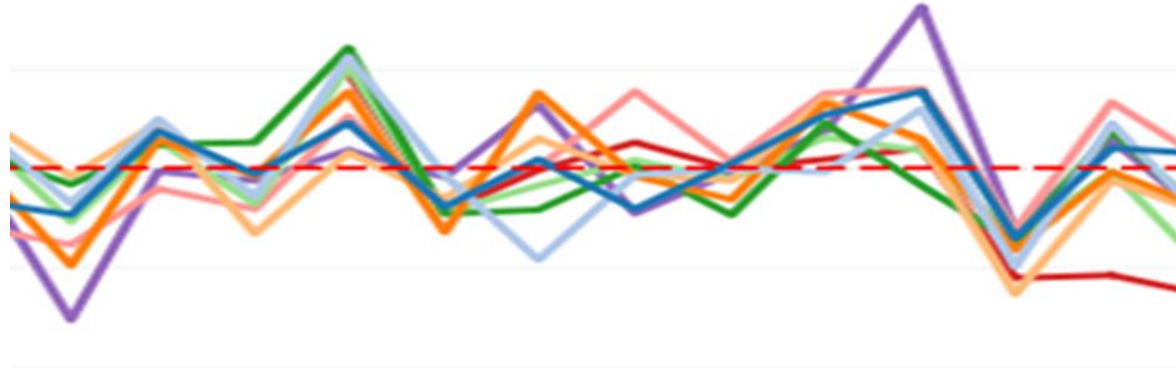
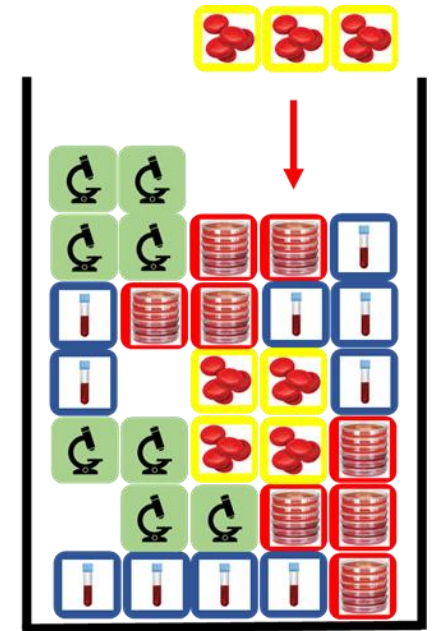
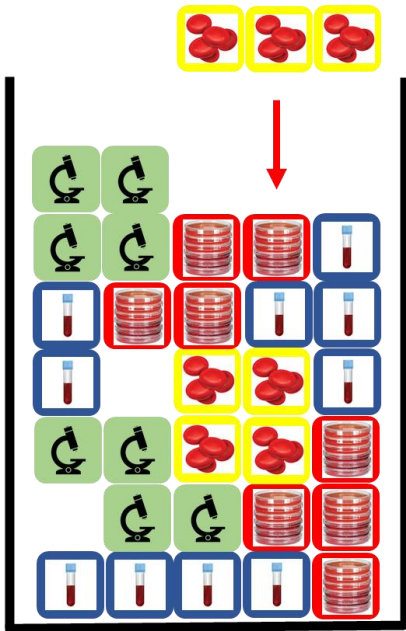


# Lab Services: Demand Optimisation



**Dr Bernie Croal**

**Chemical Pathologist NHS Grampian  
President RCPATH**



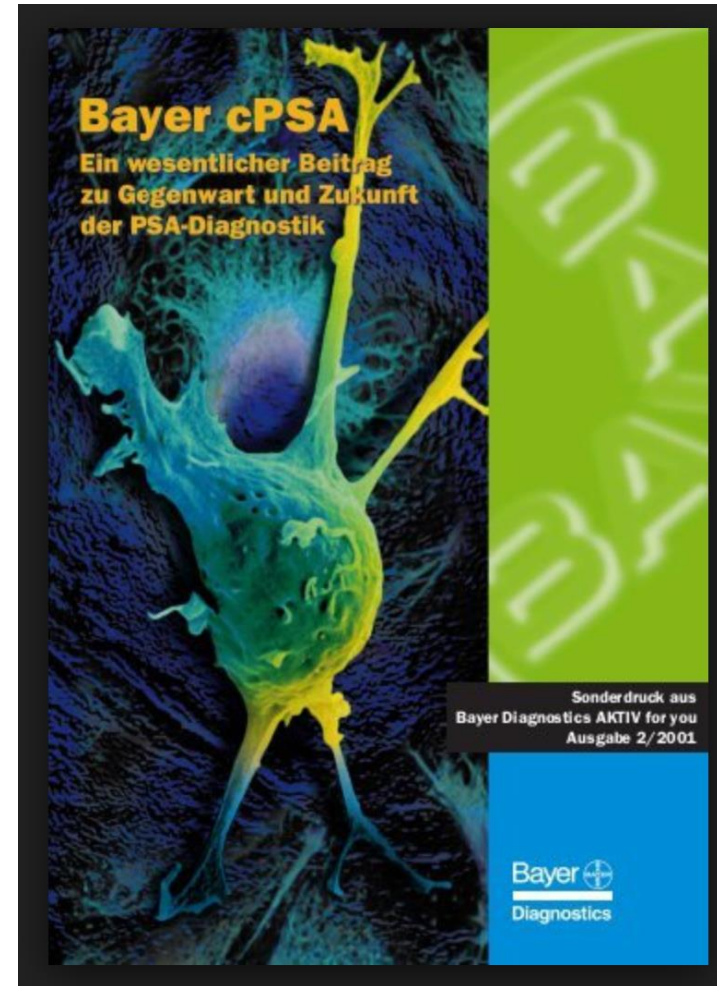
# Lab Services – Important across the NHS

