



Professor Lutz Beckert

Respiratory Physician, Canterbury DHB

Head, Department of Medicine, University of Otago

Friday, August 12, 2016

(Plenary)

9:25 - 9:50 Why Asthma Still Kills



Große Freiheit 9-3

Why asthma still kills

- In 2012 in the UK 195 people died of asthma
- National Review of Asthma Death – Mark Levy
- Story of 'George'.

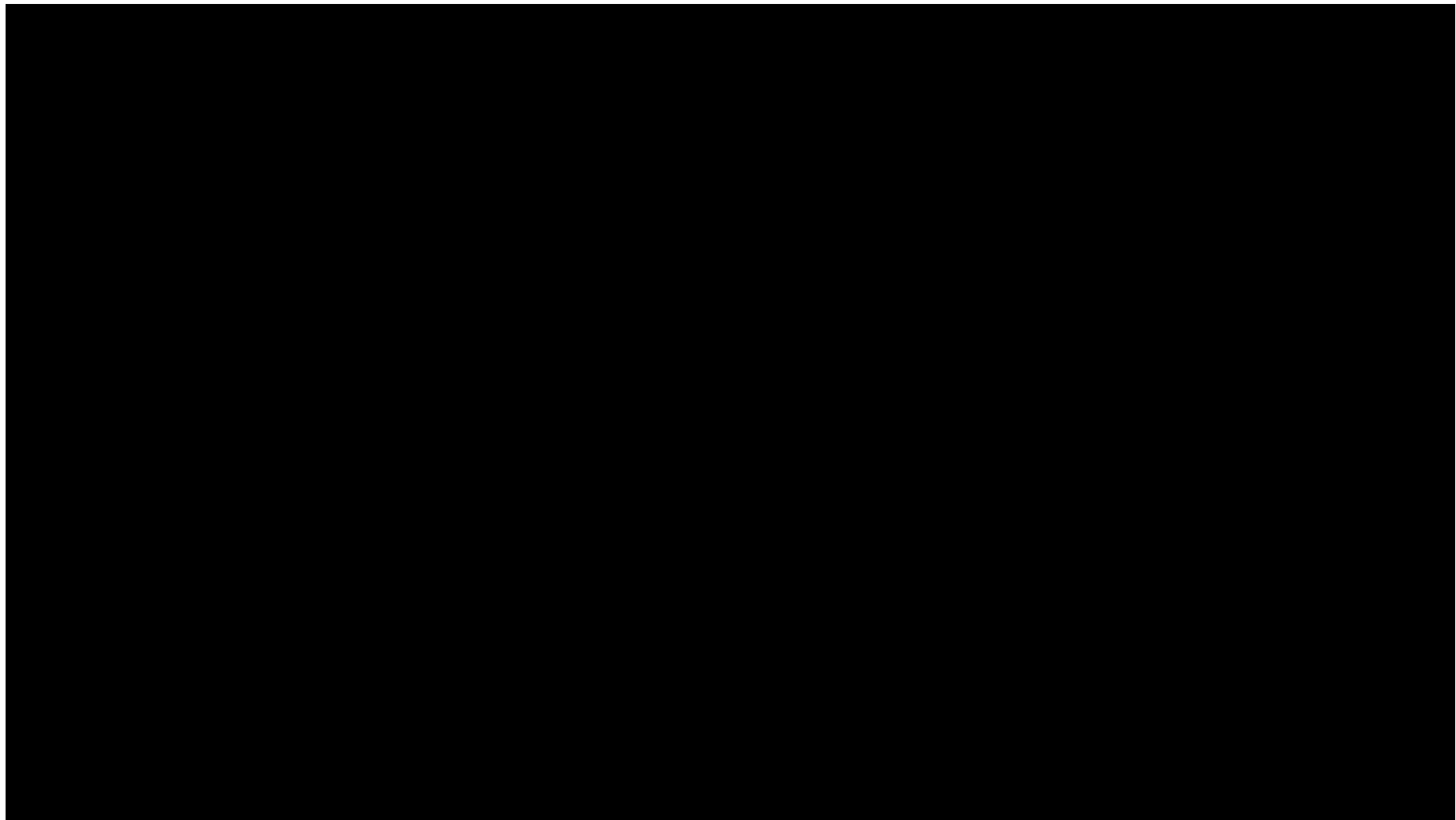


What has this student done well?

