

The background of the slide features a view of Earth from space, showing the Americas. Overlaid on this is a central point from which numerous colorful beams of light (purple, blue, green, yellow) radiate outwards, creating a starburst effect. The text is centered over this graphic.

A New Era for Treating and Preventing Asthma Exacerbations



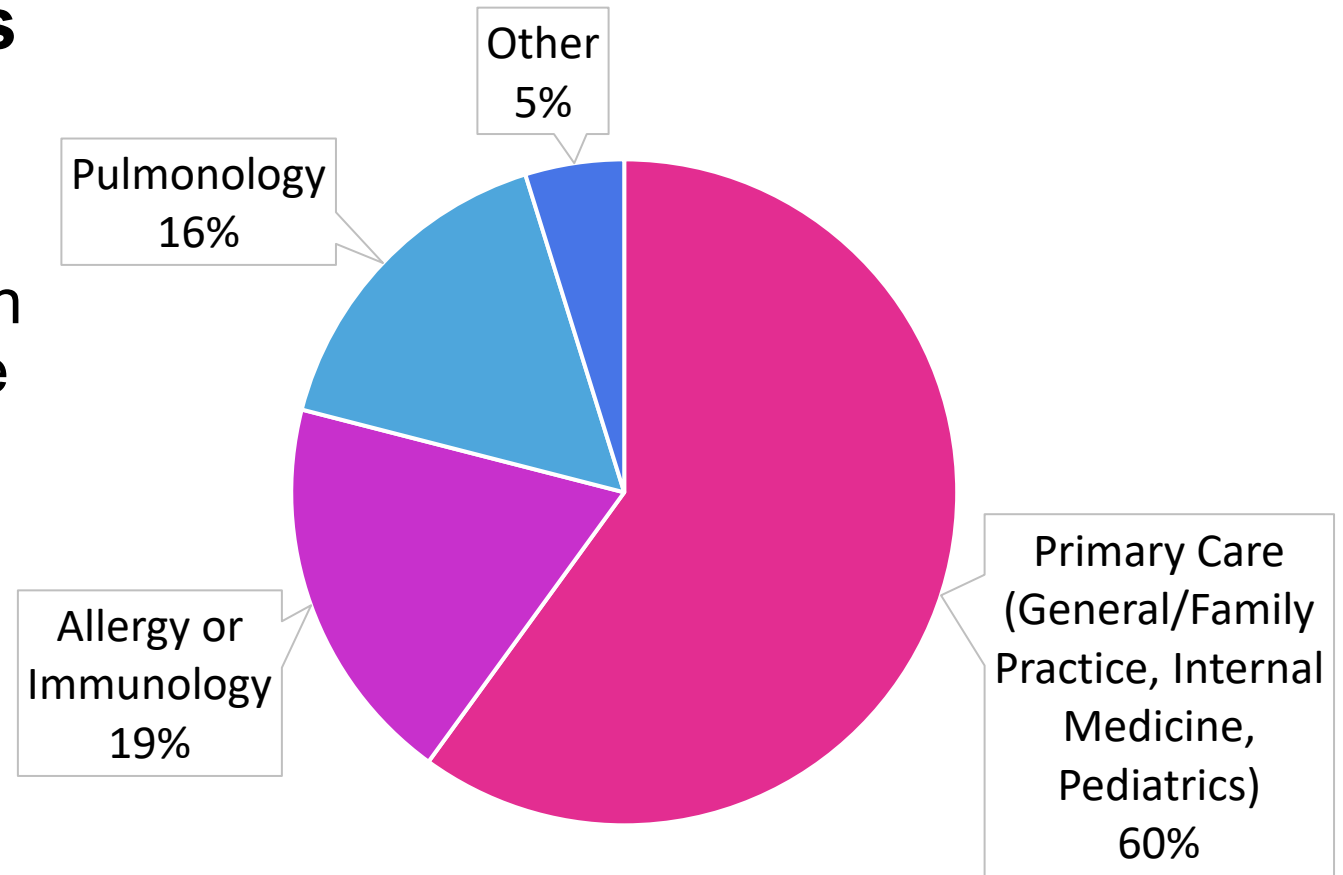
A New Era for Treating and Preventing Asthma Exacerbations

**PART ONE:
Asthma Management for PCCs**

Asthma – The Role of PCCs

60% of all asthma visits conducted by PCCs

- The majority of patients with asthma can successfully be managed by PCCs



PCCs, primary care clinicians

Managing Asthma in Primary Care

International guidance: 2023 GINA Report

US Guidelines: NAEPP 2020

- Major components of asthma management:
 - Selection of initial therapy
 - Based on assessment of current asthma severity
 - Assessment of asthma control and risk of exacerbations
 - Adjusting therapy based on a stepwise approach