- **17 Disciplines**
- **Screening, Diagnosis, Treatment, Prognosis**
- **95% of Clinical Interactions**
- **15 Million Tests/Year**
- **Appropriate testing**
- **NHS Grampian Labs spend?**

# Demand Optimisation

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**Right Test  
Right Patient  
Right Time**



# **Demand Optimisation**

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**Diagnostics Expenditure?**

# Demand Optimisation

The process by which diagnostic test use is optimised to maximise clinical utility, which in turn optimises clinical care and drives more efficient use of associated scarce healthcare resources.

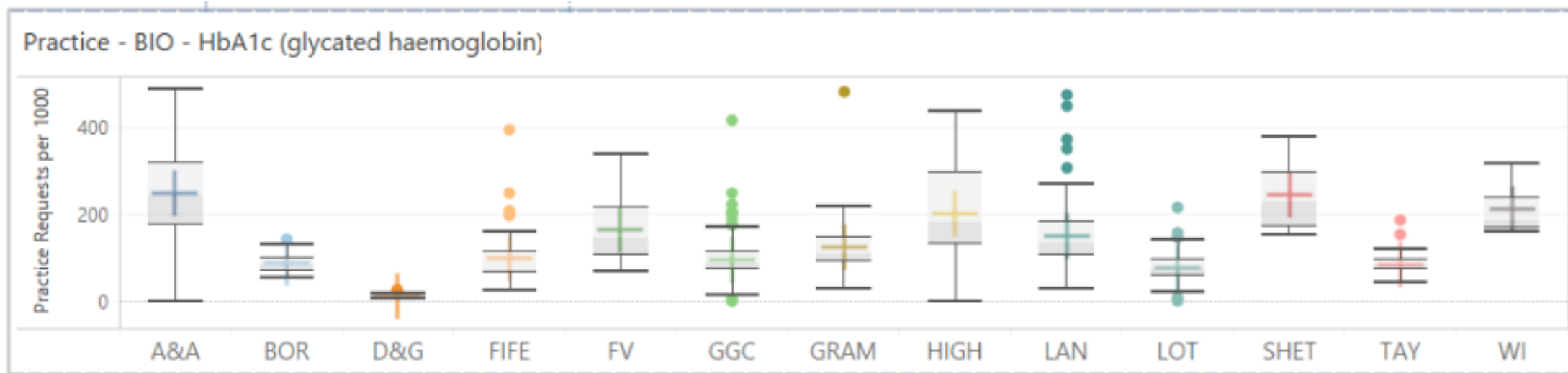
## Minimising

**Over Requesting**

**Under Requesting**

**Repeat Requesting**

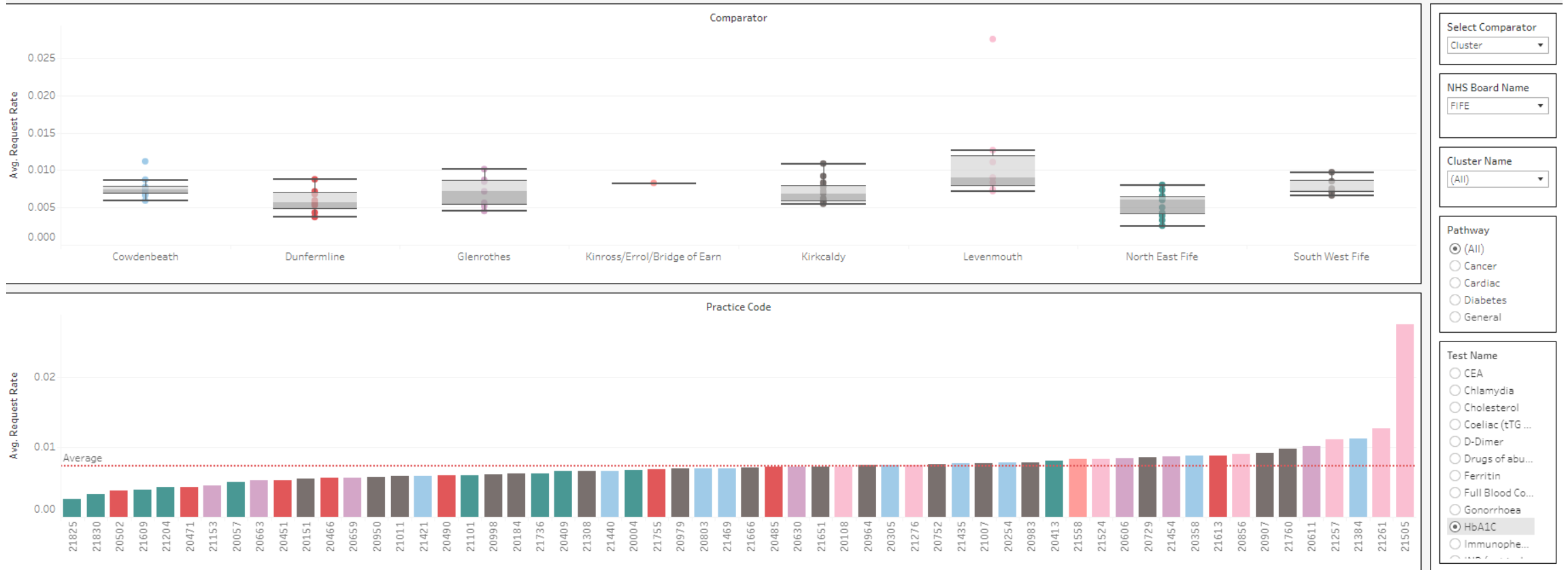
# NDOG Interactive Atlas of Variation



Practice - BIO - HbA1c (glycated haemoglobin)



# Diabetes Testing



Highlight Practice Code and Name

Highlight Practice Code and Name

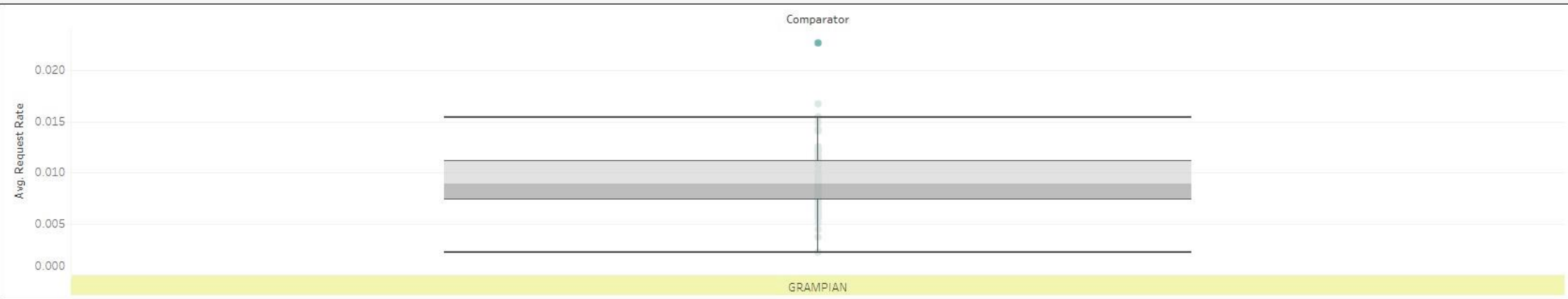
Year

(All)

Date

01/01/2019

01/02/2022



Select Comparator

Board

NHS Board Name

GRAMPIAN

Cluster Name

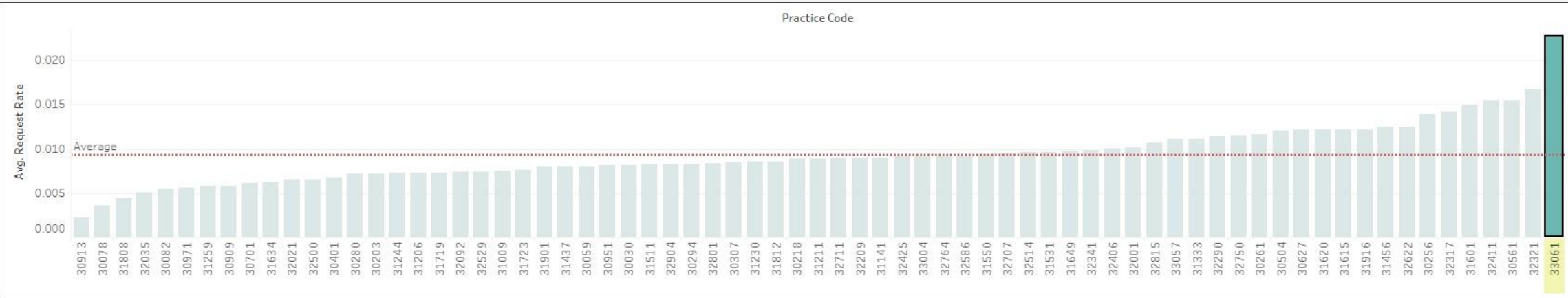
(All)

