Supplementary material

Supplementary legends

Supplementary Figure 1. Disease courses at Rigshospitalet from 2017 to 2021 for Greenlandic patients
The figure shows disease courses at Rigshospitalet separated into hospitalizations and outpatient visits – also when hospitalization and an outpatient visit were present with a 30 days period (see methods), whereas figure 1 shows number of disease courses within 30-day periods irrespective of whether the patient was admitted to hospital of seen in out-patient clinics of had a course with a mixture of the two. On this basis the sum of hospitalizations does not corresponds to the figures in Figure 1.

Supplementary Figure 2.a. Unique patients and disease courses at Rigshospitalet from 2017 to 2021 divided by age groups (both hospitalized and outpatient visits). Supplementary Figure 2.b. Unique patients and disease courses at Rigshospitalet from 2017 to 2021 divided by gender (both hospitalized and outpatient visits)
We observed a slight overweight of male patients being transferred from Greenland to Rigshospitalet. Regarding unique patients and disease courses we observed no substantial difference between unique patients versus disease courses between any age-group

Supplementary Figure 3. Top 3 departments by size for each center at Rigshospitalet from 2017 to 2021
The figure illustrates the 3 departments from each center at Rigshospitalet receiving the most patients. This gives an indication of the distribution of the reasons (diagnoses) for referrals. The centre of head and orthopedics receieves most patients across all centers.

Supplementary Figure 4. Referrals from Greenland to The Heart Centre, Rigshospitalet (disease courses) with heart diseases from 2017 to 2021
The trend in referrals due to heart diseases (measured as number of disease courses) from Greenland was similar to the overall trend in referrals with increases from 2017 to 2019 and hereafter a slight decrease, which might have be related to COVID-19.

Supplementary Figure 5. Unique patients with ischemic heart disease at The Heart Centre from 2017 to 2021 divided by age groups and gender
For ischemic heart diseases the majority of unique patients transferred from Greenland were males, dominated by the patients in the age-group of 55-64 years.

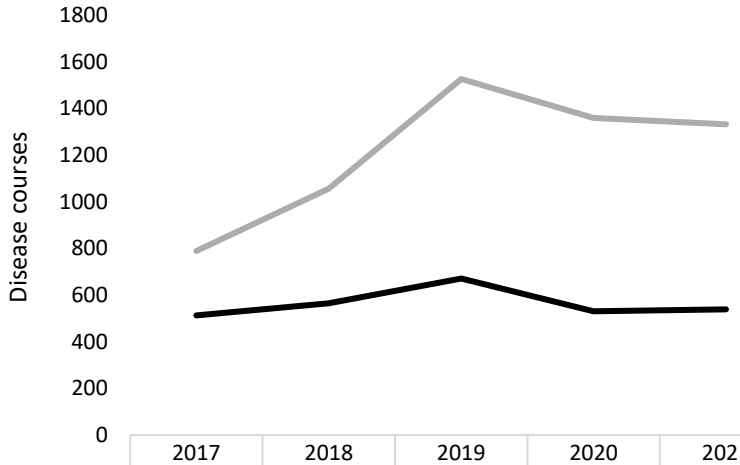
Supplementary Figure 6. CAG procedures performed in patients referred from Greenland to The Heart Centre, Rigshospitalet (disease courses) from 2017 to 2021
Post COVID numbers will be interesting to see.

Supplementary Figure 7. Overview of computerized tomography coronary angiograms (CT-CAG) conducted in Greenland Nuuk
From 2008 until 2016 CT-CAG were conducted with Philips Brilliance, and the scanner was upgraded in 2017 to a Toshiba Aquilion One.

Supplementary Figure 8. CABG and PCI procedures performed in patients referred from Greenland to The Heart Centre, Rigshospitalet (disease courses) from 2017 to 2021
PCI procedure codes; KFNG02, KFNG02A, KFNG05, KFNG05A, UFYA20, UXUC85 and UXUC87. CABG is characterized by KFNA00, KFNC10, KFNC20 and KFNC30.

