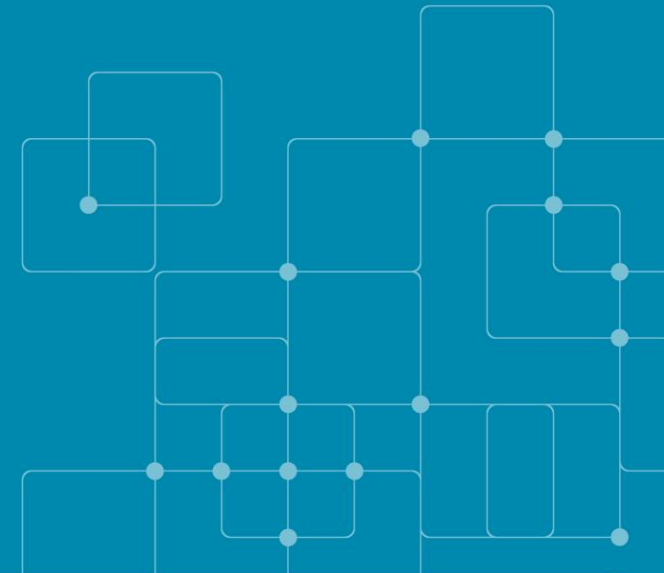


Coronary Artery Disease (CAD) Value-Based Health Care Program Dr. Soliman Fakeeh Hospital-Jeddah October 2026 Update



In alignment with our Dr. Soliman Fakeeh Hospital strategy and the Value-Based Care (VBC) program, we initiated a cardiac-focused model to improve outcomes and patient value.

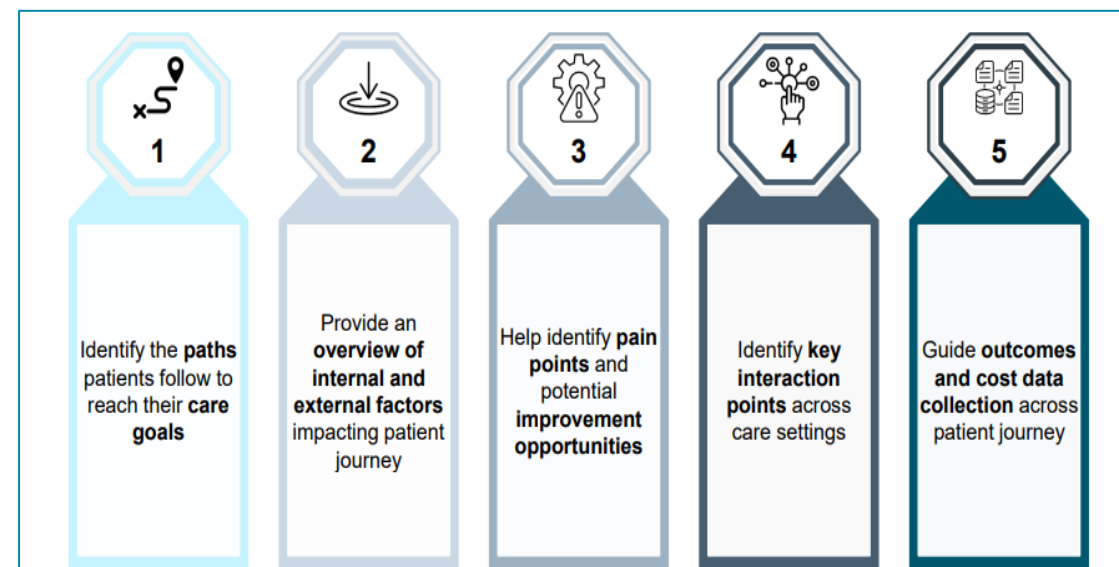
The CAD program aims to move beyond volume of services to focus on outcomes, experience, and cost efficiency.

A multidisciplinary team was formed, including Clinical, Nursing, Patient Experience, Quality, IT, and Bupa representatives.

Together, we co-designed the care model to ensure integrated, value-driven care for cardiac patients.

1. Mapped the patient journey from ED to outpatient follow-up.
2. Identified gaps in communication, coordination, and patient education.
3. Designed the new model guided by PROMs and CROMs.
4. Launched the CAD Pathway focusing on select patients in the pilot phase.

ExA – High Level PJM Acute	ExB – Detailed PJM Acute
ExC – High Level PJM Chronic	ExD – Detailed PJM Chronic



To ensure care reflects what matters most to patients, we used the following tools:

- EQ-5D-3L – overall health status
- Rose Dyspnea Scale – breathlessness and activity tolerance
- SAQ-7 – angina symptoms and quality of life
- PHQ-2 – screening for depression
- CARE Measure – empathy, communication, and patient–clinician relationship

EQ-5D-3L

EQ-5D-3L is a standardized tool used in Value-Based Care to measure a patient's self-reported health status (PROMs) — that is, how patients *feel* and *function* after receiving care.

- EQ-5D stands for “EuroQol 5 Dimensions.”
- The 5 dimensions are: mobility, self-care, usual activities, pain/discomfort, and anxiety/depression.
- The 3L means each dimension has three levels: *no problems, some problems, or extreme problems.*

PHQ-2

The PHQ-2 inquiries about the frequency of depressed mood and anhedonia over the past two weeks. The PHQ-2 includes the first two items of the PHQ-9.

The purpose of the PHQ-2 is to screen for depression in a “first-step” approach.

Patients who screen positive should be further evaluated with the PHQ-9 to determine whether they meet criteria for a depressive disorder.

ROSE DYSPNEA SCALE

The Rose Dyspnea Scale asks patients whether they experience shortness of breath during specific daily activities (e.g., walking uphill, climbing stairs, or walking on level ground).

The responses indicate the severity of functional limitation caused by breathlessness.

In Value-Based Care, the RDS helps clinicians evaluate treatment effectiveness and monitor changes in patient quality of life over time — directly from the patient's perspective.

SAQ-7

It's a 7-question version of the original 19-item Seattle Angina Questionnaire (SAQ).

It measures three key domains:

- Physical Limitation – how angina affects activity levels.
- Angina Frequency – how often chest pain occurs.
- Quality of Life – how symptoms impact overall well-being.

Patients complete it directly, providing a quantitative score that reflects their symptom burden and functional health

CARE

The CARE Measure (Consultation and Relational Empathy) is a Patient-Reported Experience Measure (PREM) widely used in Value-Based and Person-Centered Care to assess the quality of the clinician–patient relationship, focusing on empathy and communication during consultations.