What aspects of asthma care are covered?

To answer the above questions:

- Using the GP CME App select the “Live Q&A” option.
- ensure you are ‘logged in’ (top left corner).
- This session “Why does asthma still kill?” will be shown.
- Submit your comment.

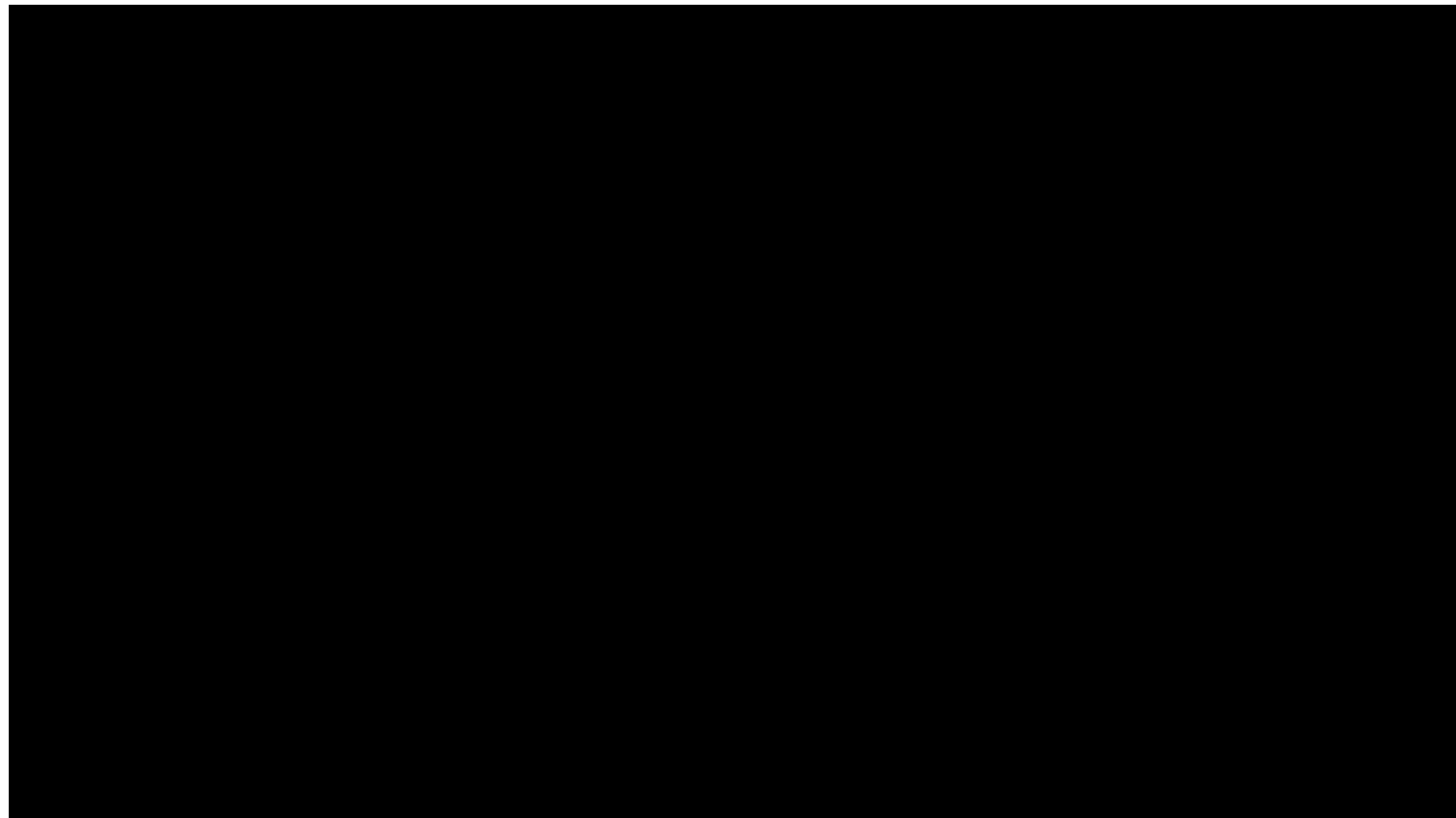


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Why asthma still kills

The National Review of Asthma Deaths (NRAD)

