



**SO REG**  
SCANDINAVIAN  
OBESITY REGISTER

# Bergen Obesity Day

25 May 2023

## GORD after Bariatric Surgery

An update from SOReg-S

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# **GORD after Bariatric Surgery**

## **An update from SOReg-S**

- Short presentation of SOReg-S
- Definition of GORD in SOReg
- Data from SOReg-S
- Gastrosocopy in SOReg-S
- Conclusion



# Scandinavian Obesity Surgery Registry - Sweden

## SOReg-S

- Quality Registry for Bariatric Surgery
- Started in 2007
- >88.000 operations, about 5000 new patients annually
- Preoperative data and Surgery data
- Follow-up at 6w, 1, 2, 5,10 and 15 years postoperatively
- Data include operation method, BMI, comorbidity, complications and PROM

# Can we trust data in SOReg?

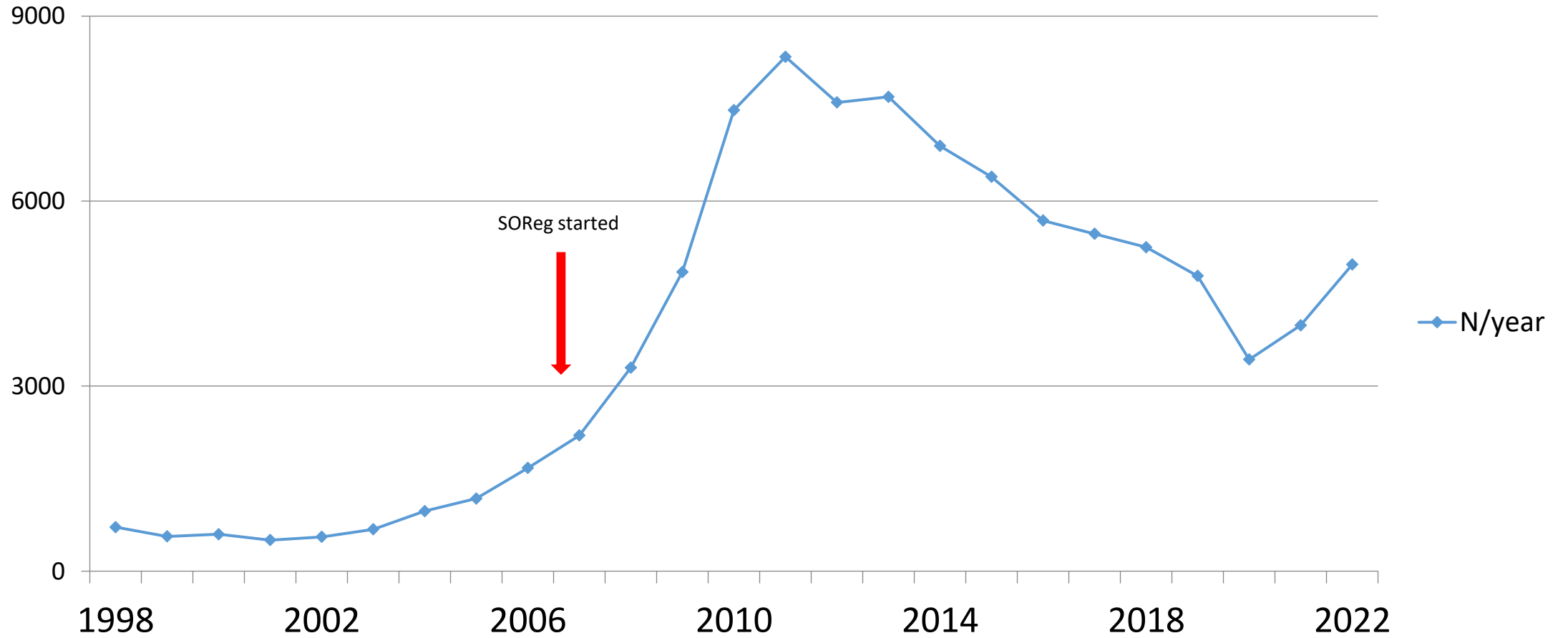
## Data validation

- >98% coverage ratio
- Built in blockage or warnings of impossible or unusual data
- Systematic search for unusual data or strange data combinations
- Regular comparison of register data with medical records
- >96% correct data