- It consists of 10 questions completed by the patient after a consultation.
- The questions evaluate how well the healthcare professional:
 - Listens and shows understanding.
 - Shows compassion and empathy.
 - Involves the patient in decisions.
 - Provides reassurance and clear explanations.

On Short

- ✓ **EQ-5D-3L** → Overall health status
- ✓ **Rose Dyspnea Scale** → Breathlessness
- ✓ **SAQ-7** → Angina symptoms and quality of life
- 💡 **PREMs** (e.g., CARE) = experiences patients *perceive* emotionally and relationally.
- 💡 **PHQ-2** = quick screen for depression → integrates mental health into value-based, whole-person care.

Patient Education and Awareness

فقيه.

مستشفى د. سليمان فقيه

Dr. Soliman Fakeeh Hospital

جدة Jeddah

فقيه.

أكاديمية فقيه الطبية
Fakeeh Care Academy

فقيه.

مجموعة فقيه للرعاية الصحية
Fakeeh Care Group



الرعاية الصحية القائمة على القيمة
و أدوات قياس النتائج المسجلة من قبل المرضى

FAKEEH.CARE

فقيه.

أكاديمية فقيه الطبية
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Fakeeh Care Group



Value-Based Health Care and Patient
Reported Outcome Measures (PROMs)

FAKEEH.CARE



Patient Education and Awareness

What are the advantages of the patient outcome questionnaire?

Doctors will use the questionnaires to better understand how care delivered is impacting patients' daily life and experience throughout the care journey. As we aim to improve healthcare services as much as possible, it is important to ask patients for their opinions. These questionnaires will give patients an active role in identifying areas for improvement in quality and availability. By involving patients in the evaluation of care, the progress made will help to significantly improve healthcare standards.

What should I do?

You will be asked to complete a short "PROM" questionnaire either in or outside of the hospital. You will receive the questionnaire via your preferred method of communication (SMS, WhatsApp, E-mail, QR code). You should read the questionnaire carefully before answering any questions and ensure that you provide your **personal views** as honestly as possible; if you need more information, you can ask the medical staff for help and they will be able to clarify any doubts you may have about the questions.

After completing the questionnaire, return it to your doctor. After your next visit, you'll be asked to fill it in again to assess your progress and satisfaction. Your answers are crucial to our understanding of how your CAD treatment is progressing.

Should I participate?

Your contribution would be extremely important as, by completing the questionnaires, you will significantly help us to understand the patient's point of view, thus contributing to the major advancement of coronary artery disease care in the Kingdom aimed at improving not only your journey and your care, but also that of current and future similar patients.

However, please note that your participation remains **optional**, and is by no means compulsory.

What data will be collected?

You will be asked questions related to your treatment both pre-procedurally and post-procedurally. If you feel uncomfortable answering any question, you can choose not to answer it. Please note that all responses will be anonymous.

When will my data be collected?

PROMs are collected at specific time points. In your case, PROMs will be collected 4 times across your treatment journey and up till a year after your procedure.

About your information

Your personal data will be treated confidentially in accordance with the Personal Data Protection Law in the Kingdom and will only be used by our team for the development of the medical care | provided to you.

Our multidisciplinary team will analyze the data from the questionnaires (without disclosing personal information) as mentioned above, to better understand how to improve the care provided to you.

Will my personal data be secure?

Absolutely... All published reports will be anonymous and the information will be stored in accordance with the strictest security and confidentiality standards according to the Saudi Data & AI Authority (SDAIA).

Can I change my mind?

Yes, you can change your mind, and this will be possible until such time as the data is analyzed and the personal details removed. The removal of your information will not affect your medical or legal rights in any way. You can do this by contacting the medical team who asked you to complete the questionnaire.

As part of the collaboration between the hospital and Bupa Arabia under the "VBHC" initiative, we aim to collect surveys and information about the coronary artery disease journey from the patient's perspective.

receive the questionnaire via your preferred method of communication (SMS, WhastApp, E-mail, QR code).



كيفية التواصل معنا:

إذا كنتم ترغبون في الانضمام عن إجراءات نتائج المرضى التي نأخذ الإطلاع عليها، الاستبيانات، خصوصية المعلومات، أو كيفية خطط واستخدام برنامجنا الشخصية، لا تتردد في التواصل مع طبيبك المعالج.

شكراً لكم على مساعدتكم



النتائج المُبلغ عنها من قبل
المرضى
(PROMs)

ما هو استبيان تقييم المرضى للنتائج؟

استبيان تقييم المرضى للنتائج، والذي يسمى أحياناً "PROMs"، هو استبيان يرسل المرضى عن حالتهم الصحية قبل وبعد أي إجراء طبي. إنه يساعد على قياس مدى رضا المرضى عن نتائج الإجراء من خلال إعطائهم الفرصة بمشاركة وجهة نظرهم.



تم دعوة المرضى الذين يخضعون للرعاية لتشخيص إصابتهم بمرض الشريان التاجي لإكمال هذه الاستبيانات.

تهدف الاستبيانات إلى جمع معلومات عن خدمات الرعاية الصحية. سيتم استخدام المعلومات المجمعة لتمكين تحليل وتقييم وتحسين جودة خدمات الرعاية الصحية.

Survey fill out

Use any of these options if you want to fill in only the questionnaire on which you clicked.

Access for the Clinician

Questionnaire

Access for the Patient



Use any of these options if you want to fill in the complete Control Point on which you clicked.