Pathway

- (All)
- Cancer
- Cardiac
- Diabetes
- General

Test Name

- (All)
- HbA1C





Highlight Practice Code and Name

Highlight Practice Code and Name

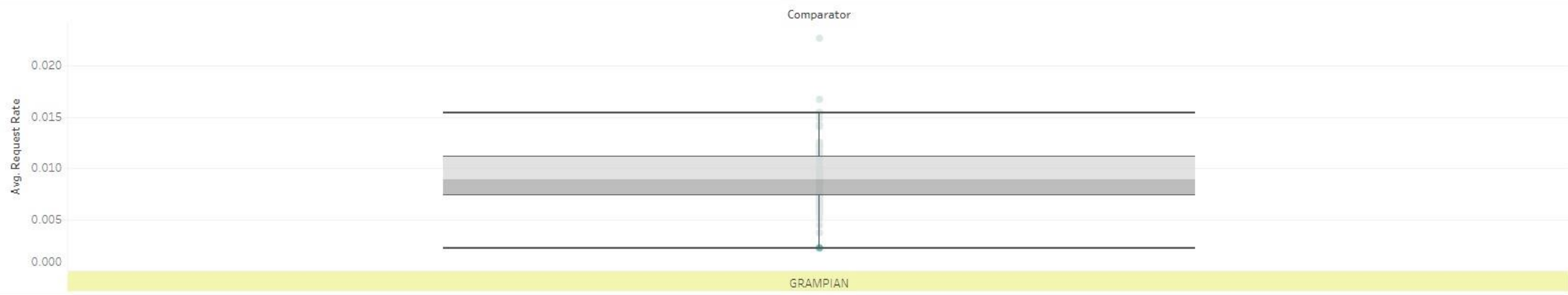
Year

(All)

Date

01/01/2019

01/02/2022



Select Comparator

Board

NHS Board Name

GRAMPIAN

Cluster Name

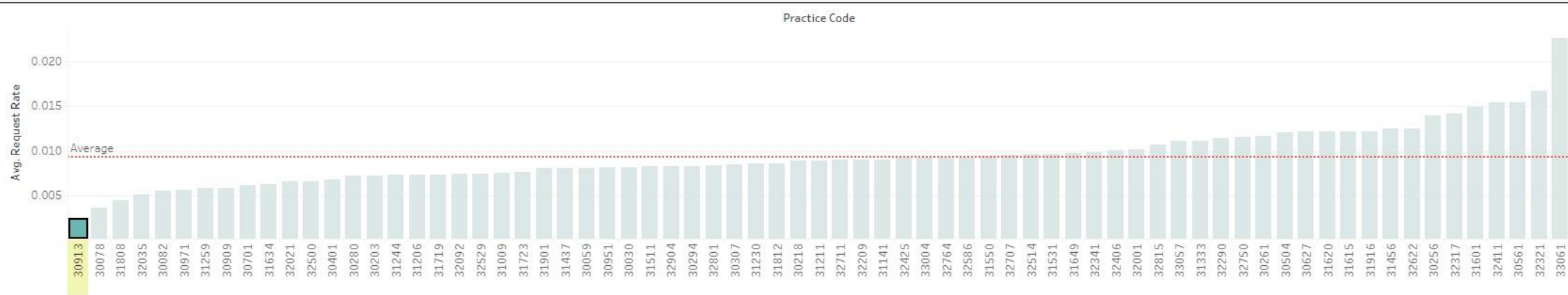
(All)

Pathway

- (All)
- Cancer
- Cardiac
- Diabetes
- General

Test Name

- (All)
- HbA1C



Highlight Practice Code and Name

Highlight Practice Code and Name

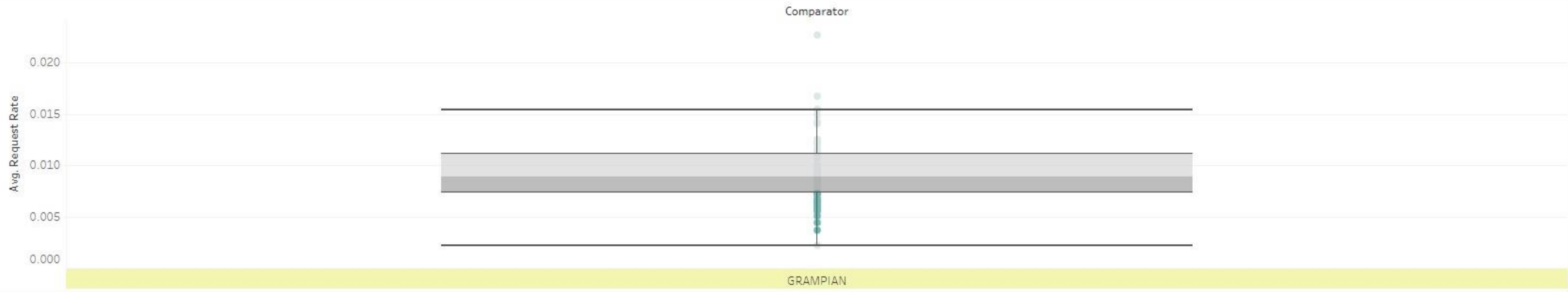
Year

(All)

Date

01/01/2019

01/02/2022



Select Comparator

Board

NHS Board Name

GRAMPIAN

Cluster Name

(All)

