

HIGHLIGHTS FROM

Asthma Insight and Management in Europe and Canada (EUCAN AIM):

A Multicountry Survey of Asthma Patients



AIM
ASTHMA INSIGHT
& MANAGEMENT™



Overview

The Asthma Insight and Management in Europe and Canada (EUCAN AIM) survey, conducted in 2010, was designed to explore and document asthma-related patient perceptions, behaviors, and presentation patterns, as well as recent trends in asthma management. The survey was conducted via telephone interview, using a national probability sampling frame, and included 2,420 patients in 6 countries (Canada, France, Germany, Italy, Spain, and United Kingdom).

The survey was conducted by the national public opinion research organization Abt SRBI Inc. The survey was sponsored by MSD, a research-based pharmaceutical company.

Key Insights

The survey findings yield a number of important insights about asthma and the current state of asthma management in Europe and Canada.

- Many patients believe that they are well controlled, despite reporting having experienced regular increases in symptoms and morbidity
- 39 % of asthma patients surveyed report that they have experienced a severe asthma episode in the past 12 months

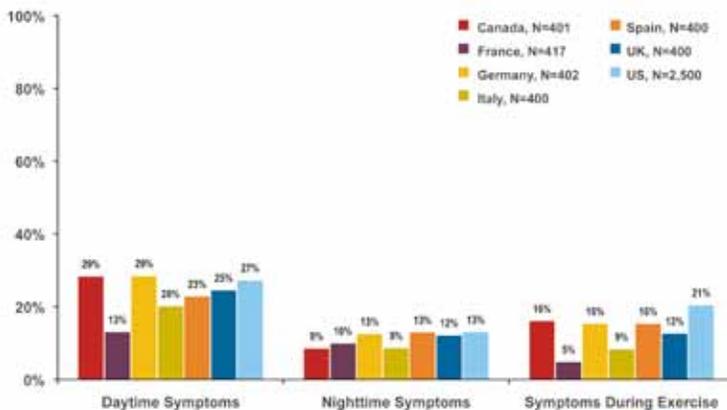
- Nearly 1 in 5 asthma patients surveyed reported that they have needed acute care for their asthma, including hospitalizations, emergency room visits, and other emergency medical care for their asthma symptoms within the past 12 months, with 6.7% of respondents having been hospitalized overnight
- Asthma episodes can be severe enough that more than one-third of asthma patients surveyed have felt their life was in danger, including 10% with an asthma episode so bad that they felt their life was in danger in the past year
- More than one-third of asthma patients who have had a sudden severe episode in the past year believe that sudden, severe episodes have a greater impact on their quality of life than day-to-day symptoms
- Asthma has a significant impact on productivity and daily life activities
- There is a significant gap between the guidelines and clinical practice
- Patient discontinuation of medication is more common than expected; up to 20% of patients reported having stopped taking their controller medication for a month or longer during the past year
- Patients with asthma have extremely low expectations for controlling their disease with nearly half of respondents considering their asthma well managed if they have an exacerbation 3-4 times a year

Study Design: EUCAN AIM (2010)

Population	Sampling Frame	Interview Length
Adults and parents of adolescents (age 12-17 years) with asthma (physician-diagnosed and past year medication or asthma symptoms)	Telephone screening of national random digit dialing sample of households	Mean: 37.9 minutes
Country	Number of Households Screened	Completed Sample
Canada	7,405	401
France	6,165	417
Germany	22,293	402
Italy	13,620	400
Spain	24,404	400
United Kingdom	7,613	400
TOTAL	81,500	2,420
US AIM	60,682	2,500



