

## Hepato-Pancreato-Biliary System- Related Procedures Profile in England

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### ABSTRACT

Understanding Hepato-Pancreato-Biliary (HPB) system procedure trends is important for future treatment plans and ensure that these procedures are performed with high quality. There are no prior studies on the trends in HPB procedures in England. Accordingly, this study aimed to investigate trends in HPB procedures in England. This ecological research was conducted in England from March 1, 1999, to March 1, 2019, utilizing procedure and intervention hospital records. The difference between procedure rates in 1999 and 2019 was compared using the chi-square test. Over the period between 1999 and 2019, the number of performed procedures related to HPB system has reached 2,557,045 episodes. The rate of procedures increased by 43.4% during the study period. The highest increase was observed for gallbladder-related procedures which increased by 76.9%. The lowest increase was observed for bile-duct-related procedures which increased by 17.9%. The rate of emergency HPB system procedures increased by 17.0% during the study period. The rate of emergency gallbladder-related procedures increased by 132.2%. However, the rate of emergency procedures for other HPB system organs decreased between 11.4% and 37.8%. The age group 15-59 years contributed for 50.0% of the total number of procedures. Female patients contributed for over half of the procedures related to HPB system with 62.8%. Due to diagnostic and therapeutic advances, public health requirements, and risk factors, HPB procedures in England rose. Gallstone prevalence and surgical advances drove HPB gallbladder surgery. Due to danger and side effects, older patients (75+) had fewer HPB treatments. Women have more gallbladder and bile duct surgeries than males, thus most HPB procedures are on them. HPB treatments reduce with wellness education. Healthcare providers need HPB training and procedures.

**Keywords:** *Bile duct; England; Gallbladder; Hepatic; Liver; Pancreas; Procedure*

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