Pathway

- (All)
- Cancer
- Cardiac
- Diabetes
- General

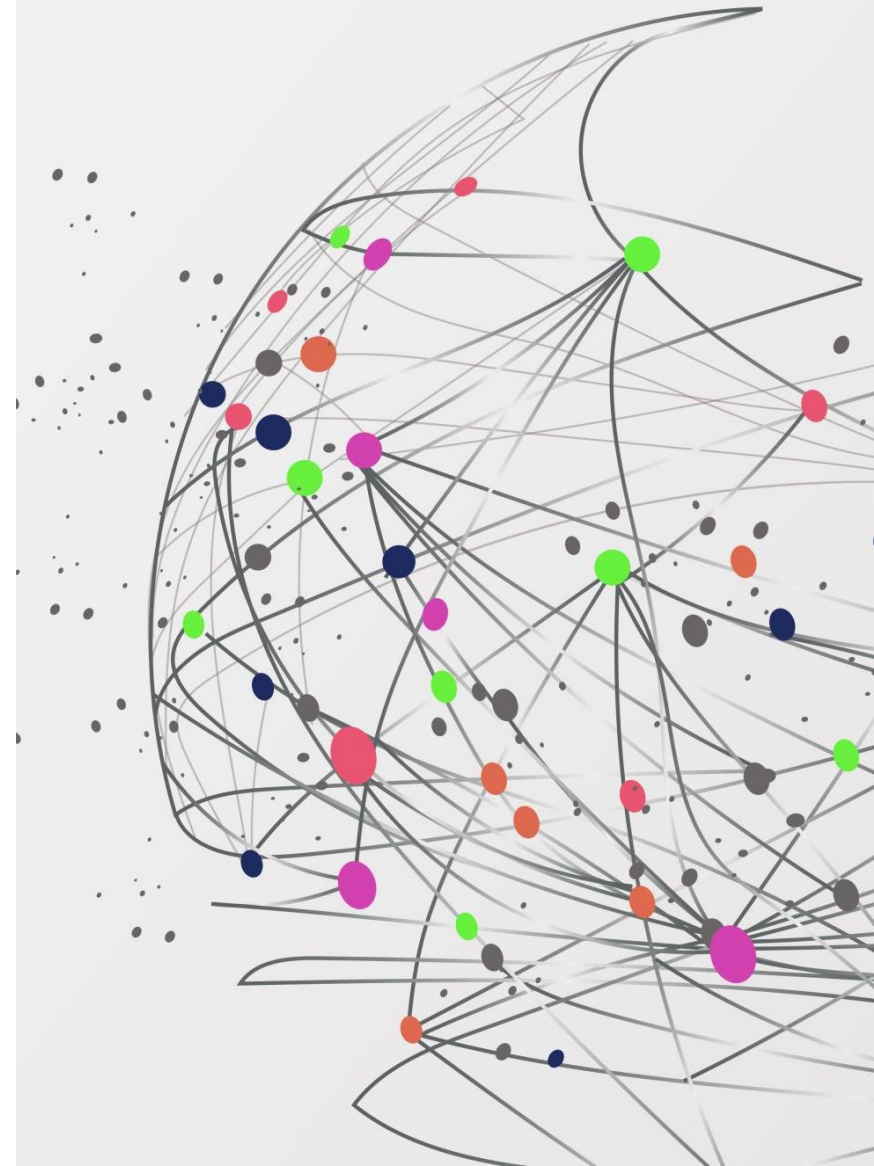
Test Name

- (All)
- HbA1C



# Secondary Care

- **Over Requesting**
- **Under Requesting**
- **Repeat Requesting**



New  
Tests/Services

**Test A**

Patient Pathway

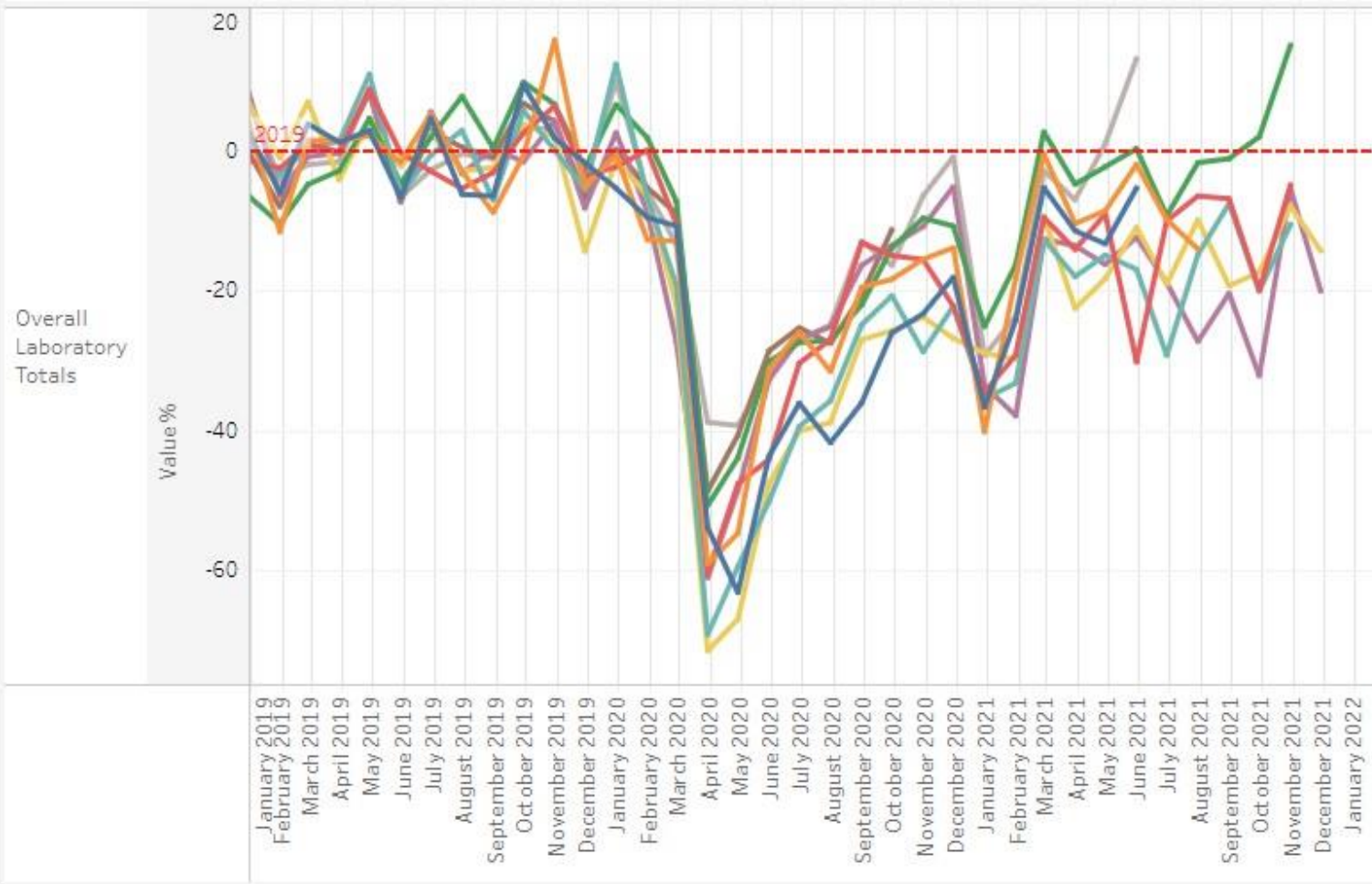
- Better Outcome
- Improved use of Resources

