

# DRG and Case Costing Model for primary care, Sweden

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# Primary care in Swedish DRG system

- Introduced in 2017
- 304 open daycare DRG groups, most have 'No CC-' and 'CC' –level
- Mostly same as specialized open day care
- 25 incare groups, one per 'major diagnostic category'
- Some groups not included that is not possible in Swedish primary care (medical perspective)
- Special DRGs:
  - Home visits
  - Younger children's healthcare
  - Prescribed drug review
- Developed together with Special Open daycare when possible

## Primary care in Swedish DRG system, cont.

- News in Primary Care DRGs for 2023
- New DRGs
  - Hyposensibilization
  - Nurse DRGs, 23, one per MDC
- Major changes
  - DRGs for Diabetes changes age interval – 0-17 year, >17 year

### Future developments?

KPP 2021

Development of DRG for Vaccinations; More professions involved in vaccination than nurses.

Physiotherapist visits ~793 000. Divide to Backpain, Athoritis, Backproblem. ~200 000 missing Main diagnoses.

Midwives visits ~697 000. Divide in Birthcontrol, Contraceptive advice, Monitoring normal pregnancy. ~200 000 missing Main diagnoses.

Assistant Nurse ~542 000. Divide in Hypertension controll, Dressing wounds. ~400 000 missing Main diagnoses

# National case costing database

(In swedish: "Cost per patient database" KPP)

## 1. Information about patient

patient-id, care contact-id, sex, age, municipality

## 2. Information about healthcare provider

region, hospital/healthcare center, clinic/type of healthcare

## 3. Administrative information about the contact

dates for hospitalization, hospital leave, days in hospital, type of contact, healthcare profession and more...

## 4. Medical data

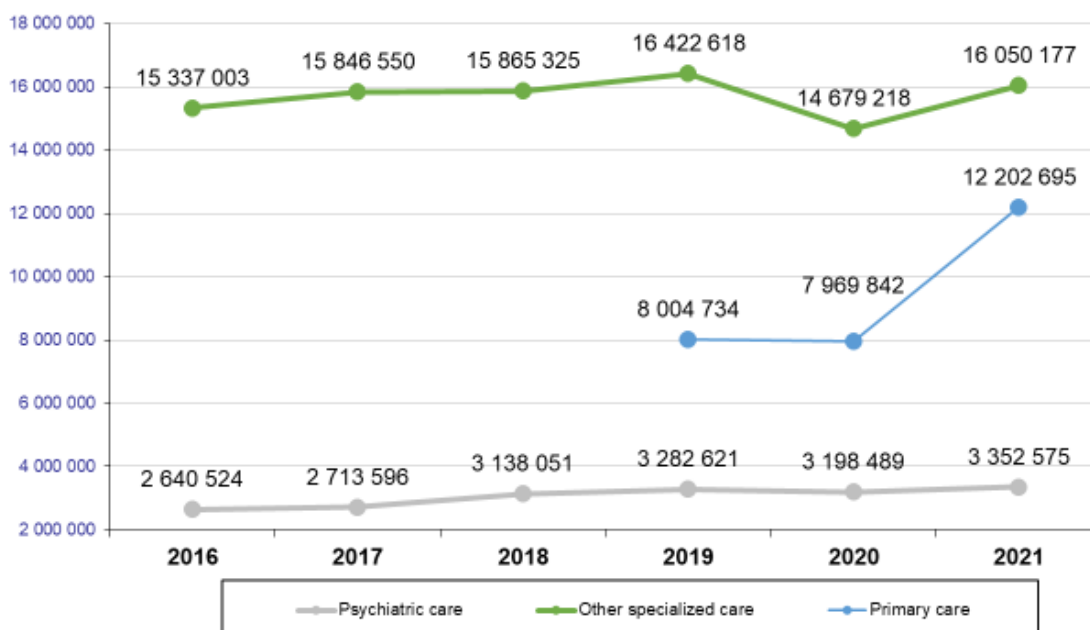
ICD-10-SE , surgical interventions, medical interventions, DRG & DRG-weights

## 5. Cost data, total and split in different subcategories

staff, overhead, expensive materials, pharmaceuticals, intensive care, diagnostics and more...