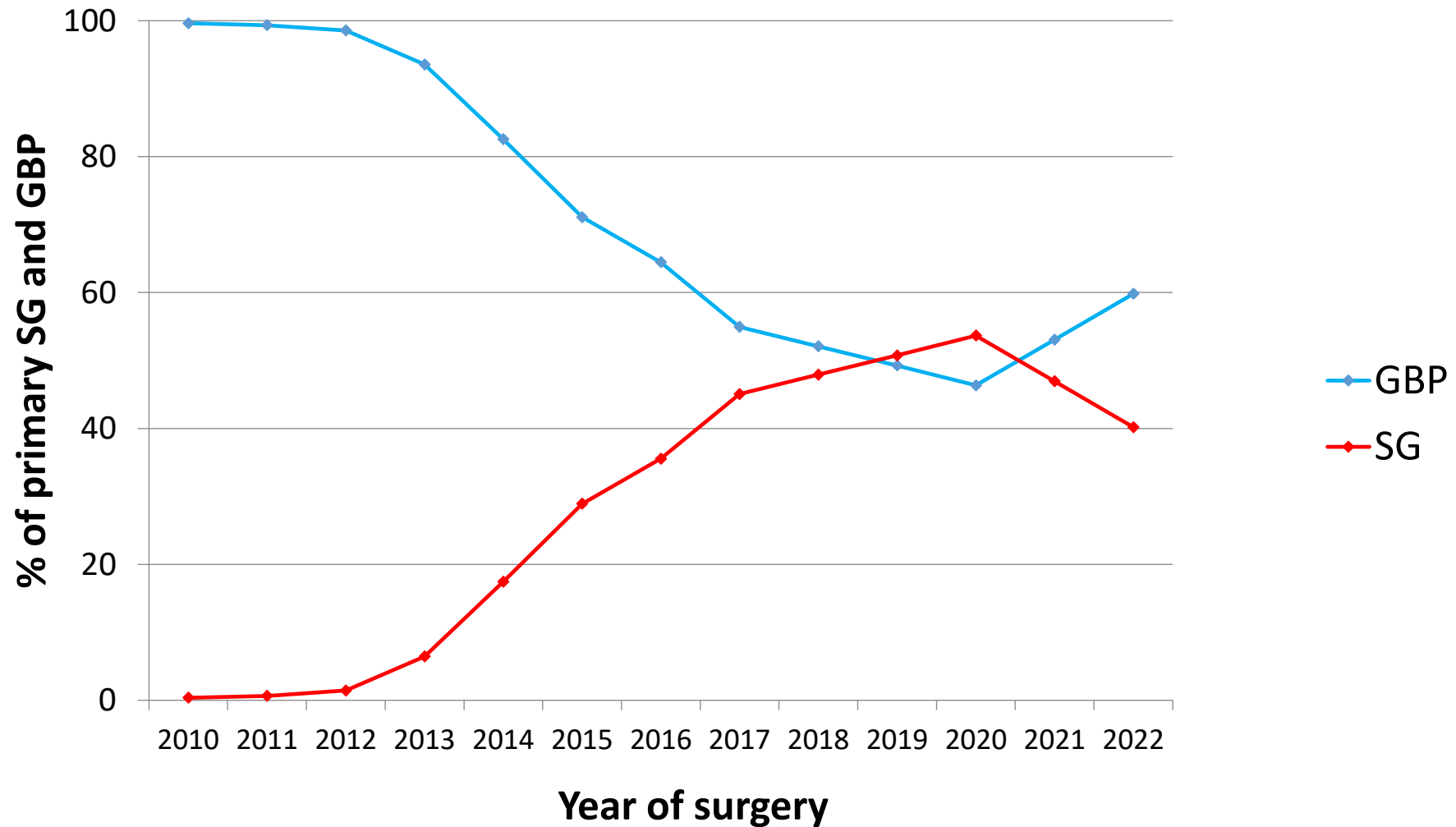
# Definition of GORD in SOReg

- In a quality register easy and robust definitions are preferable
- All comorbidities are defined the same way
- Daily medication = comorbidity
- Daily medication with PPI = GORD

