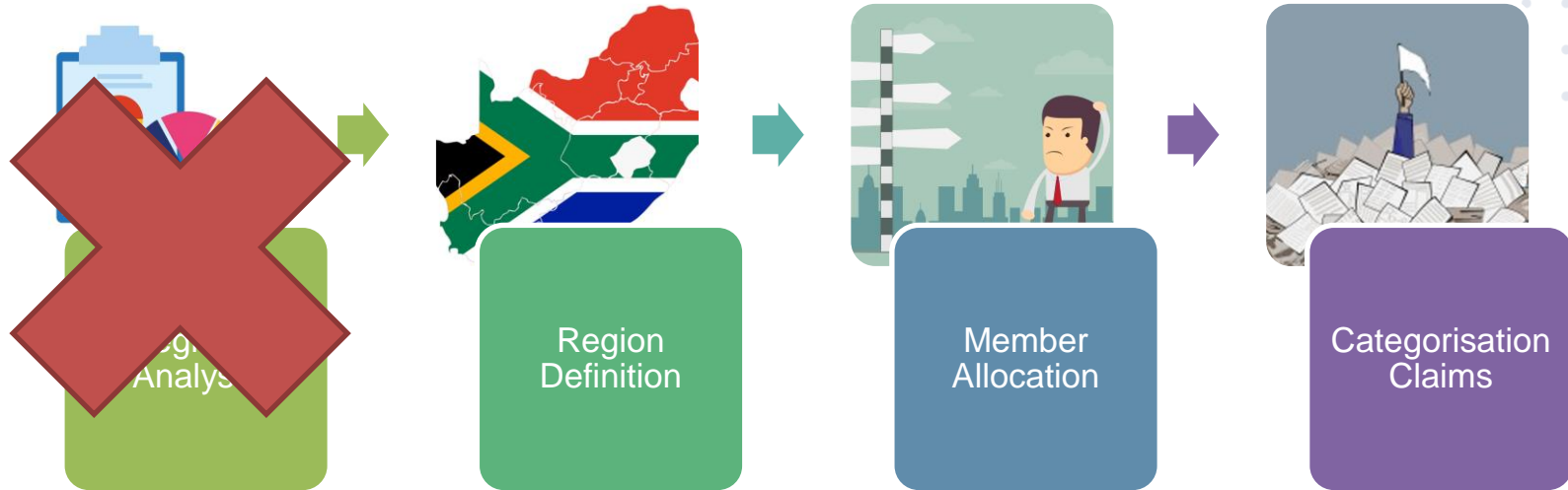
South Africa Subdivision



Regional Definitions

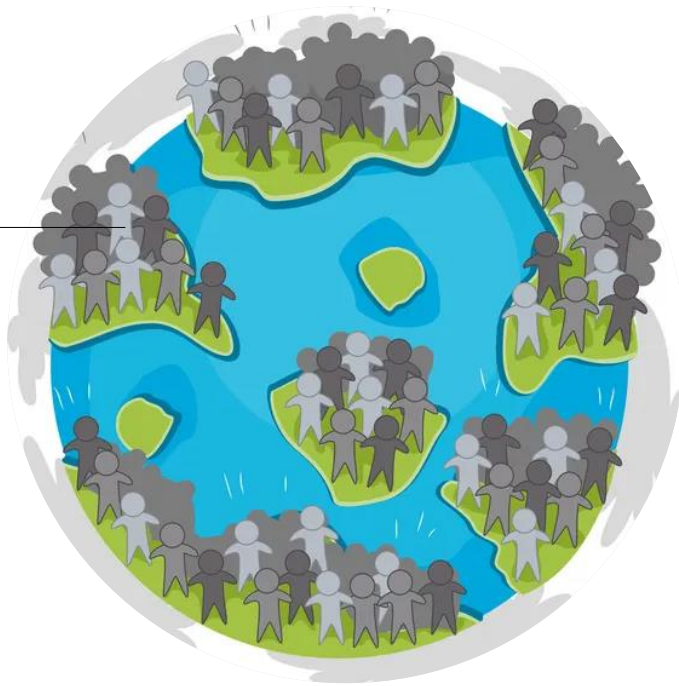


Regional Definitions

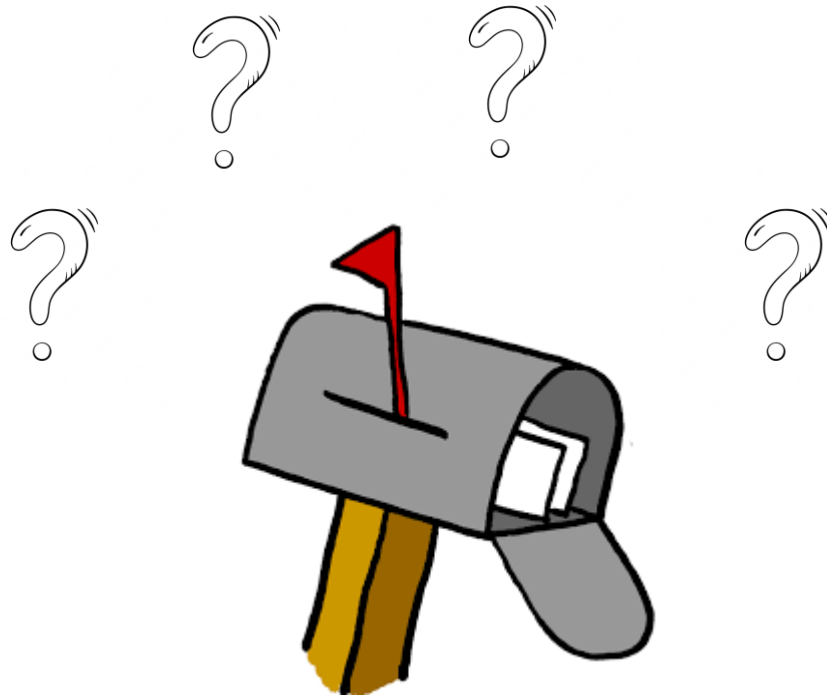


Allocation Members

Allocation Members to Primary, Secondary and Tertiary Regions



Member Mapping



Member Mapping

Medical scheme
addresses are often
provided at the
principal member
level



Member Mapping

Medical scheme
addresses not
always reliable...

Medical scheme
addresses are often
provided at the
principal member
level



Member Mapping

Medical scheme
addresses not
always reliable...

Nor up to date...

Medical scheme
addresses are often
provided at the
principal member
level



Member Mapping

Medical scheme
addresses not
always reliable...

Nor up to date...

Medical scheme
addresses are often
provided at the
principal member
level

Postal codes
sometimes cover
large geographical
areas.



Member Mapping

Primary Healthcare Services include:



Member Mapping

Primary Healthcare Services include:

(31.005278; -29.701536)

(31.019595; -29.856581)



(31.025694; -29.676516)

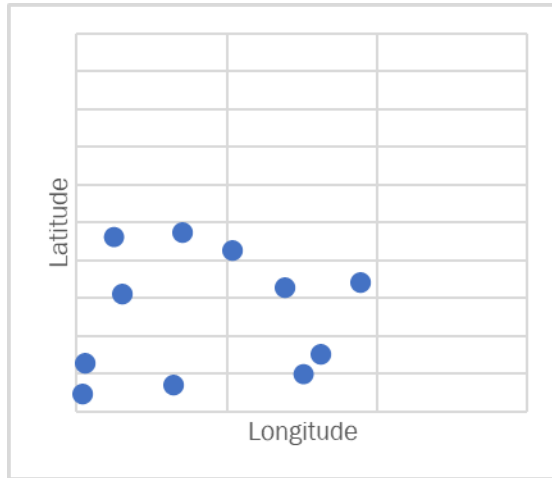


(31.013008; -29.697979)



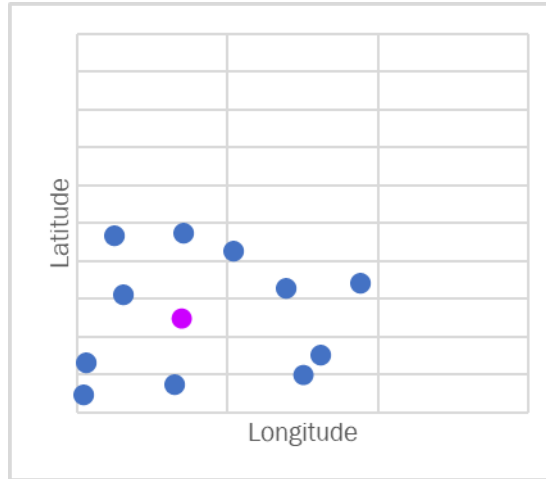
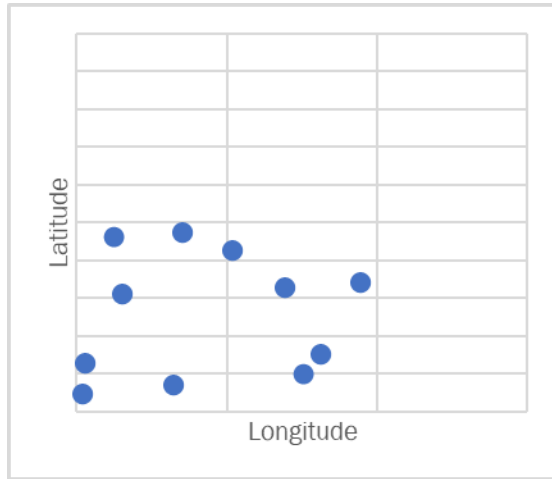
Member Mapping

The result would be a set of GPS co-ordinates based on the claims data ...