Frequency of Symptoms in Past 4 Weeks Every Day or Most Days



Questions

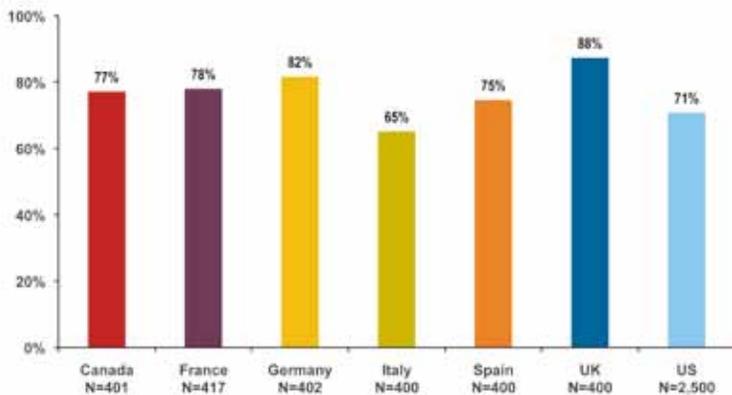
How often did (you/your child) have these symptoms during the day: every day, most days, at least twice a week, once a week, at least twice a month, or once a month?

How often did (you/your child) have these symptoms at night: every night, most nights, at least twice a week, once a week, at least twice a month, or once a month?

How often did (you/your child) have these symptoms during exercise, play, or physical exertion: every day, most days, at least twice a week, once a week, at least twice a month, or once a month?

Base: All respondents

Perceived Asthma Control in the Past 4 Weeks Completely or Well Controlled

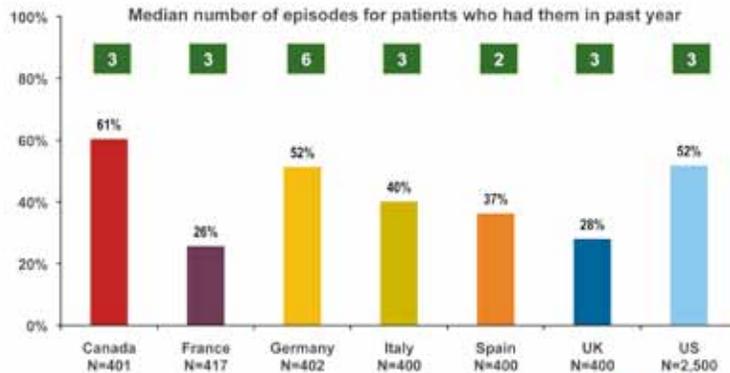


Question

Overall, how well would you say that (you/your child's) asthma has been controlled in the past 4 weeks? Would you say it was completely controlled, well controlled, somewhat controlled, poorly controlled, or not controlled at all?

Base: All respondents

Had Episodes in the Past 12 Months When Asthma Symptoms Were More Frequent or Severe Than Normal



Questions

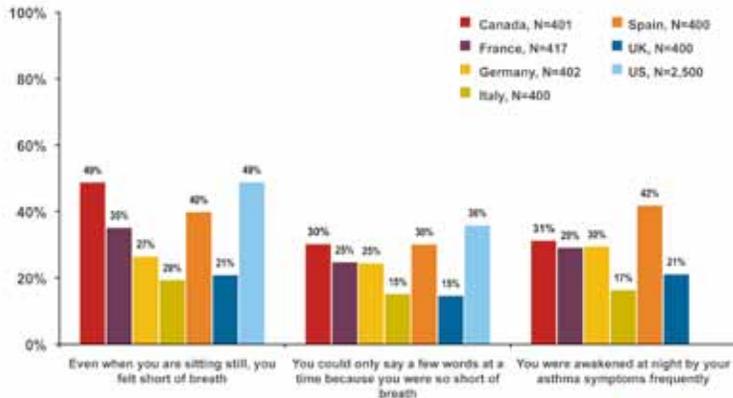
Were there any episodes in the last 12 months when (your/your child's) asthma symptoms were more frequent or more severe than normal?

Base: All respondents

How many different episodes in the past 12 months were (your/your child's) asthma symptoms more frequent or more severe than normal?