# Operations/year Sweden

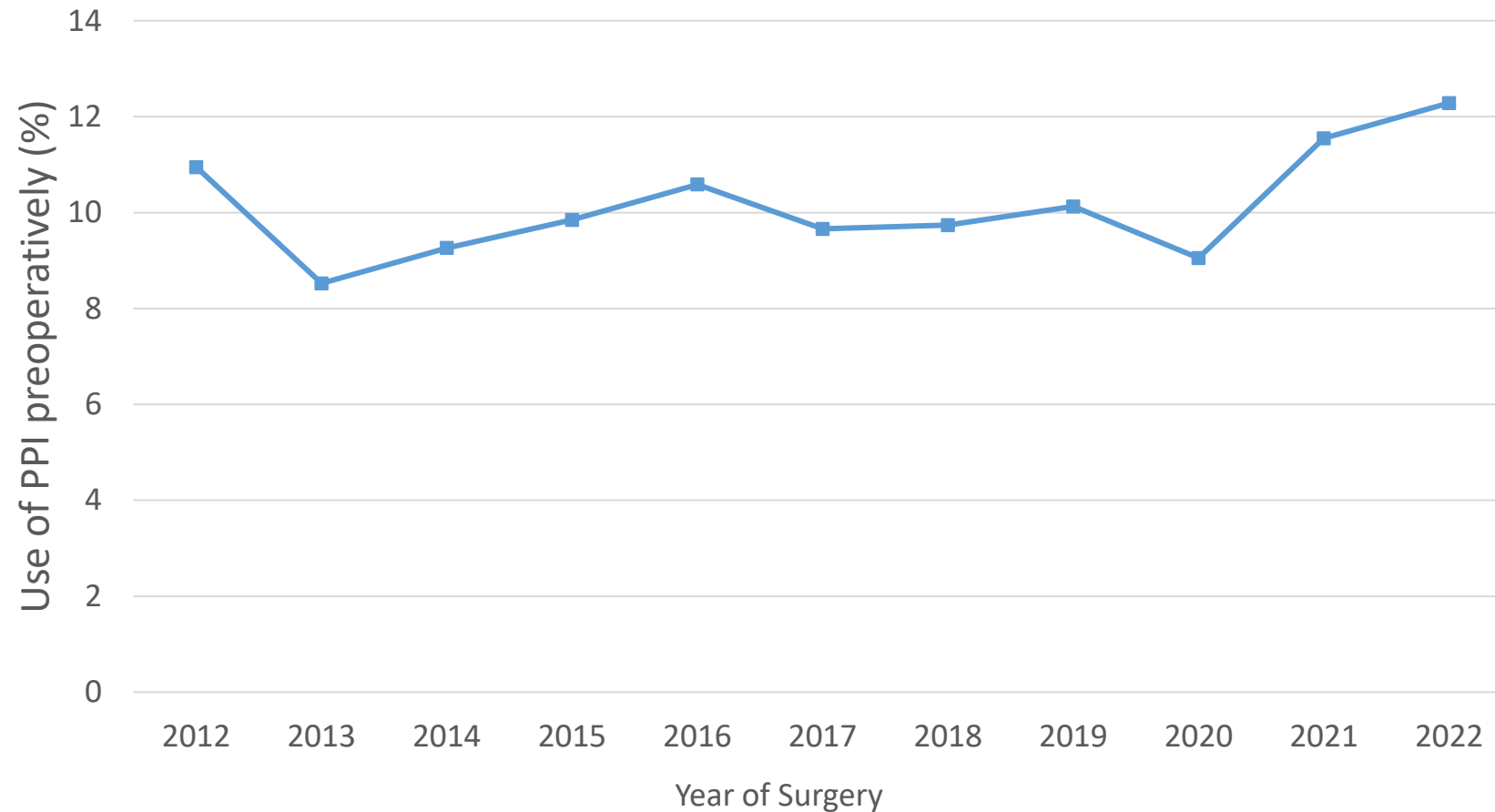


# Percentage SG and GBP in Sweden



# GORD in SOReg

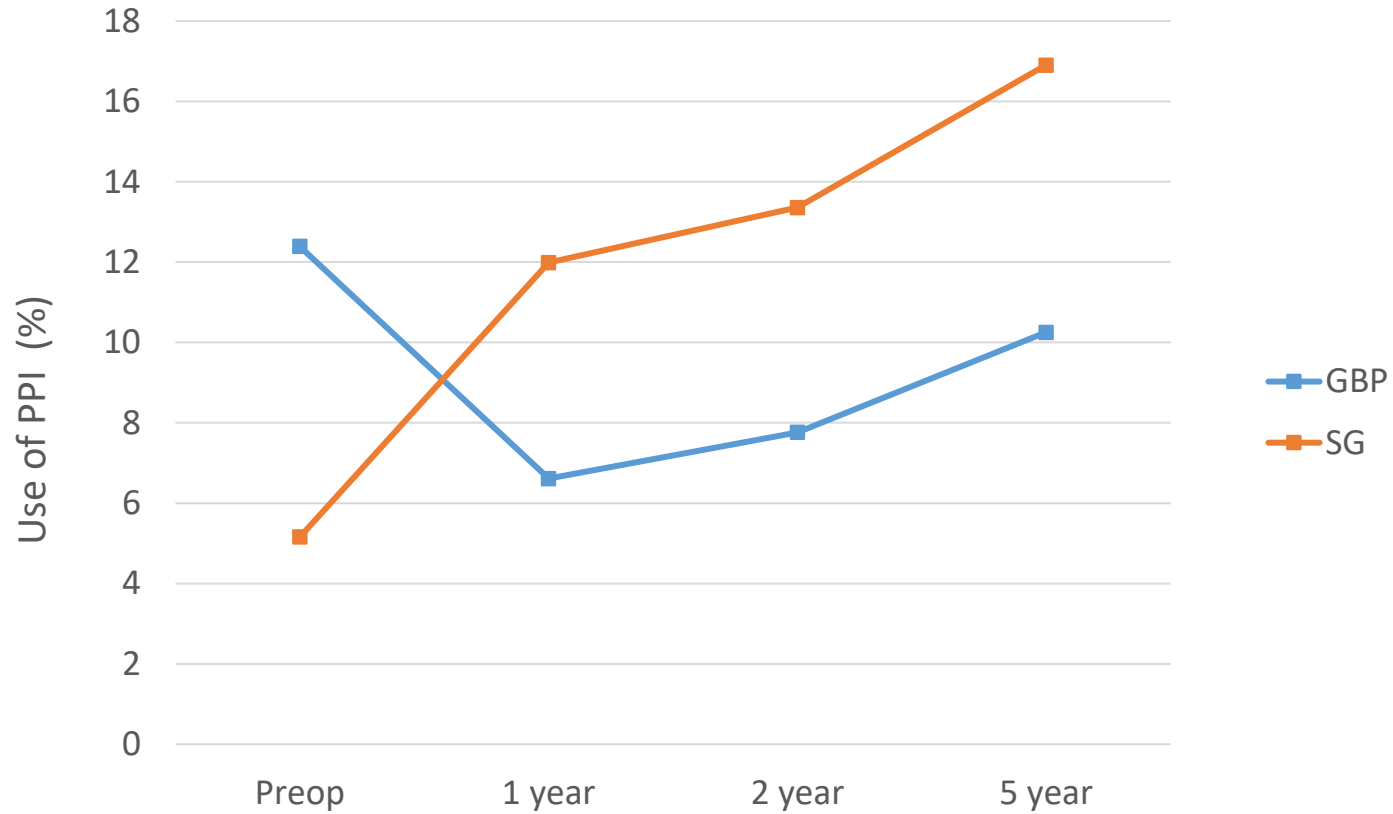