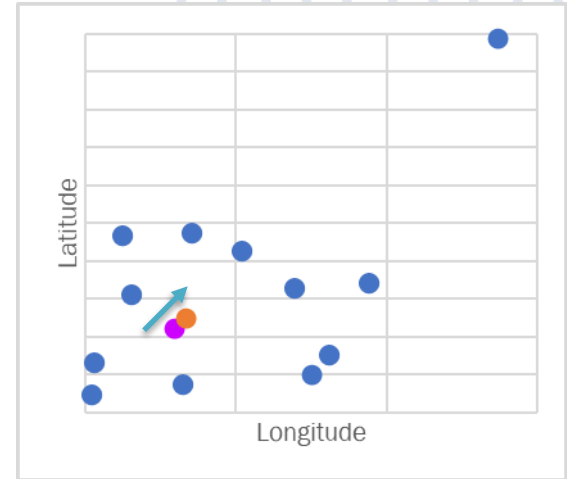
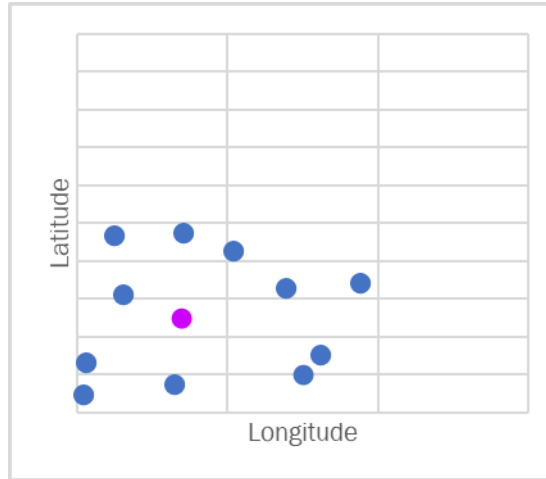
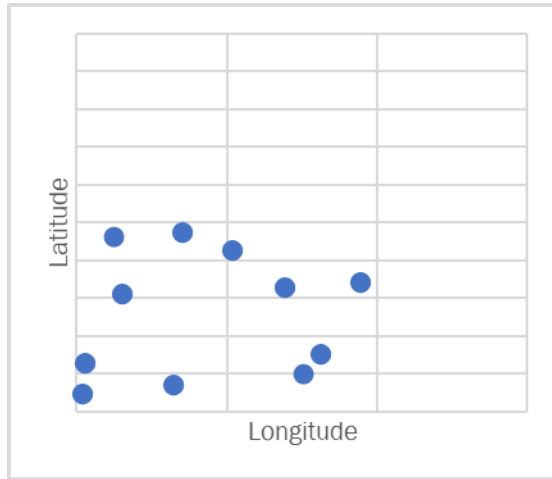
Member Mapping

... from which we can obtain the geometric mean ...

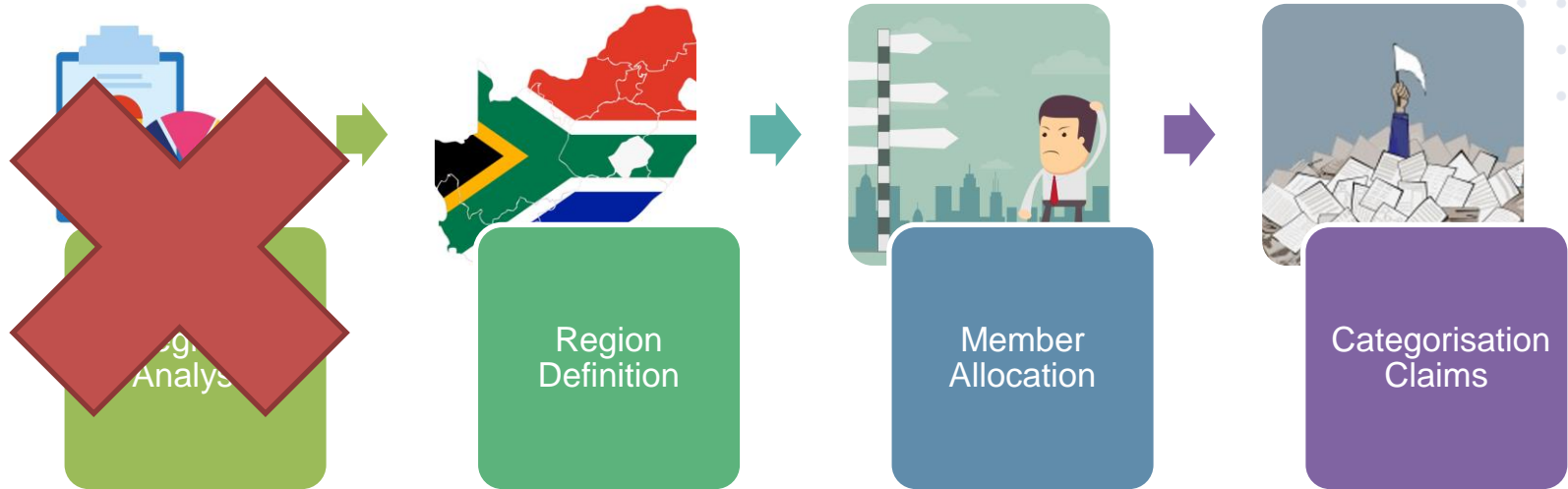


Member Mapping

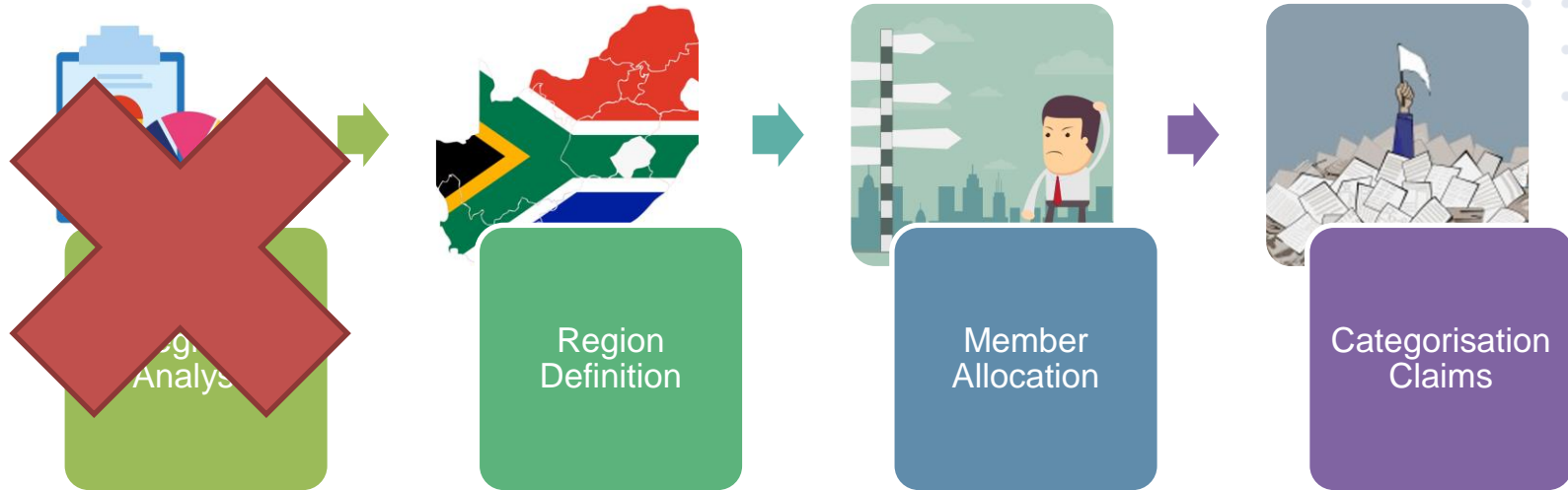
... which isn't significantly skewed by the inclusion of outlier claims ..