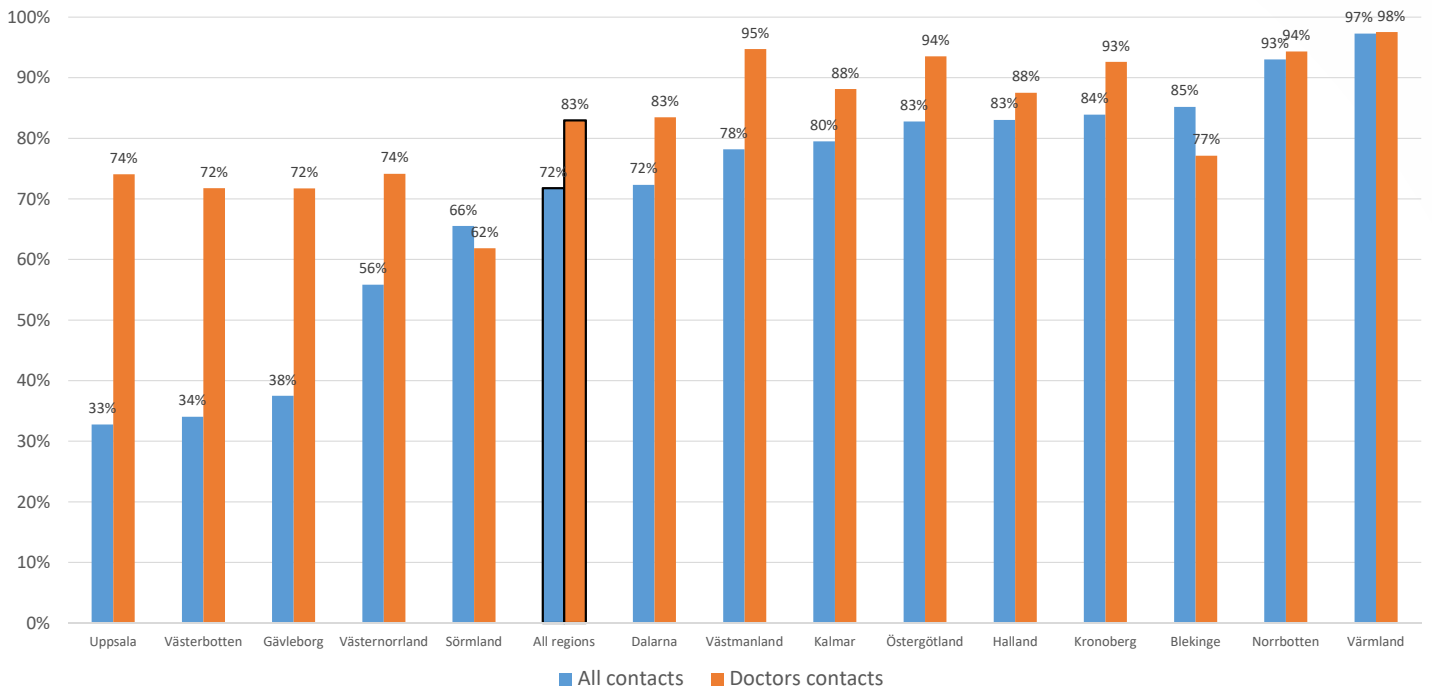
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## Number of outpatient contacts KPP-database 2016 - 2021