## Annual rate





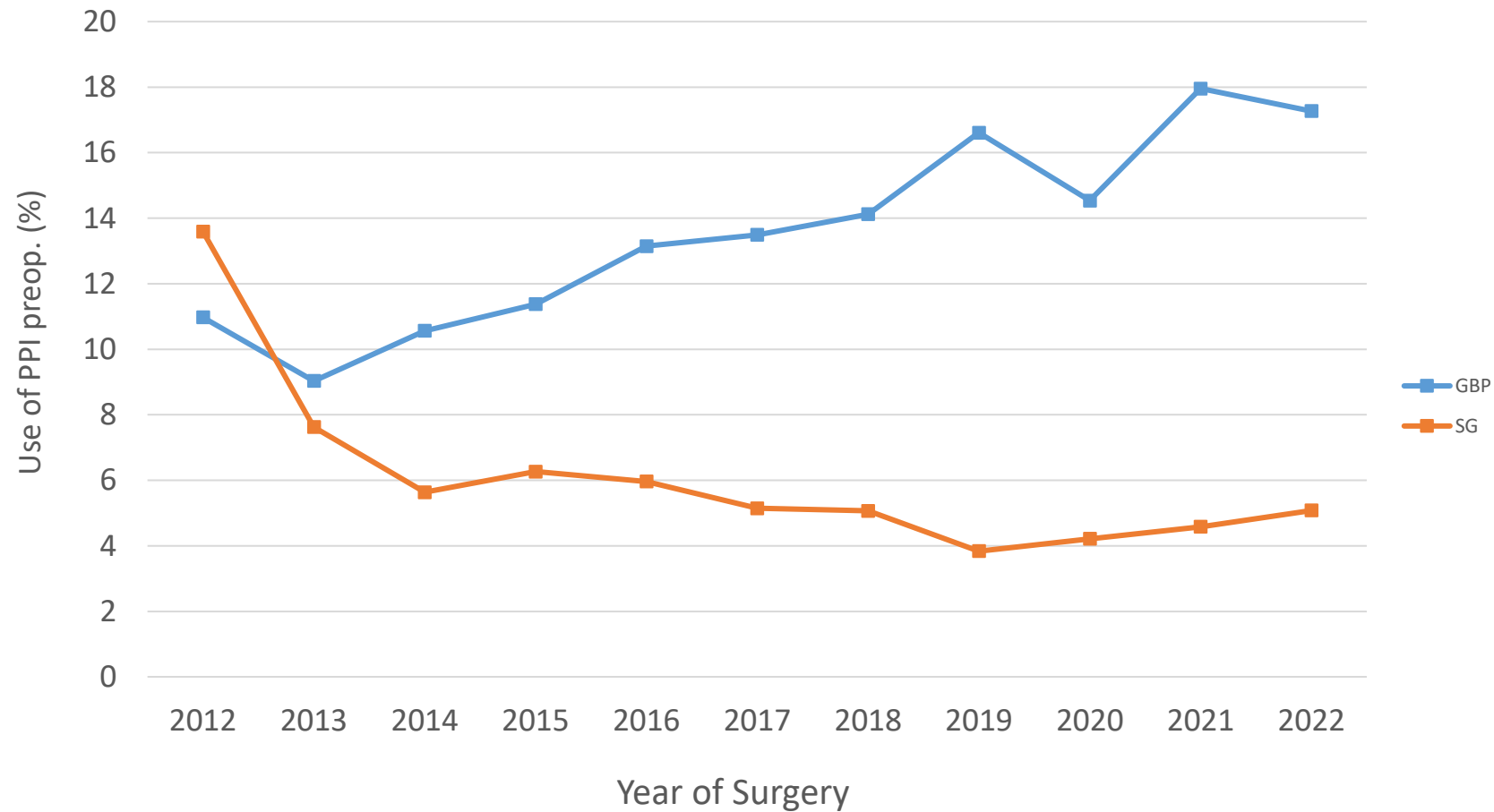
# GORD in SOReg

## Annual rate GBP and SG



