

A photograph of three people standing in a field of tall grass under a bright blue sky with scattered white clouds. They are all looking upwards with their arms raised in a gesture of joy or celebration. The person on the left is wearing a dark t-shirt and jeans. The person in the center is wearing a white lace top and a white skirt. The person on the right is wearing a dark tank top and dark pants. A semi-transparent white box is overlaid on the center of the image, containing the title and subtitle text.

Improving Lung Health and Reducing Health Care Costs

A Comprehensive Patient Care Model for
Managing COPD and Asthma

Presented to: Association of Family Health Teams of Ontario
October 26, 2011



The Lung Association

- One of Canada's oldest , most respected health related charities.
- Provides education and support to Ontarians living with lung disease
- Concentrates its efforts in in the following areas: chronic lung disease; tobacco control; and air quality.
- Has invested millions of dollars into lung health research carried out in Ontario



The Time is Now

- **One in 5 Ontarians living with lung disease**
- **Affects family members, colleagues, employers**
- **Healthcare is a major public policy issue**
- **Rising healthcare costs**



Our Call: An Ontario Lung Health Action Plan

- **The primary goal is to improve lung health and prevent lung disease among Ontarians while saving the province the associated costs**



- **2.4 million Ontarians have some form of lung disease**
- **Without intervention, this number will grow by 50 per cent to 3.6 million Ontarians over the next thirty years**



Ontario's direct and indirect healthcare costs in 2011:

- **Lung Cancer: \$300 million**
- **Asthma: \$1.8 billion**
- **COPD: \$3.9 billion**




- The cumulative economic burden of these diseases over a 30-year period is:
 - \$33.5 billion for lung cancer
 - \$96.7 billion for asthma
 - \$310.7 billion for COPD



Interventions

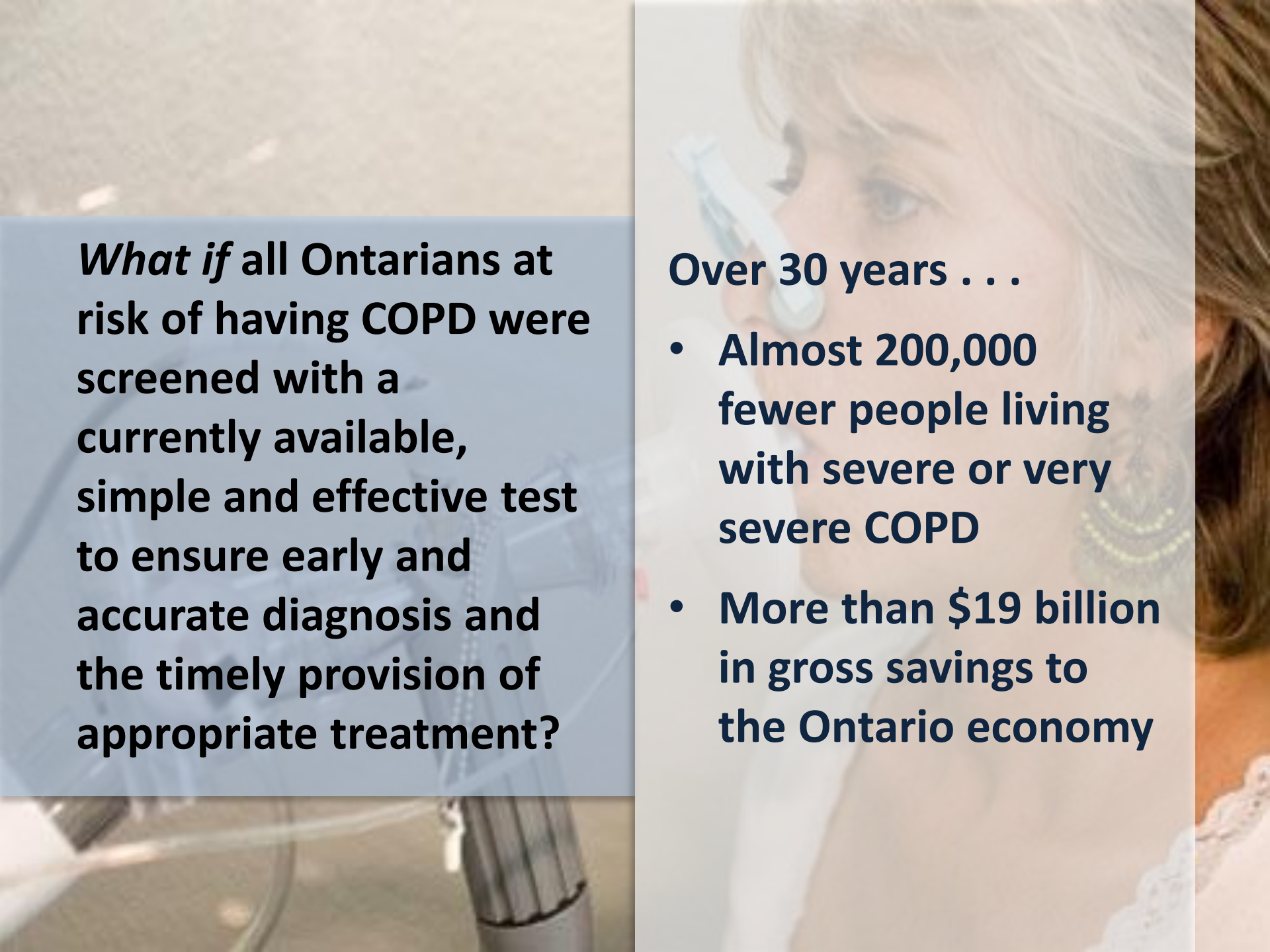
- **Evidence-based**
- **Currently available, yet not widely implemented**
- **Represent achievable change**