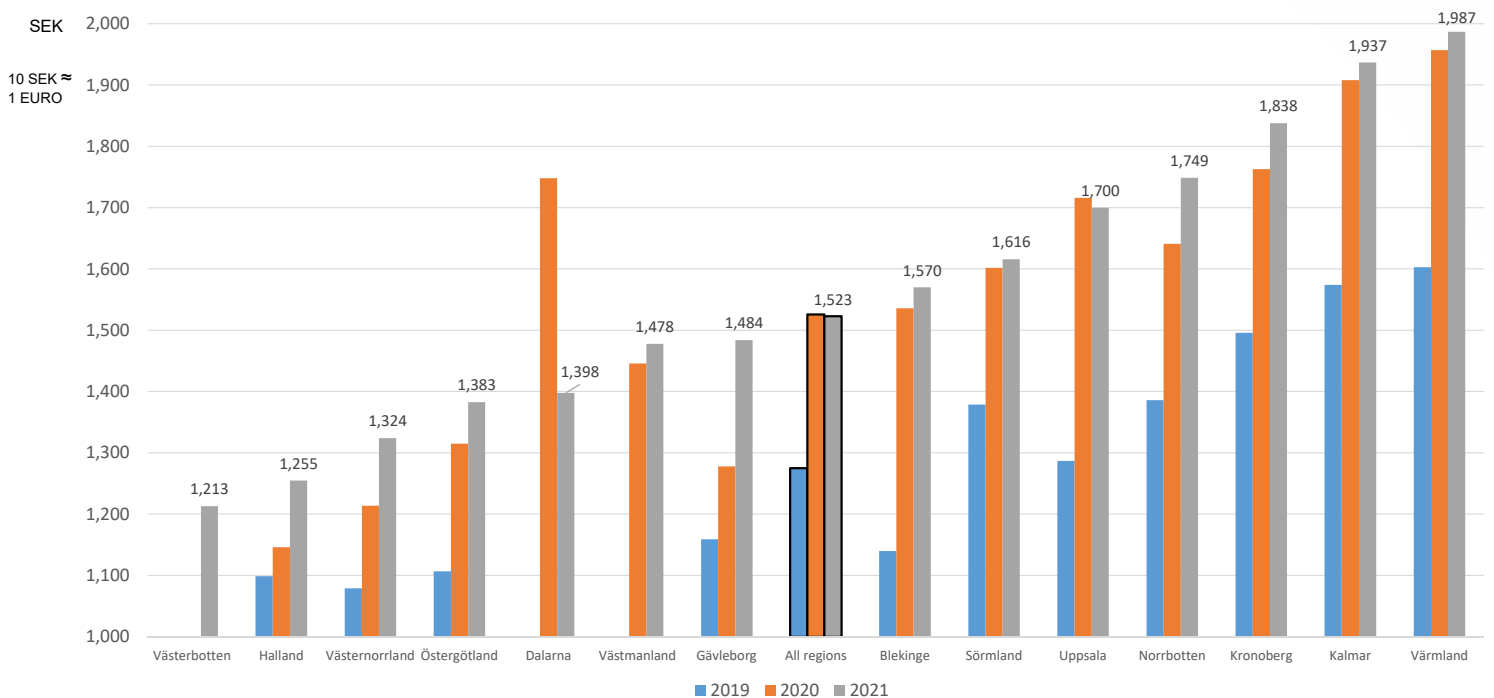
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## Portion of contacts with ICD-10 code, Primary care, 2021