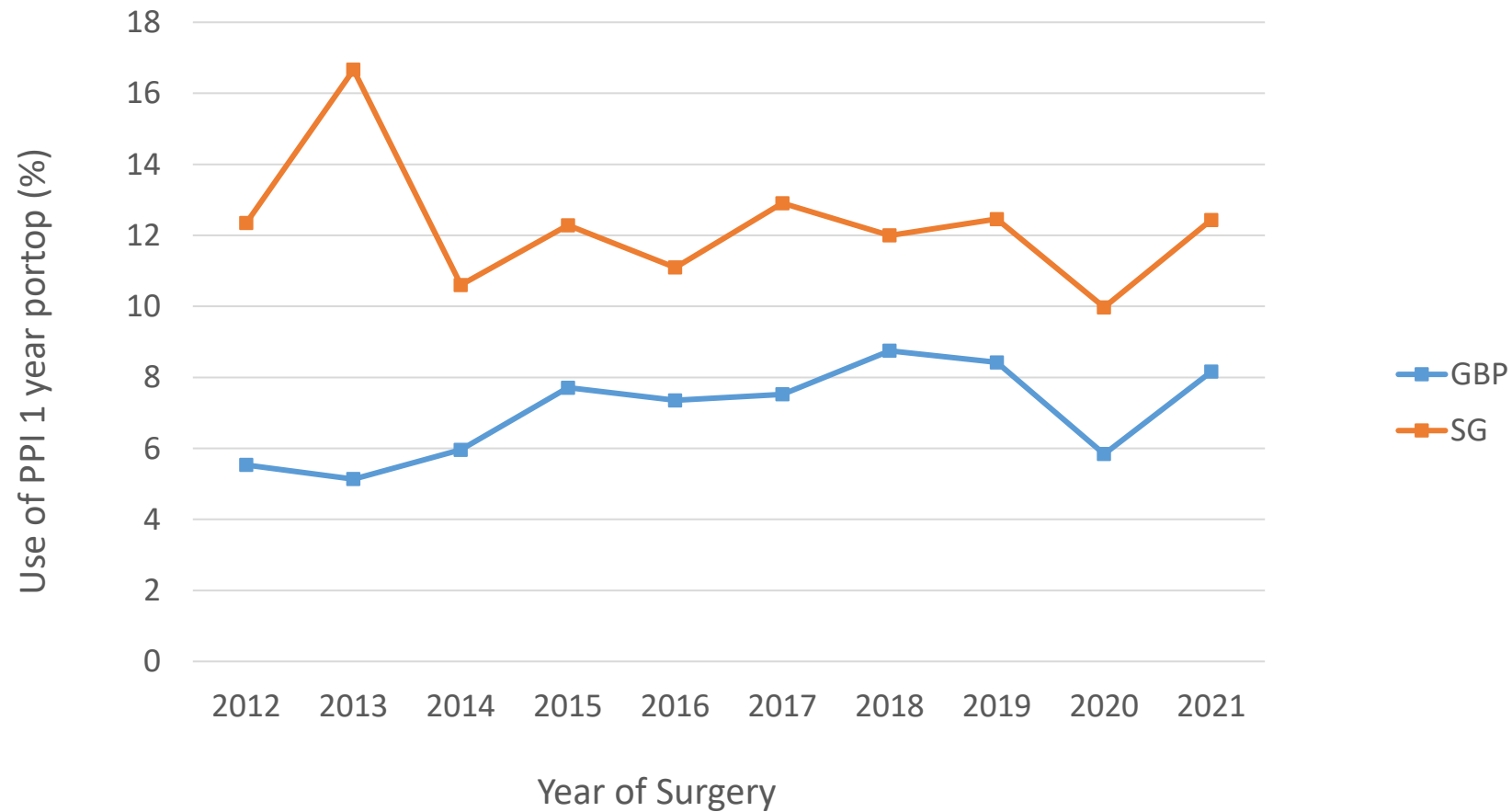
# GORD in SOReg

## Preoperative rate för GBP and SG



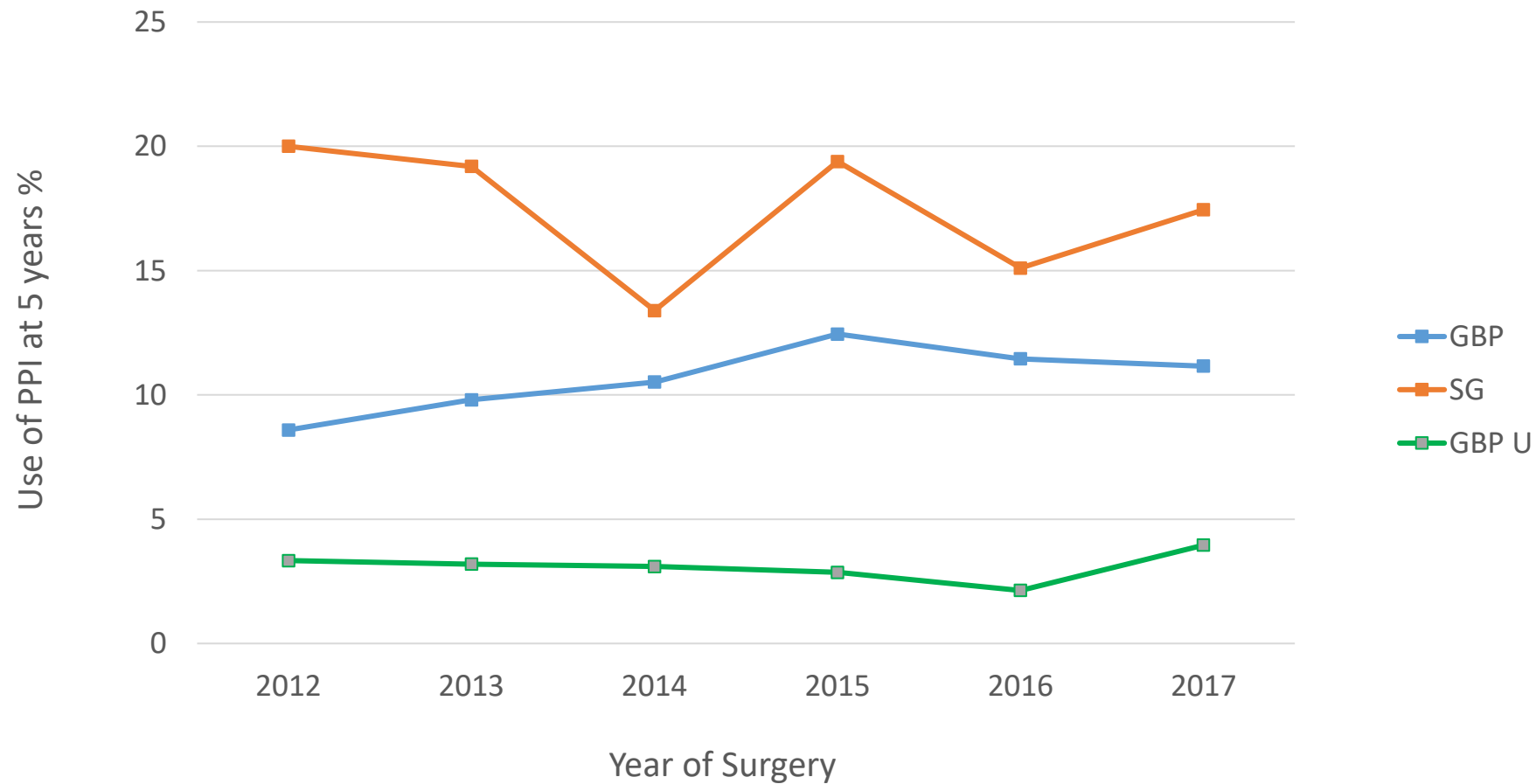
# GORD in SOReg