Base: Had severe episode in past year

Severe Asthma Episodes in Past Year

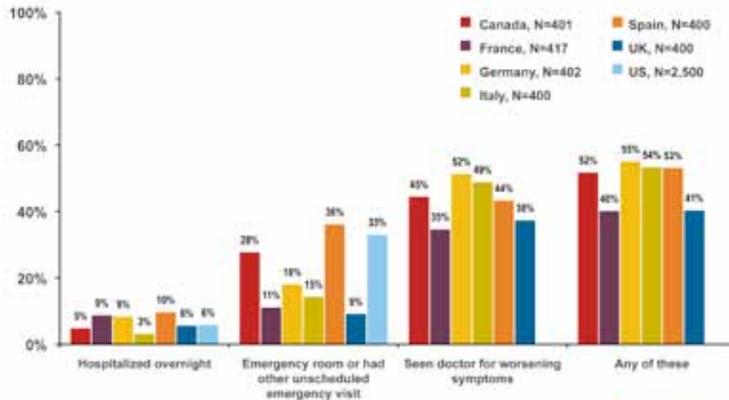


Question

During the past 12 months (have you/has your child) had an asthma episode when...

Base: All respondents

Acute Treatment for Asthma in the Past Year



Questions

(Have you/Has your child) been hospitalized overnight for asthma in the past 12 months?

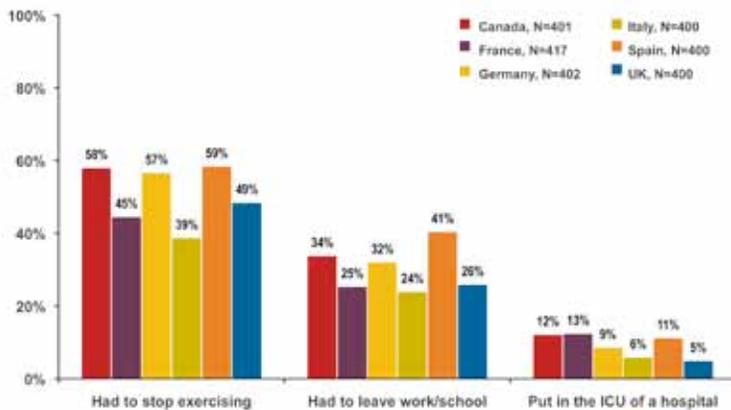
(Have you/Has your child) gone to a hospital emergency room, or walk-in clinic (CA)/gone to an accident and casualty room, or after hours service (FR)/been visited by an emergency mobile doctor or gone to an emergency room (GER)/gone to an emergency room, or have you been visited by a night-shift doctor (ITA)/gone to an emergency room (SPN) gone to an accident and casualty room or after hours service (UK) for asthma symptoms in the past 12 months?

Has (your/your child's) asthma caused any other unscheduled emergency visits to a doctors office, clinic, or somewhere else in the past 12 months?

In the past 12 months (have you/has your child) seen a doctor or other health care provider because of asthma exacerbations or worsening symptoms? (Not asked in US AIM)

Base: All respondents

Asthma Episodes With Other Serious Outcomes (Ever)

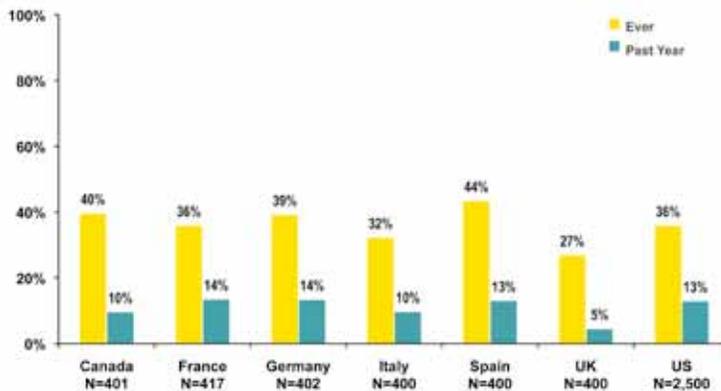


Question

(Have you/Has your child) EVER had an asthma episode so bad that (you/your child)...