Supplementary Figure 9. Unique patients with PCI and CABG at The Heart Centre from 2017 to 2021 divided by age group
The figure illustrates the age-related percutaneous coronary interventions (PCI) and coronary artery bypass grafting (CABG) procedures at Rigshospitalet in patients referred from Greenland.

Supplementary Figure 1. Disease courses at Rigshospitalet from 2017 to 2021 for Greenlandic patients

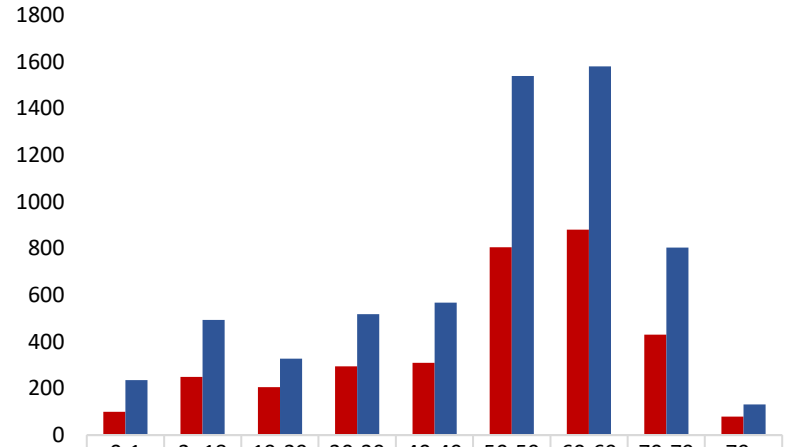


	2017	2018	2019	2020	2021
Outpatient visit	789	1056	1526	1359	1332
Hospitalized	513	565	671	530	539

The figure shows disease courses at Rigshospitalet separated into hospitalizations and outpatient visits – also when hospitalization and an outpatient visit were present with a 30 days period (see methods), whereas figure 1 shows number of disease courses within 30-day periods irrespective of whether the patient was admitted to hospital of seen in out-patient clinics of had a course with a mixture of the two. On this basis the sum of hospitalizations does not corresponds to the figures in Figure 1.

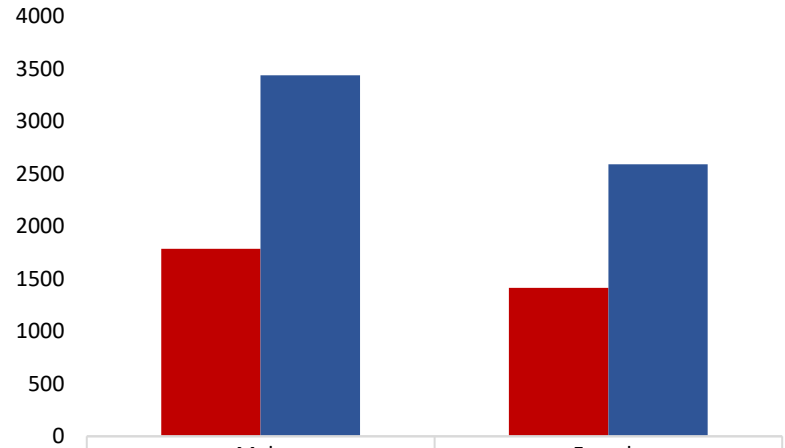
Supplementary Figure 2. Unique patients and disease courses at Rigshospitalet from 2017 to 2021 divided by A) age groups and B) gender (both hospitalized and outpatient visits)