Regional Definitions



Regional Definitions

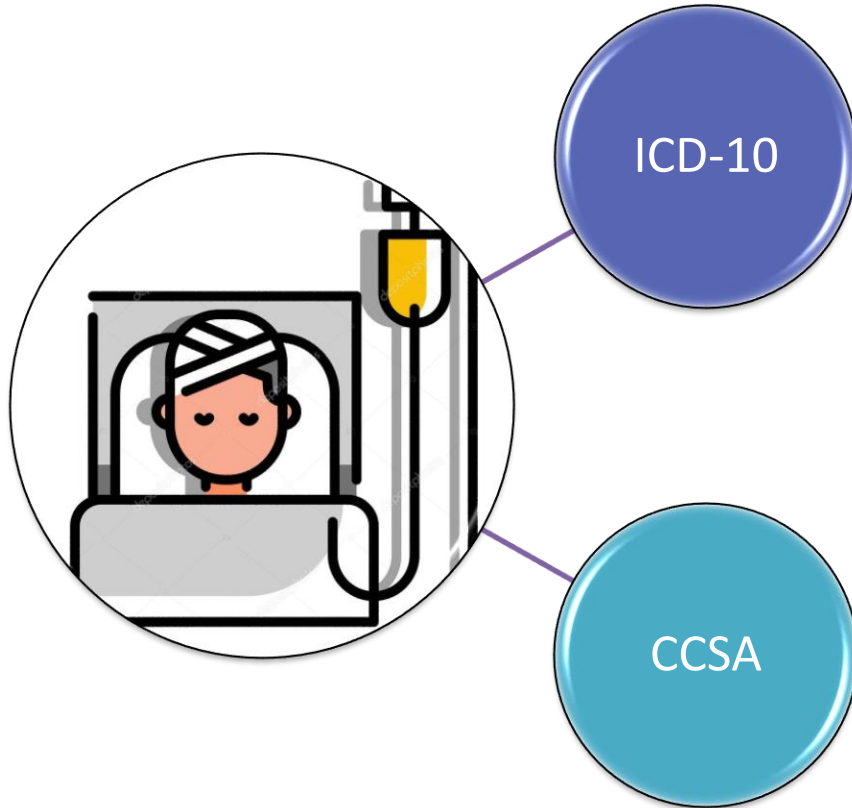


Diagnosis Related Grouper

Grouping Hospital Admissions



Diagnosis Related Grouper



- S82.80**

- Fracture of lower leg, including ankle

- W41.7**

- Exposure to high-pressure jet, farm

- R46.1**

- Bizarre personal appearance

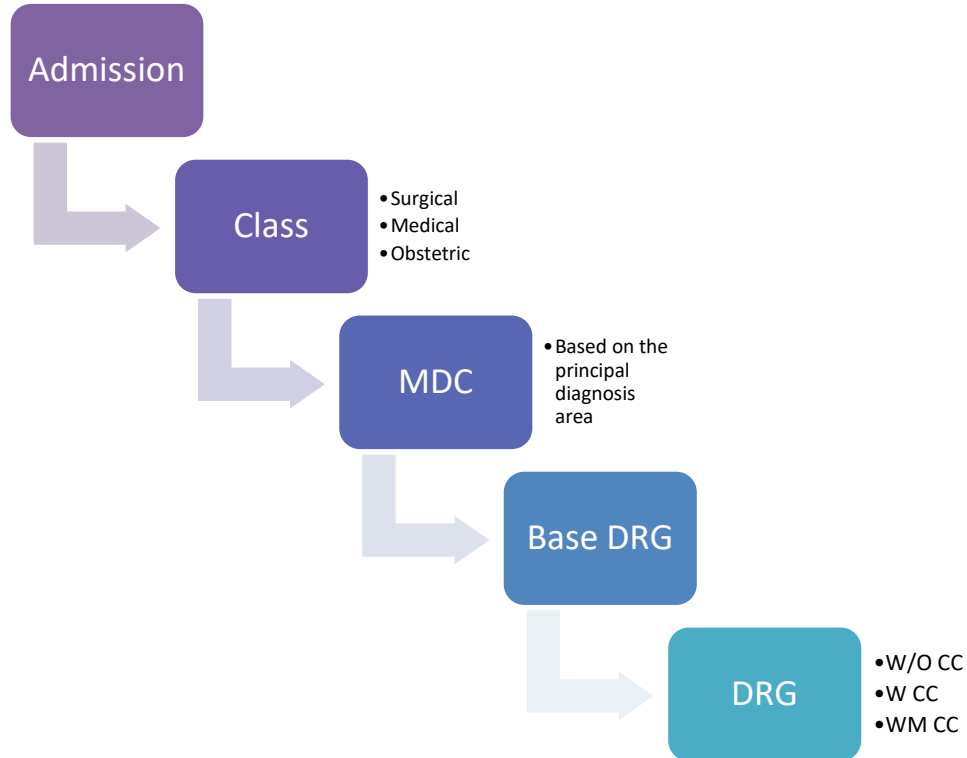
- Z63.1**

- Problems in relationship with in-laws.

- 27814: Treatment of Ankle Fracture

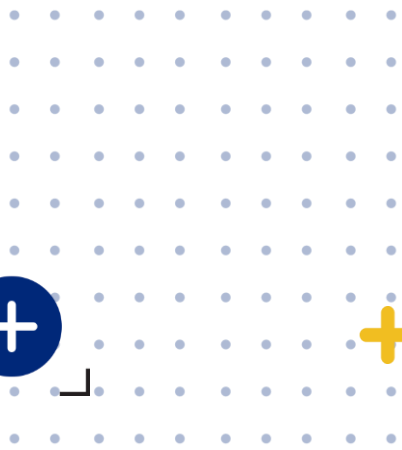
- 27405: Repair of Knee Ligament

Diagnosis Related Grouper



Episode Grouper (EPG)

Grouping Episodes of Care



Episode Grouper

The episode grouper groups encounters with healthcare providers, as captured by claims to the medical scheme, into coherent episodes of care.

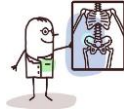


Episode Grouper

Pharmacy



Radiology



Hospital



GP



Pathology



Physiotherapist



foresight
dialogues 2022

↑ SH...FT FOCUS.