Base: All respondents

Have Thought Life Was in Danger During an Asthma Episode



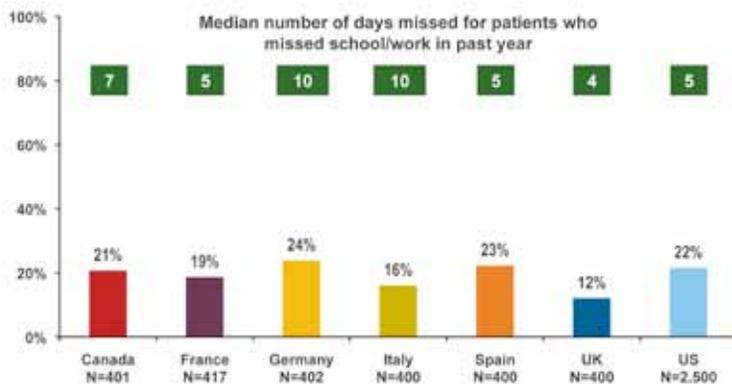
Questions

(Have you/Has your child) ever had an asthma episode so bad that you thought (your/your child's) life was in danger?

When was the most recent time (you/your child) had an asthma episode so bad that you thought (your/your child's) life was in danger: within the past month, within the past 6 months, within the past year, more than a year ago, or never?

Base: All respondents

Missed Work or School in Past Year Due to Asthma



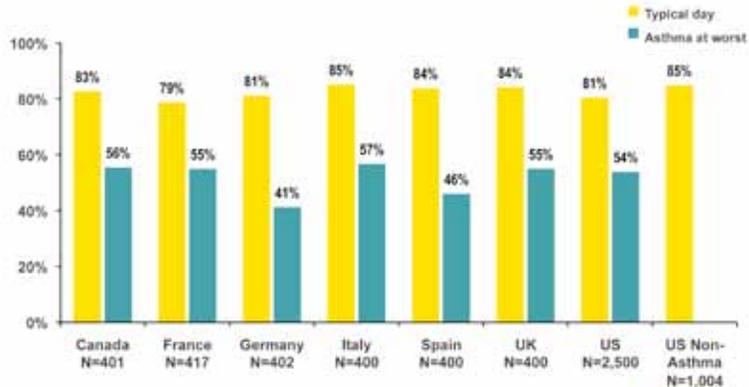
Questions

Has (your/your child's) asthma caused (you/your child) to miss work or school in the past year?

How many work or school days (have you/has your child) lost in the past year as a result of asthma?

Base: All respondents

Impact of Asthma on Productivity (Mean)



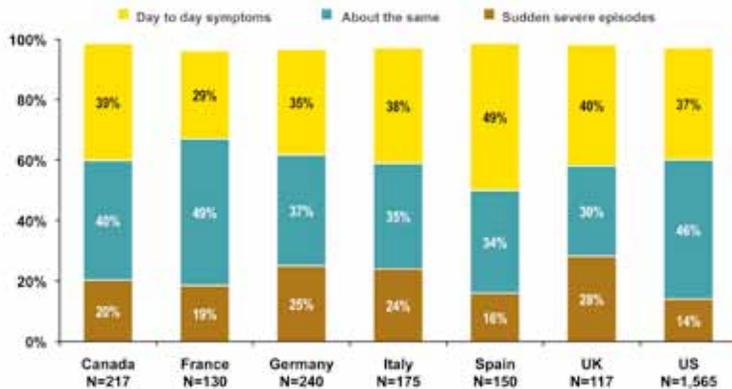
Questions

Thinking about productivity on a scale of 0 to 100, where 100 means 100% productivity, where would you rank (your/your child's) productivity on a typical day?

Where would you rank (your/your child's) productivity on the same scale of 0 to 100, at times of the year when (your/your child's) asthma/health was at its worst?

Base: All respondents

Which Has Greater Impact on Quality of Life

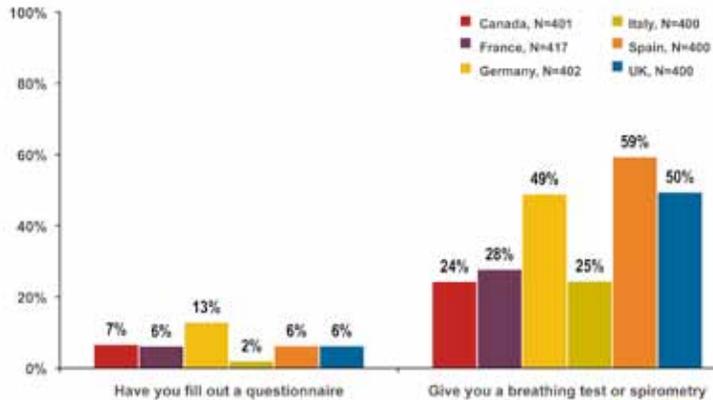


Question

Which has a greater impact on (your/your child's) quality of life: day to day asthma symptoms or sudden severe asthma episodes, or are they about the same?

