

Alternative Level of Care in Canada: A Summary

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Canadian health system managers are increasingly concerned about the number of hospital in-patients who do not need acute care services (Ontario Association for Community Care Access Centres et al. 2006; Yassi et al. 2008). These patients are widely known as “ALC patients” because they are awaiting an *alternative level of care* in a more appropriate setting. ALC days in hospitals is a systems issue, reflecting challenges in different parts of the healthcare system, including hospitals, community care and long-term care (MacLeod et al. 2008; Ontario Association for Community Care Access Centres et al. 2006; Penney and Henry 2008). Planning and coordination across health sectors will be enhanced through a better understanding of the characteristics of ALC patients and what happens after they are discharged from hospital.

This article summarizes more detailed findings presented in the recent report by the Canadian Institute for Health Information (CIHI 2009), *Waiting in Hospital: Alternate Level of Care in Canada*.

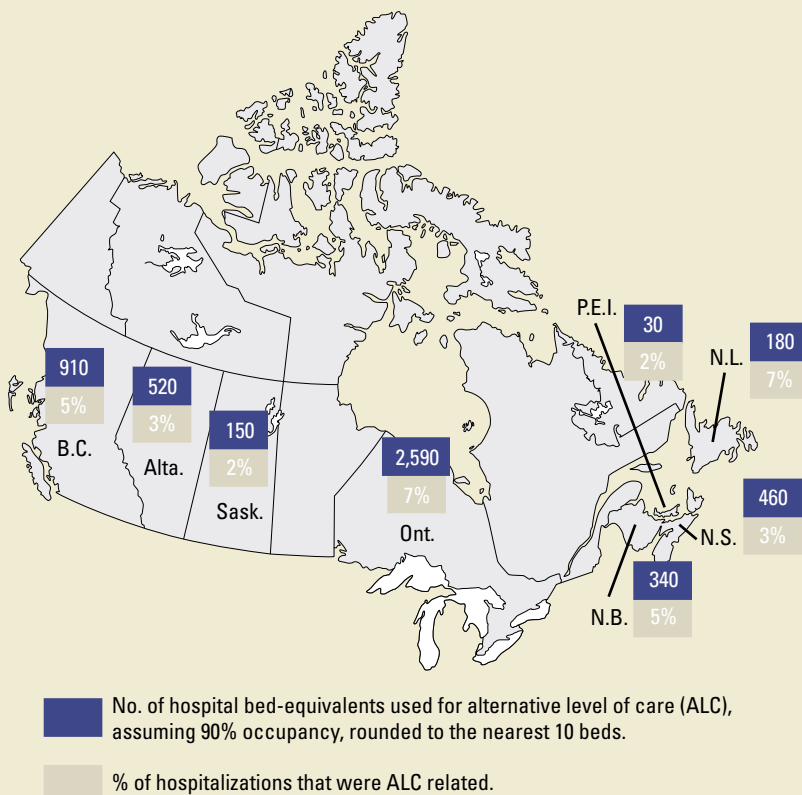
Data Sources and Methods

Hospitalization data were obtained from CIHI’s Discharge Abstract Database (DAD) 2007–2008. This database captures administrative, clinical and demographic information for in-patients across Canada. This study includes patients discharged between April 1, 2007, and March 31, 2008.

Despite standardized ALC data collection in the DAD since 1989, little reporting of these data has taken place. This is

primarily due to concerns about variations in the reporting of ALC data that prevent comparability across facilities and jurisdictions. To improve comparability, several known sources of ALC reporting variation were addressed by excluding data from Quebec and Manitoba as well as all pediatric and obstetric cases from the analysis. Data from the territories are included in the

Figure 1. Scope of ALC by province, 2007–2008



Notes: ALC may be defined and recorded differently in different provinces. Excludes abstracts from Manitoba and Quebec as well as obstetrical and pediatric patients. Data for territories not reported due to small numbers that result in rate instability. Source: Discharge Abstract Database, 2007–2008, Canadian Institute for Health Information.

overall analyses but are not reported by territory due to small numbers that result in rate instability.

Key Findings

In 2007–2008, 5% of hospitalizations ($N = 74,504$) and 14% of hospital days ($N = 1.7$ million) involved ALC patients. The

provincial range for ALC hospitalizations was 2–7% of all hospitalizations (Figure 1).

ALC Patient Profile

ALC patients were older than non-ALC patients and were more likely to begin their hospital experience in an emergency department (Table 1). ALC patients were also more than twice as likely to have a comorbid condition as measured by the Charlson Comorbidity Index (Sundararajan et al. 2004). Dementia, as a main or comorbid diagnosis, accounted for almost one quarter of ALC hospitalizations and more than one third of ALC days. Patients with dementia as a main diagnosis had a median ALC length of stay of 23 days compared with 10 days for ALC patients overall.

ALC Length of Stay

Wide variation was observed in ALC days, ranging from one to more than 100 days (Figure 2). Long-stay patients (>100 ALC days) did not differ from other patients on demographic variables (gender and age) but were more likely to be in the hospital for reasons related to dementia.