Access for the Clinician

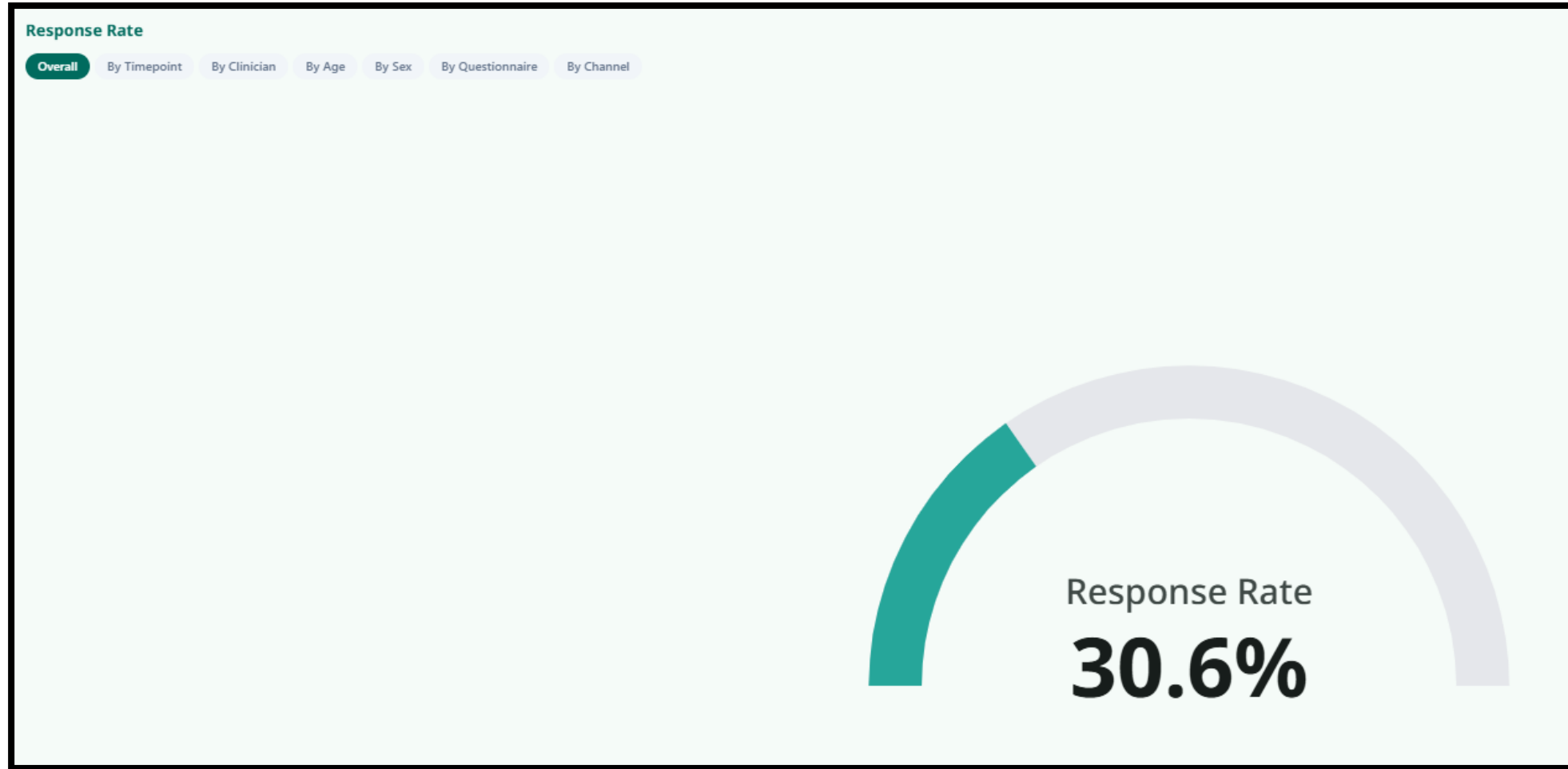
Questionnaire

Access for the Patient

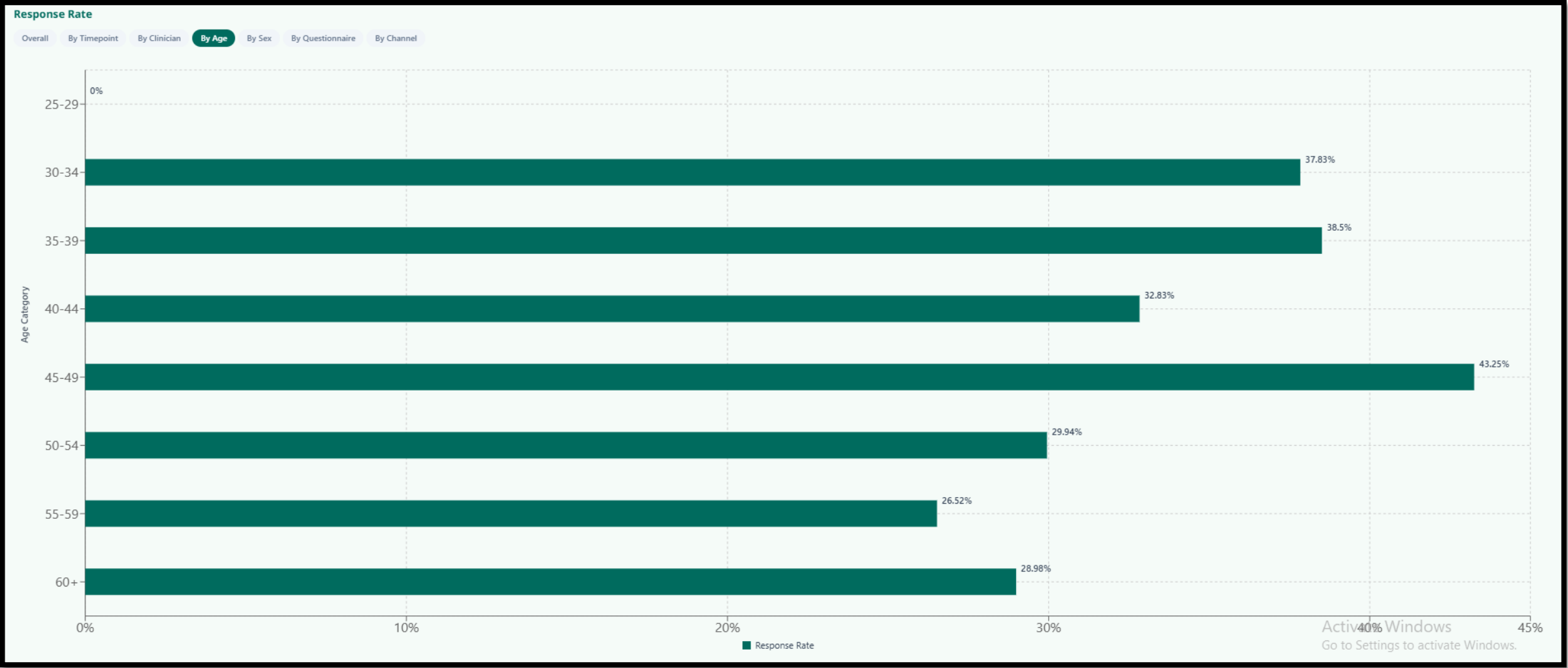


Close