A close-up photograph of a hand holding a lit cigarette. The cigarette is held between the fingers, and the tip is glowing with a small flame. The background is dark and out of focus.

***What if* all Ontarians who want to quit smoking have access to behavioural counselling and medications that will help them do so?**

Over 30 years . . .

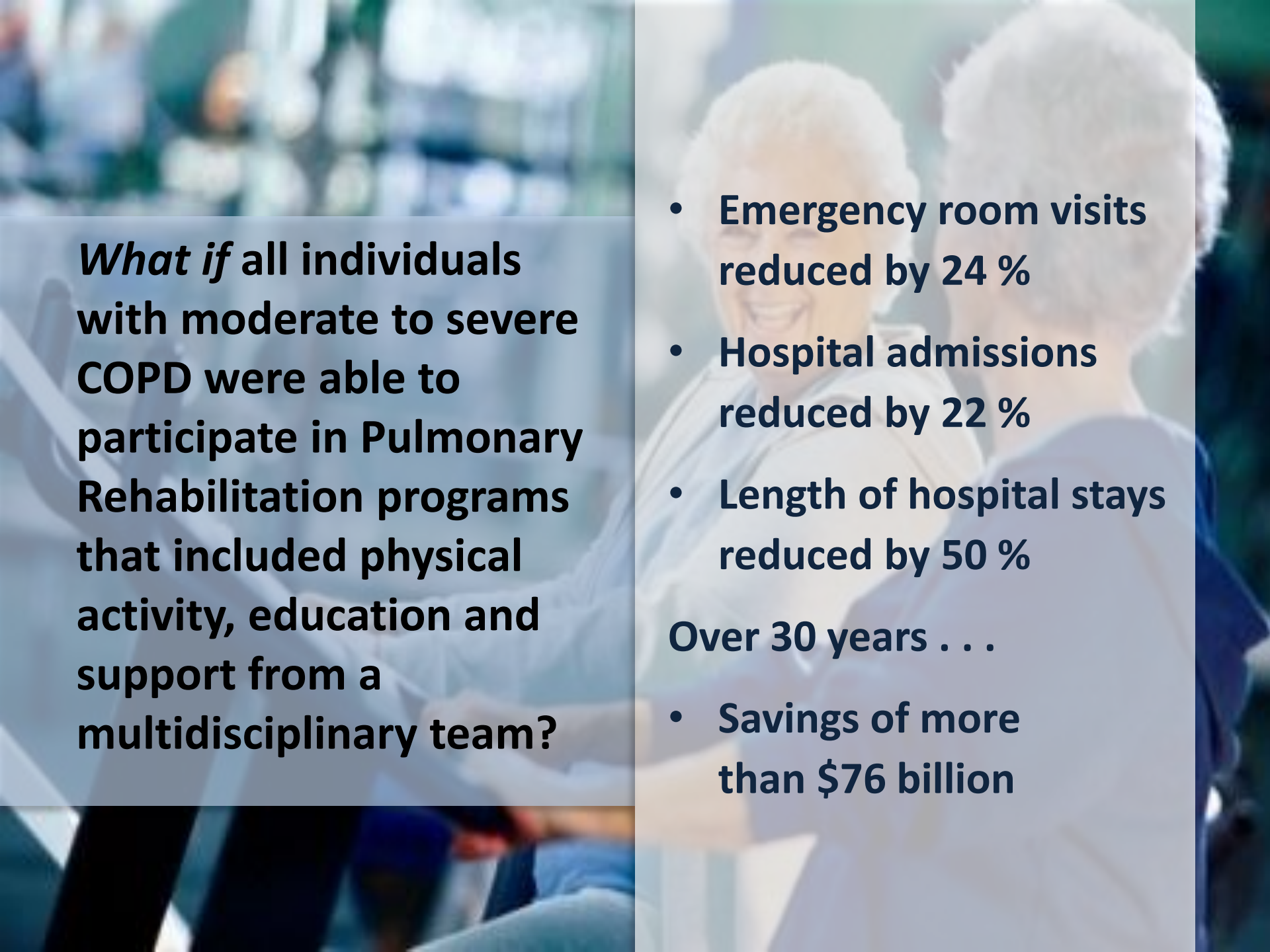
- **More than 62,000 fewer cases of lung cancer**
- **Almost 163,000 fewer cases of COPD**
- **More than \$36 billion in gross savings**

