

## ***The Impact of Arthritis: Newfoundland and Labrador Specific Information***

### *The Human Story*

#### **Osteoarthritis (OA) in Newfoundland and Labrador**

In 2010, 72,191 people – or 1 in 7 Newfoundlanders – were living with Osteoarthritis (OA). Within a generation (30 years) it is anticipated that 1 in 4 or 131,000 Newfoundlanders will be living with OA and one person in Newfoundland and Labrador will be diagnosed every 101 minutes.

#### **Rheumatoid Arthritis (RA) in Newfoundland and Labrador**

Unlike OA, Rheumatoid Arthritis (RA) can occur at any age. In 2010, 4,440 Newfoundlanders were living with RA. The prevalence of RA is expected to rise by 52 per cent by 2030. In 2040, 6,930 – or 1 in 70 Newfoundlanders – will be living with RA; one person in Newfoundland and Labrador will be diagnosed with RA every 30 hours.

### *Economic Impact*

#### **Impact on the Productivity of the Newfoundland and Labrador Labour Force (OA)**

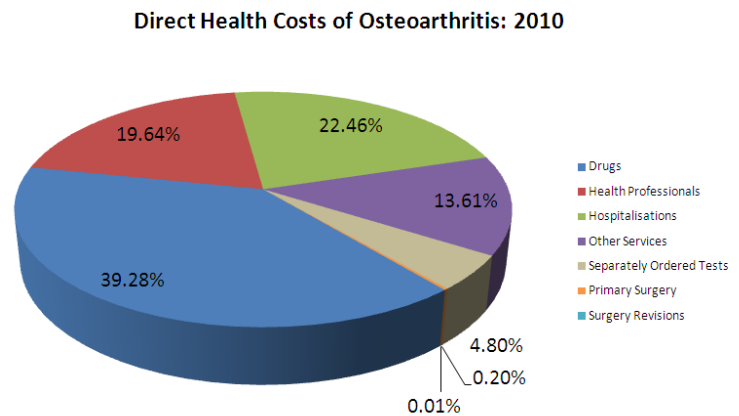
While OA is generally perceived as a condition that affects older adults, it is estimated that OA resulted in \$264 million dollars in productivity losses in Newfoundland and Labrador in 2010. This number is expected to rise by 42 per cent by 2020 and 62 per cent by 2040. Summed over the next 30 years, OA is expected to result in \$11.8 billion in productivity losses in Newfoundland and Labrador alone (after adjusting for inflation and interest rates).

#### **Impact on the Productivity of the Newfoundland and Labrador Labour Force (RA)**

On average, someone with RA will be work disabled within 10 years of getting the disease. In 2010, it is estimated that RA generated \$49.7 million dollars in productivity losses in Newfoundland and Labrador. This number is expected to rise by 50 per cent by the year 2040. The cumulative total productivity losses generated by RA are expected to reach \$2.11 billion dollars by 2040 (after adjusting for inflation and interest rates).

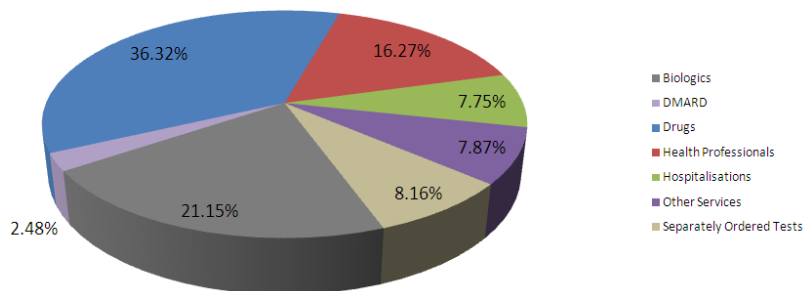
### Direct Health Care Costs (OA) on the Province of Newfoundland and Labrador

It is estimated that OA drove \$167 million dollars in direct health care costs in Newfoundland and Labrador in 2010. These costs are expected to rise by 59 per cent by 2020 and by 58 per cent in 2040 (in 2010 dollar terms). Over the next 30 years, the cumulative total direct health care costs associated with OA in Newfoundland and Labrador are expected to exceed \$7.85 billion dollars.



### Direct Health Care Costs (RA) on the Province of Newfoundland and Labrador

Direct Health Costs of Rheumatoid Arthritis: 2010



It is estimated that RA drove \$39 million dollars in direct health care costs in Newfoundland and Labrador in 2010. These costs are expected to rise by five per cent by 2040 (in 2010 dollar terms). Total cumulative direct health care costs associated with RA in Newfoundland and Labrador are expected to exceed \$1.39 billion dollars over the next 30 years (2040).

### Arthritis in Newfoundland and Labrador and Across Canada

In 2010, 14% of Newfoundlanders were living with OA, and another 0.9% with RA. These numbers are slightly higher than the numbers reported for the Canadian population, with national percentages of 13% and 0.8% for OA and RA respectively. Within 30 years (by 2040), it is estimated that 28% of Newfoundlanders and 26% of Canadians will be living with OA, and another 1.5% of Newfoundlanders and 1.4% of Canadians will be living with RA.