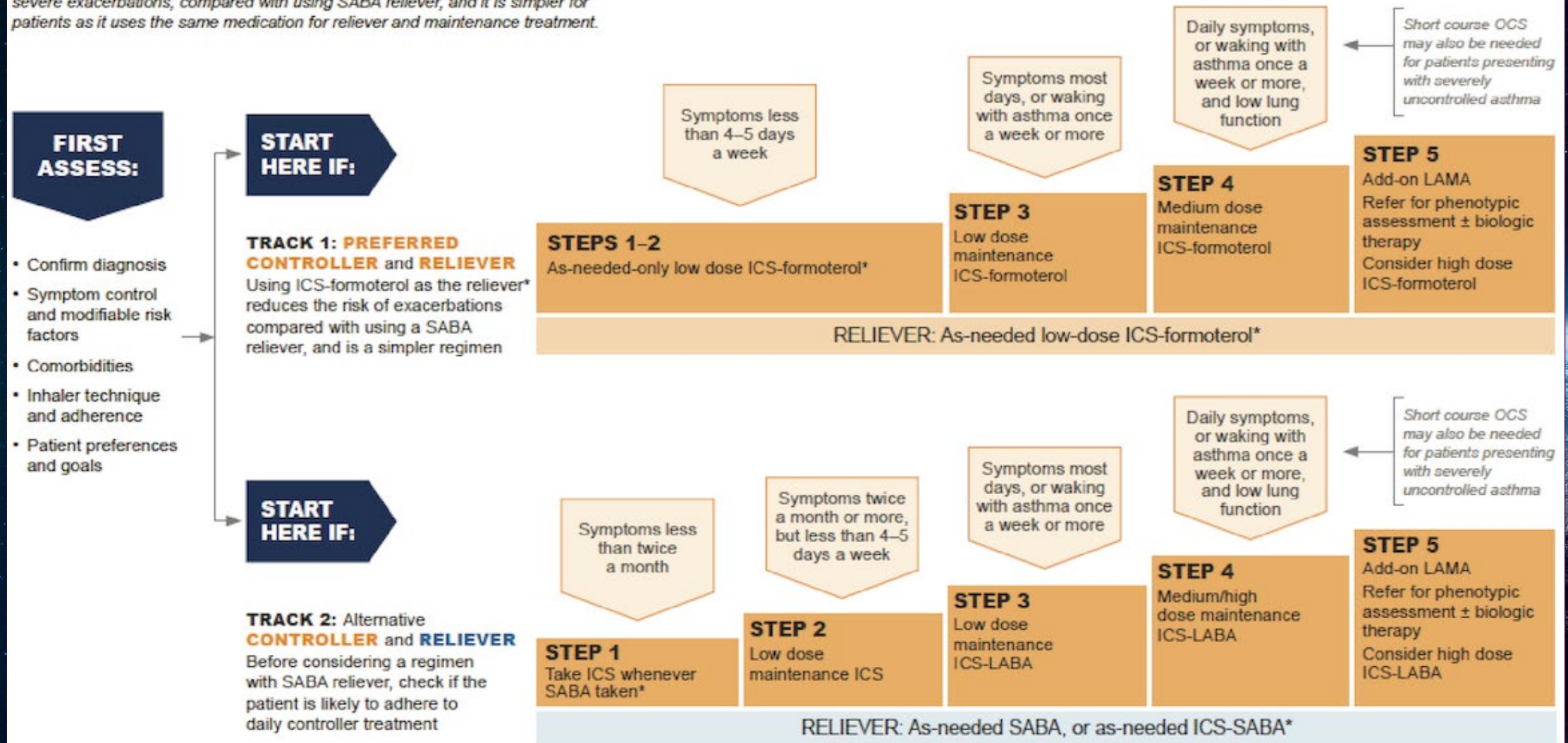
GINA, Global Initiative for Asthma; NAEPP, National Asthma Education and Prevention Program

Cloutier MM, et al. *J Allergy Clin Immunol*. 2020;146(6):1217-1270. Global Initiative for Asthma. Global Strategy for Asthma Management and Prevention, 2023. Available from: www.ginasthma.org

GINA 2023 – STARTING TREATMENT in adults and adolescents with a diagnosis of asthma

Track 1 using ICS-formoterol reliever is preferred because it reduces the risk of severe exacerbations, compared with using SABA reliever, and it is simpler for patients as it uses the same medication for reliever and maintenance treatment.