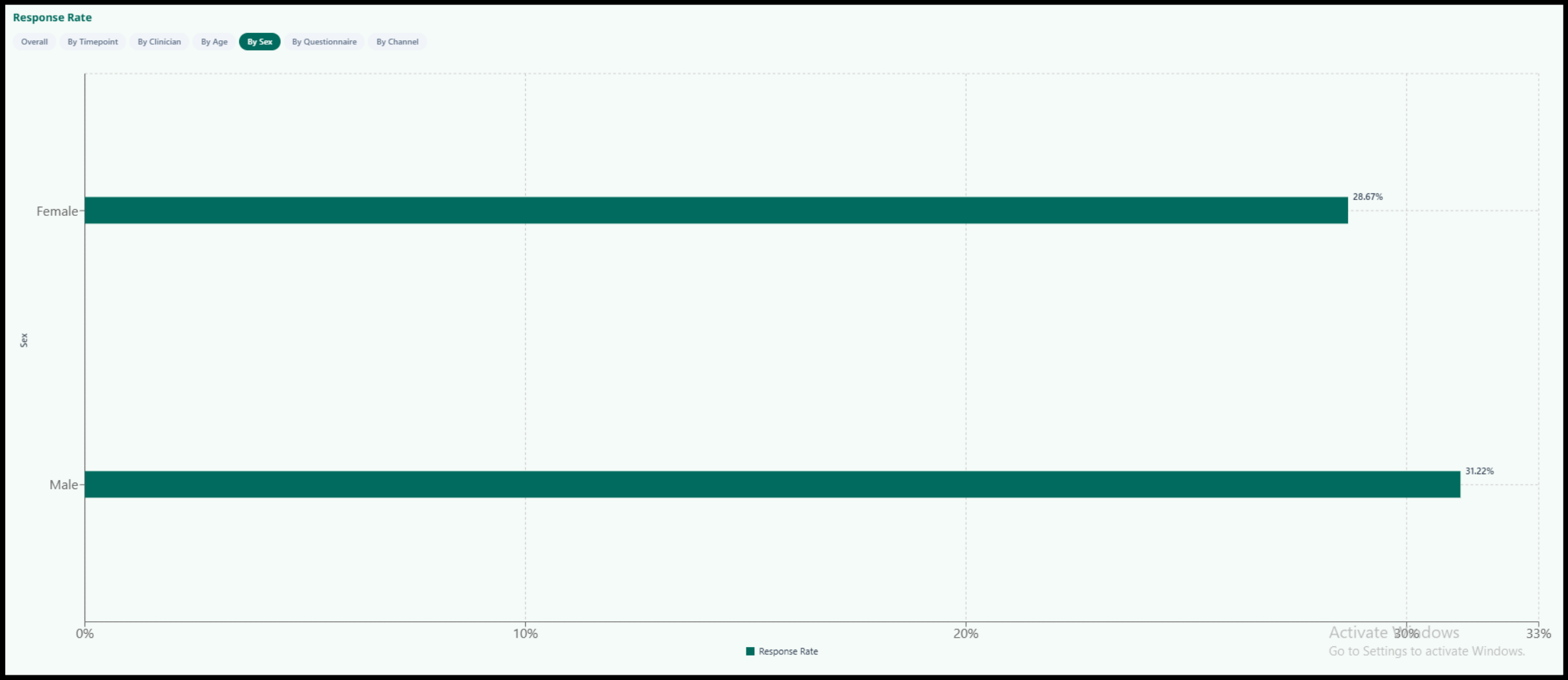
PROMS - Response Percentage



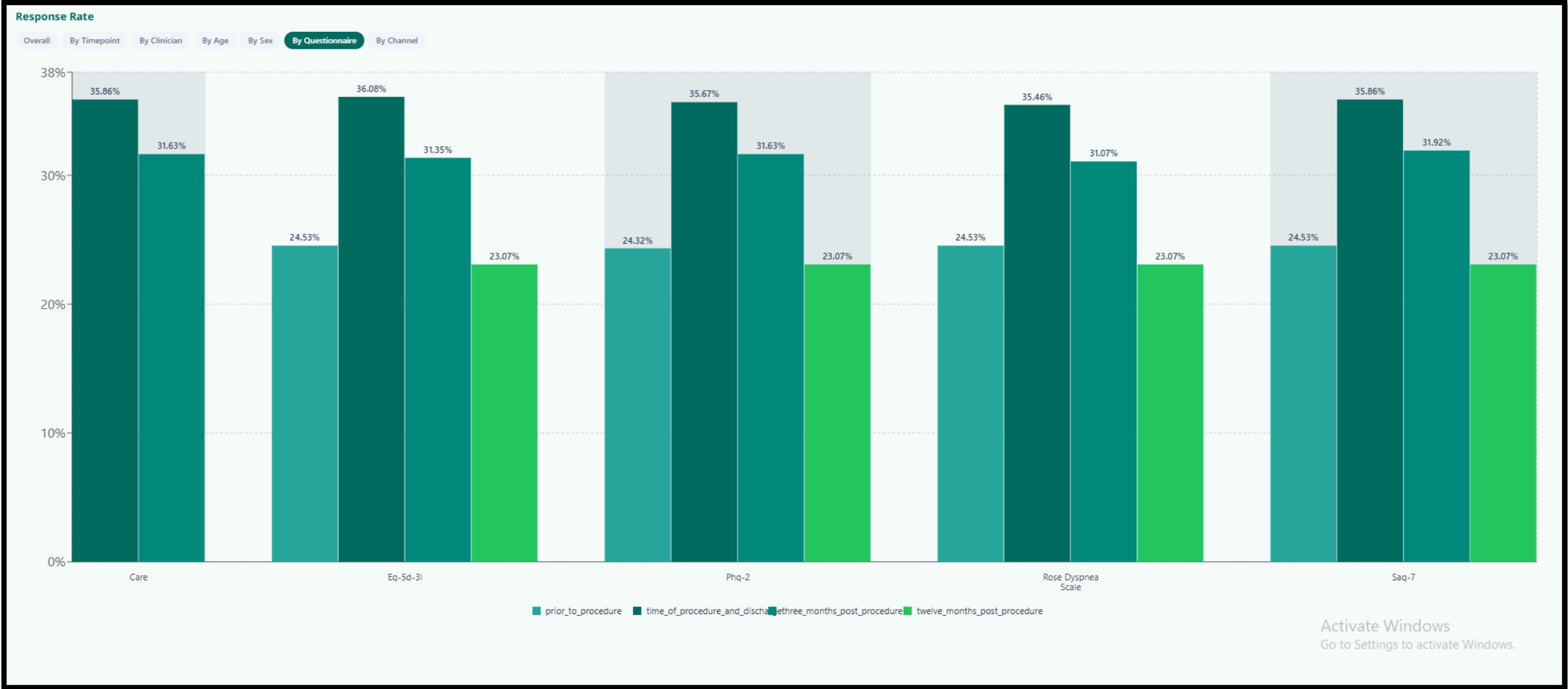
PROMS - Response Rate by Age Category