Episode Grouper

Pharmacy



Radiology



Hospital



GP



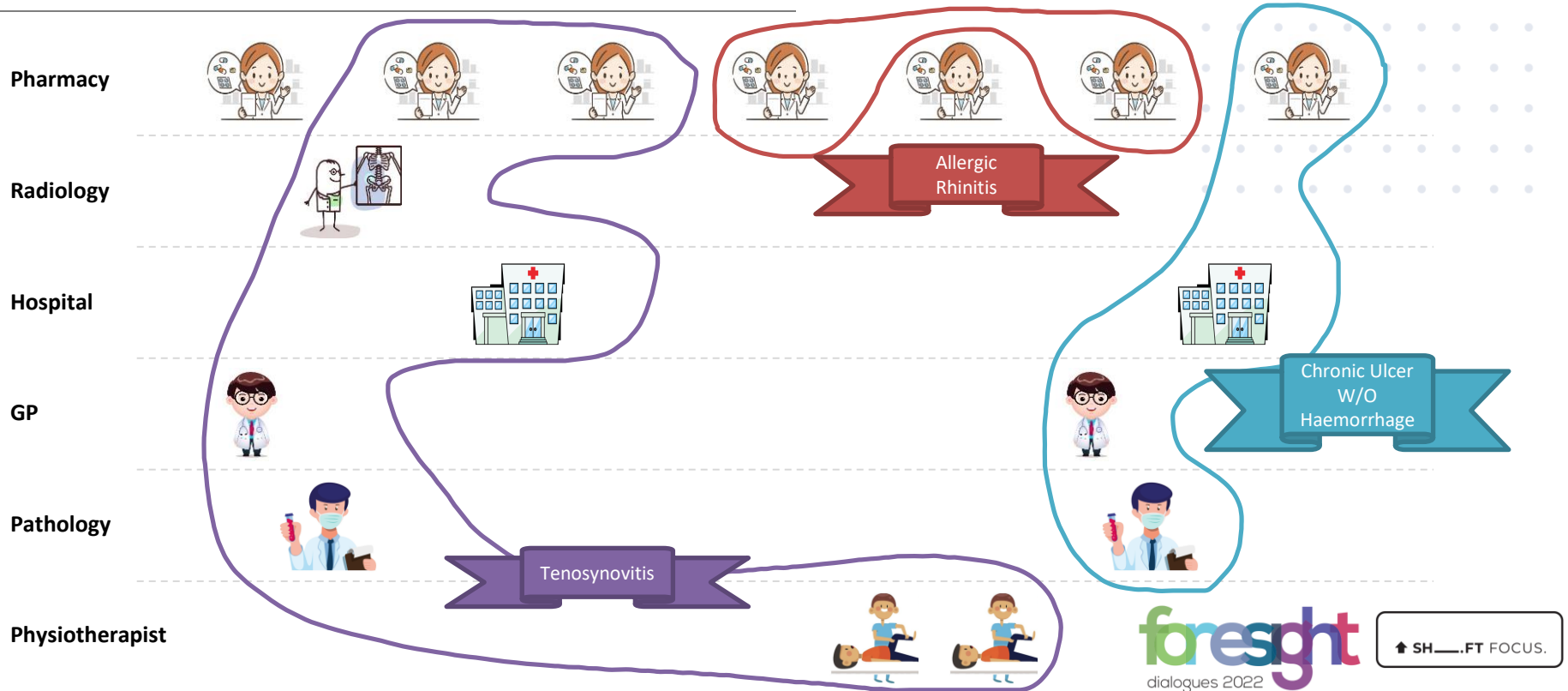
Pathology



Physiotherapist

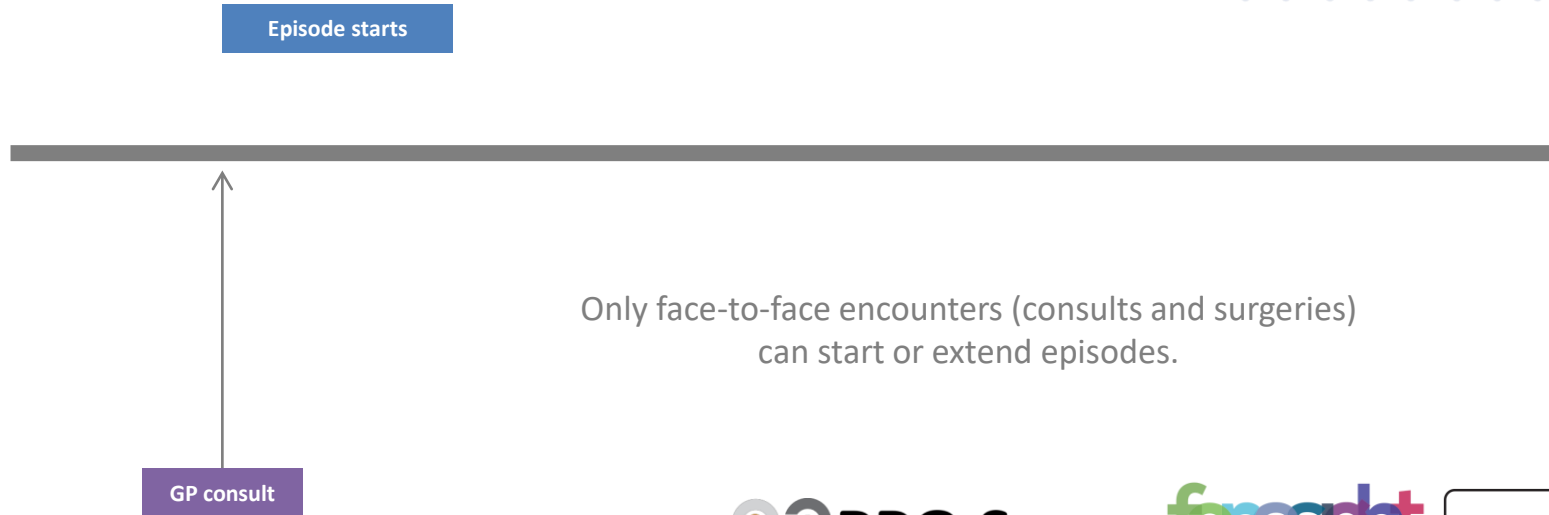


Episode Grouper



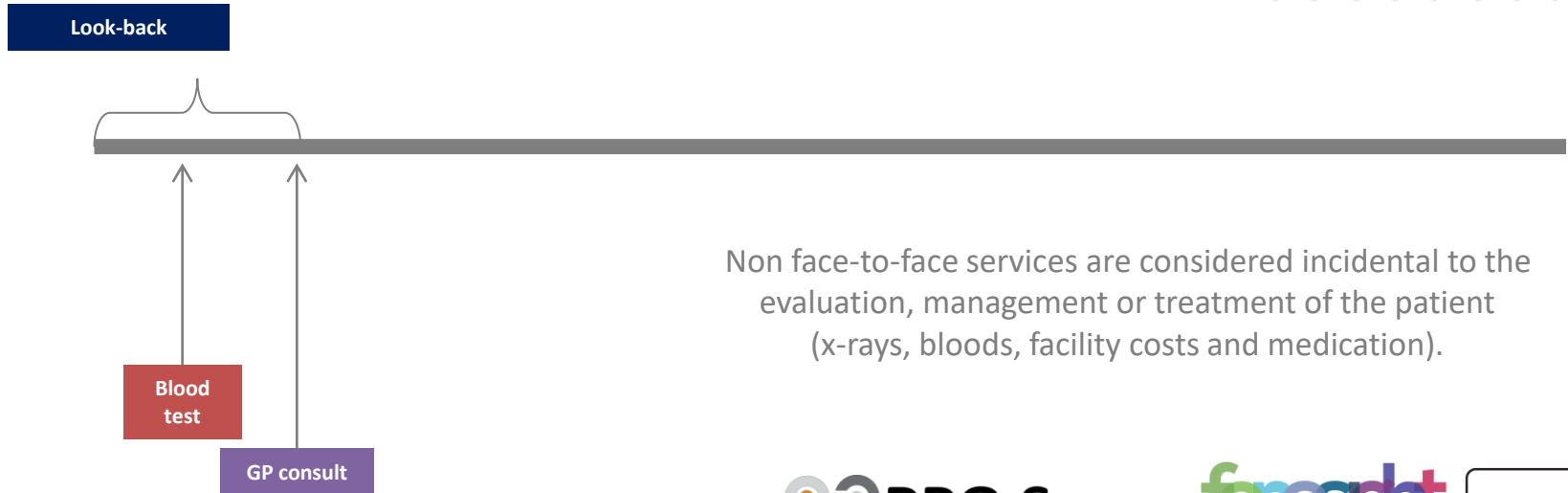
Episode Grouper

Constructing a Single Episode



Episode Grouper

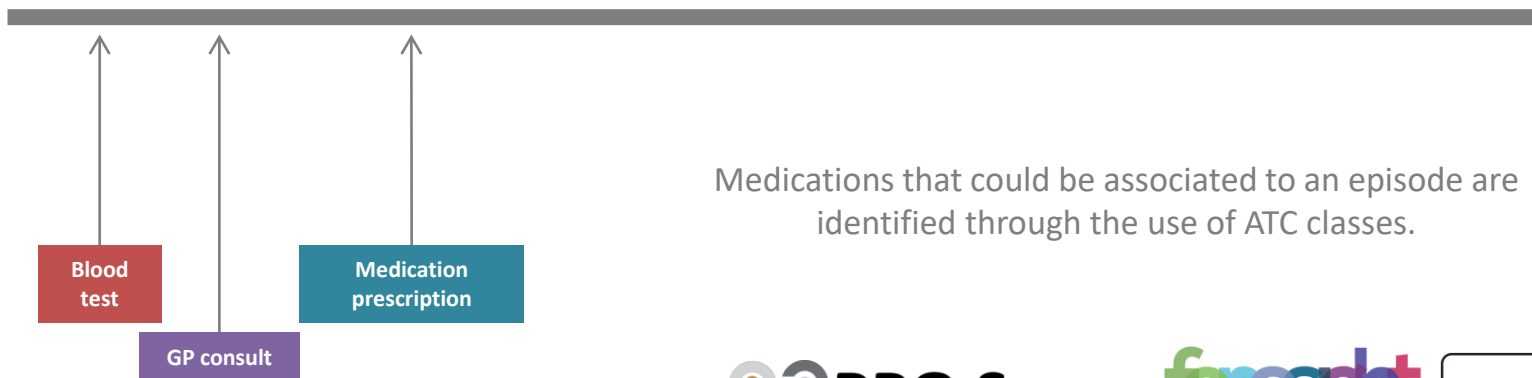
Constructing a Single Episode



Non face-to-face services are considered incidental to the evaluation, management or treatment of the patient (x-rays, bloods, facility costs and medication).

Episode Grouper

Constructing a Single Episode



Medications that could be associated to an episode are identified through the use of ATC classes.



PPO Serve
Integrated Clinical Consortia™

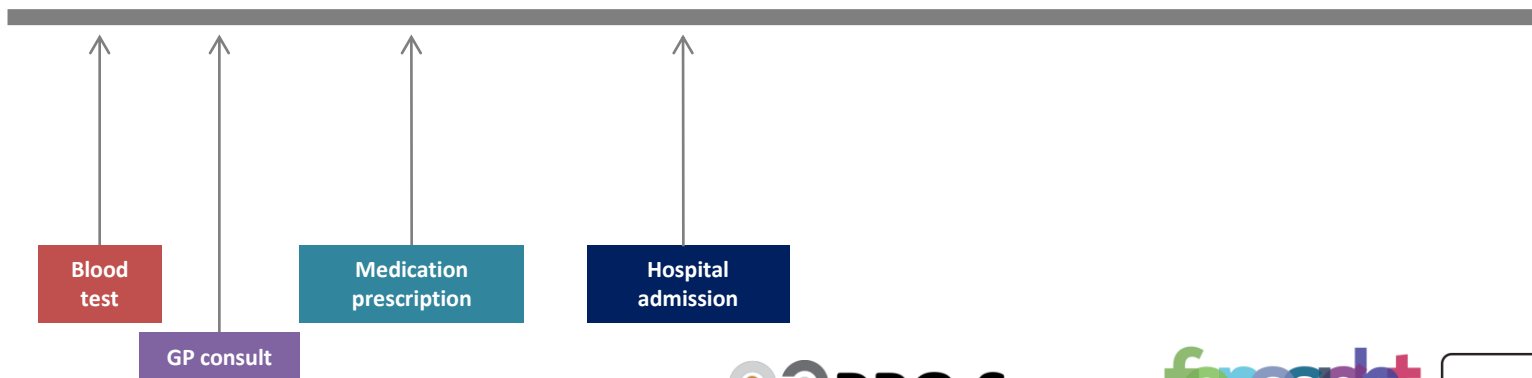
foresight
dialogues 2022

↑ SH...FT FOCUS.

Episode Grouper

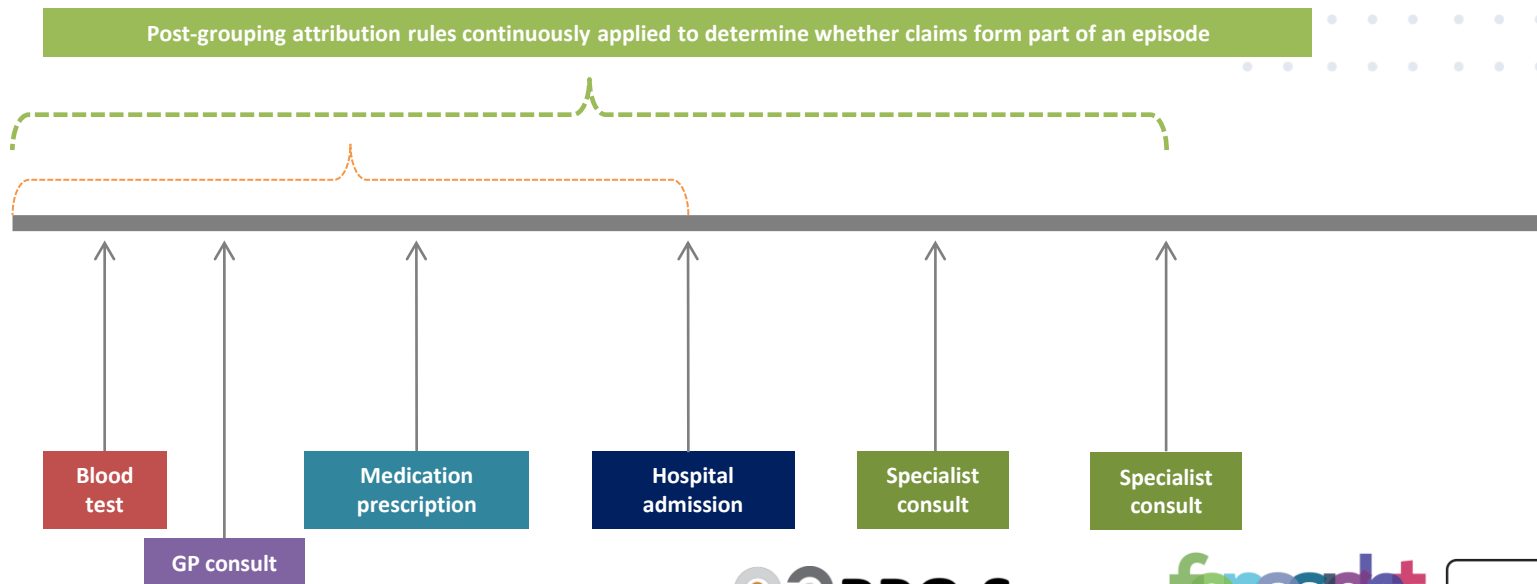
Constructing a Single Episode

Hospital related claims are also considered, if they can be linked to an open episode.