Confidential Enquiry report
May 2014

Commissioned by:



Supported by:



Eastern Region Confidential
Enquiry of Asthma Deaths



Health Services

- 87 (45%) died without seeking medical help.
- 112 (57%) were not under specialist care
- 90 (47%) had a previous admission for asthma
- 40 (21%) attended ED with the year
- 19 (10%) died within 28 of discharge from hospital



Medical and Professional Care

- 44 (23%) had a written management plan
- 84 (43%) had no review of their asthma within last year.
- Trigger factors were recorded in half of these patients.
- 14 (9%) were treated for **mild** asthma
- 76 (49%) were treated for **moderate** asthma
- 89 (46%) of the death could have probably been avoided.

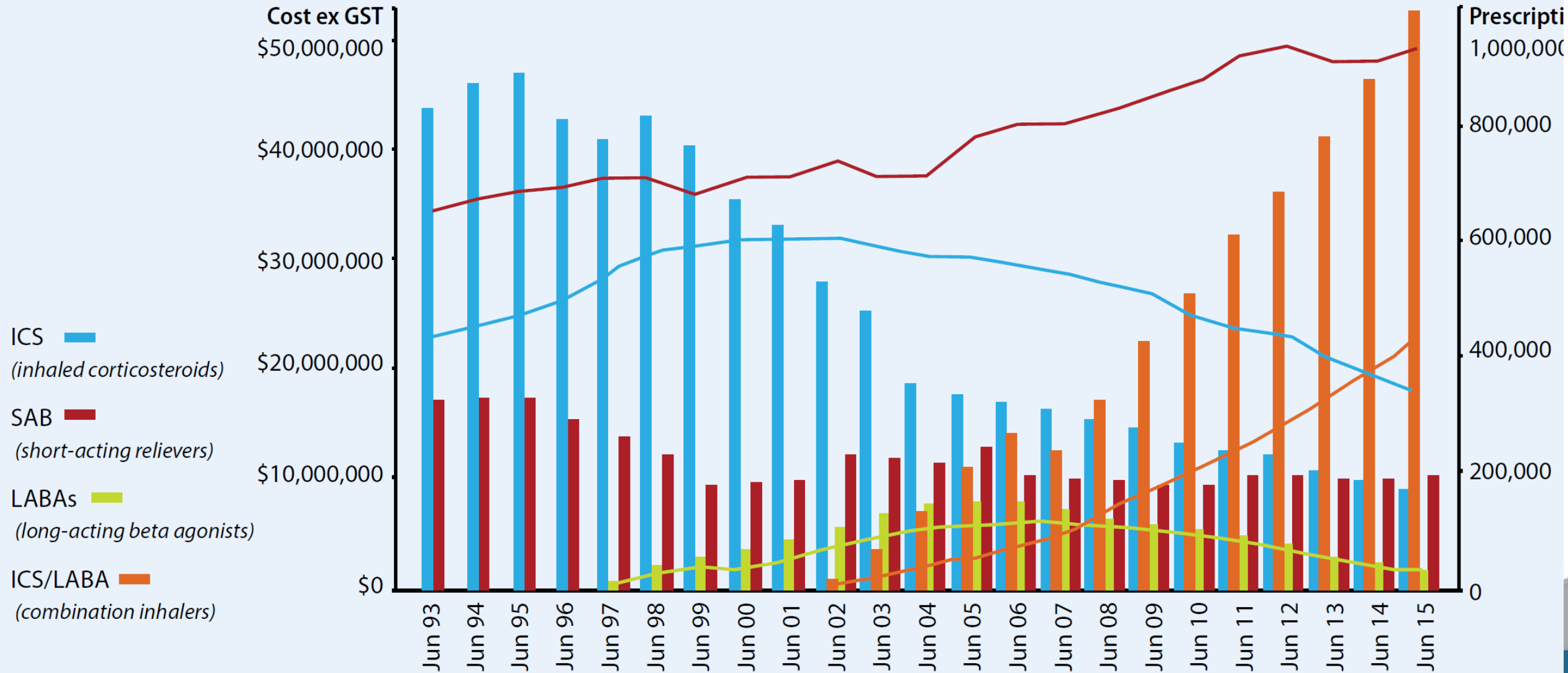


Prescribing and medicine use

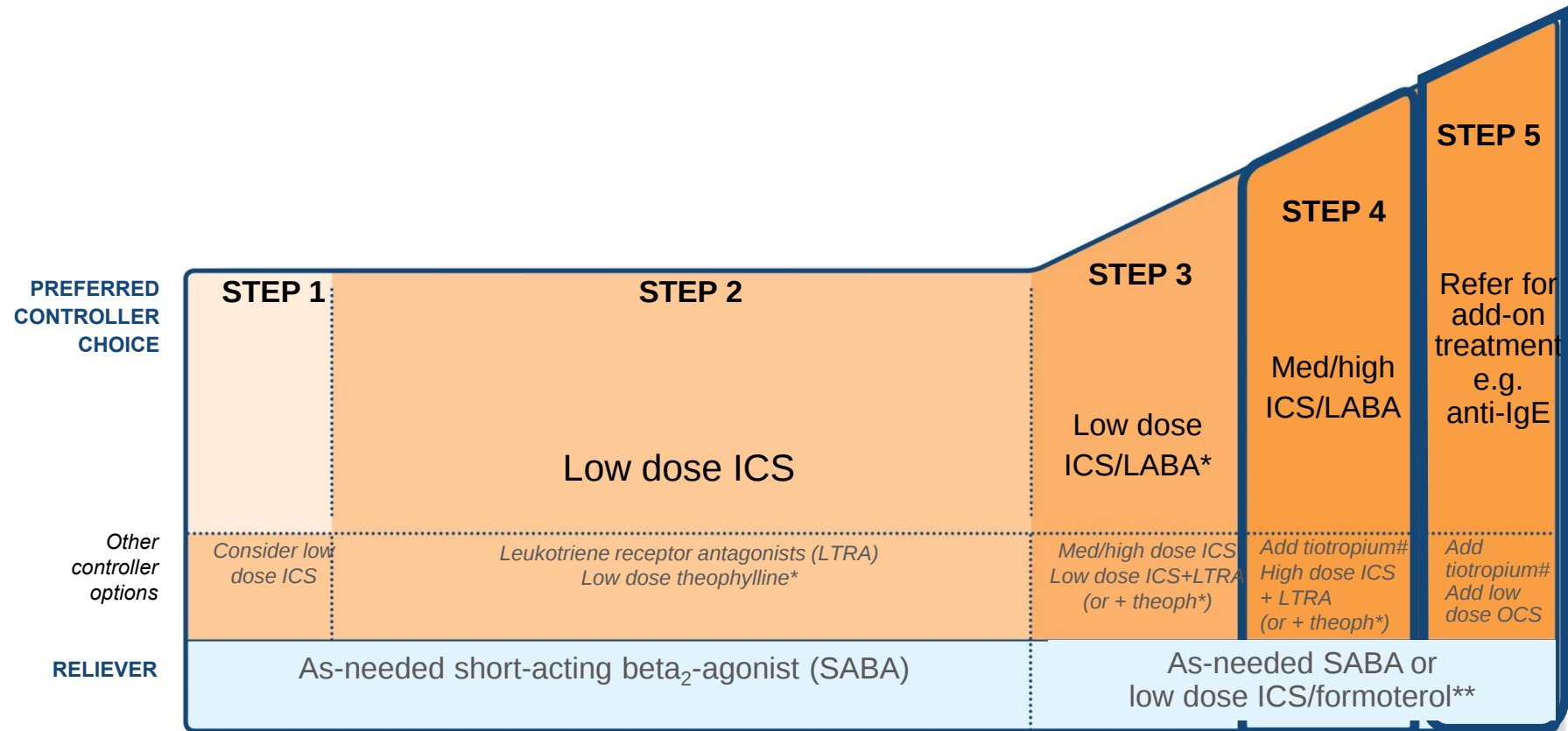
- Over-prescribing of salbutamol
 - 39% more than 12 inhalers / year
 - 4% more than 60 inhalers / year
- Under-prescribing of inhaled steroids
 - 80% fewer than 12 preventer / year
 - 38% fewer than 4 preventer / year
- Inappropriate prescribing of LABA
 - 27 (14%) had LABA single component
 - 5 (3%) had LABA monotherapy