Figure 2a



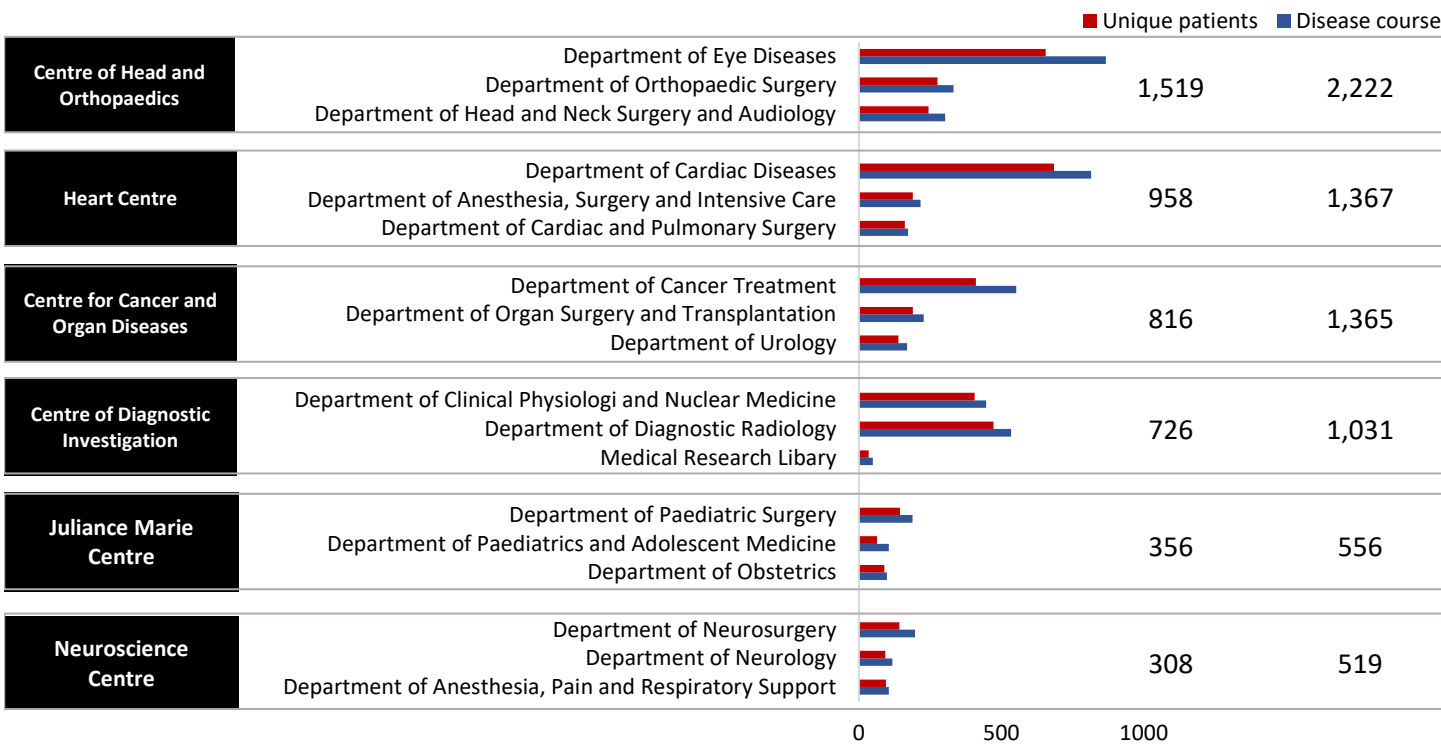
	0-1	2- 18	19-29	30-39	40-49	50-59	60-69	70-79	79+
Unique patients	100	249	205	295	310	805	880	430	79
Disease courses	236	494	327	518	567	1539	1580	803	132