Episode Grouper

Constructing a Single Episode



PPO Serve
Integrated Clinical Consortia™

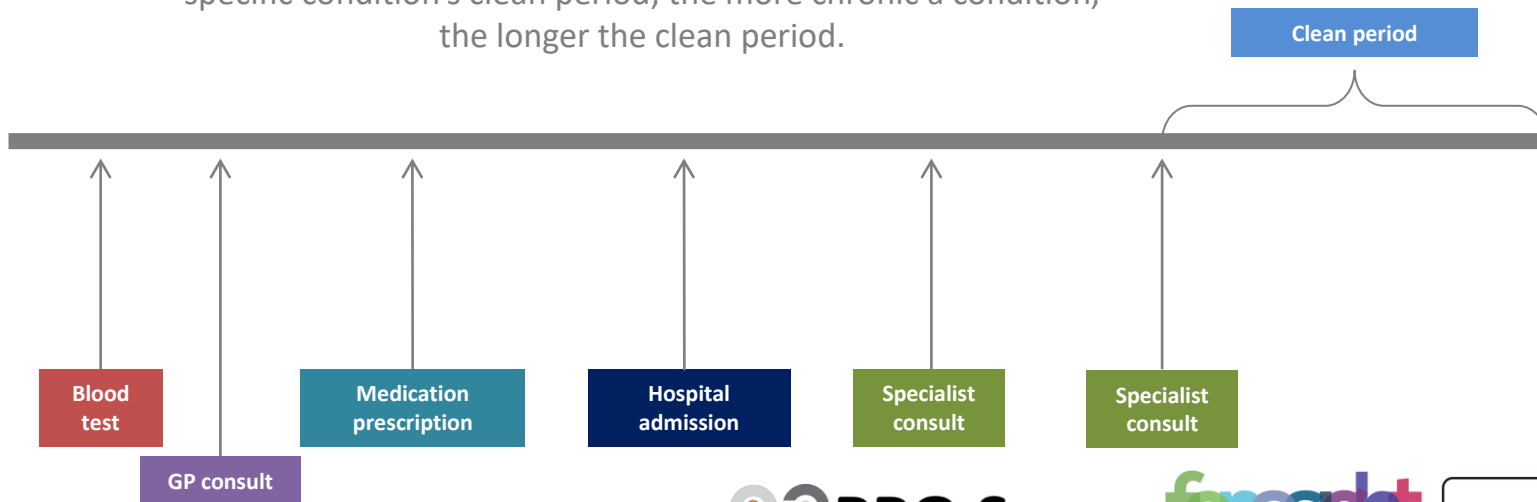
foresight
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↑ SH...FT FOCUS.

Episode Grouper

Constructing a Single Episode

An episode is complete in the absence of new claims for the specific condition's clean period; the more chronic a condition, the longer the clean period.



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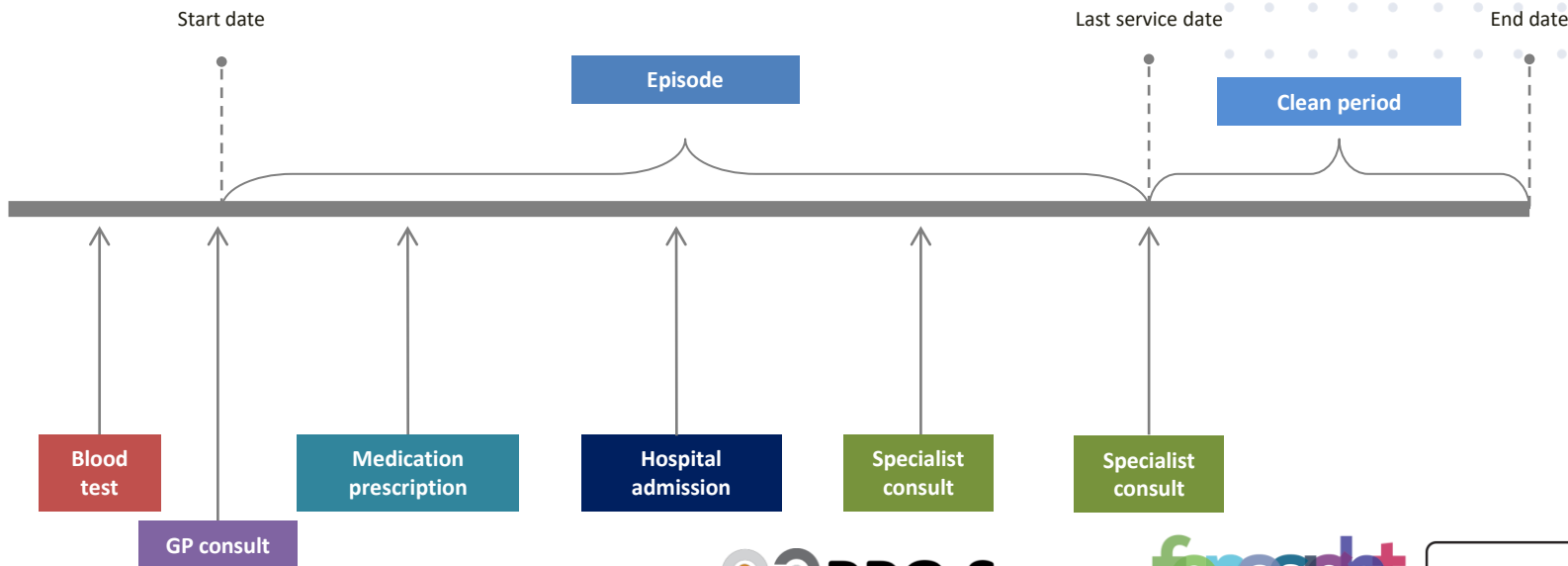
foresight
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↑ SH...FT FOCUS.

Episode Grouper

Multiple claim lines are linked to a single episode. Asynchronous information summarised into a single health event. Clinical complexity retained.