ALC Patients after Discharge

Overall, the predominant discharge destination (43%) was to a long-term care facility (Figure 3). More than one quarter of ALC patients were discharged home. Seventeen (17%) percent of these patients were readmitted to hospital within 30 days. This compares to 12% for non-ALC patients discharged home. Of the 12% who died during their ALC hospitalization, 42% were receiving palliative care and 45% were awaiting admission to another facility.

Discussion

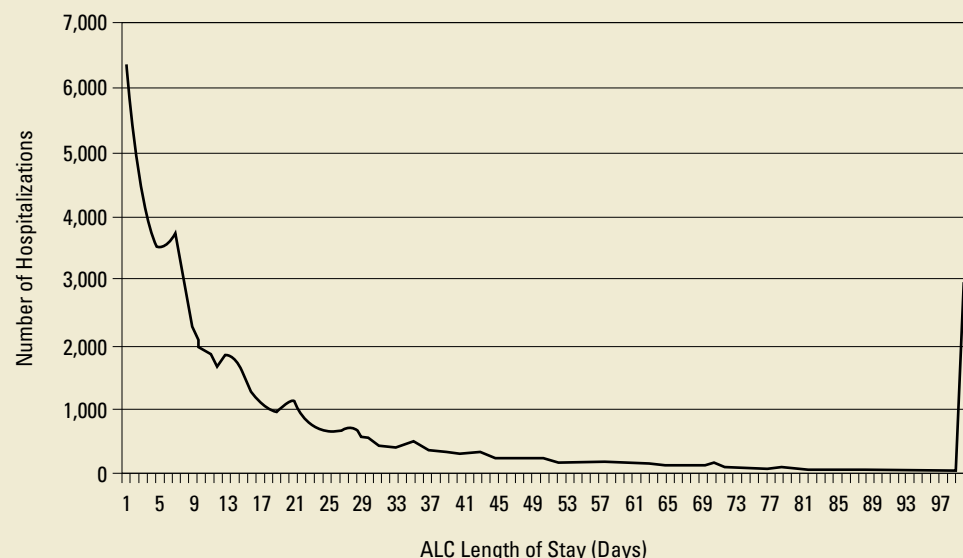
This issue of ALC is a sizeable challenge for hospitals and health

Table 1. Characteristics of ALC and non-ALC patients, 2007–2008

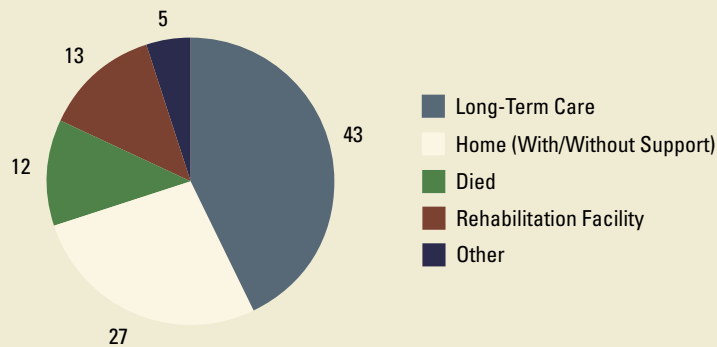
	ALC Patients	Non-ALC Patients
Female (%)	58	51
Age (median years)	80	63
At least one comorbidity (%)	36	15
Admitted through the ED (%)	83	63
Length of hospitalization (median days)		
Total	26	4
Acute portion	11	4
ALC portion	10	–

ALC = alternative level of care; ED = emergency department.
Source: Discharge Abstract Database, 2007–2008, Canadian Institute for Health Information.

Figure 2. Distribution of ALC length of stay, 2007–2008*



*69,445 patients were admitted for 74,504 hospitalization episodes that had alternative level of care (ALC) days.
Source: Discharge Abstract Database, 2007–2008, Canadian Institute for Health Information.

Figure 3. Discharge destinations for ALC patients, 2007–2008 (%)

Source: Discharge Abstract Database, 2007–2008, Canadian Institute for Health Information.

system managers in Canada, with over 1.7 million hospital days used for ALC outside of Manitoba and Quebec in 2007–2008. ALC patients were older and had diagnostic, comorbidity and length-of-stay profiles that indicate complex follow-up care requirements. Most ALC patients were waiting for placement and were discharged to a long-term care facility. However, other ALC care paths included patients waiting for placement and discharged home or dying before discharge could occur.

The reasons for provincial and facility variations in the number of ALC patients and days are not well understood. Differences in funding and system capacity may account for some of the variation. However, ALC variation may also arise from differences in documentation and data collection. CIHI is involved in follow-up work to better understand variation in ALC reporting in order to improve the comparability of ALC data across Canada.

Despite some limitations, ALC data can shed light on questions about the continuity of care for patients as they transition out of acute care. For example, results from a recent CIHI study, *Patient Pathway: Transfers from Continuing Care to Acute Care*, found that new long-term care admissions accounted for most of the ALC waits for long-term care beds. Only 4% of residents who were hospitalized and discharged back to the same long-term care setting experienced ALC days in hospital. Efforts to improve our understanding of ALC can help to answer broader policy questions about the capacity of different sectors to effectively care for patients as they move through the system. **HQ**

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