GINA Treatment Approach



*Anti-inflammatory relievers (AIR)

ICS, inhaled corticosteroids; SABA, short-acting beta₂-agonist; LABA, long-acting beta₂-agonist; OCS, oral corticosteroids; LAMA, long-acting muscarinic antagonist

GINA Treatment Approach – Initial Assessment

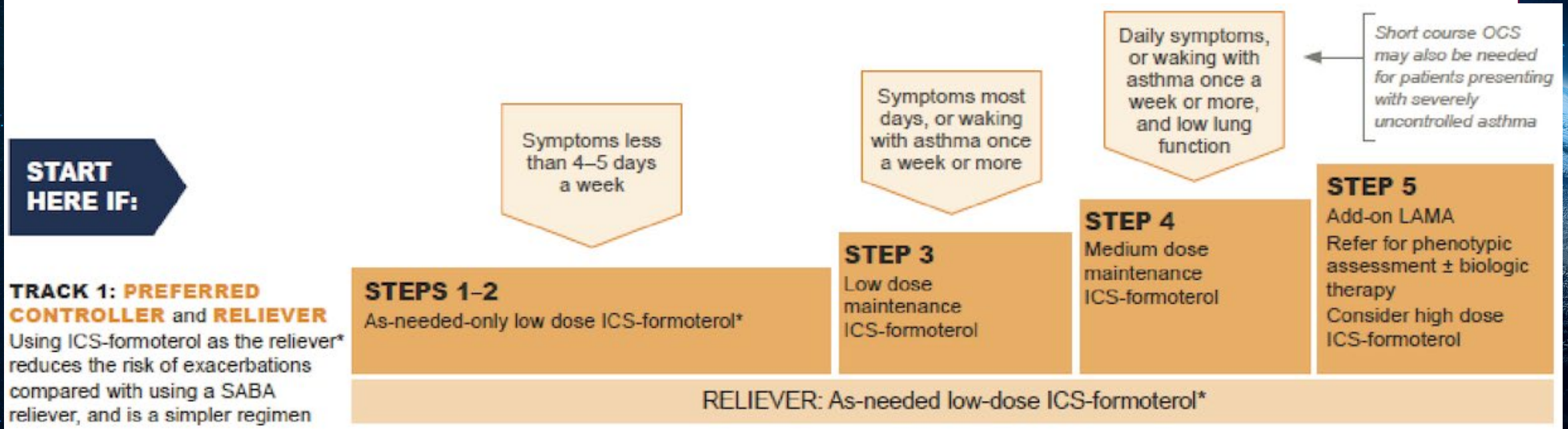
FIRST ASSESS:

- Confirm diagnosis
- Symptom control and modifiable risk factors
- Comorbidities
- Inhaler technique and adherence
- Patient preferences and goals

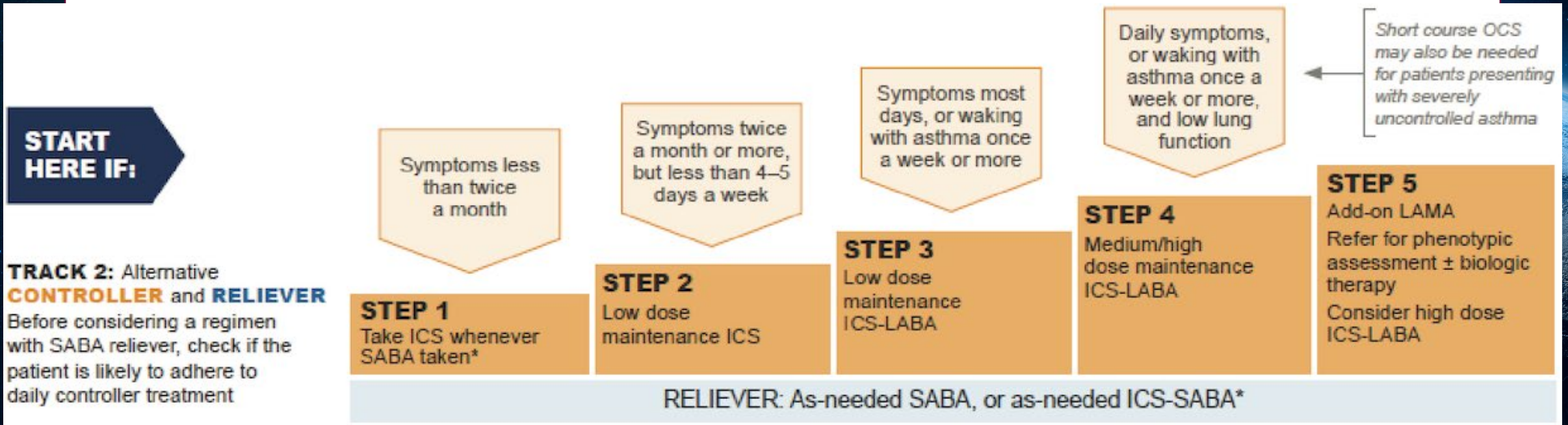
GINA 2023 – STARTING TREATMENT in adults and adolescents with a diagnosis of asthma

Track 1 using ICS-formoterol reliever is preferred because it reduces the risk of severe exacerbations, compared with using SABA reliever, and it is simpler for patients as it uses the same medication for reliever and maintenance treatment.