# Histopathology Dashboard

This dashboard contains monthly histopathology data for NHS Boards totals

Test by Health Board

## Overall Laboratory Totals - All - Monthly Rate per 100K



### Slicer Metric

- (All)
- Null
- Blocks
- ICC Procedures
- Procedures (All)
- Requests
- Specimens

- AYRSHIRE AND ARRAN
- DUMFRIES AND GALL...
- FIFE
- FORTH VALLEY
- GRAMPIAN
- GREATER GLASGOW ...
- HIGHLAND
- LOTHIAN
- TAYSIDE

### Metric Chooser

Value %

### Rate Volume

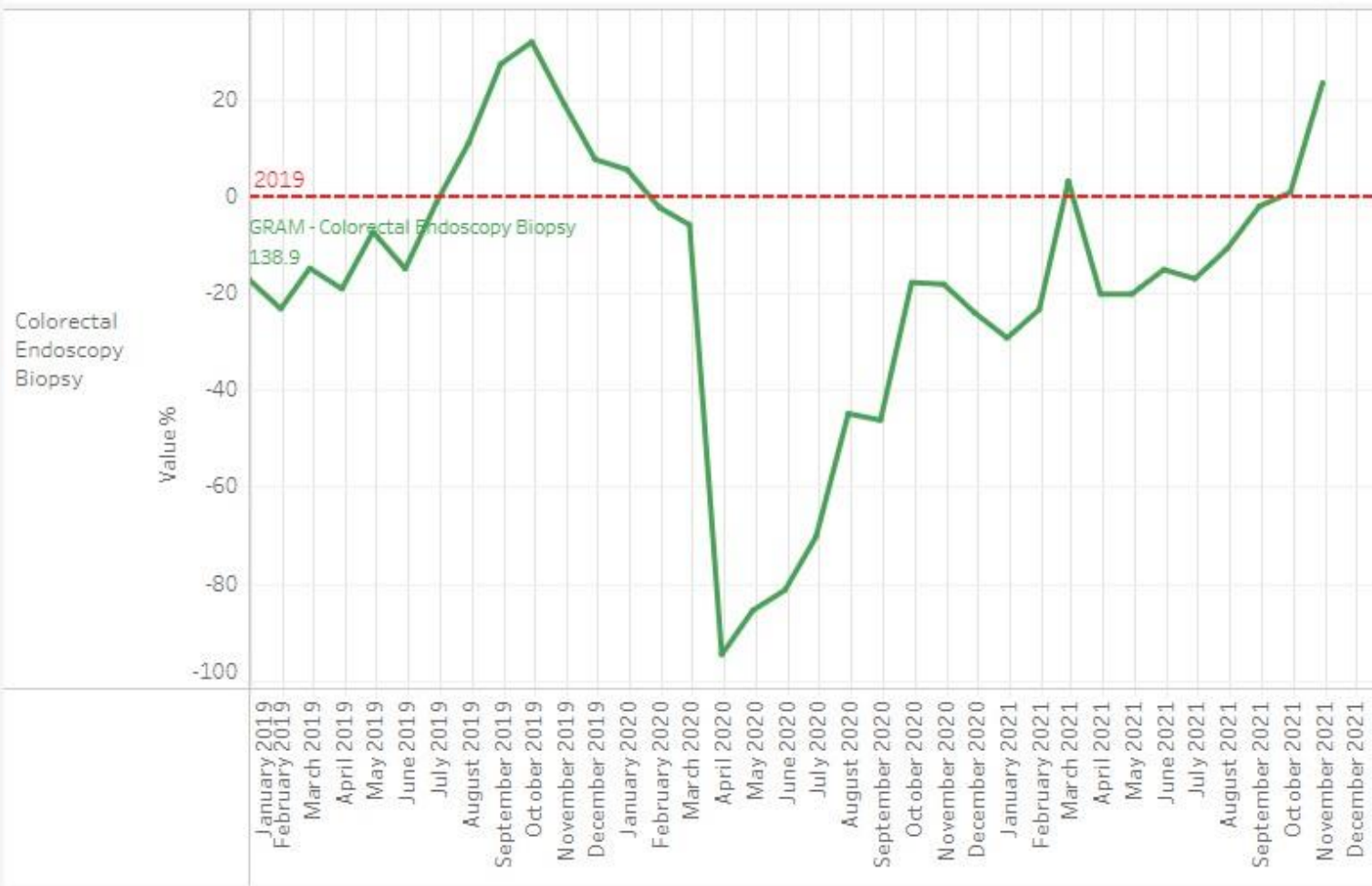
100K

## Histopathology Dashboard

This dashboard contains monthly histopathology data for NHS Boards totals

Test by Health Board