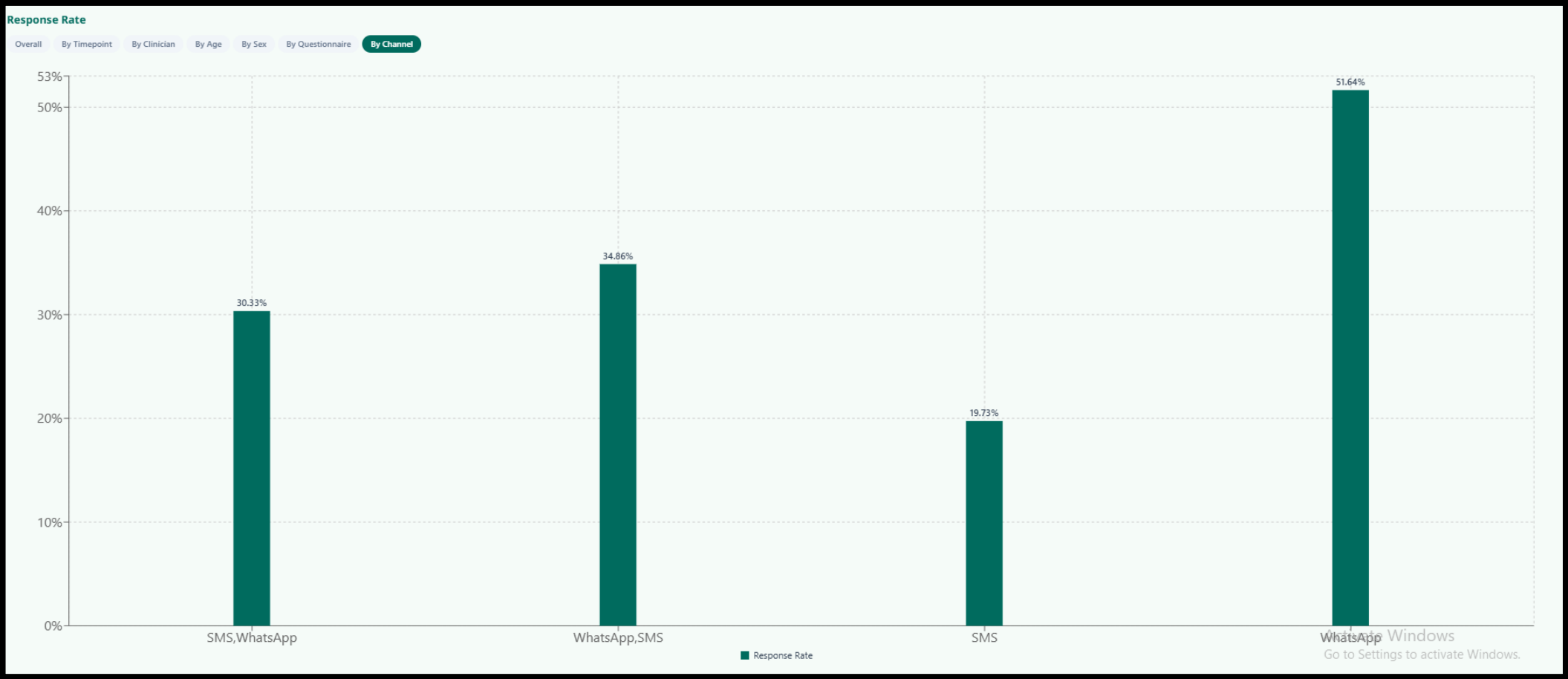
PROMS - Gender Distribution



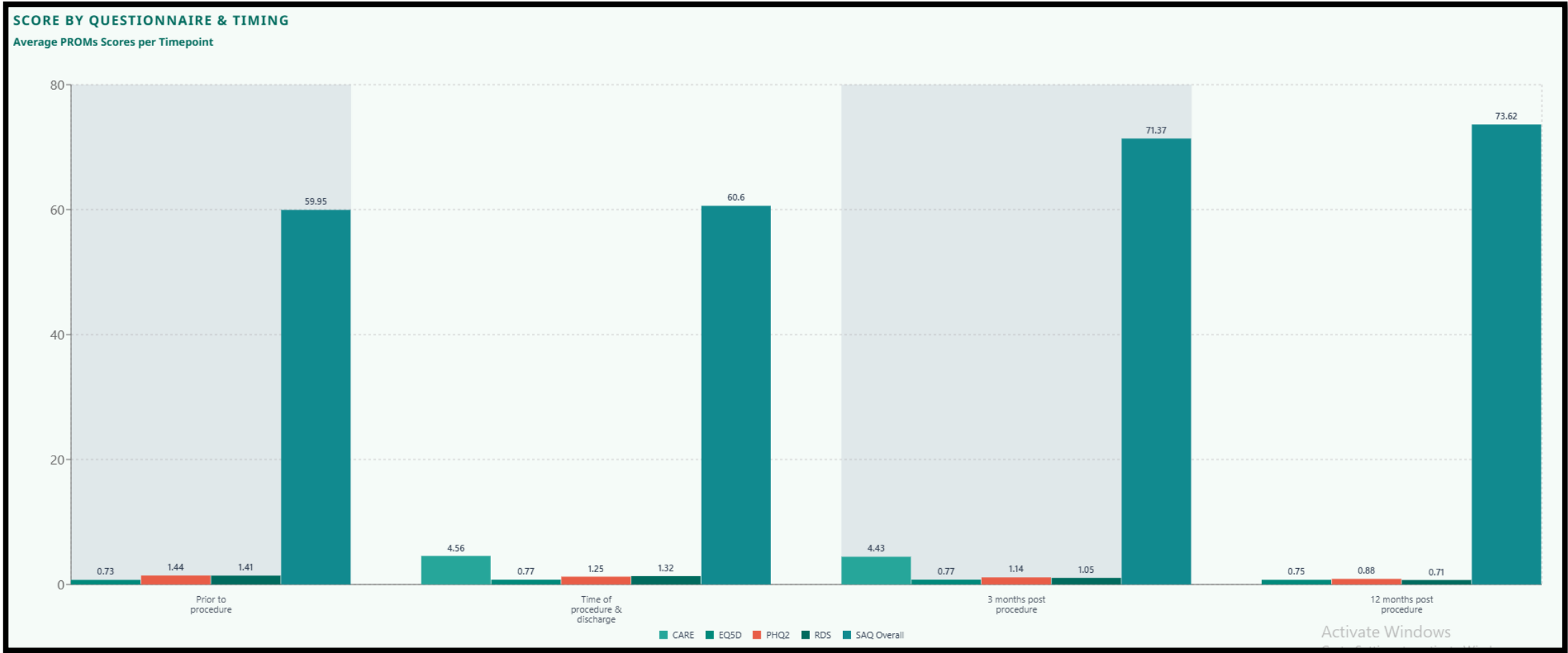
PROMS - Response Percentage Per PROMs Tool