Figure 2b

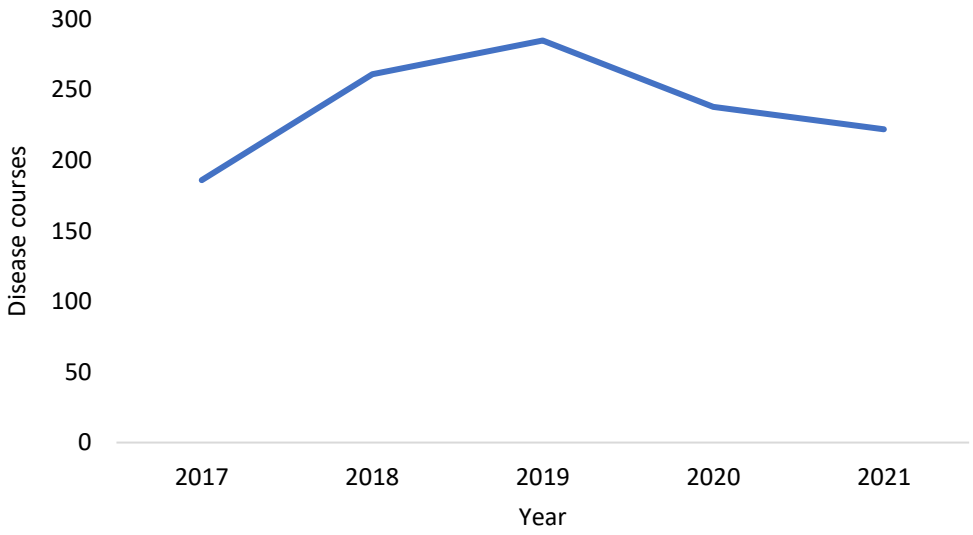


	Male	Female
Unique patients	1786	1415
Disease courses	3439	2590

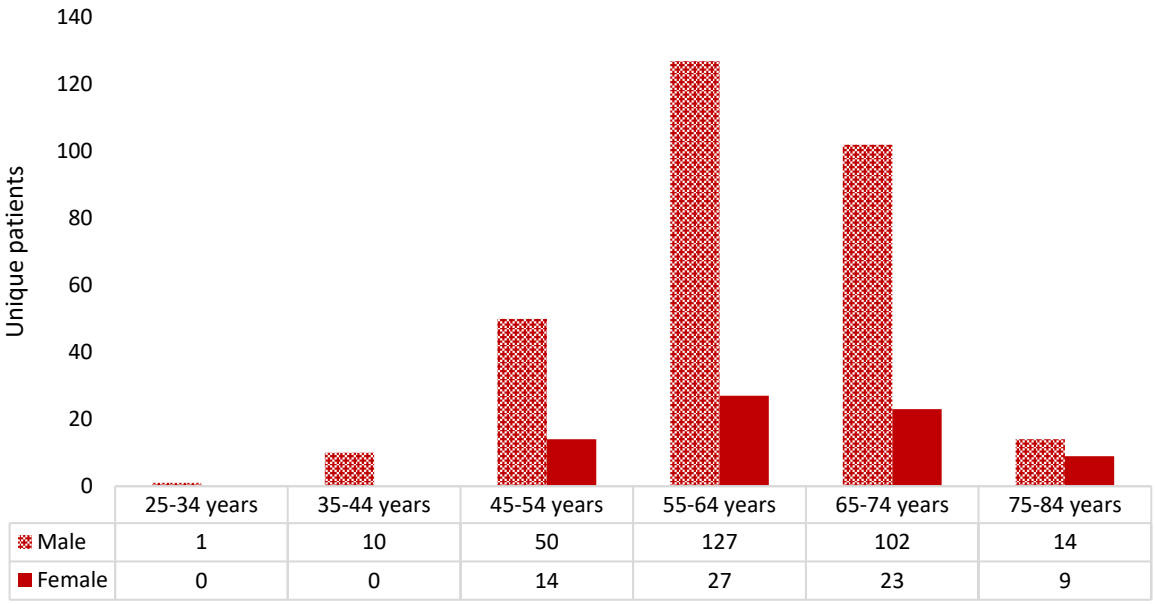
Supplementary Figure 3. "Top 3" departments by size for each center at Rigshospitalet from 2017 to 2021



Supplementary Figure 4. **Referrals from Greenland to The Heart Centre, Rigshospitalet (disease courses) with heart diseases from 2017 to 2021**