Asthma



GINA 2016

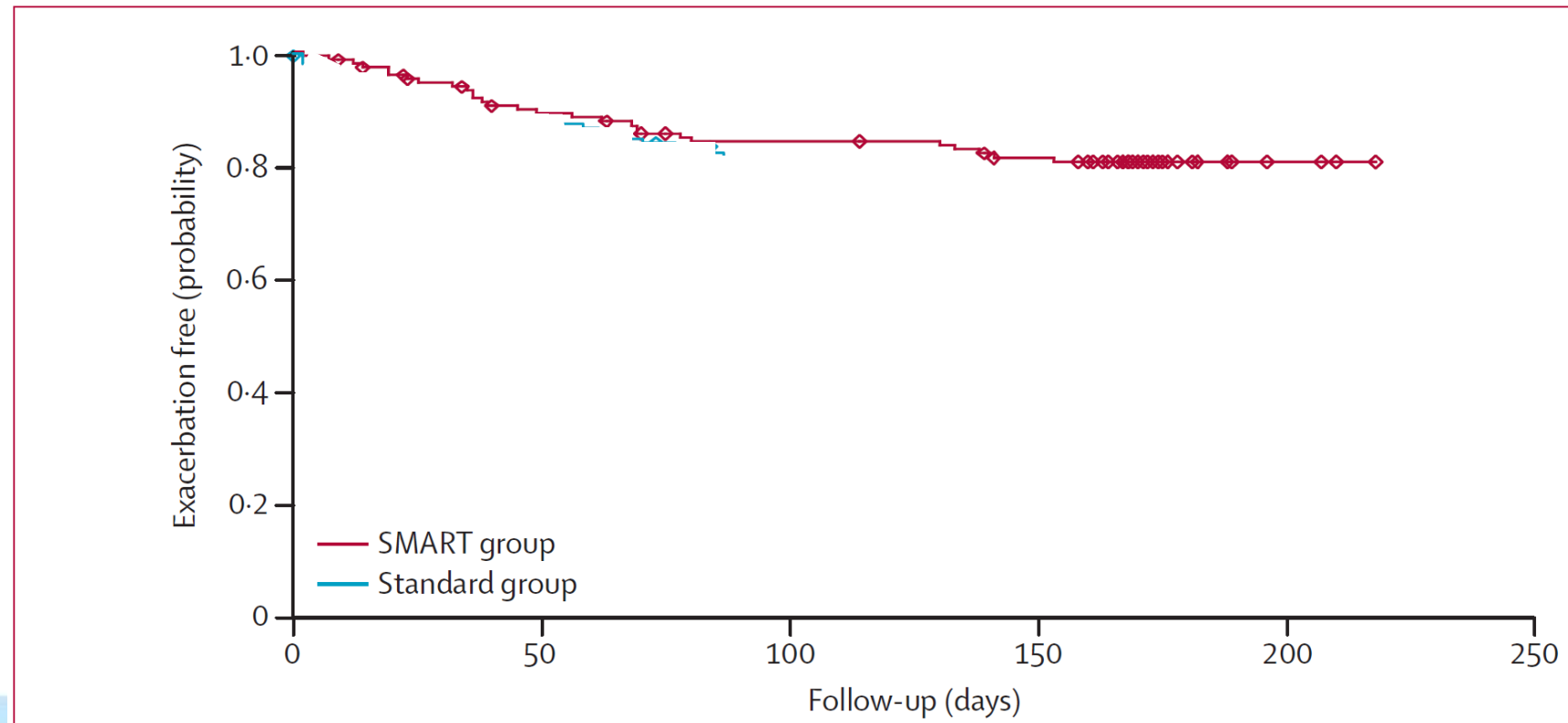


*For children 6-11 years, theophylline is not recommended, and preferred Step 3 is medium dose ICS

**For patients prescribed BDP/formoterol or BUD/formoterol maintenance and reliever therapy

Efficacy and safety of maintenance and reliever combination budesonide–formoterol inhaler in patients with asthma at risk of severe exacerbations: a randomised controlled trial

Mitesh Patel, Janine Pilcher, Alison Pritchard, Kyle Perrin, Justin Travers, Dominick Shaw, Shaun Holt, Matire Harwood, Peter Black†, Mark Weatherall, Richard Beasley, for the SMART Study Group



Question!