PROMS - Response Percentage by Channel of Communication

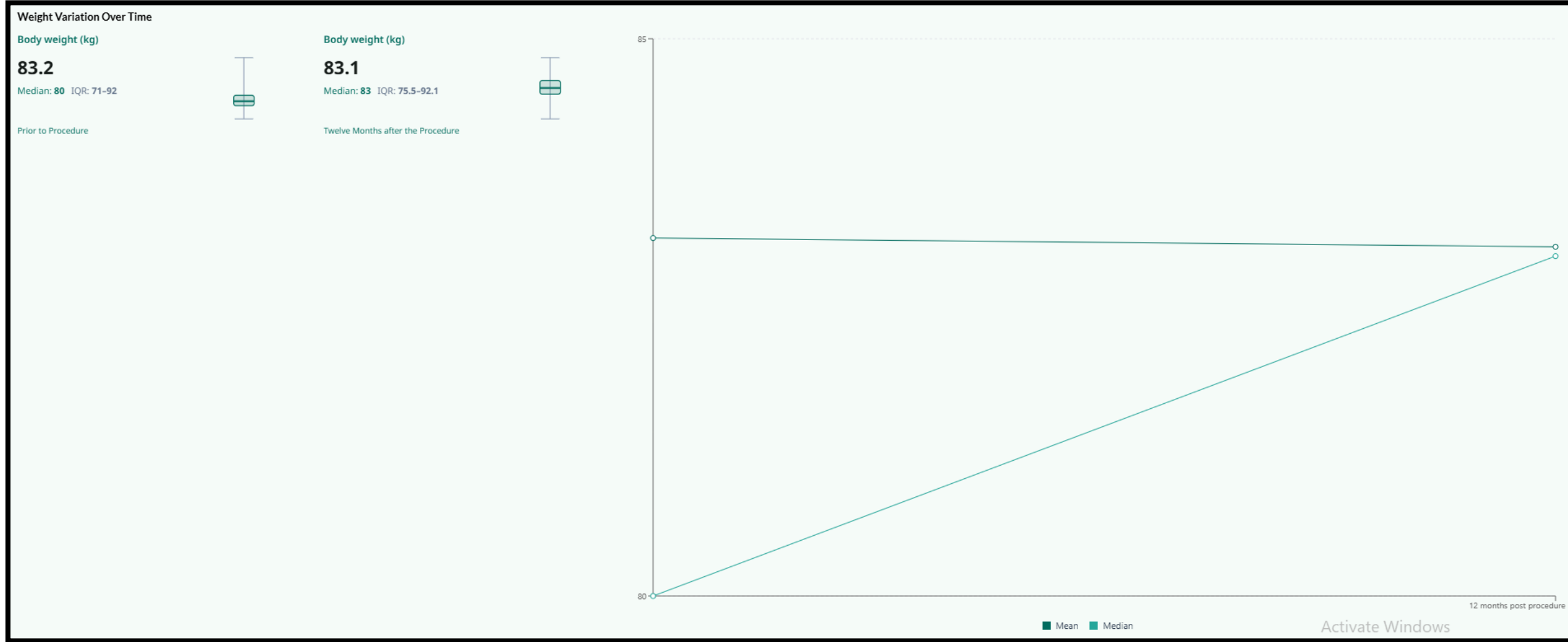


PROMS – Average PROMs Score per Timepoint

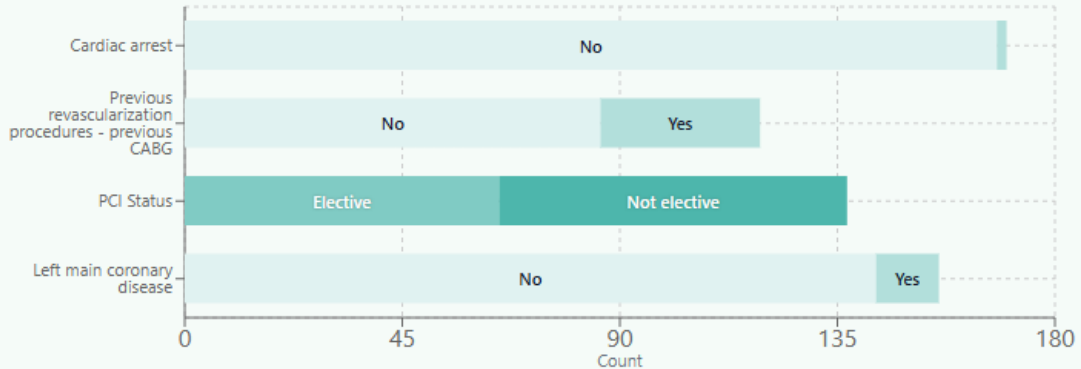
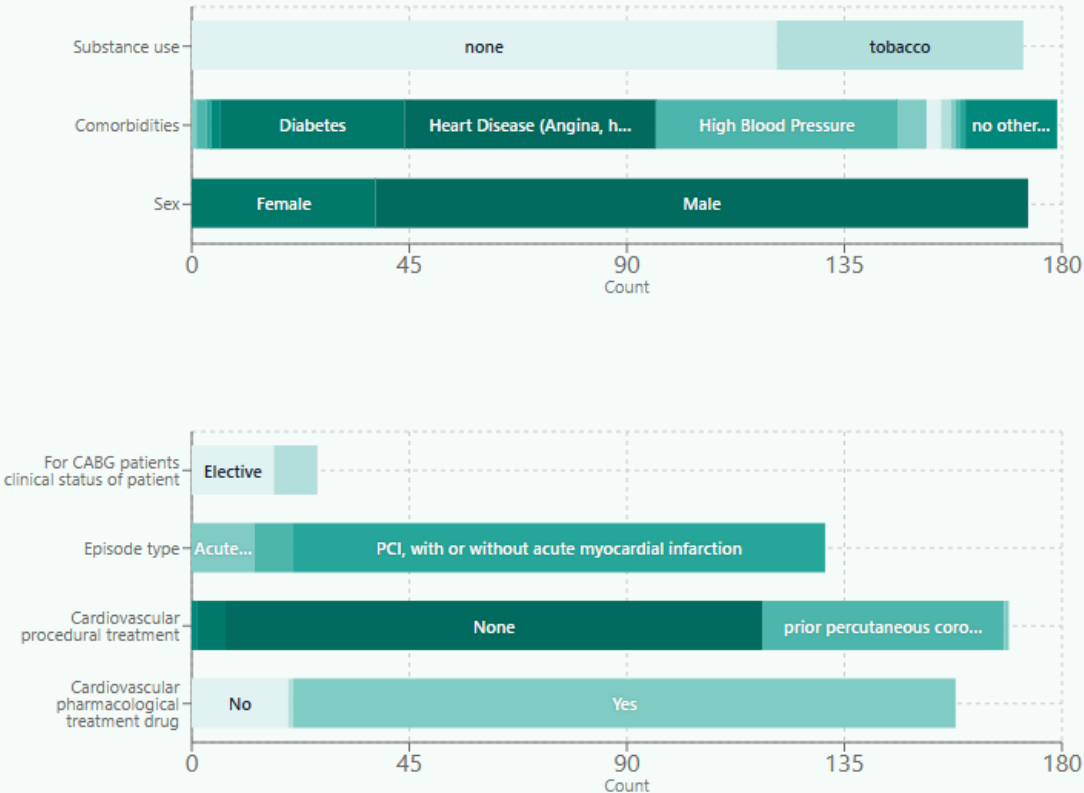


Continuous Values

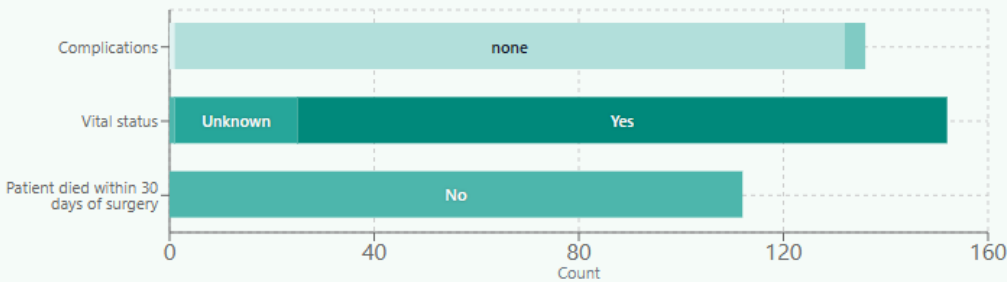
serum creatinine 1.2 Median: 0.9 IQR: 0.7-1.1 Prior to Procedure 	absolute value of troponin 631.7 Median: 83.3 IQR: 10.3-533 Prior to Procedure 	body height (cm) 165.2 Median: 166 IQR: 160-173 Prior to Procedure 	absolute value of troponin 23 Median: 10.3 IQR: 7-12.5 Twelve Months after the Procedure 
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Prior to Procedure