GINA Treatment Approach – Track 1



GINA Treatment Approach – Track 2



Asthma – When to Refer

- While many patients with asthma can be successfully managed in primary care it requires adequate training and equipment
- Specialist referral is warranted in some cases
 - Involving specialists (pulmonologists, allergists) can lead to improved outcomes for certain patients

Common Reasons for Specialist Referral

Suspected alternative pulmonary diagnosis

Unable to confirm asthma diagnosis by usual means

Suspicion of occupational asthma

Persistently uncontrolled disease

Severe disease requiring specialized therapy

Assessing Asthma Control

- Determining asthma control is essential for optimizing therapy and achieving treatment goals
- Validated asthma assessment tools acknowledged in GINA and NAEPP
 - GINA and NAEPP each also have a separate set of questions to assess control

- GINA: symptom control should be assessed “at every opportunity”
- NAEPP: periodic assessments at 1–6-month intervals and “ongoing

Validated Asthma Assessment Tools

Assessment Tool	Description
Asthma Control Test (ACT)	<ul style="list-style-type: none">• Scores range from 5-25 with higher scores indicating better control• Score of 20-25 indicates well-controlled asthma, and the maximum clinically important difference is 3 points

Validated Asthma Assessment Tools (cont.)

Assessment Tool	Description
Asthma Therapy Assessment Questionnaire (ATAQ)	<ul style="list-style-type: none">• 4-question assessment with scores ranging from 0-4• Higher score indicates worse asthma control

Validated Asthma Assessment Tools (cont.)

Assessment Tool	Description
Asthma Control Questionnaire (ACQ)	<ul style="list-style-type: none">• Includes 5 symptom questions• SABA rescue use included in ACQ-6 and pre-bronchodilator forced expiratory volume in 1 second (FEV1) included in ACQ-7• Scores range from 0-6, with higher scores indicating worse asthma control• Total score is an average of individual items

Validated Asthma Assessment Tools (cont.)

Assessment Tool	Description
Asthma Impairment and Risk Questionnaire (AIRQ)	<ul style="list-style-type: none">• Incorporates both impairment and risk assessment• Scores range from 0-10, with a score of 0-1 indicating well-controlled asthma and higher scores representing worsening asthma control• Follow-up version of AIRQ available intended to assess control with a 3-month recall period, in between annual visits