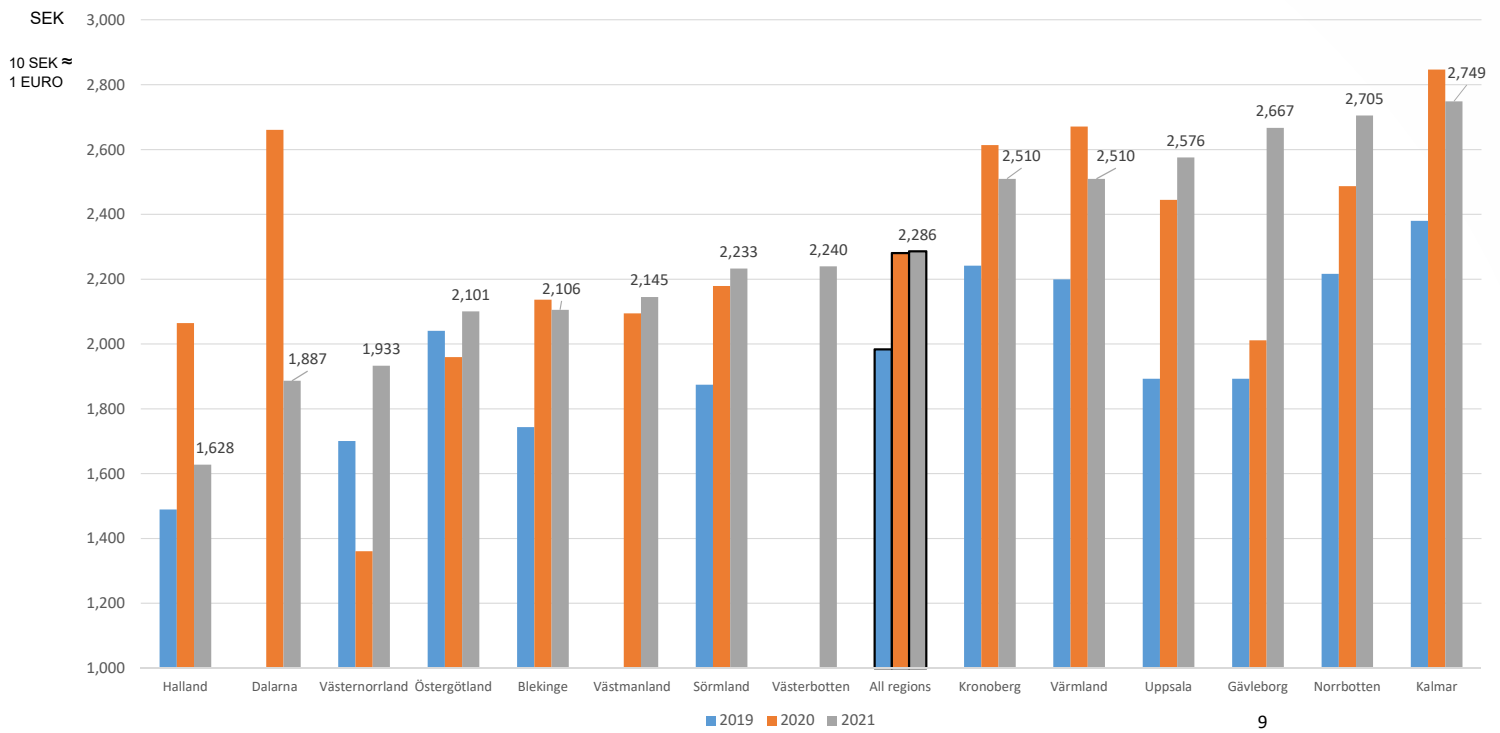
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## Primary care, average cost for all contacts, excl. covid-19-vaccinations

