

replacement and prosthetic joint infection diagnosis was 284 days (95% CI, 281-286 days) and the median time was 91 days (0-1,631 days). We found that SSI occurred during the first 30 days after the replacement in 30.3% of patients; 40.1% of patients were infected between 1 month and 1 year. Moreover, this hospital discharge cohort model allowed detecting SSI occurring >1 year after joint replacement (29.4%) (unpublished data).

The findings reported by Lower et al.¹ when compounded with our French results, demonstrate the potential use of passive postdischarge surveillance in SSI after arthroplasty. The hospital information systems covering the entire population allows data analysis and productions of indicators and then benchmarking,^{7,8} and could be promoted as a cost-effective method for routine infection control surveillance.

References

1. Løwer HL, Dale H, Eriksen H-M, Aavitsland P, Skjeldestad FE. Surgical site infections after hip arthroplasty in Norway, 2005-2011: Influence of duration and intensity of postdischarge surveillance. Am J Infect Control 2015;43:323-8.
2. Grammatico-Guillon L, Rusch E, Astagneau P. Surveillance of prosthetic joint infections: international overview and new insights for hospital databases. J Hosp Infect 2015;89:90-8.
3. Grammatico-Guillon L, Baron S, Gaborit C, Rusch E, Astagneau P. Quality assessment of hospital discharge database for routine surveillance of hip and knee arthroplasty-related infections. Infect Control Hosp Epidemiol 2014;35:646-51.
4. Zimmerli W, Ochsner PE. Management of infection associated with prosthetic joints. Infection 2003;31:99-108.
5. Zimmerli W, Trampuz A, Ochsner PE. Prosthetic-joint infections. N Engl J Med 2004;351:1645-54.
6. Grammatico-Guillon L, Baron S, Gaborit C, Bernard Rosset PL, Rusch E, Astagneau P. Surgical Site Infection After Primary Hip and Knee Arthroplasty: A Cohort Study Using a Hospital Database. Infection Control and Hospital Epidemiology 2015 Jul;8:1-10 [Epub ahead of print].
7. Hors Série B. Apports des bases médico-administratives pour l'épidémiologie et la surveillance: regards croisés France-Québec/[Contribution of health administrative databases to epidemiology and surveillance: crossed views from France and Quebec. Bull Epidémiol Hebd 2013;(Hors-Série):2-3.
8. Grammatico-Guillon L, Baron S, Gettner S, et al. Bone and joint infections in hospitalized patients in France, 2008: clinical and economic outcomes. J Hosp Infect 2012;82:40-8.

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Response to letter to the editor regarding: "Surgical site infections after hip arthroplasty in Norway, 2005-2011: Influence of duration and intensity of postdischarge surveillance"

To the Editor:

We would like to thank the authors for their comments on our article. We agree that postdischarge surveillance (PDS) is resource demanding, but it is also very important in correctly identifying the burden of surgical site infections. Our study¹ specifically addressed 1-year follow-up after hip arthroplasty. Our recommendation that active PDS may be replaced by passive PDS only applies to deep infections after hip arthroplasty, which manifest beyond 30 days of surgery.

We found that 79% of all infections up to 1 year after hip arthroplasty were detected after hospital discharge through active PDS, and that only about half of these could have been detected through readmissions. In a previous study,² which includes several types of surgery, we showed that 81% of all infections within 30 days of surgery were detected after discharge with active PDS. A recent study from The Netherlands³ reported that the method and intensity of PDS are of high importance and that a large proportion of the infections would be missed by using inferior PDS methods.

In the 2010-2011 report from the European Centre for Disease Prevention and Control,⁴ the incidence proportion of infections after hip arthroplasty, cholecystectomy, and colon surgery in The Netherlands and Norway is much higher than in France. Most of this difference may be attributed to the active PDS that is performed in both of these countries.

We would caution against promoting passive PDS, which solely relies on readmission data for the first 30 days after discharge. This may give an incomplete picture of the infection situation by missing infections detected by primary health care providers or other hospitals. Hopefully, legal and technical developments will enable primary health care and hospital data to be harnessed effectively for PDS in the near future.

References

1. Løwer HL, Dale H, Eriksen HM, Aavitsland P, Skjeldestad FE. Surgical site infections after hip arthroplasty in Norway, 2005-2011: influence of duration and intensity of postdischarge surveillance. Am J Infect Control 2015;43:323-8.

2. Lower HL, Eriksen HM, Aavitsland P, Skjeldestad FE. Methodology of the Norwegian surveillance system for healthcare-associated infections: the value of a mandatory system, automated data collection, and active postdischarge surveillance. *Am J Infect Control* 2013;41:591-6.
3. Koek M, Wille J, Isken M, Voss A, van Benthem B. Post-discharge surveillance (PDS) for surgical site infections: a good method is more important than a long duration. *Euro Surveill* 2015;20.
4. ECDC. Surveillance of surgical site infections in Europe 2010–2011. Available from: <http://ecdc.europa.eu/en/publications/Publications/SSI-in-europe-2010-2011.pdf>. Accessed July 21, 2015.

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