Preventing Asthma Exacerbations

Preventing exacerbations is a key outcome for treating asthma

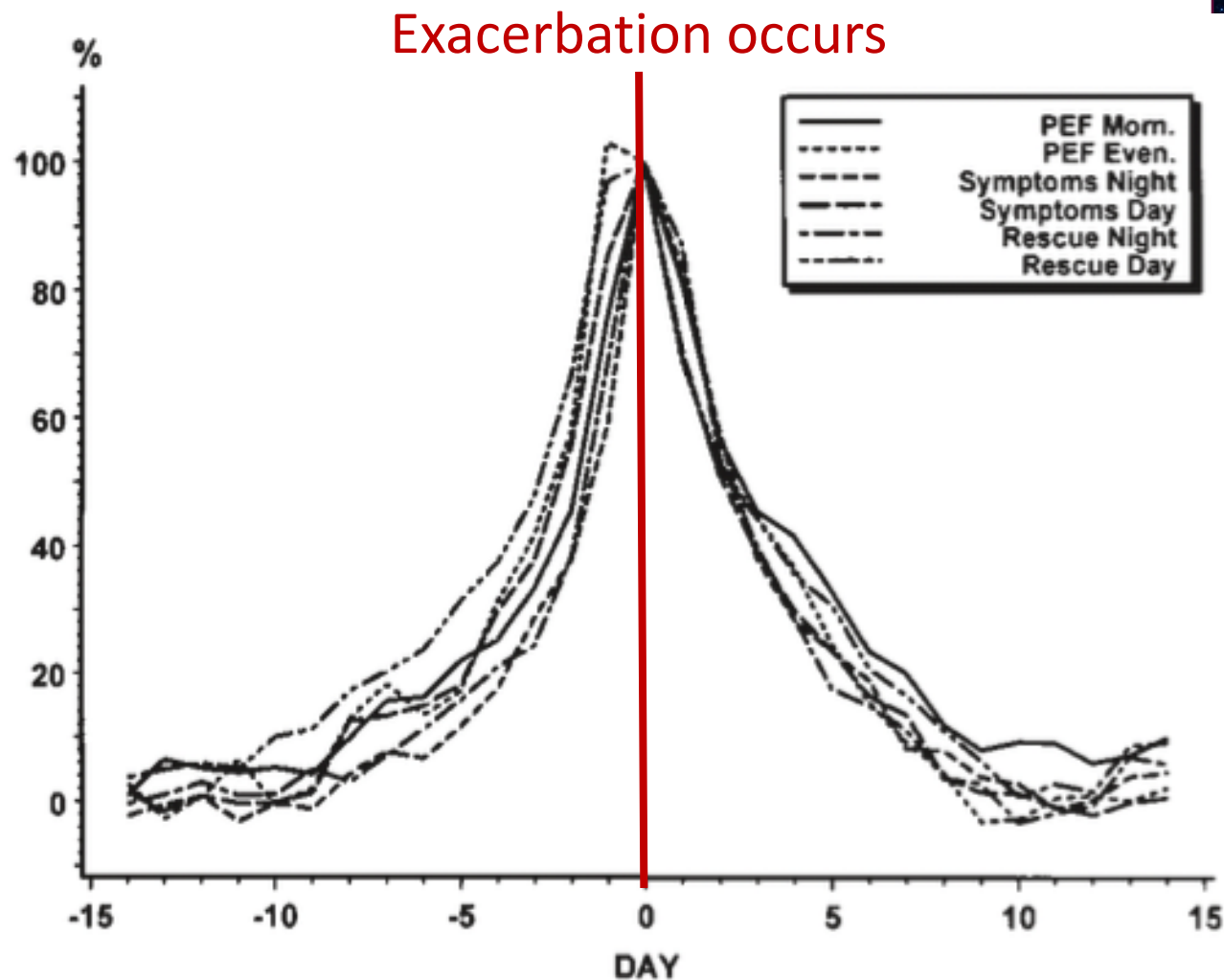
- Fewer exacerbations leads to:
 - Fewer visits to the emergency department
 - Lower rates of hospitalization
 - Lower mortality rates
 - Improvement in quality of life
- Regular ICS use leads to reductions in exacerbations across asthma severity levels
- Adding a fast-acting bronchodilator to ICS as rescue or maintenance and rescue therapy has demonstrated additional benefit

Preventing Asthma Exacerbations: The Window of Opportunity

10-14 days before an exacerbation:

- Peak expiratory flow worsens
 - (inverse relationship shown in figure)
- Symptoms increase
- SABA use increases

The time leading up to an exacerbation may offer a window of opportunity to mitigate exacerbation occurrence or severity with anti-inflammatory therapy (ICS)



Summary and Key Takeaways

- Most asthma visits (60%) are conducted in primary care – PCCs play a significant role in asthma management
- The GINA 2023 Report provides the most updated guidance for asthma care based on current evidence
- GINA step therapy approaches emphasize the use of ICS with SABA for rescue/reliever therapy
- Several tools are available to assess asthma control
- Early intervention with ICS can prevent asthma exacerbations



A New Era for Treating and Preventing Asthma Exacerbations

**PART TWO:
Navigating Patient Access and
Costs of Asthma Care**

Asthma Overview

Definition of asthma:

“Asthma is a heterogenous disease, usually characterized by chronic airway inflammation. It is defined by the history of respiratory symptoms, such as wheeze, shortness of breath, chest tightness and cough, that vary over time and in intensity, together with variable expiratory airflow limitation. Airflow limitation may later become persistent.”¹

- 2023 GINA Report

- Asthma affects approximately 339 million people worldwide^{1,2}
- Despite significant advances in guidance and treatments, asthma continues to cause substantial health burden^{1,2}

Asthma in the US – By the Numbers

24.9 million people living with asthma

39% experience at least 1 asthma attack per year

986 thousand emergency department visits per year due to asthma

3.5 thousand deaths per year

7.9 million missed school days per year

10.9 million missed days of work per year

Asthma Costs in the US

- Lack of asthma control is associated with substantial cost burdens at both the individual and population level
- Projections for 2019-2038 estimate:
 - **52%** of asthma patient-years will be uncontrolled
 - Total direct and indirect costs for asthma care will **approach \$1 trillion**
 - Associated **loss in patients' quality of life**

Much of the burden of uncontrolled asthma is preventable

Adherence to evidence-based management strategies by patients and clinicians can significantly reduce costs and improve quality of life

Disparities in Asthma Care

The burden of asthma uniquely affects patients across different age, socioeconomic, and minority groups