## Postoperative rate för GBP and SG 1 year



# GORD in SOReg

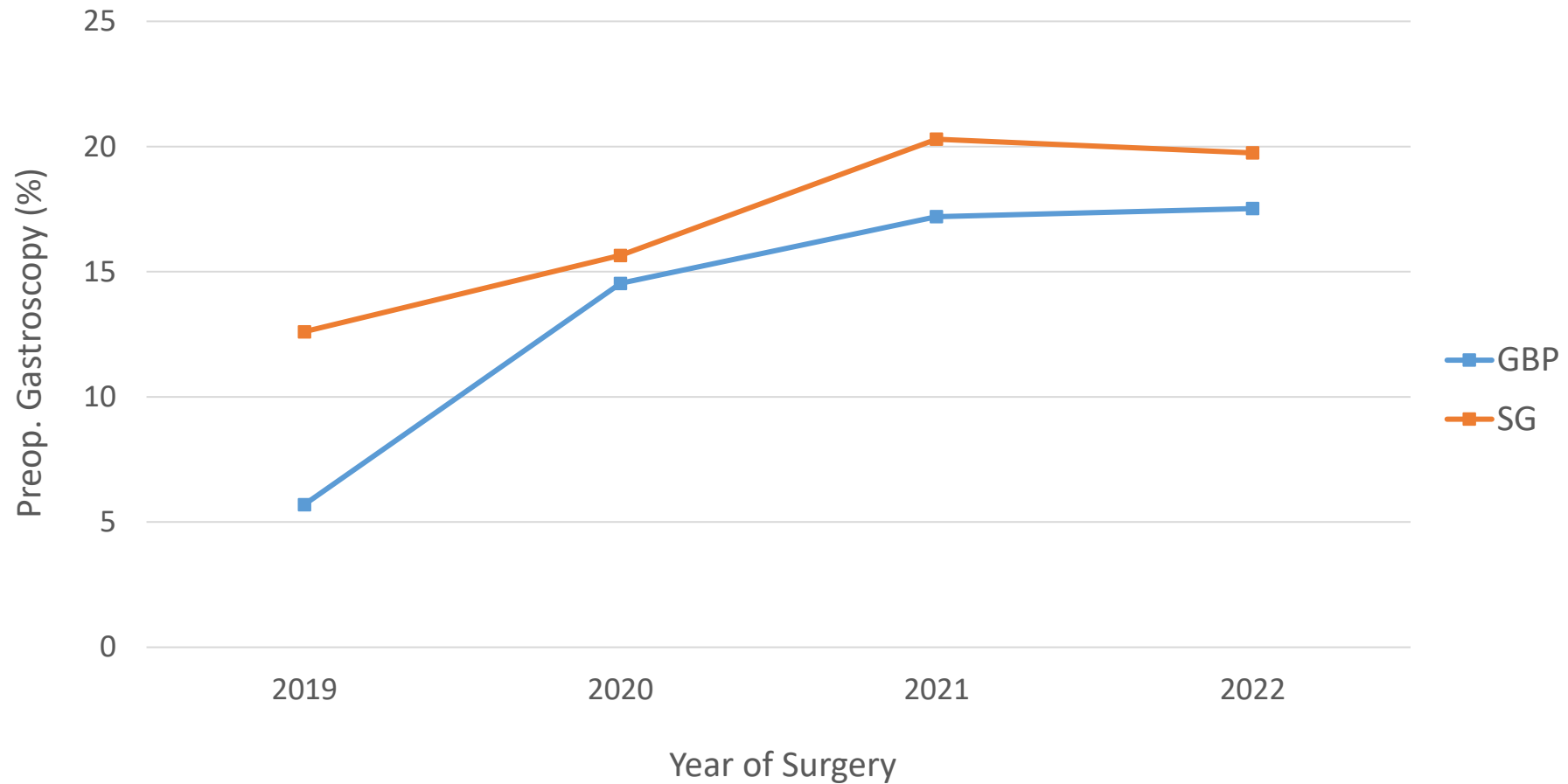
## Postoperative rate för GBP and SG 5 years