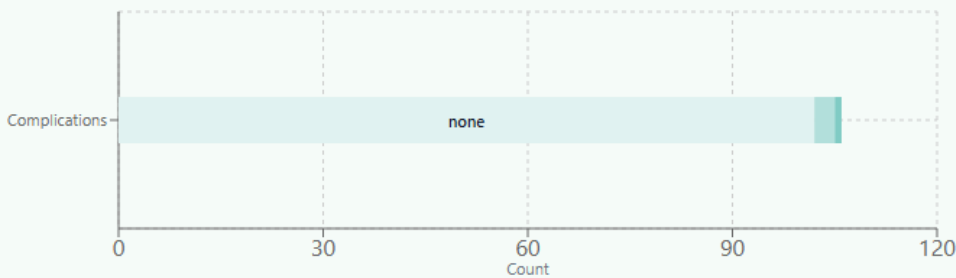
One Month Post Procedure



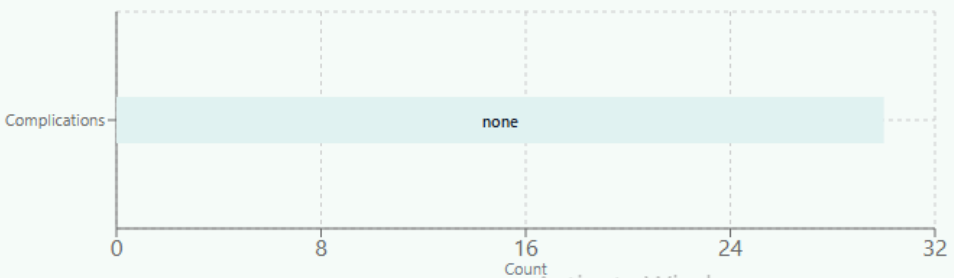
Three Months Post Procedure



Six Months Post Procedure



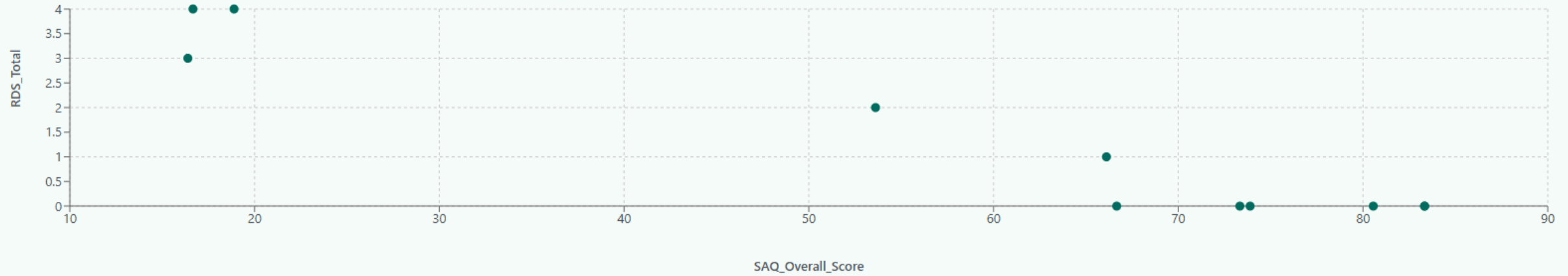
Twelve Months after the Procedure



Key Insights

PROMs Pre Operation

SAQ Score & Rose Dyspnea Scale