Constructing a Single Episode

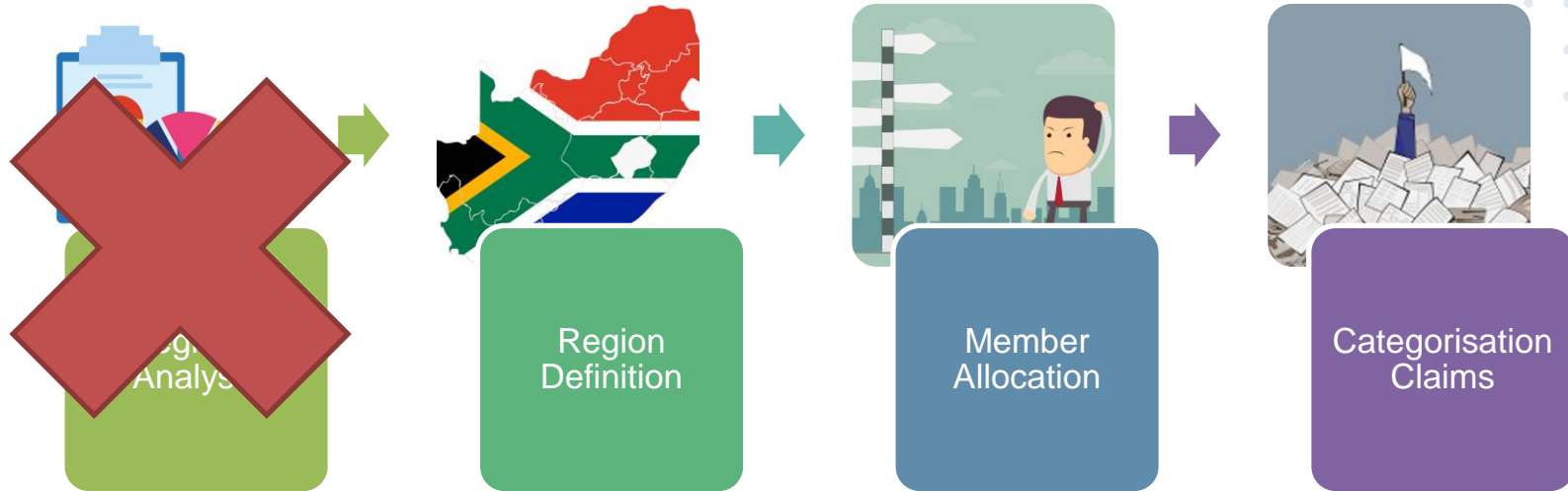


PPO Serve
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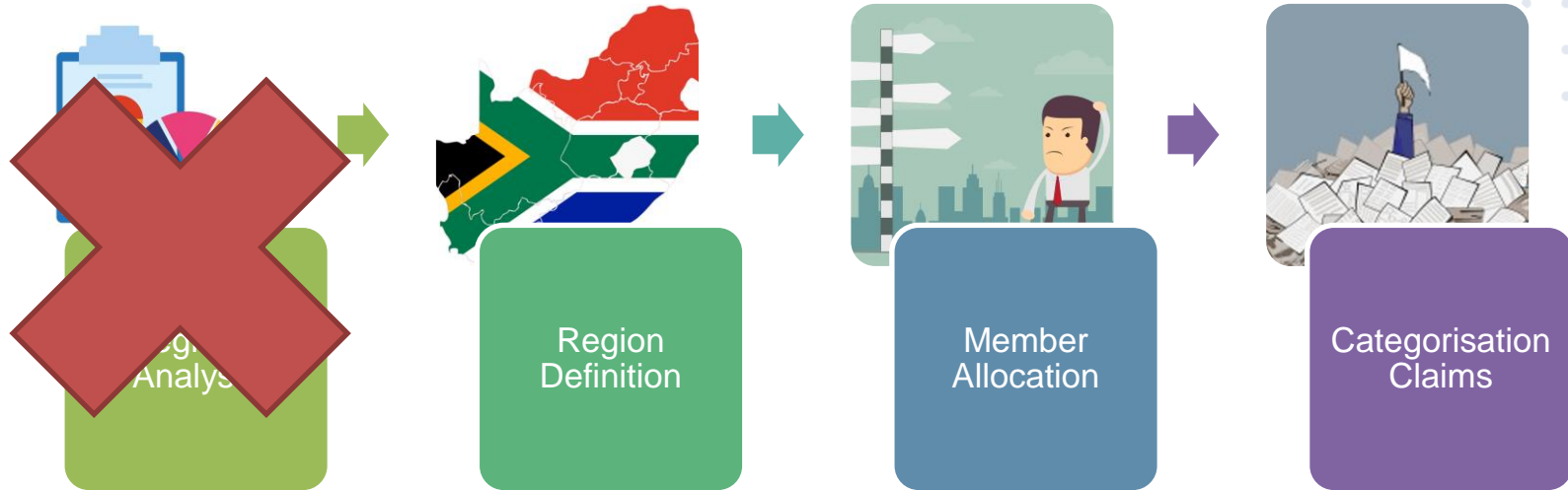
foresight
dialogues 2022

↑ SH...FT FOCUS.