# Gastrosocopy in SOReg

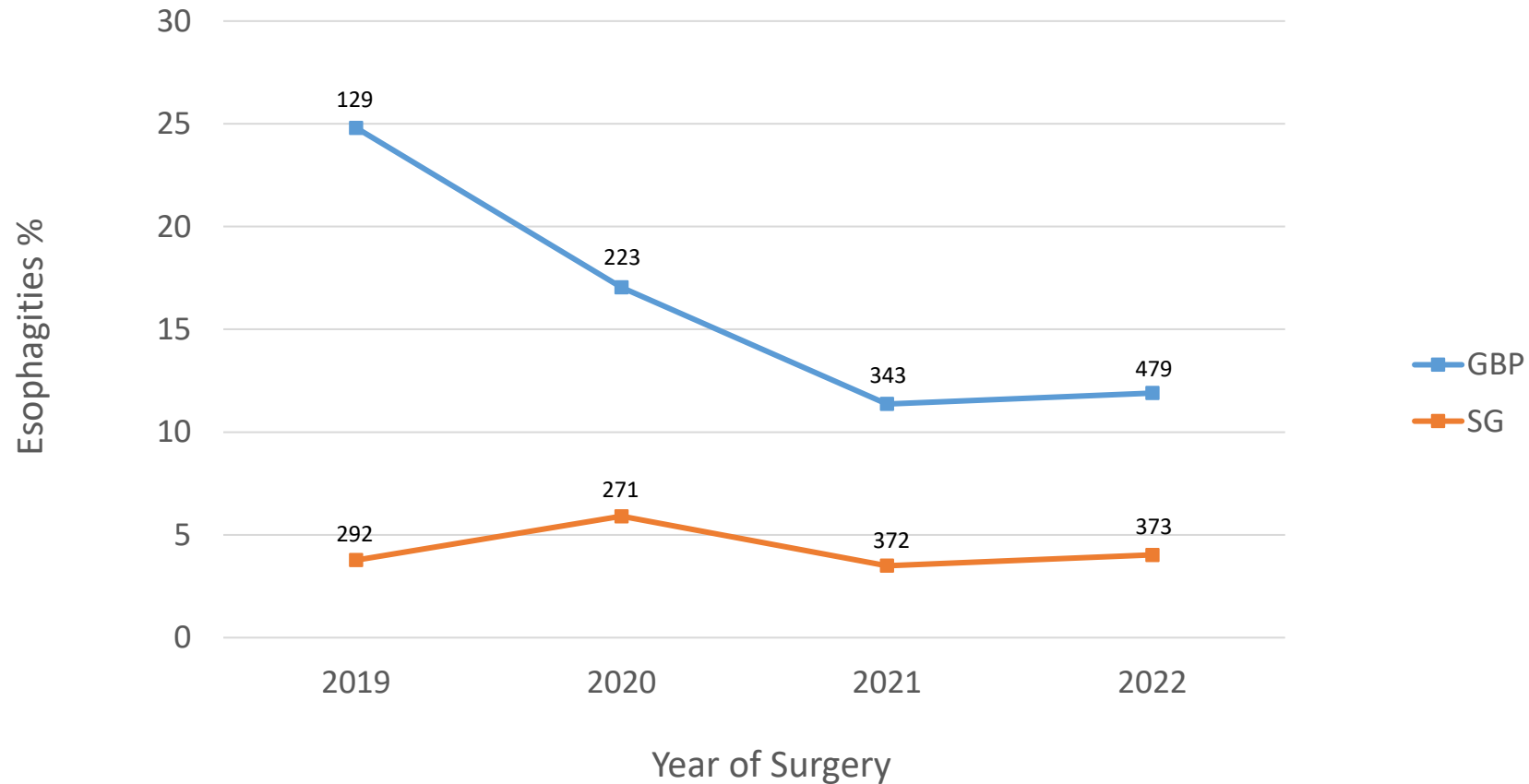
- Was introduced in SOReg 2018
- Esophagities according to LA classification
- Precence of Barret's esophagus
- Hiatal hernia length
- Hill's classification of hiatal opening
- Precence of Helicobater Pylori