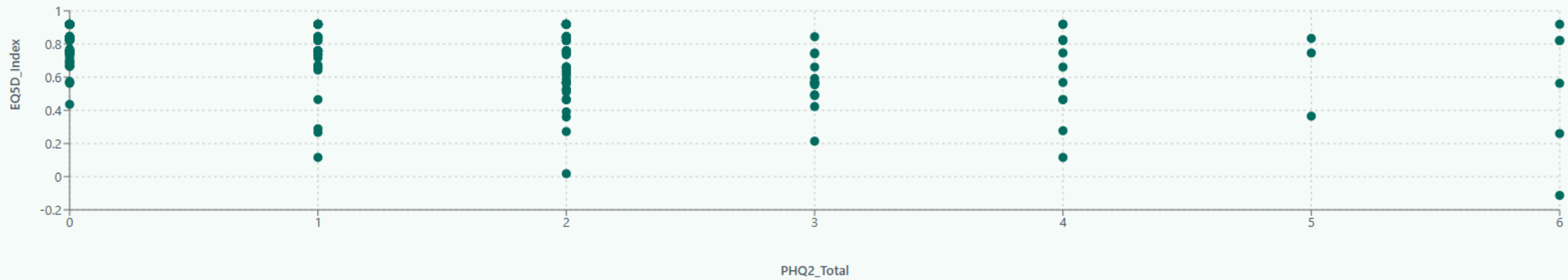


PHQ-2 Score & SAQ Score



Key Insights

PHQ2 Score & EQ-5D-3L

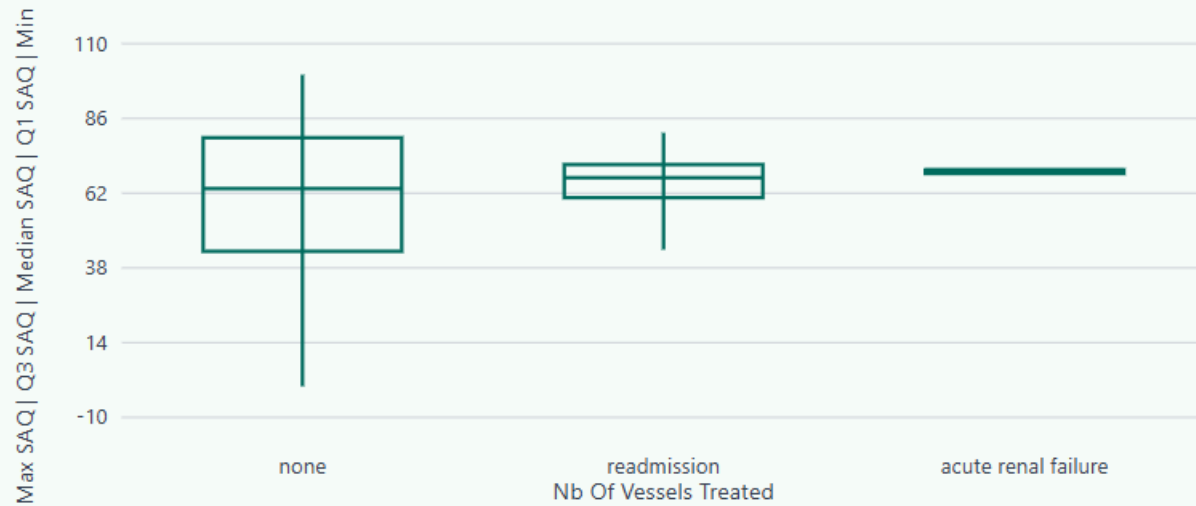


Key Insights

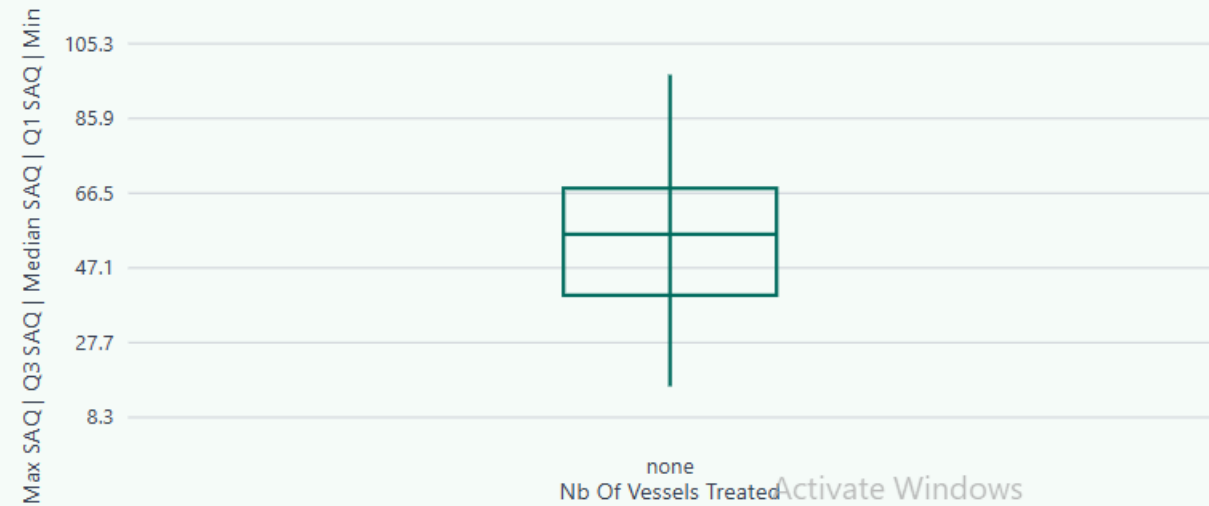
Number of Vessels Treated

Post Operation Complications

SAQ Score & Complications



SAQ Score & Complications



Activate Windows

Thank you