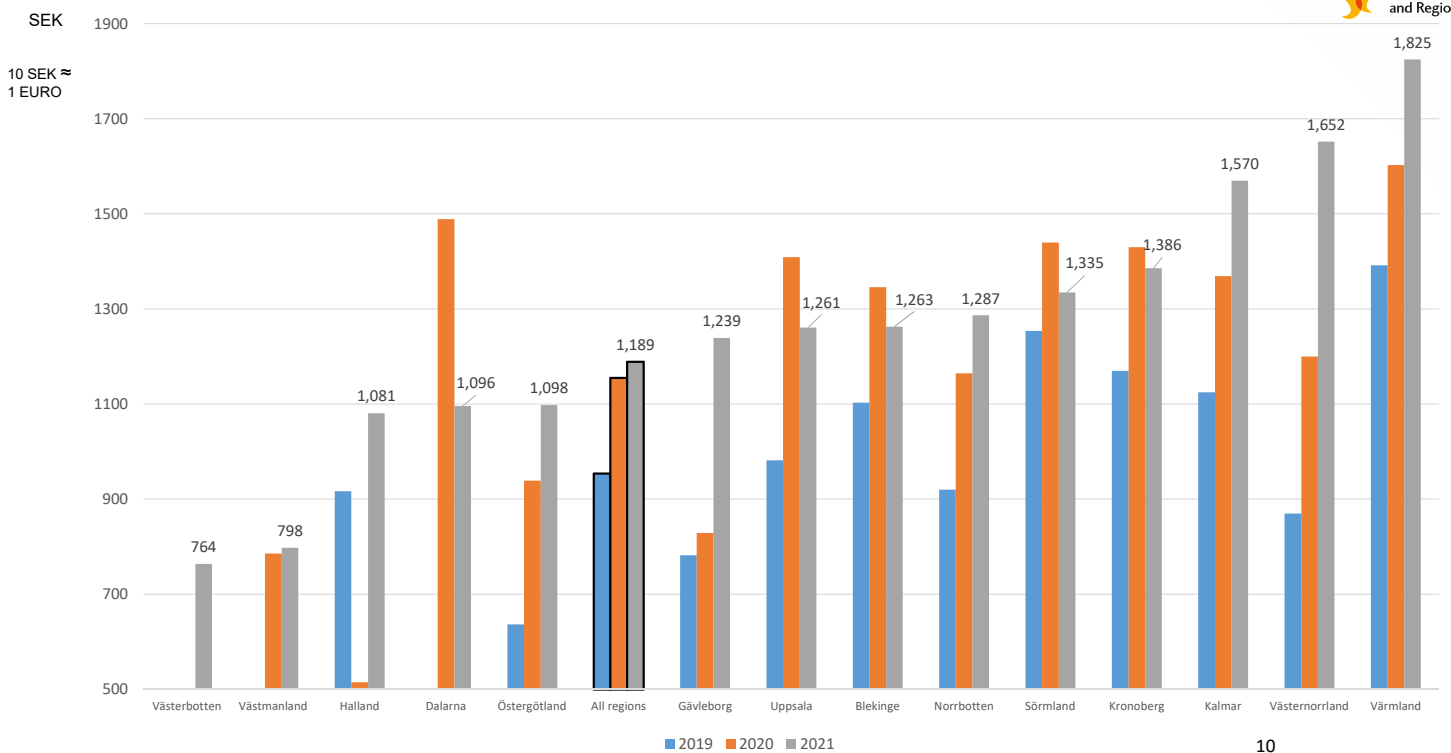


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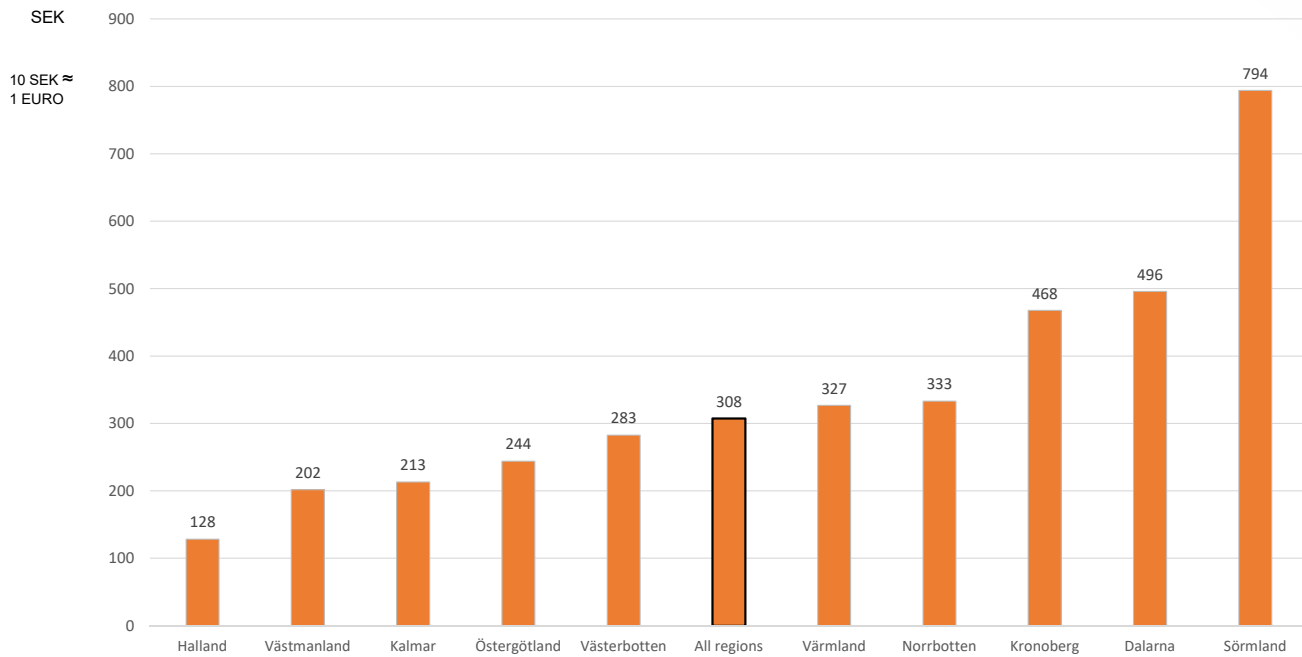
## Primary care, average cost for