# Percentage preop. gastroscopy in SOReg GBP and SG



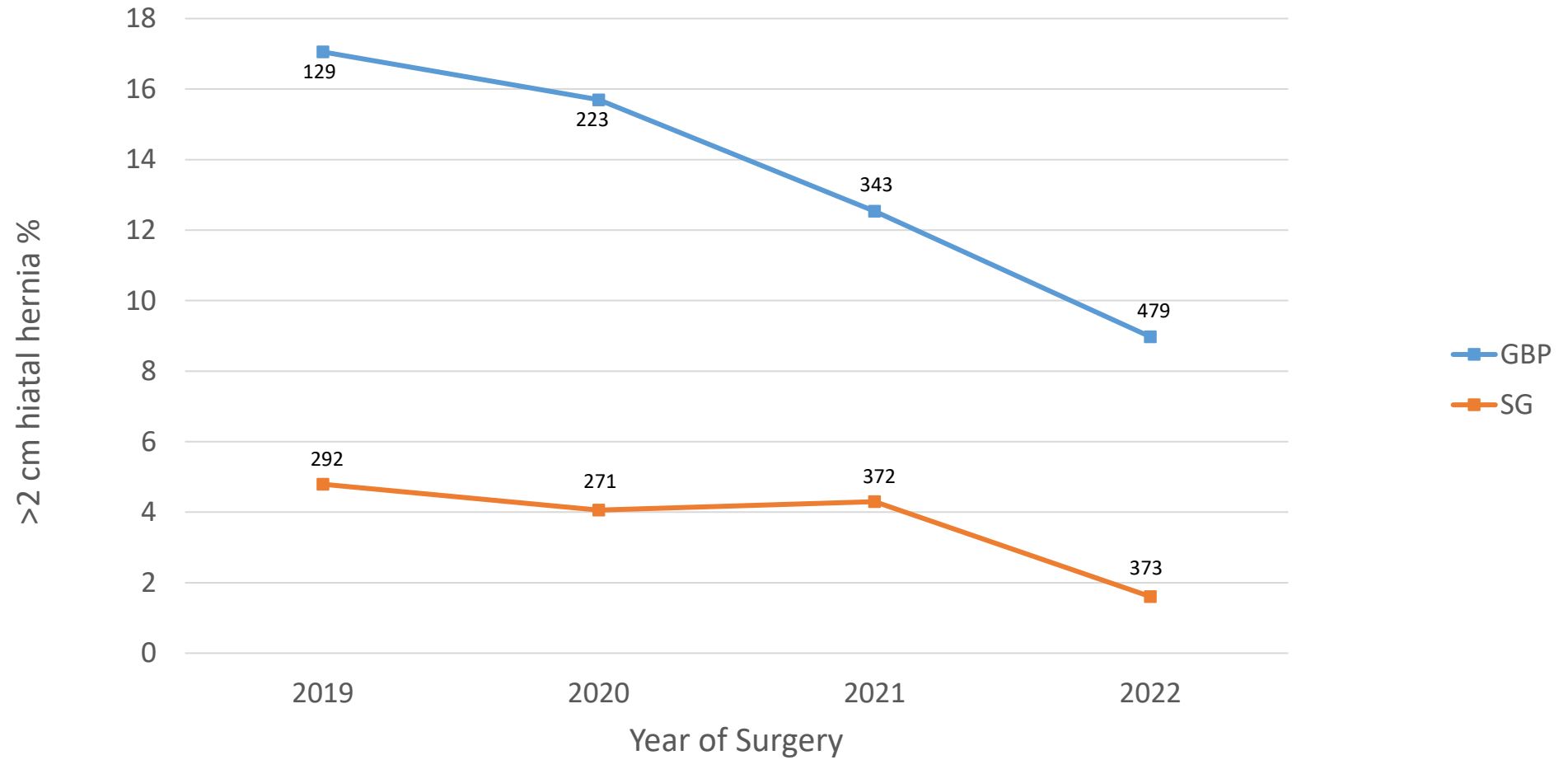
# Preoperative esophagities

## GBP and SG



# Preoperative hiatal hernia

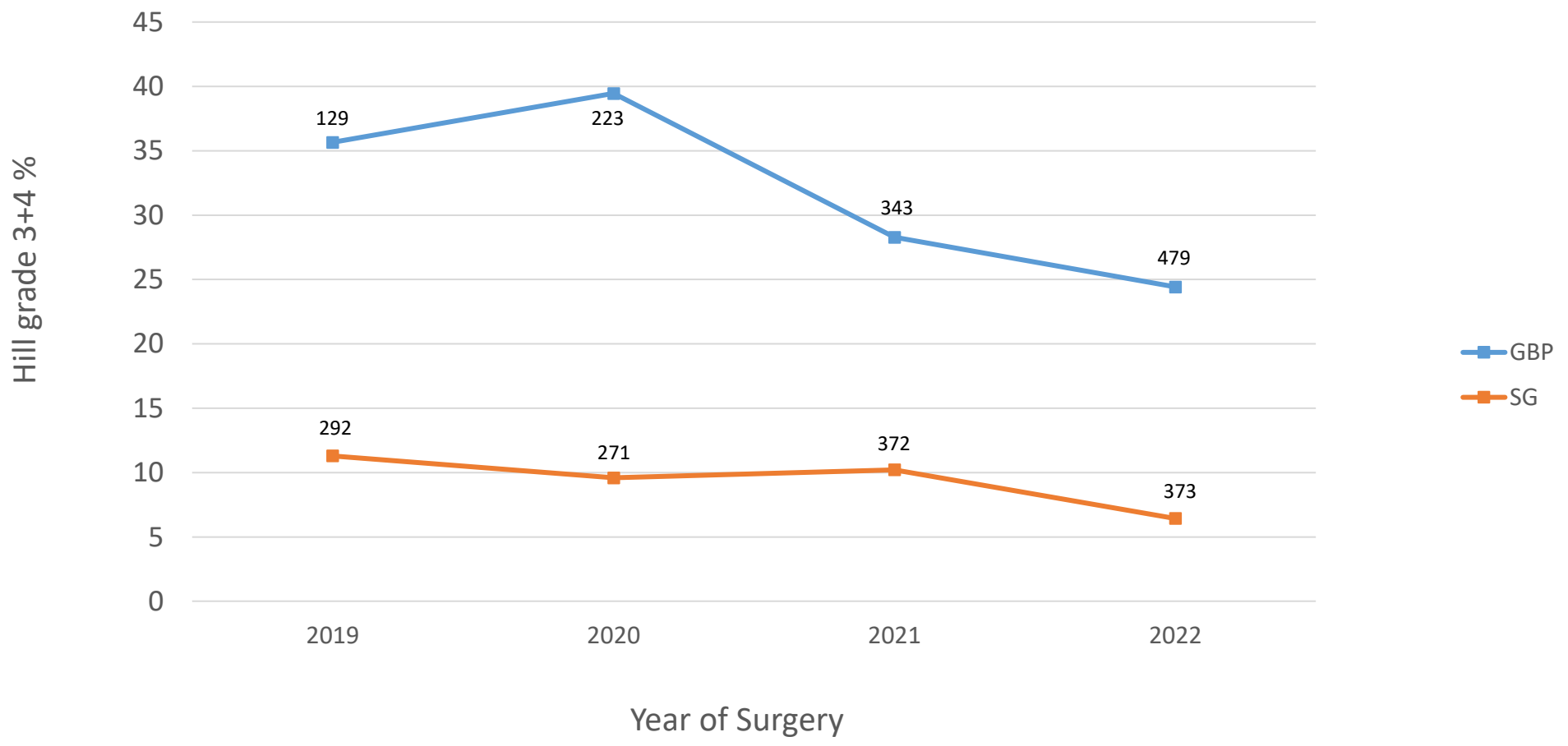
## GBP and SG





# Preoperative classification of hiatal opening

## GBP and SG



# Conclusion

- GORD is present in about 10% of bariatric patients
- GORD has been stable over time
- Patients with GORD are selected for GBP.
- This selection has increased over time
- GORD increases after SG and decreases after GBP
- The difference seems to decrease over time
- Positive findings are seen in 15-40% of patients in gastroscopy
- More positive findings seen in GBP-patients preop.