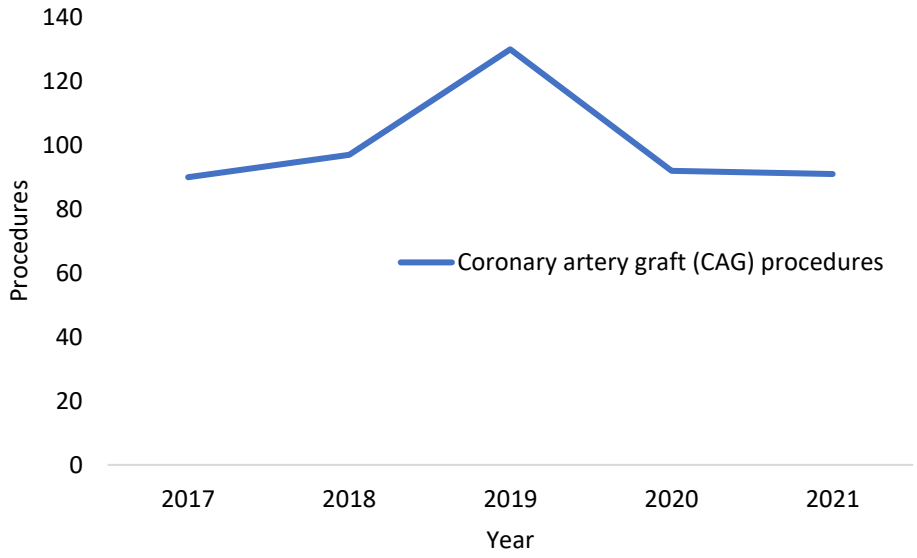


Supplementary Figure 5. Unique patients with ischemic heart disease at The Heart Centre from 2017 to 2021 divided by age groups and gender

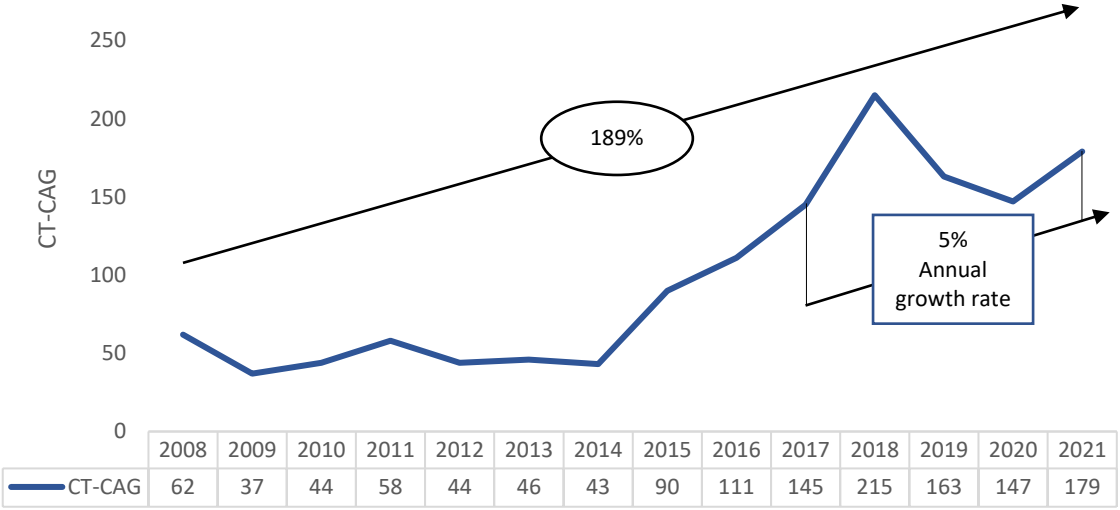


	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years
Male	1	10	50	127	102	14
Female	0	0	14	27	23	9

Supplementary Figure 6. **CAG procedures performed in patients referred from Greenland to The Heart Centre, Rigshospitalet (disease courses) from 2017 to 2021**



