



▶ CASE MIX ADJUSTMENT – PAYER

CASE STUDY

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Case mix adjustment can tease out the practice characteristics directly associated with reduced hospital utilization.

– Dr. David Shepherd, FRCGP
Leicester City CCG

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OVERVIEW

- Leicester City Clinical Commissioning Group (LCCG) is one of the most ethnically diverse areas of the UK
- LCCG purchases care for over 350,000 residents from a provider pool of acute trusts and 57 family doctor practices



CHALLENGES

- Difficulty comparing outcome and cost performance between practices due to the variation in patients they serve
- Variation in coding quality between practices can distort analysis



METHODS USED

- The ACG System analyzed emergency admission rates for all practices in the area, with further modeling to reflect variations:
 - ▶ Morbidity of patient populations in each practice
 - ▶ Coding efficiency in each practice



RESULTS

- Noted that if all practices had the same emergency admission rates of the top 8 practices, **LCCG could save more than £15 million in costs**
- Practices with **lower emergency admission rates had significantly higher coding completeness and significantly higher GP patient survey scores**. It was considered that these directly or indirectly led to lower admission rates.
- Initiatives to **improve the LCCG coding quality**, including:
 - ▶ Development of a primary care coding handbook
 - ▶ Re-evaluation of IT training in primary care
- Identified **key characteristics associated with improved coding and annual GP patient survey scores**; implementing them across the city, including:
 - ▶ £200k investment to promote improved communications, patient-provider engagement, and training on coding quality
 - ▶ Enhanced performance analysis at LCCG and practice level, with increased provider engagement in their case mix coding-adjusted activity

Leicester City CCG has a yearly budget of **£469 million** to provide health care for 350,000 residents, and to address poor health.

Services include: **primary care, hospitalization, rehabilitation, urgent and emergency care, community health services, mental health and learning disability services.**