Base: Had sudden severe episode in past year

How Doctor Usually Assesses Asthma

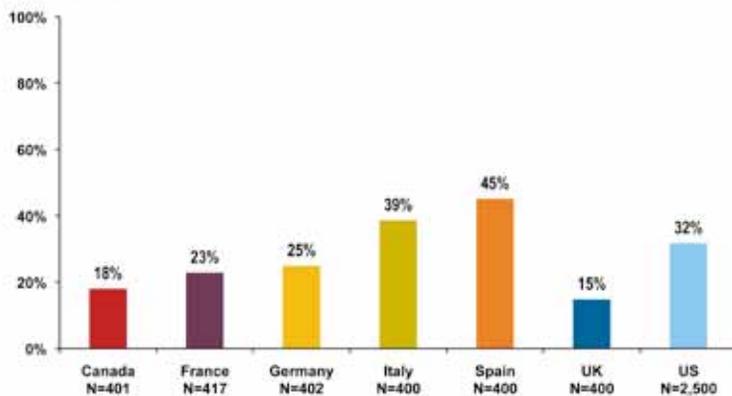


Question

How does (your doctor/your child's doctor) usually assess (your/your child's) asthma?
Does he or she usually...

Base: All respondents

Doctor-developed Written Action Plan for Asthma Treatment

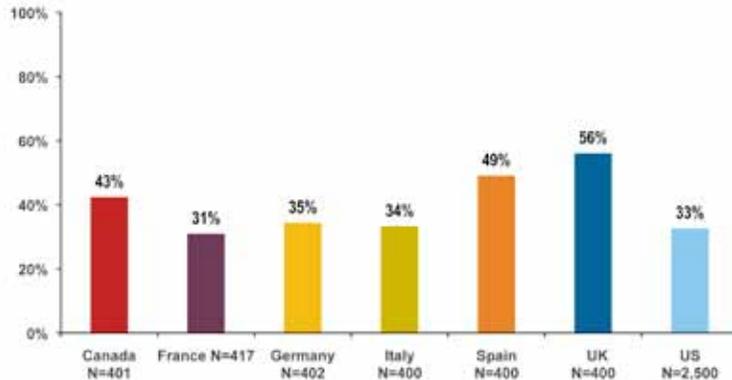


Question

Has (your/your child's) doctor or practice nurse developed a written action plan for (your/your child's) asthma treatment?

Base: All respondents

Used Inhaler at Least Once a Week for Quick Relief From Asthma Symptoms in the Past Year

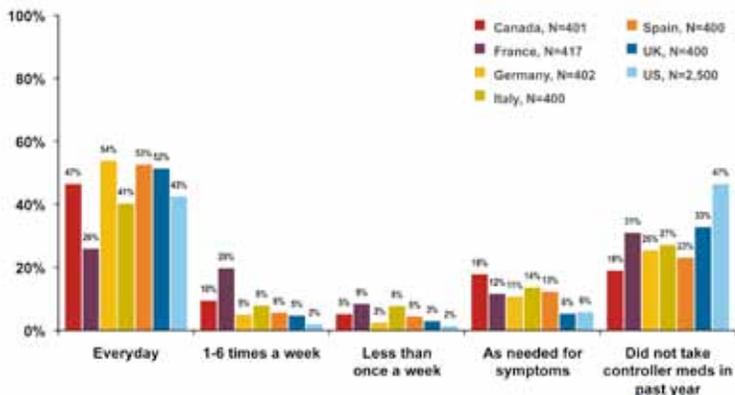


Question

How often (do you/does your child) use an inhaler for relief or rescue from asthma symptoms: daily, 3-6 times a week, 1-2 times a week, or less than once a week?