### Colorectal Endoscopy Biopsy - All - Monthly Rate per 100K



Slicer Metric

- (All)
- Blocks
- Requests
- Specimens

GRAMPIAN

Metric Chooser

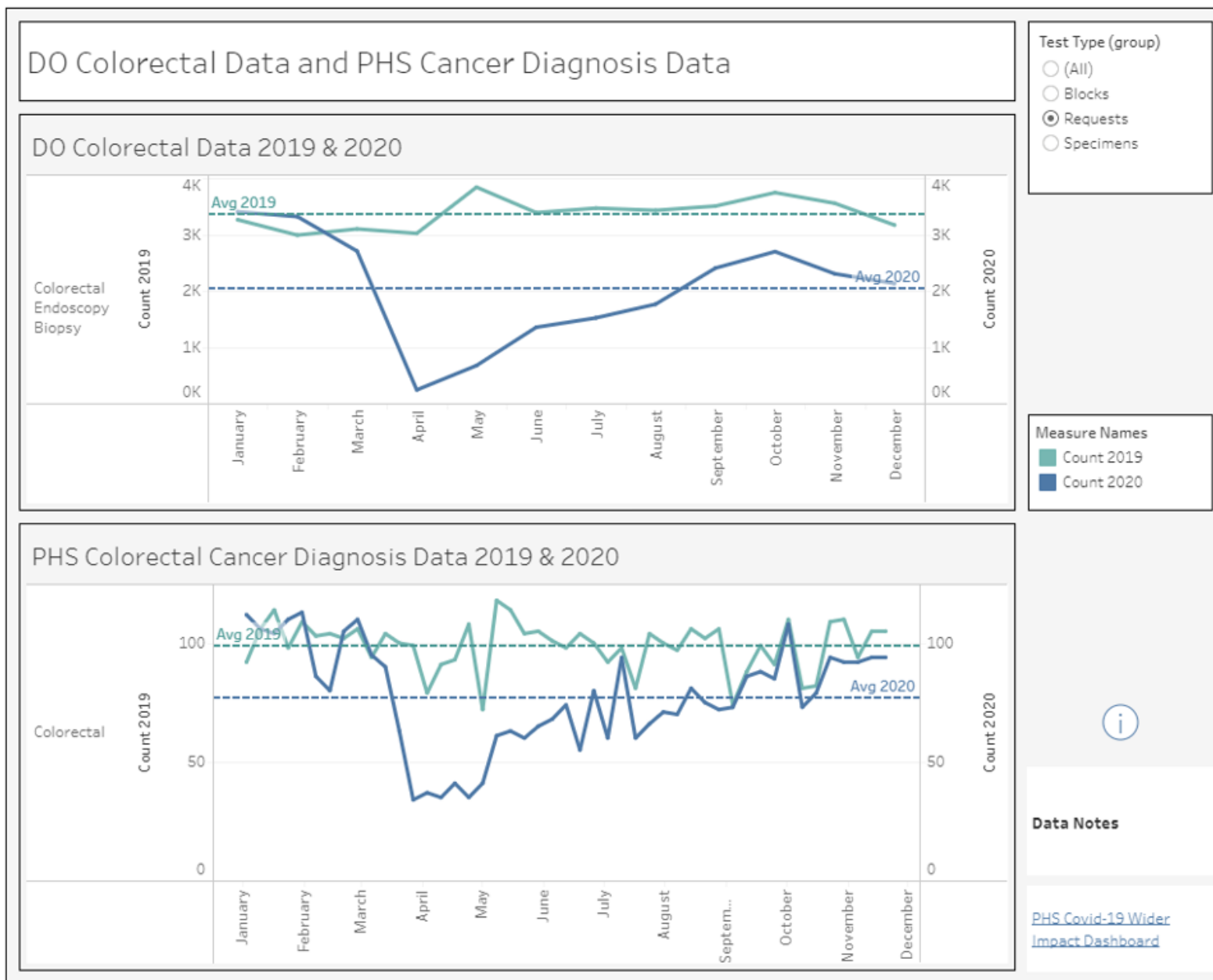
Value %

Rate Volume

100K

**45% reduction in  
Colorectal Biopsy**

**23% reduction in  
Colorectal Cancer  
Diagnosis**

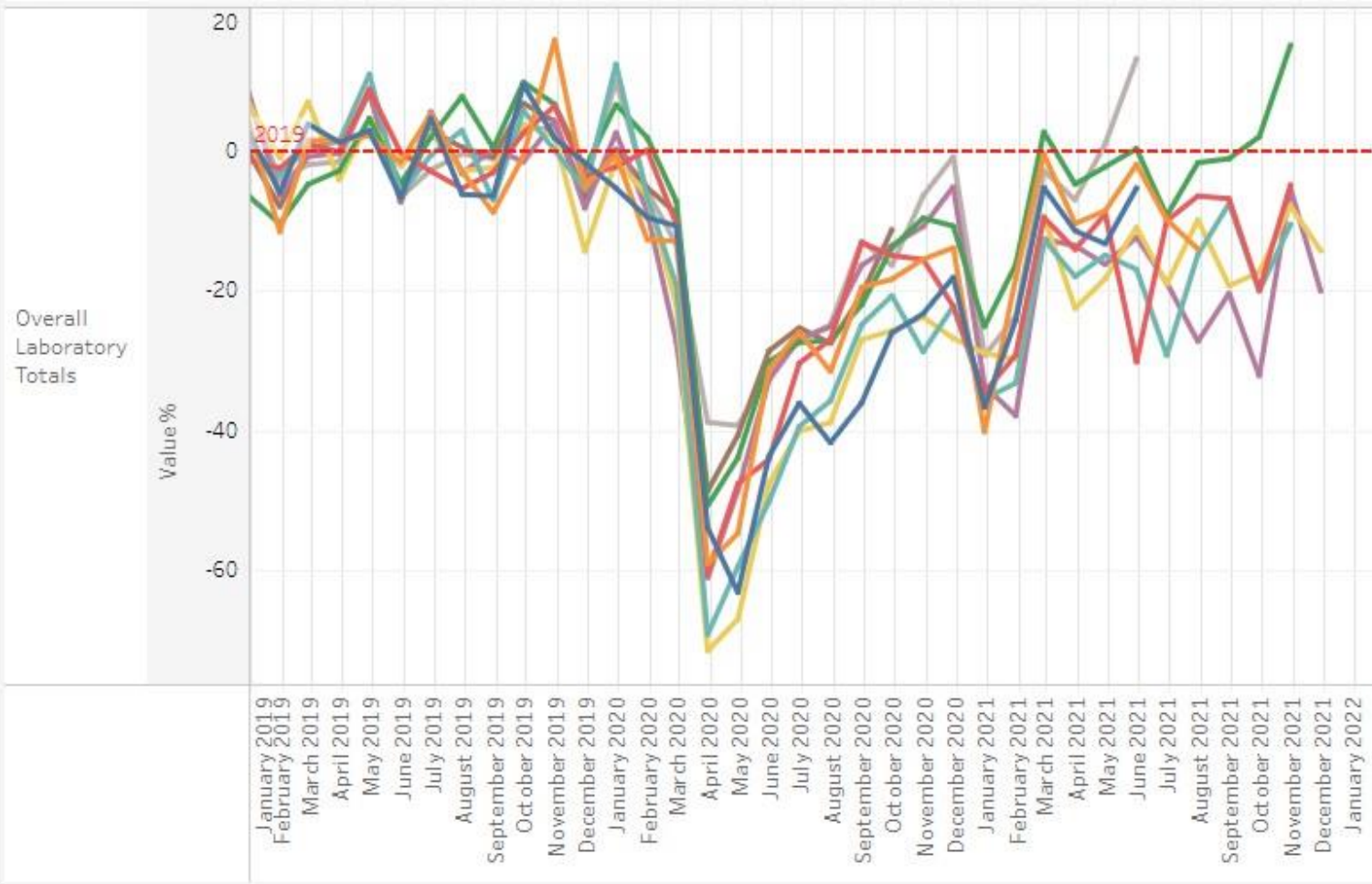


# Histopathology Dashboard

This dashboard contains monthly histopathology data for NHS Boards totals

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Slicer Metric

- (All)
- Null
- Blocks
- ICC Procedures
- Procedures (All)
- Requests
- Specimens

- AYRSHIRE AND ARRAN
- DUMFRIES AND GALL...
- FIFE
- FORTH VALLEY
- GRAMPIAN
- GREATER GLASGOW ...
- HIGHLAND
- LOTHIAN
- TAYCIDE

Metric Chooser

Value %

Rate Volume

100K



# **Demand Optimisation**

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## **Next Steps**

- **Labs Demand Optimisation Board/Committee**
  - Clinicians**
  - Diagnostics**
  - Pharmacy**
  - Managers**
  - Finance**
- **Shared Decision Making**

**Over Requesting  
Under Requesting  
Repeat Requesting**

- **Realistic Medicine – Value Based Health & Care**
- **Appropriate Requesting**
- **Financial efficiency – Labs and Pathways**
- **Better Outcomes**

Lab Services  
Demand  
Optimisation