visits to doctor, excl. covid-19-vaccinations



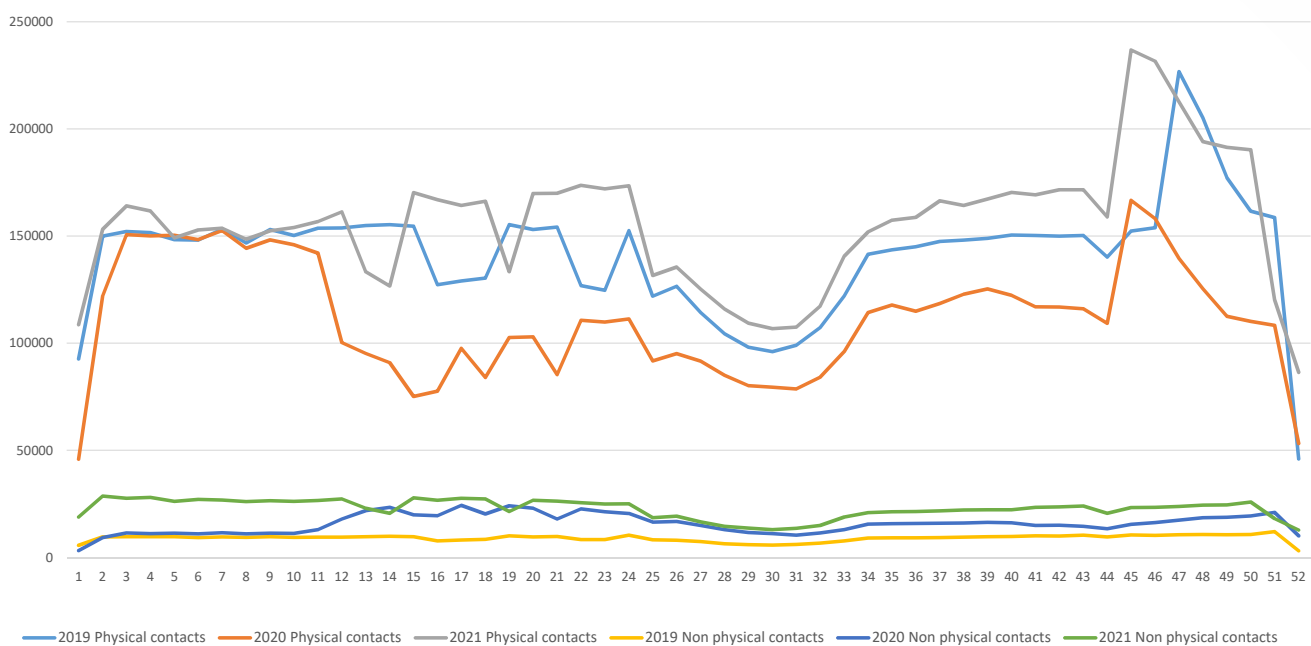
## Primary care, average cost for visits to nurse, excl. covid-19-vaccinations