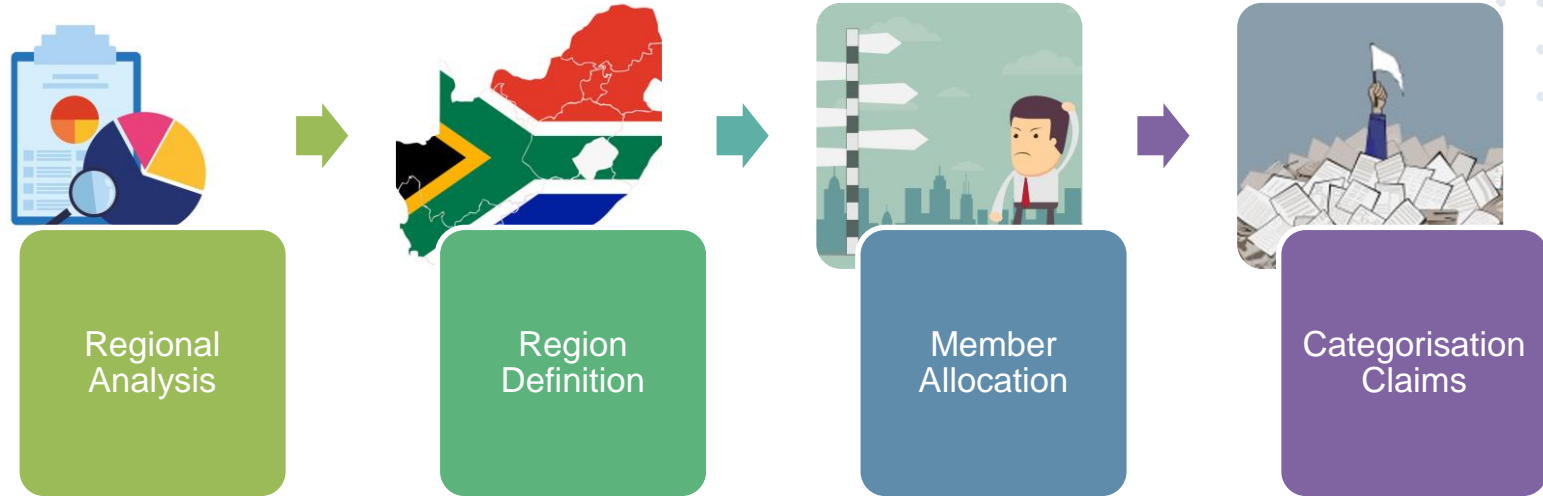
Regional Definitions



Regional Definitions



Regional Definitions



Regional Variation

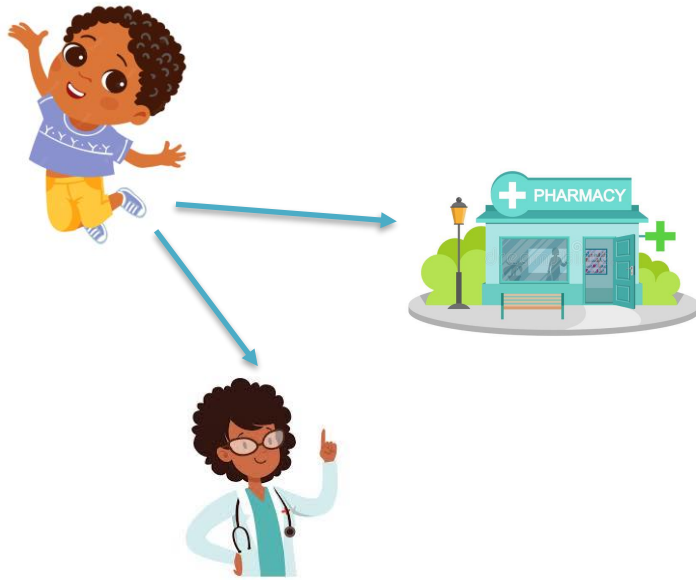
Real World Example - Tonsillectomies



Tonsillectomies – Patient T



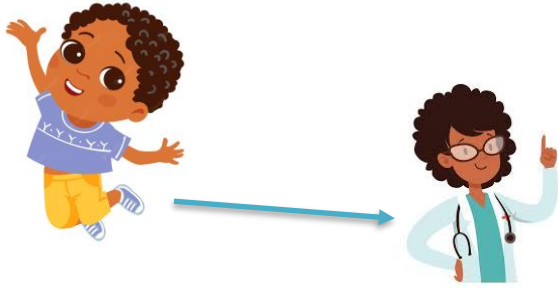
Tonsillectomies – Patient T



Tonsillectomies – Patient T



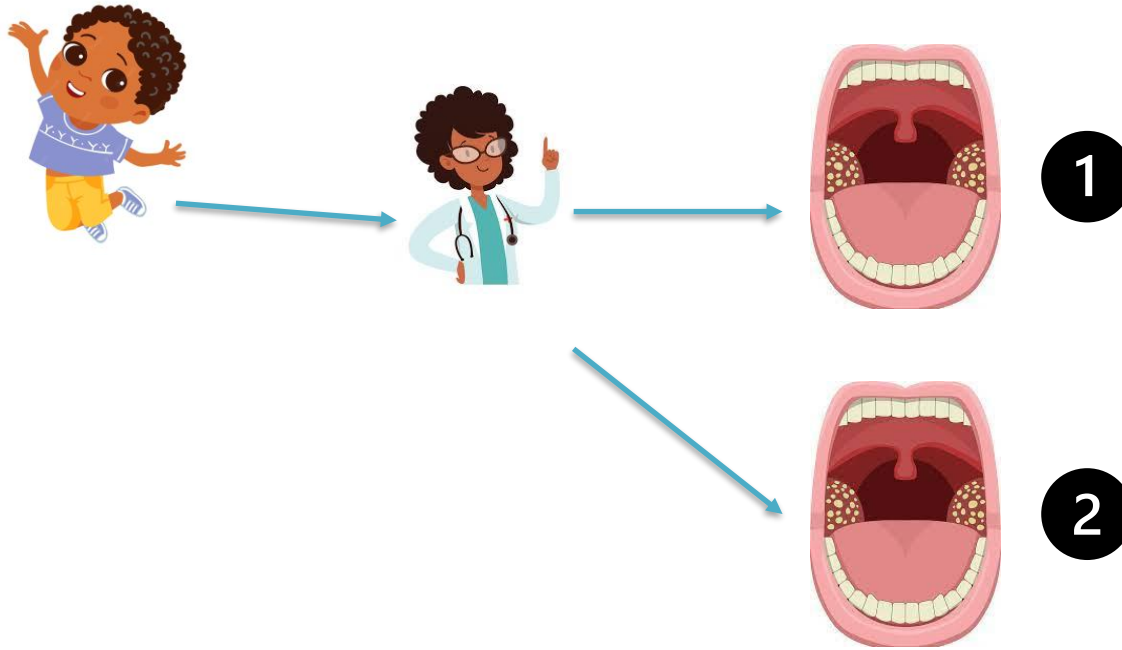
Tonsillectomies – Patient T



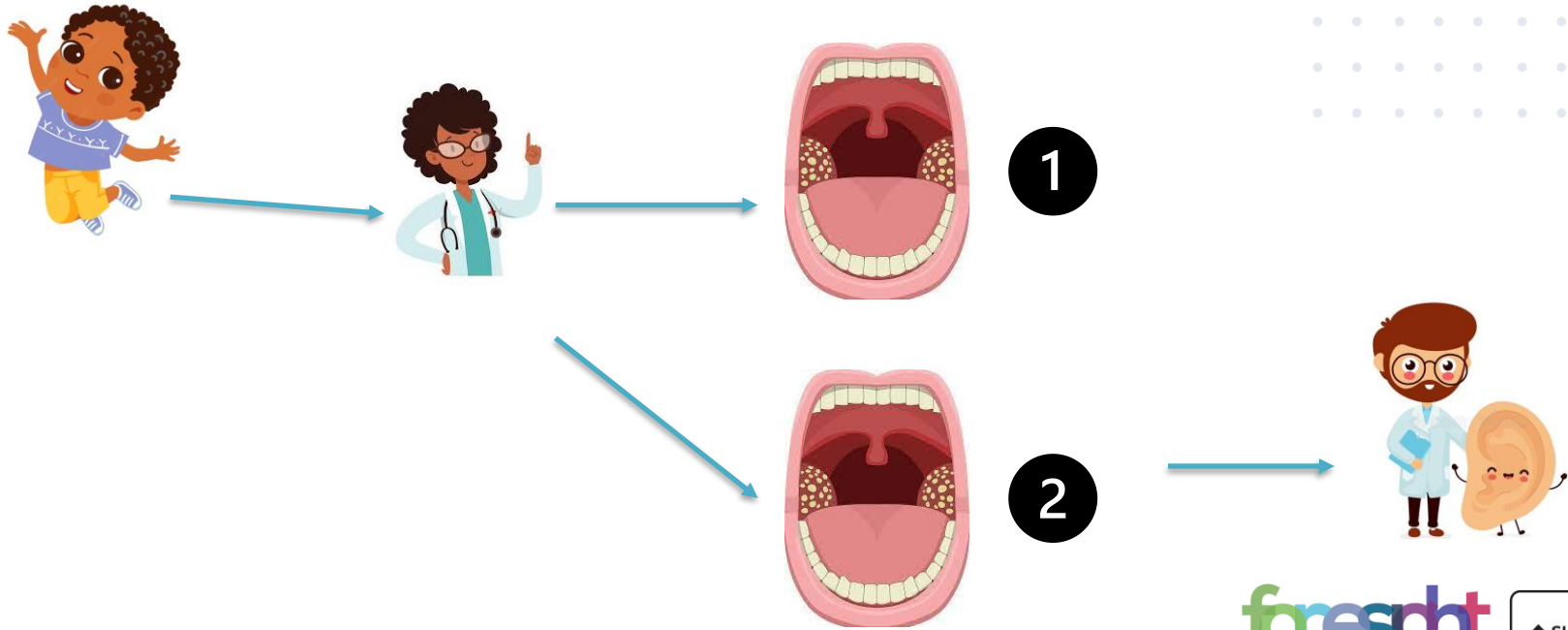
Tonsillectomies – Patient T



Tonsillectomies – Patient T



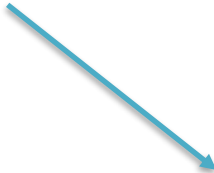
Tonsillectomies – Patient T



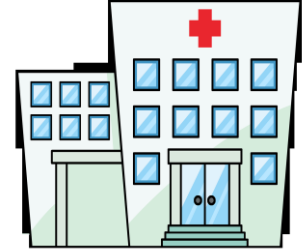
Tonsillectomies – Patient T



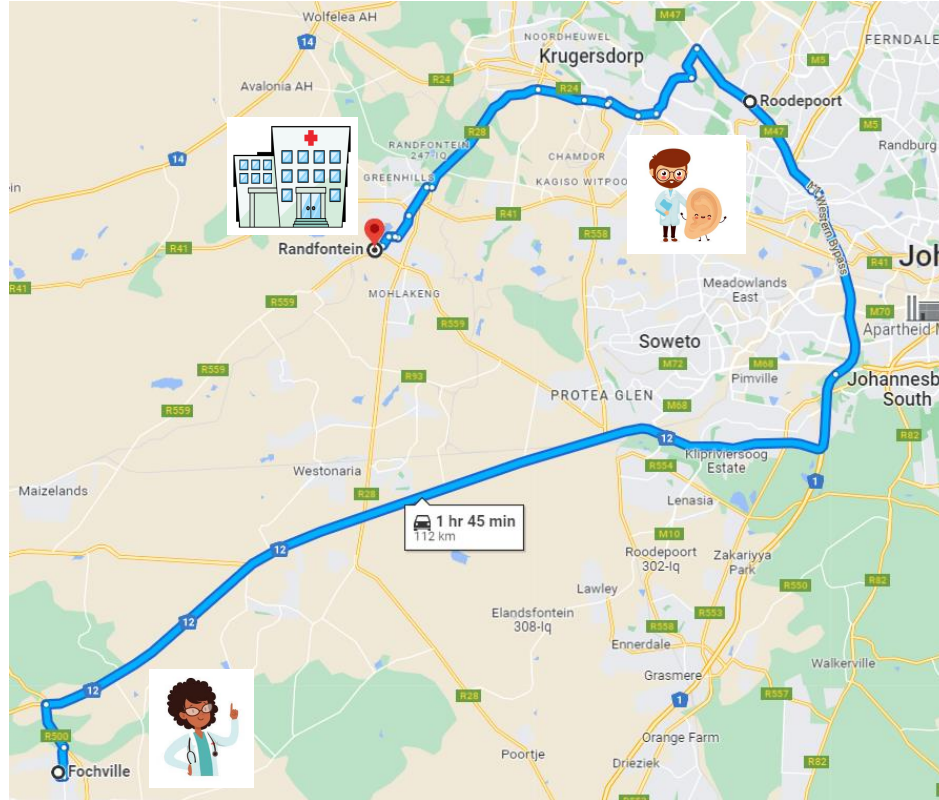
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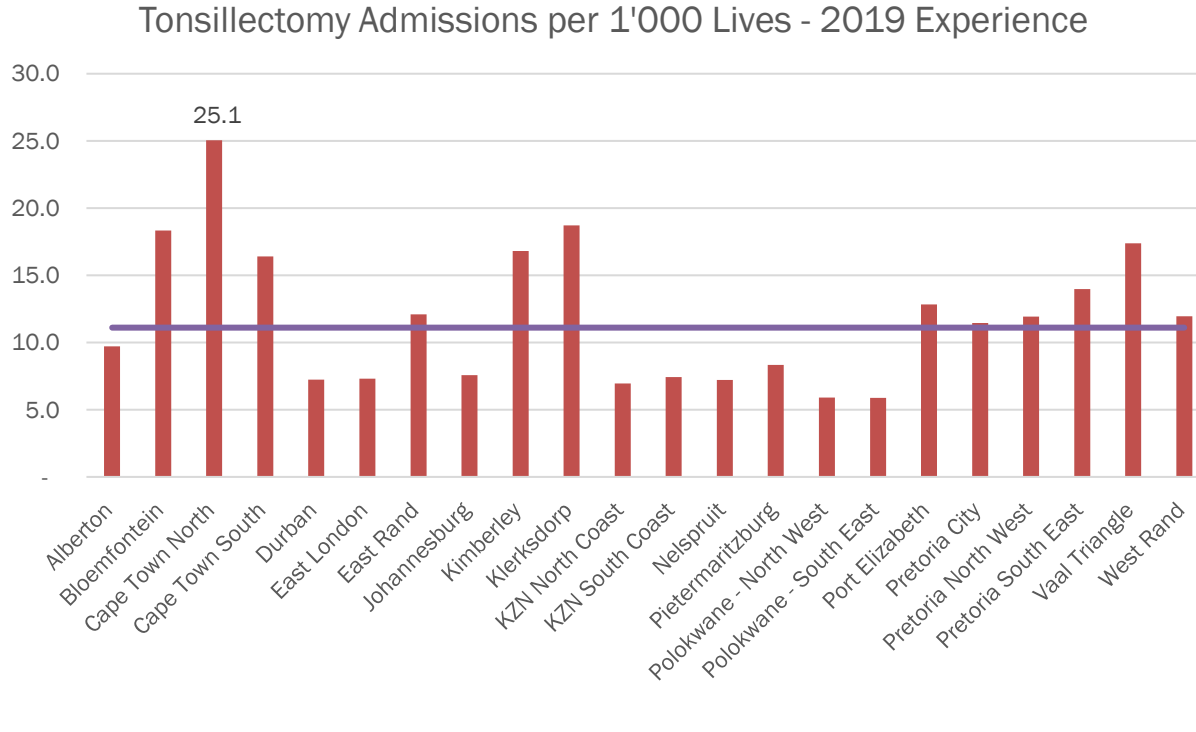
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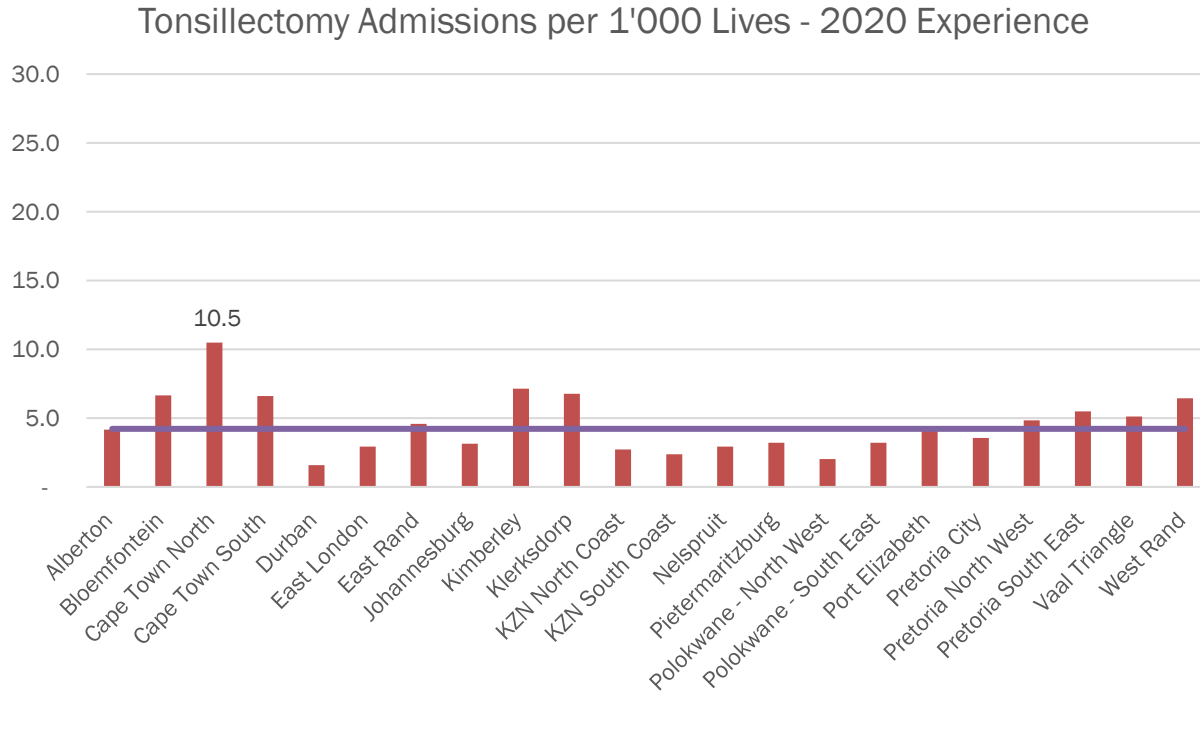
Tonsillectomies – Patient T