A woman with blonde hair is shown in profile, wearing a white nebulizer mask over her nose and mouth. She is looking slightly to the right. The background is a soft, out-of-focus light color. The text is overlaid on a semi-transparent blue box on the left side of the image.

***What if* all Ontarians at risk of having COPD were screened with a currently available, simple and effective test to ensure early and accurate diagnosis and the timely provision of appropriate treatment?**

Over 30 years . . .

- **Almost 200,000 fewer people living with severe or very severe COPD**
- **More than \$19 billion in gross savings to the Ontario economy**

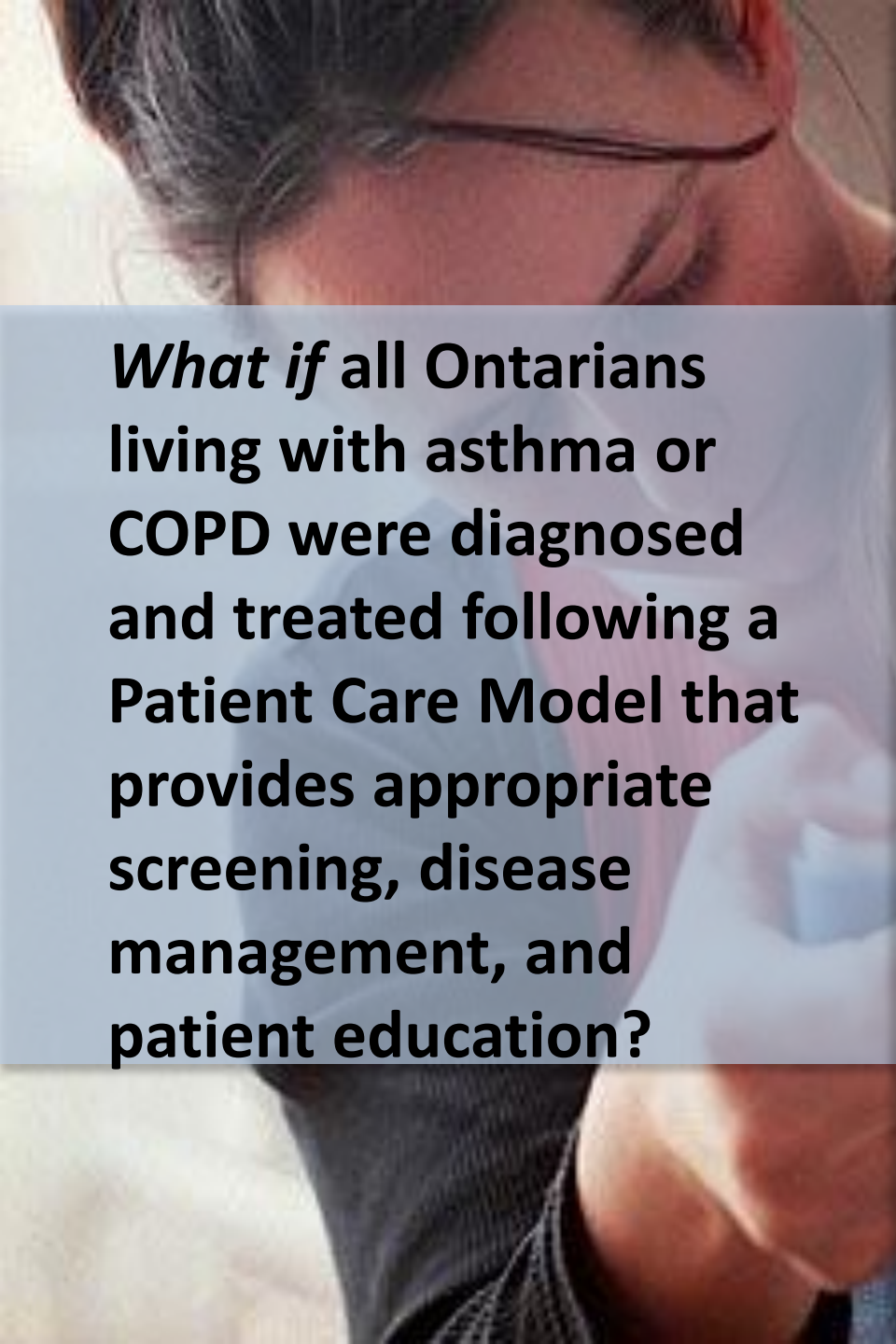


***What if* all individuals with moderate to severe COPD were able to participate in Pulmonary Rehabilitation programs that included physical activity, education and support from a multidisciplinary team?**

- **Emergency room visits reduced by 24 %**
- **Hospital admissions reduced by 22 %**
- **Length of hospital stays reduced by 50 %**

Over 30 years . . .

- **Savings of more than \$76 billion**



***What if* all Ontarians living with asthma or COPD were diagnosed and treated following a Patient Care Model that provides appropriate screening, disease management, and patient education?**

- **70% fewer children would go to ER for asthma**