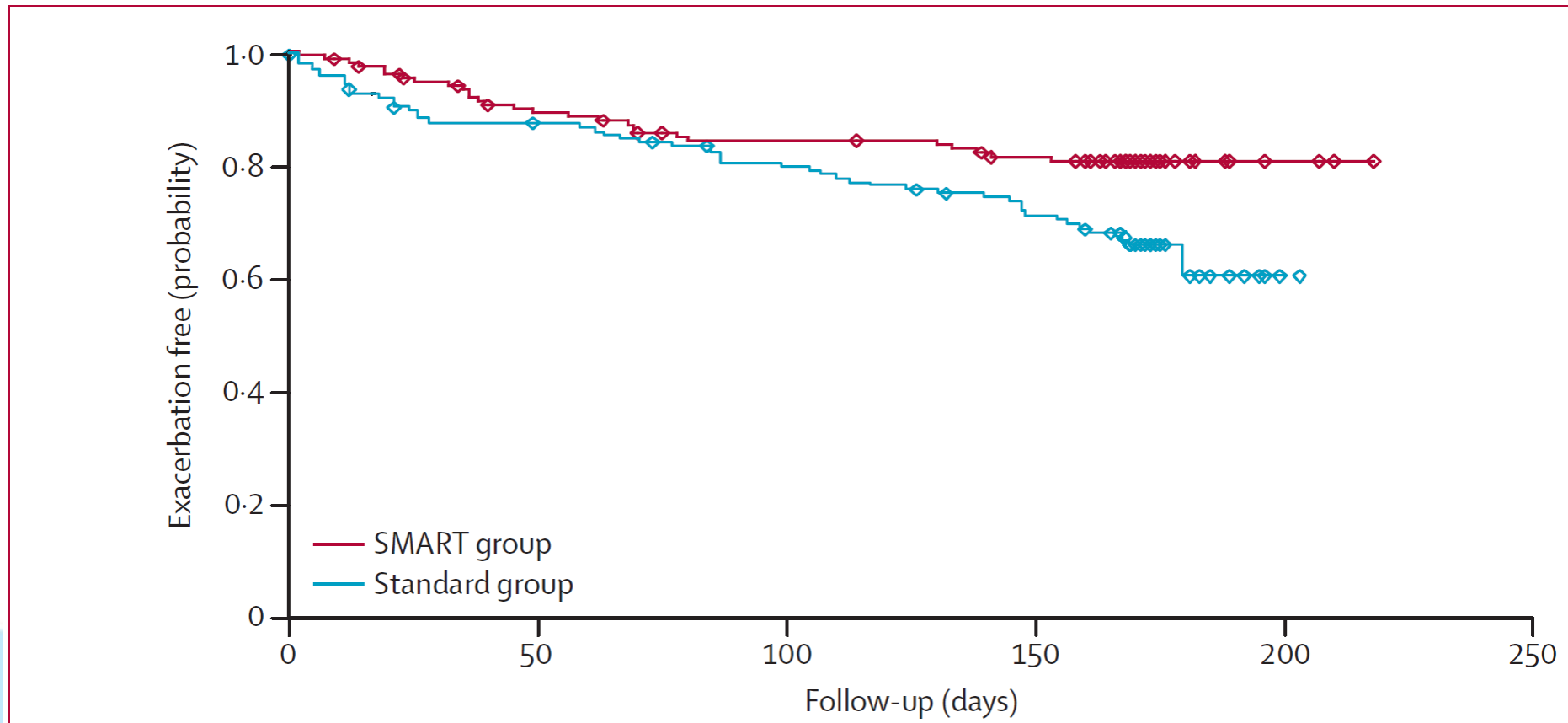
If you wanted to worsen asthma control, what would you do?

