



Consortium Performance as of Q2 2022

Figure 1

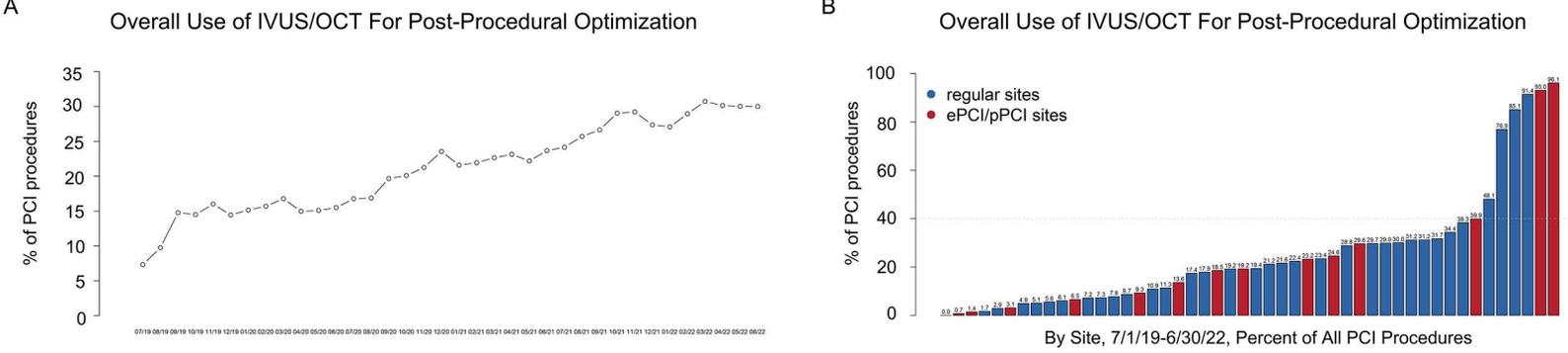
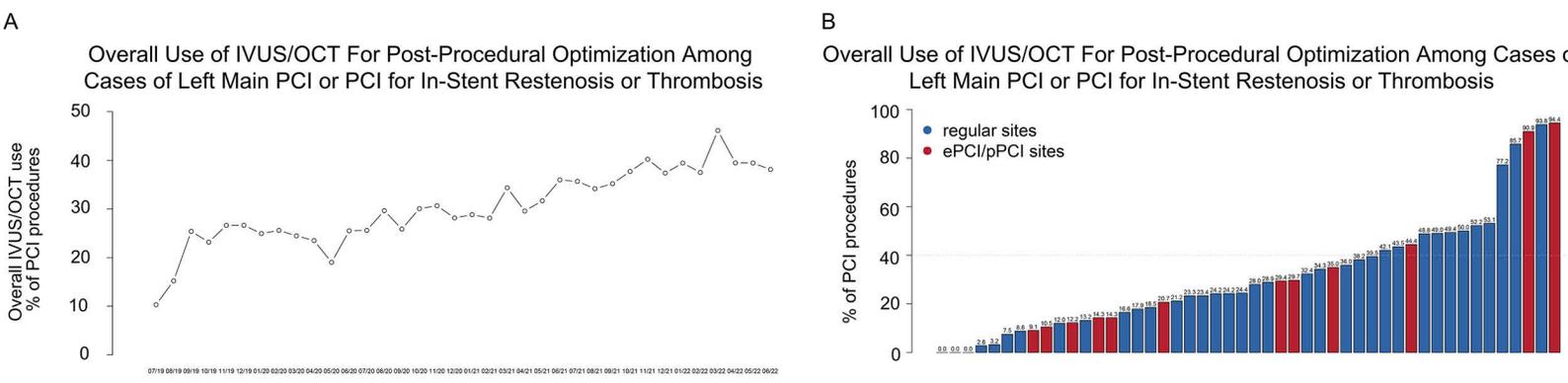


Figure 2



2023 P4P Goal

Use of IVUS/OCT for stent optimization, $\geq 40\%$ in either all cases OR $\geq 40\%$ in cases involving the left main coronary artery, in-stent restenosis, or stent thrombosis

IVUS/OCT for stent optimization in all cases

Numerator:
Number of procedures where IVUS/OCT was utilized after PCI portion of procedure underway (BMC2 PCI IVUS/OCT post PCI = "Yes")

Denominator:
Total procedures

Exclusion:

- Brachytherapy = NCDR #8027/8028 "Intracoronary Device(s) Used" = any device labeled as "Brachy Therapy" via NCDR ICD Device Master list.