- Black and/or Hispanic/Latinx individuals of Puerto Rican origin have the highest rates of asthma and the highest asthma death rates in the US
- Black individuals are nearly 3 times more likely to die from asthma than White individuals
- Refugees and other immigrants face unique barriers in accessing the health care system
 - Language barriers
 - Lack of familiarity with the health care system
 - Cultural barriers, such as misinformed fears of ICS being addictive

Addressing Disparities – Challenges and Solutions

Clinicians

Challenges

- Availability of asthma specialist care
- Linguistic and cultural competency
- Limitations from payors



Solutions

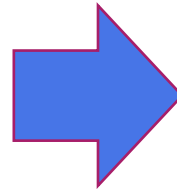
- Assess access of specialist asthma care
- Telemedicine and technology use
- Improve medication coverage

Addressing Disparities – Challenges and Solutions

Patients

Challenges

- Treatment preferences
- Adherence issues
- Limited health literacy
- Social environment
- Economic instability
- Health behavior
- Risk behavior



Solutions

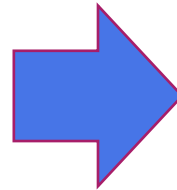
- Telemedicine
- Care coordination
- Referral to local services
- Improve opportunities for higher education and employment
- Improve access to social work services

Addressing Disparities – Challenges and Solutions

Health Care System

Challenges

- Medication coverage
- Asthma health literacy
- Limited access to quality asthma services
- Inequitable receipt of care



Solutions

- Care coordination
- collaborate with pharmaceutical agencies
- Combat implicit and explicit bias
- Address health equity
- Enhance community-based programming
- Telemedicine

Access to Asthma Care and Treatments

- Free clinics often available to patients who are uninsured or underinsured
- Many pharmaceutical companies offer financial assistance programs for asthma medications that have high out-of-pocket cost
- Increased focus on adherence to therapy
 - May be improved by digital health interventions and telemedicine
 - More frequent touchpoints
- Community-based asthma education programs can improve health literacy and cultural competency

Case #1 – Patient with commercial insurance

48-year-old female with moderate asthma (GINA Step 4)

- Insured commercially through her employer-sponsored insurance
 - Prescription insurance coverage
 - \$50 copay for preferred brand medications
- Currently prescribed medium-dose maintenance ICS-LABA
- Presents with complaints of worsening shortness of breath
- Asks for a refill of her albuterol inhaler

What might contribute to problems with medication access for this patient?

How could her asthma regimen be optimized to better align with current evidence?

Case #1 – Patient with commercial insurance

48-year-old female with moderate asthma (GINA Step 4)

- Insured commercially through her employer-sponsored insurance
 - Prescription insurance coverage
 - \$50 copay for preferred brand medications
- Currently prescribed medium-dose maintenance ICS-LABA
- Presents with complaints of worsening shortness of breath
- Asks for a refill of her albuterol inhaler
- Further investigation finds that she only uses her ICS-LABA 2-3 times a week because she doesn't like paying \$50 every time she picks up the ICS-LABA inhaler, and albuterol is less expensive

What could you do to improve this patient's medication access for the ICS-LABA inhaler?

Case #2 – Patient with government insurance

70-year-old Black female with mild asthma (GINA Step 2)

- Has Medicare Part D prescription insurance
 - \$50 copay for preferred brand medications
- Currently prescribed low-dose ICS and as-needed SABA
 - Instructed to take her ICS when she uses her SABA
 - Says she follows her regimen as prescribed
- She states that she's having trouble affording her ICS inhaler because she's on a fixed income

What asthma care disparities does this patient have (or is at risk for)?

How could you improve her access to her asthma treatments?

Case #3 – Patient without insurance

35-year-old Hispanic male with moderate asthma (GINA Step 3)

- Presents to your federally-qualified health center (FQHC) to establish care; he has been in the US for about 3 years
- His asthma has not been well-managed previously
 - Several emergency department visits in the last 3 months
- He's currently not taking any asthma medication because his inhalers have all run out, including those he received at the hospital

What asthma care disparities does this patient have (or is at risk for)?

What regimen might you consider for this patient's asthma, and how could you help ensure access to treatments?