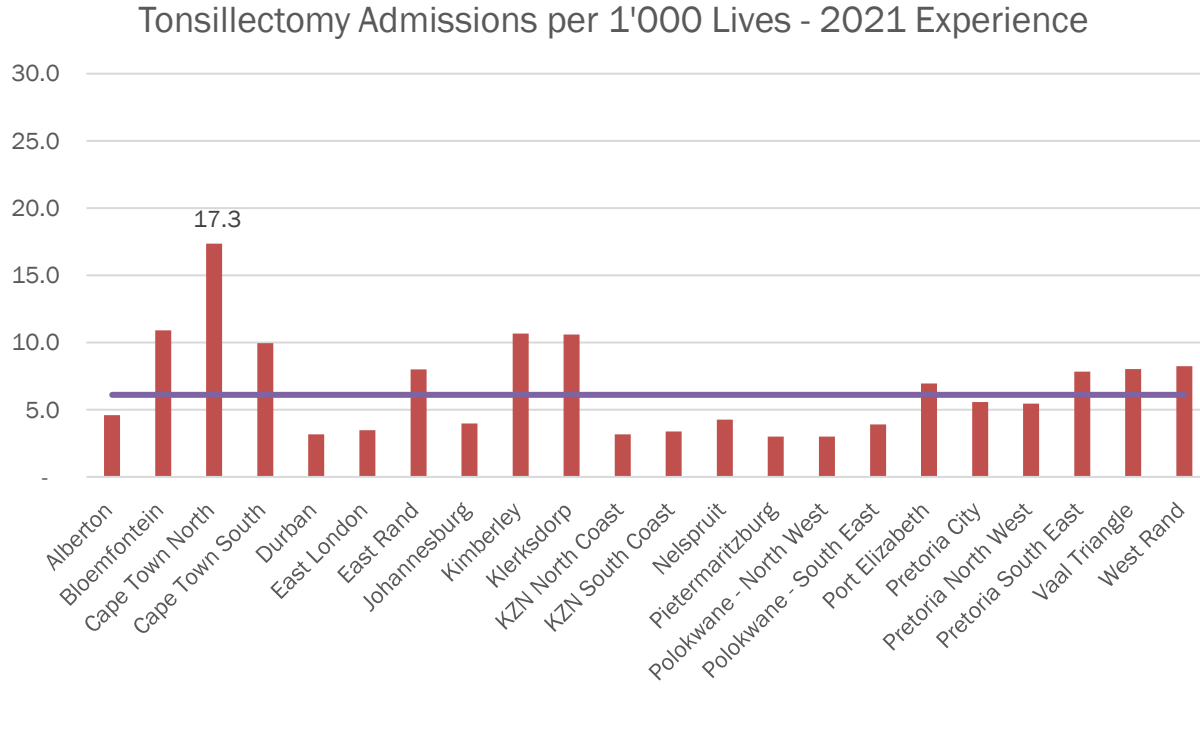
Tonsillectomies – Admissions Per 1'000 Lives



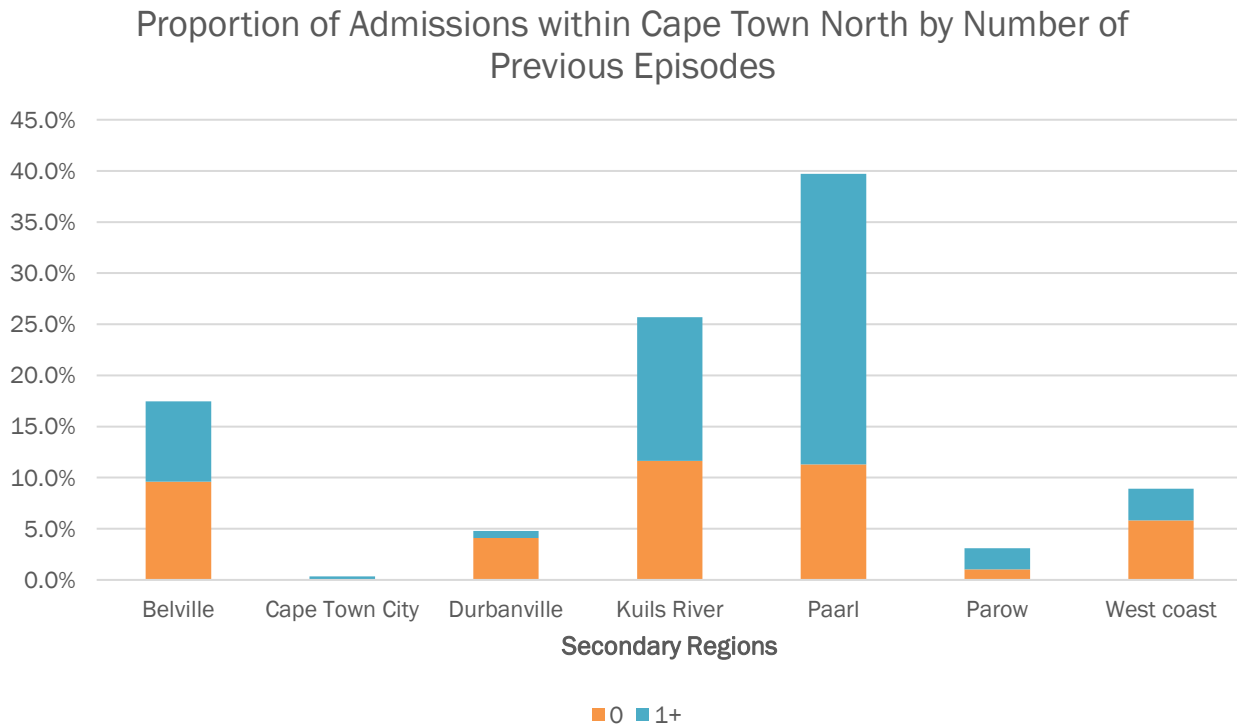
Tonsillectomies



Tonsillectomies

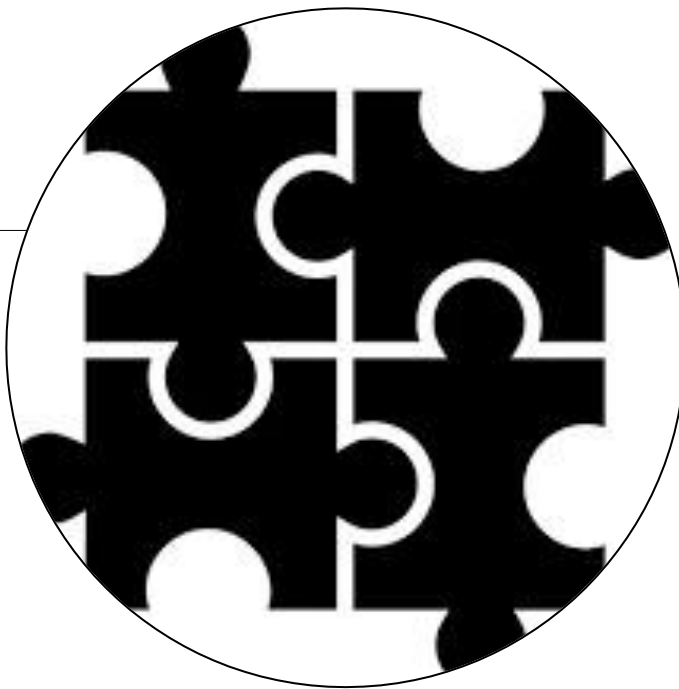


Tonsillectomies



Summary

Connecting the pieces



Summary



Conventional Reporting

Summary



DRG Views

Conventional Reporting

Summary

Episode Groupers

DRG Views



Conventional Reporting

Summary

Episode Groupers

Regional /
Geographical Analysis

DRG Views

Conventional Reporting





thank
you