Base: All respondents

How Often Took Controller Medicine in Past Year

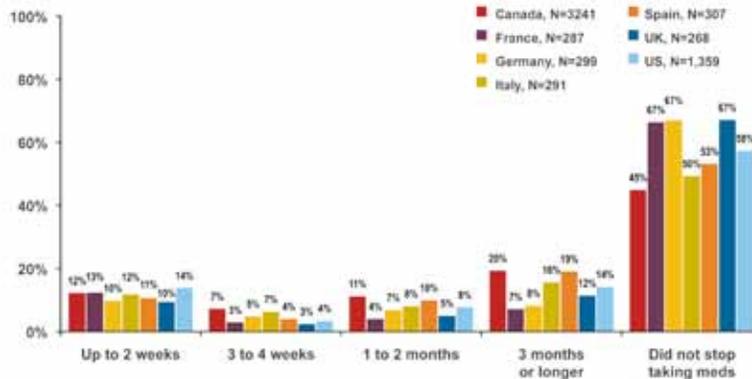


Question

How often (do you/does your child) take this medicine: every day at least twice a day, every day once a day, 4 to 6 days a week, 2 to 3 days a week, once a week, 2 to 3 times a month, once a month, less often than once a month, or as needed for symptoms?

Base: All respondents

Stopped Taking Controller Medication in Past Year

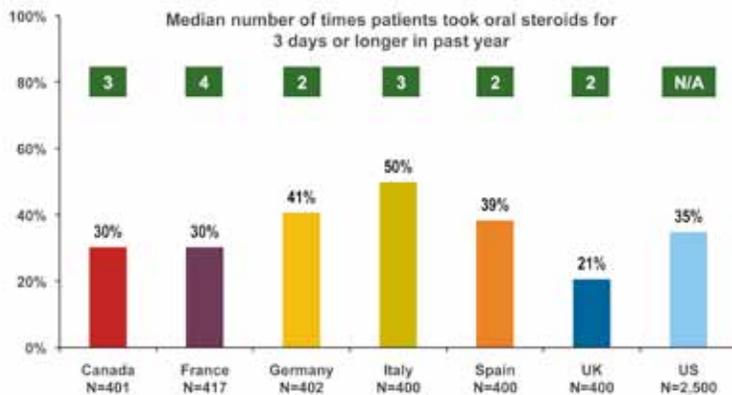


Question

For how long did (you/your child) stop taking (your/your child's) asthma control or prevention medicine the last time: a few days, 1 to 2 weeks, 3 to 4 weeks, 1 to 2 months, 3 to 5 months, or 6 months or longer?

Base: Took controller medicine in past year

Taken an Oral Steroid for Asthma Symptoms in Past Year

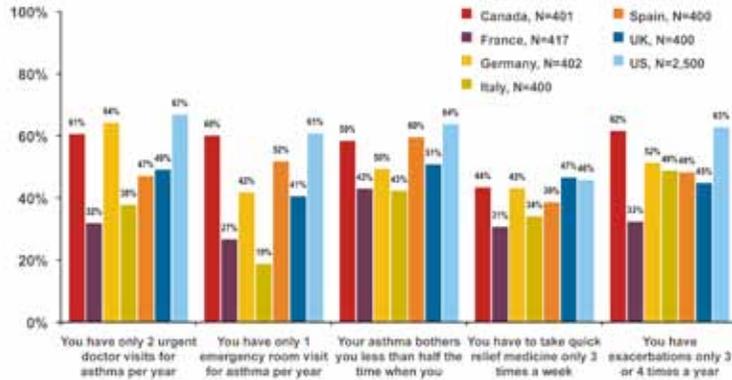


Question

(Have you/Has your child) had to take an oral steroid (pill or liquid) to manage (your/your child's) asthma symptoms in the past 12 months?

Base: All respondents

Attitudes About Asthma Management



Question

Would you consider (your/your child's) asthma is well controlled if...
 Base: All respondents



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