Summary and Key Takeaways

- Asthma poses a substantial health and cost burden globally and in the US
- Disparities in asthma care contribute to different risks based on age, socioeconomic status, and among minority groups
- Solutions for addressing disparities from the perspective of clinicians, patients, and the healthcare system can improve asthma care equity
- Options for improved access to asthma care and treatments include government-subsidized care settings, copay cards, and patient assistance programs



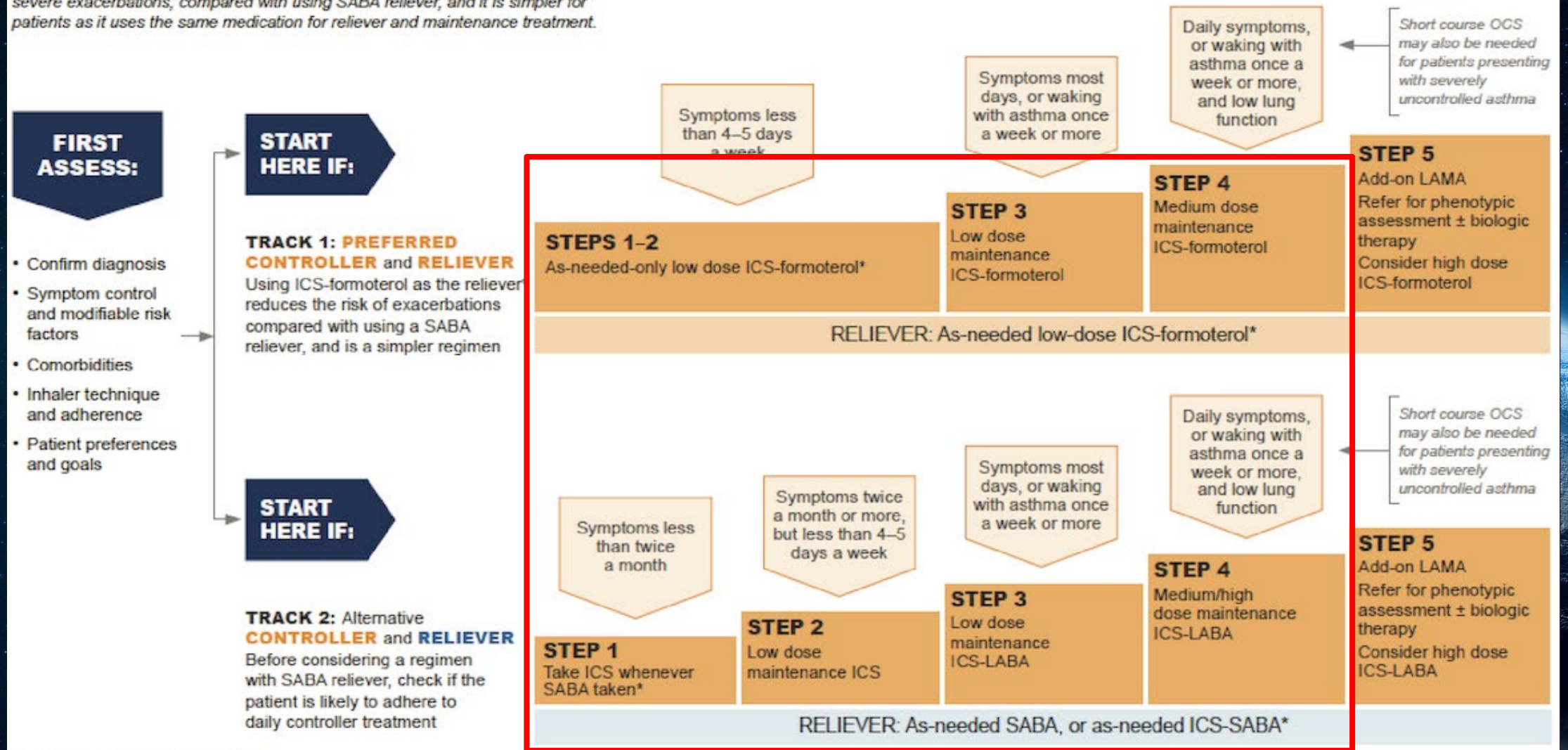
A New Era for Treating and Preventing Asthma Exacerbations

PART THREE:
**New FDA-Approved Options for Mild
to Moderate Asthma Care**

GINA 2023 – STARTING TREATMENT in adults and adolescents with a diagnosis of asthma