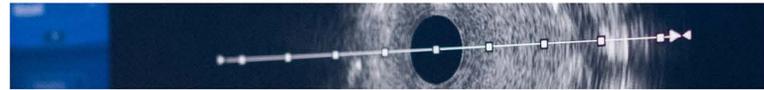
IVUS/OCT for stent optimization in cases involving the left main coronary artery, in-stent restenosis, or stent thrombosis

Numerator:
Number of procedures where IVUS/OCT was utilized after PCI portion of procedure underway (BMC2 PCI IVUS/OCT post PCI = "Yes")

Denominator:
Procedures with treated segment of left main (LM) disease (NCDR #7507 segment 11a, 11b, 11c) and/or NCDR #8008 "Previously treated Lesion" = "Yes" and NCDR #8010 "Treated with Stent" = "Yes" with either or both of the following being selected NCDR#8011 "In-Stent Restenosis" = "Yes", NCDR#8012 "In-Stent Thrombosis" = "Yes"

Exclusion:

- Brachytherapy = NCDR #8027/8028 "Intracoronary Device(s) Used" = any device labeled as "Brachy Therapy" via NCDR ICD Device Master list.



Best Practice Protocols



BMC2:
[Use of IVUS/OCT](#)



SCAI:
[Practical Aspects of IVUS-Guided Percutaneous Coronary Intervention](#)

Videos



[IVUS step-by-step \(9 minutes\)](#)



[OCT step-by-step \(17 minutes\)](#)

Guidance Document



[2021 ACC/AHA/SCAI Guideline for Coronary Artery Revascularization: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines](#)

Publications



[Intracoronary optical coherence tomography: state of the art and future directions](#)

Ali ZA, Karimi Galougahi K, Mintz GS, Maehara A, Shlofmitz RA, Mattesini A.

1.EuroIntervention. 2021 Jun 11;17(2):e105-e123. doi: 10.4244/EIJ-D-21-00089. PMID: 34110288.



[Rates of Intracoronary Imaging Optimization in Contemporary Percutaneous Coronary Intervention: A Report From the BMC2 Registry](#)

Madder RD, Seth M, Sukul D, Alraies MC, Qureshi M, Tucciarone M, Saltiel F, Qureshi MI, Gurm HS

1.Circ Cardiovasc Interv. 2022 Oct;15(10):e012182. doi: 10.1161/CIRCINTERVENTIONS.122.012182. Epub 2022 Oct 18. PMID: 36256694.



[Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions](#)

Räber L, Mintz GS, Koskinas KC, Johnson TW, Holm NR, Onuma Y, Radu MD, Joner M, Yu B, Jia H, Meneveau N, de la Torre Hernandez JM, Escaned J, Hill J, Prati F, Colombo A, di Mario C, Regar E, Capodanno D, Wijns W, Byrne RA, Guagliumi G; ESC Scientific Document Group.

Eur Heart J. 2018 Sep 14;39(35):3281-3300. doi: 10.1093/eurheartj/ehy285. Erratum in: Eur Heart J. 2019 Jan 14;40(3):308. PMID: 29790954.



[Intravascular Imaging-Guided Percutaneous Coronary Intervention: A Universal Approach for Optimization of Stent Implantation](#)

Shlofmitz E, Ali ZA, Maehara A, Mintz GS, Shlofmitz R, Jeremias A.

1.Circ Cardiovasc Interv. 2020 Dec;13(12):e008686. doi: 10.1161/CIRCINTERVENTIONS.120.008686. Epub 2020 Nov 25. PMID: 33233934.