To answer the above question:

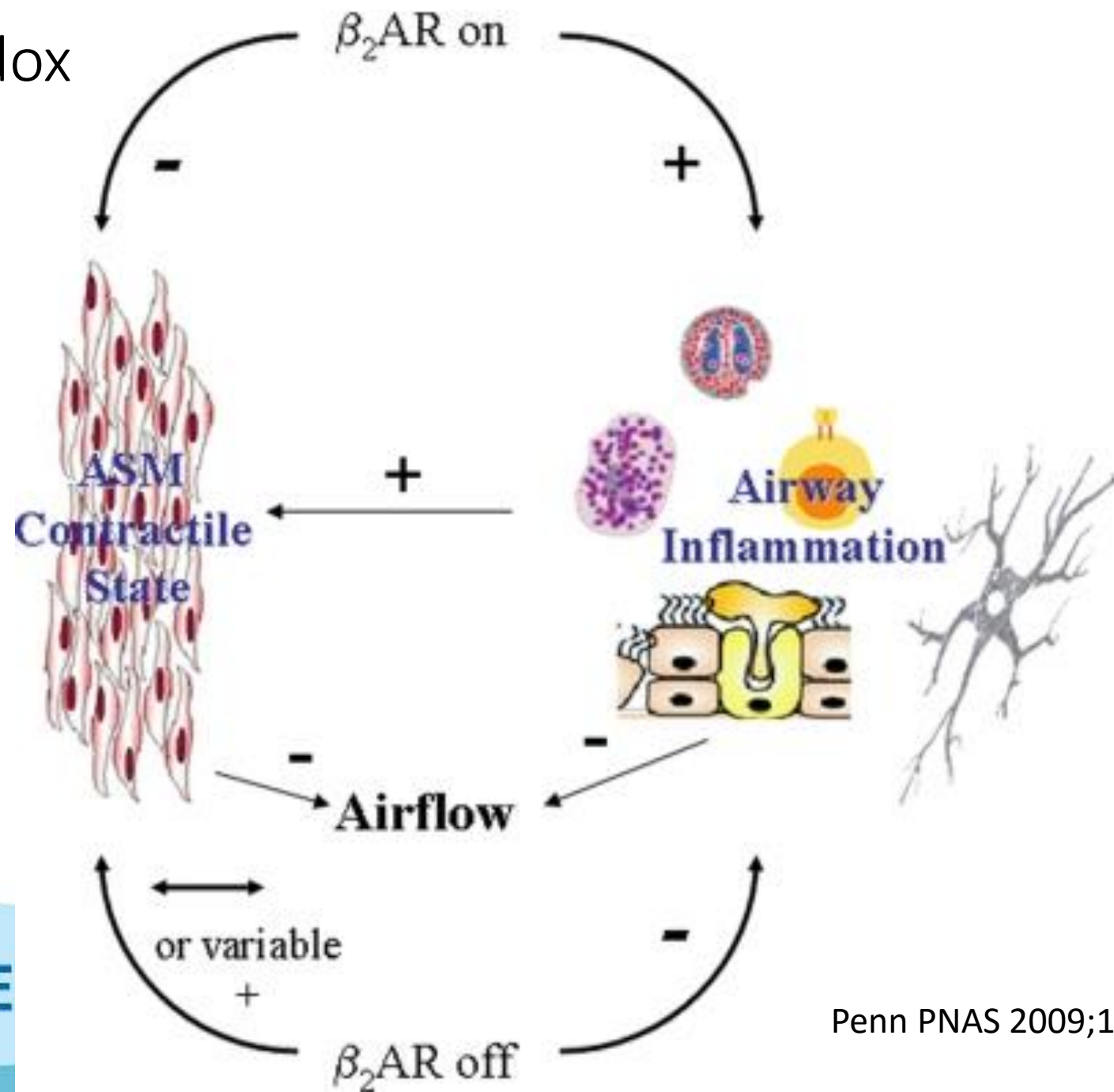
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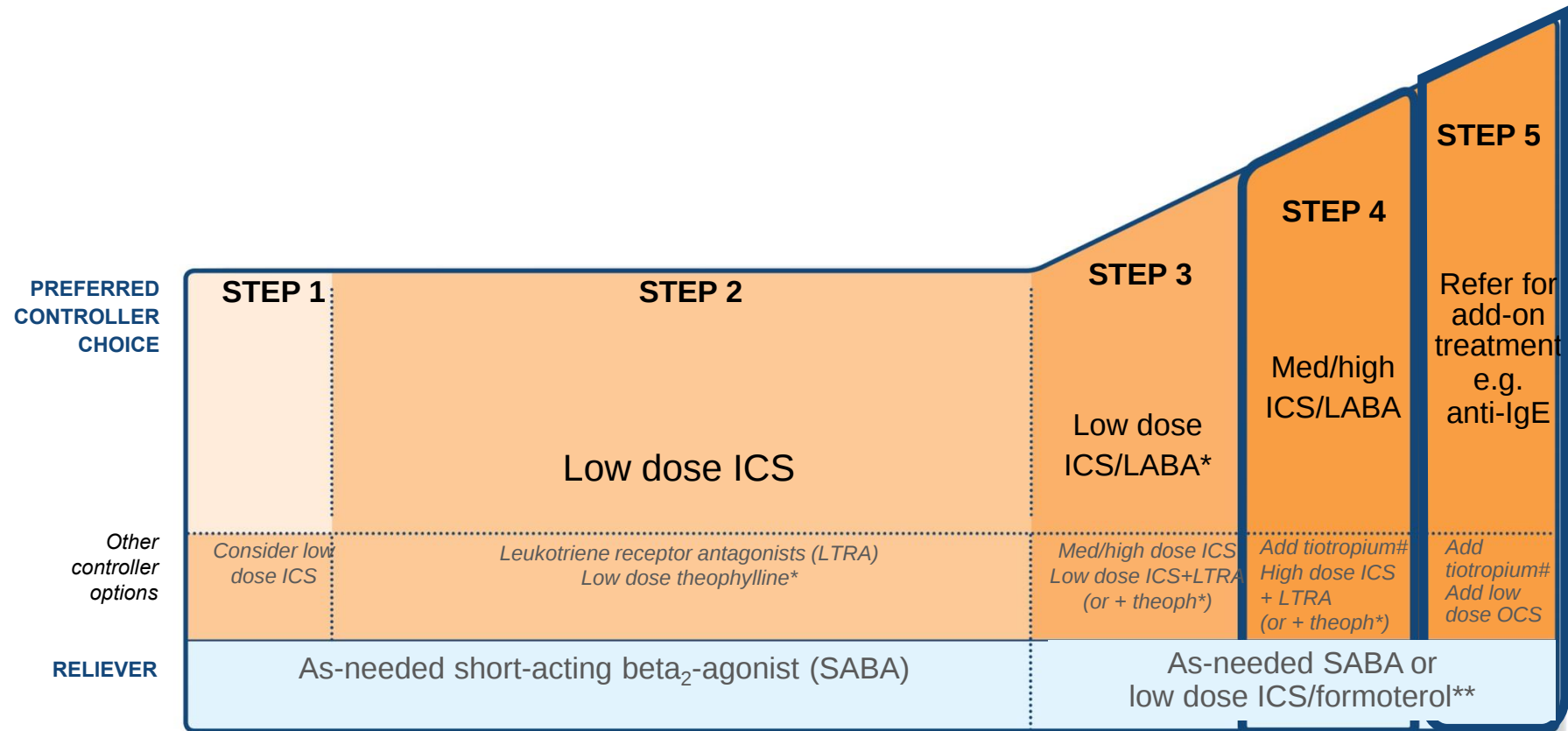
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Beta agonist paradox



GINA 2016



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Patient factors

- 126 (65%) had avoidable factors related to patient, family or environment. 37 (19%) smoked
- 70% of children had poor recognition of risk factors of adverse outcome
- Medium age of asthma diagnosis is age 37.
- Most people who died had adult onset asthma (69%)
- Depression, mental health (32) (16%) and substance abuse in 12 (6%)



Why asthma still kills!

- Use of Health Services
- Medical and professional care
- Prescribing and medicine use
- Patient factors

- www.rcplondon.ac.uk/nrad

How can we improve asthma care?





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