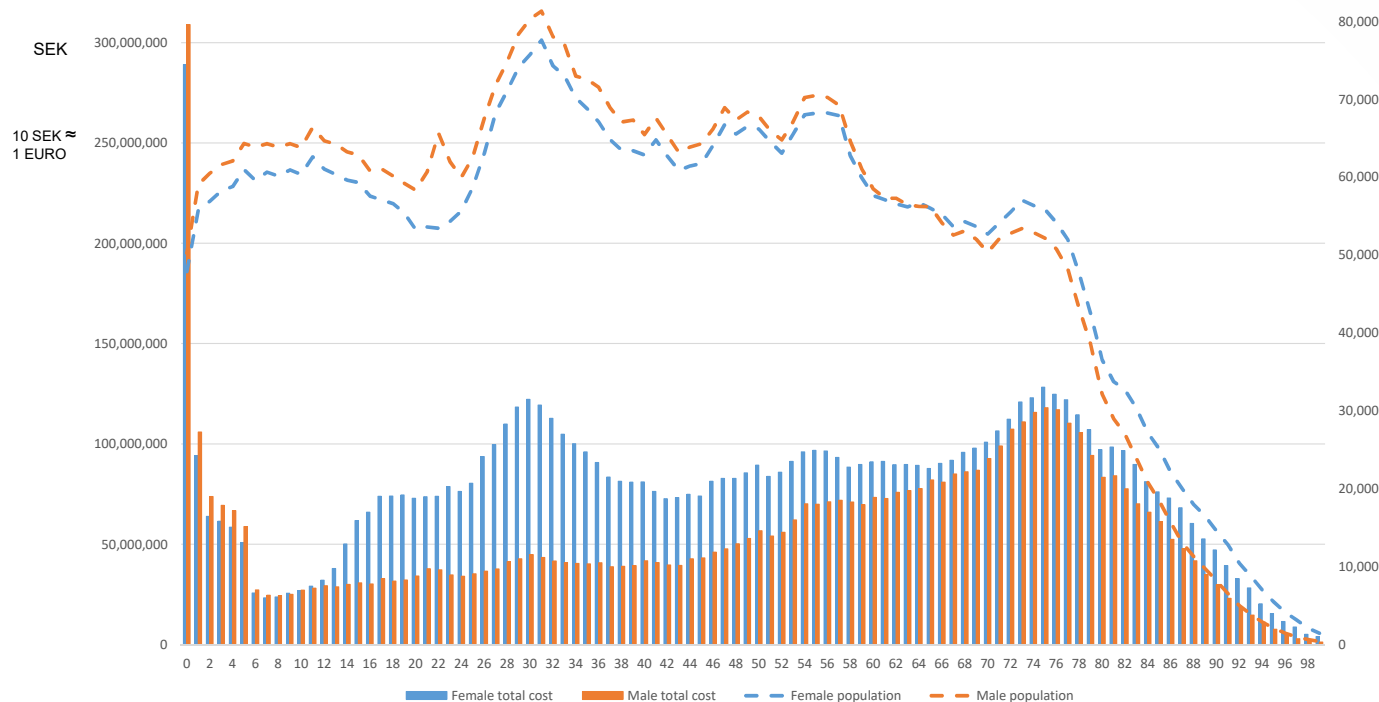
## Primary care, average cost for covid-19-vaccinations 2021, excl. cost for vaccine