- **Hospitalizations and ER visits for COPD would be reduced by 40%**

Over 30 years . . .

- **More than \$129 billion in cumulative gross savings**

A silhouette of a person's head and shoulders is shown in the lower-left corner, blowing into a circular wand. A stream of bubbles is being blown upwards and to the right, against a bright blue sky with scattered white clouds. The bubbles are translucent and vary in size. The overall scene is bright and airy, suggesting a sense of hope or aspiration.

PCAP MODEL

- **Provincial Coordinator support**
- **Program Standards**
- **Provider Education**
www.olapep.ca
- **Asthma Care Map**
- **Asthma Action Plan**
- **Asthma Diagnosis & Management Algorithm**
- **The Lung Association's Asthma Action Helpline**



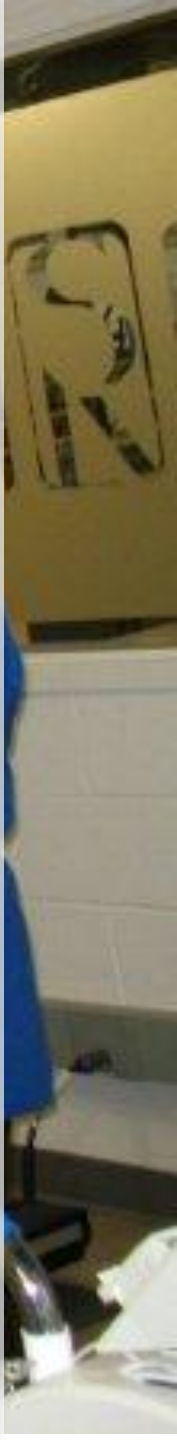
COPD Model

- **Helpline**
- **Educational materials:
Fact sheets (home
exercise module,
medications, coping
strategies...)**
- **Website**
- **Newsletter**
- **Team COPD**



COPD Model

- **COPD Care Map (OTS/ORCS endorsed)**
- **CTS COPD Action Plan**
- **Living Well with COPD**
- **COPD Clinics & Pulmonary Rehabilitation Programs set up support**
- **RespTrec and SpiroTrec training**





- **Respiratory Health Forum for FHTs and CHCs, January 25, 26, 2012**

- **Better Breathing 2012 conference January 26 – 28, 2012**