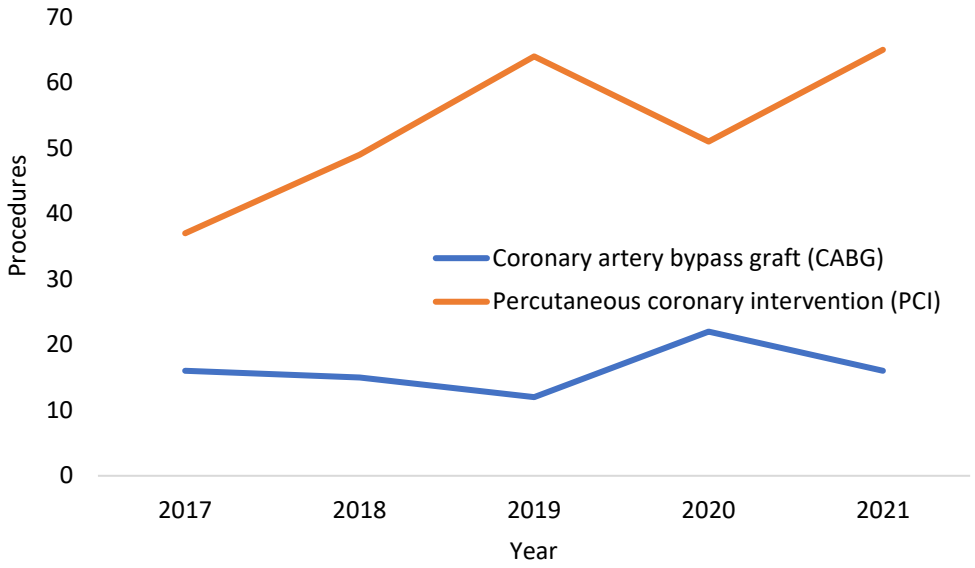
Supplementary Figure 7. Overview of computerized tomography coronary angiograms (CT-CAG) conducted at Dronning Ingrid's Hospital in Greenland Nuuk from 208 to 2021



	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CT-CAG	62	37	44	58	44	46	43	90	111	145	215	163	147	179

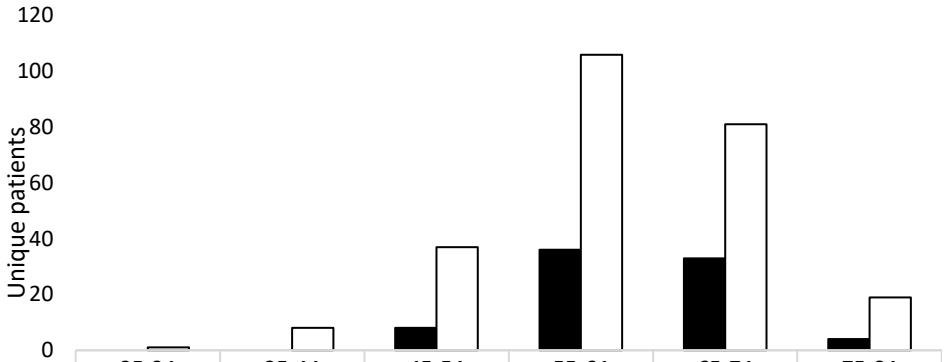
From 2008 until 2016 CT-CAG were conducted with Philips Brilliance, and the scanner was upgraded in 2017 to a Toshiba Aquilion One.

Supplementary Figure 8. **CABG and PCI procedures performed in patients referred from Greenland to The Heart Centre, Rigshospitalet from 2017 to 2021**



PCI procedure codes; KFNG02, KFNG02A, KFNG05, KFNG05A, UFYA20, UXUC85 and UXUC87. CABG is characterized by KFNA00, KFNC10, KFNC20 and KFNC30.

Supplementary Figure 9. Unique patients undergoing PCI or CABG at The Heart Centre from 2017 to 2021 divided by age group



	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years
■ Coronary artery bypass graft (CABG)	0	0	8	36	33	4
□ Percutaneous coronary intervention (PCI)	1	8	37	106	81	19