## Primary care, contacts per week 2019-2021



## Total cost primary care in case costing database, per age and sex, 2021

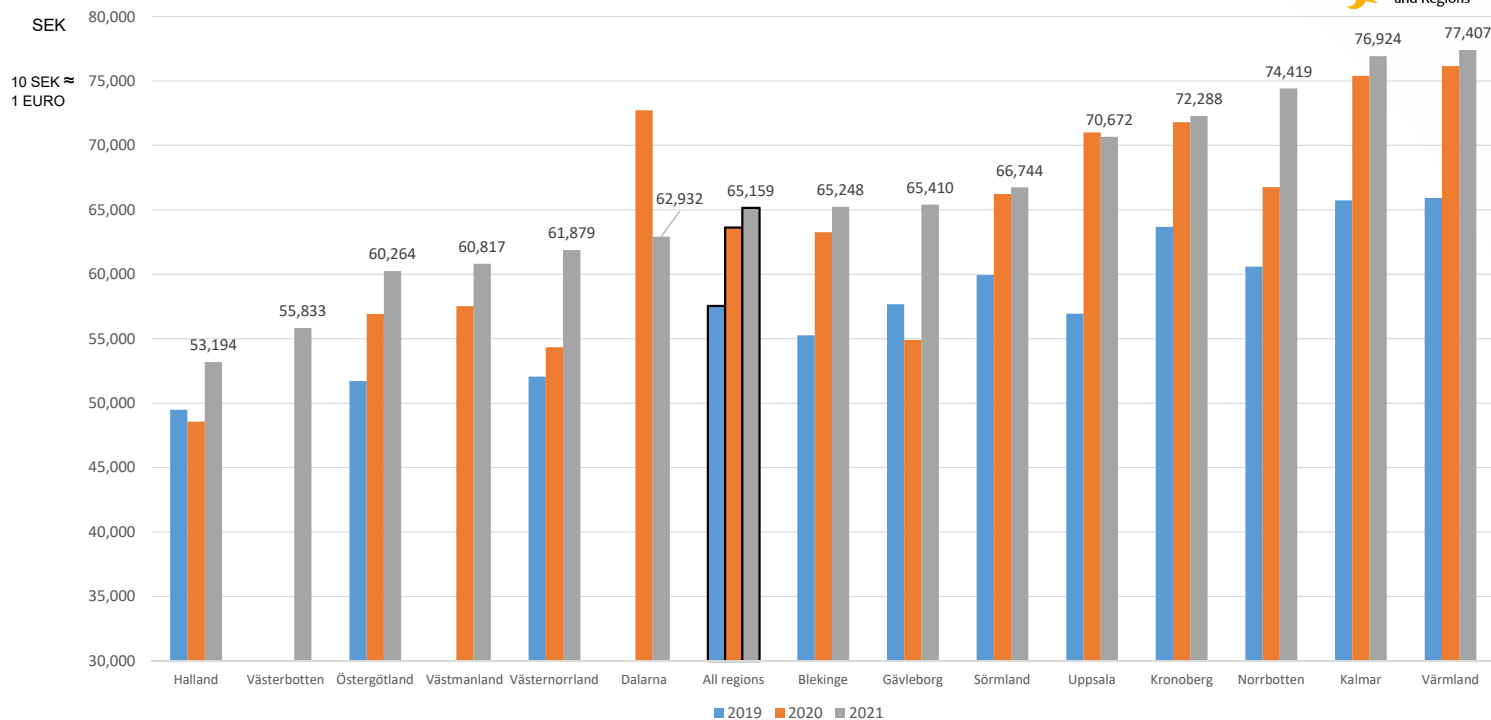


## Cost per DRG-weight

DRG are weighted with data from KPP database every year which is a way of estimating the case-mix.

Cost per DRG-weight is a way of estimating productivity. A low cost per DRG-weight means high productivity.

## Primary care, cost per DRG-weight, excl. covid-19-vaccinations



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# Questions?

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