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GINA Treatment Approach

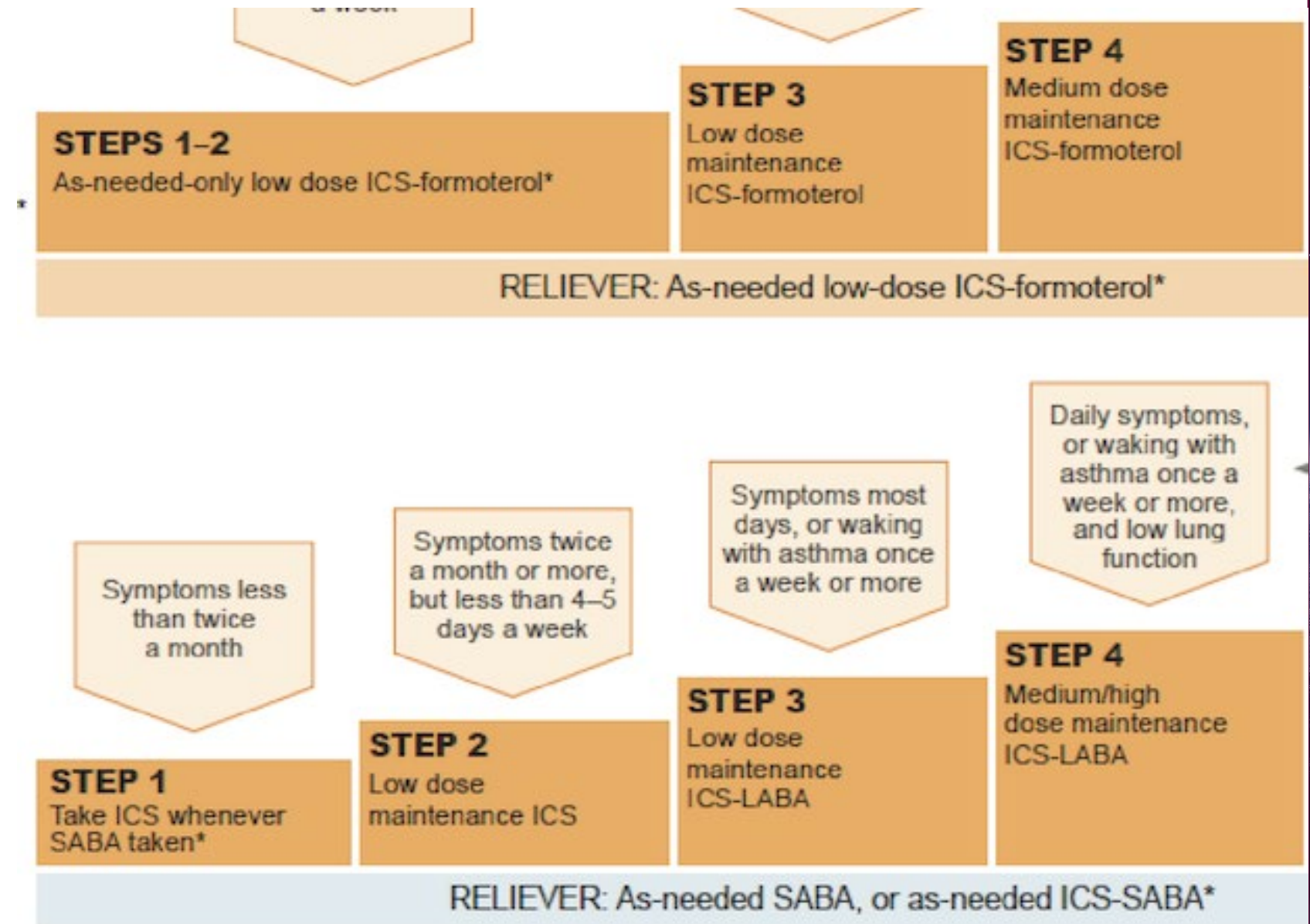


*Anti-inflammatory relievers (AIR)

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GINA Treatment Approach

Mild to Moderate Asthma Step Therapy



The Importance of ICS in Rescue/Reliever Therapy

ICS have both nongenomic and genomic anti-inflammatory effects

- Both contribute to role for lowering airway inflammation related to an exacerbation

Nongenomic Effects (Rapid onset – seconds to minutes)	Genomic Effects (Delayed onset – 4–24 hours)
Decreased airway mucosal blood flow	Increased transcription of anti-inflammatory genes
Decreased airway edema	Decreased transcription of inflammatory genes
Immune cell activity modulation	
Potentialiation of bronchodilator effects	

The Role of ICS + Fast-acting Bronchodilator

Budesonide-formoterol studies

- Budesonide-formoterol as a fixed-dose combination inhaler evaluated for use as rescue and rescue and maintenance therapy across asthma severities
- Compared with PRN SABA, budesonide maintenance therapy, or budesonide-formoterol maintenance therapy with PRN SABA:
 - Reduced ICS exposure
 - Better symptom control
 - Improved lung function
- Collectively, trials demonstrate reductions in asthma exacerbations with PRN budesonide-formoterol compared to PRN SABA alone

Formoterol is considered a LABA; however, onset of action is within 3 minutes

Budesonide-formoterol is not currently FDA-approved for PRN use in the US

The Role of ICS + Fast-acting Bronchodilator

Select budesonide-formoterol studies

SYGMA Trials (mild asthma)

SYGMA 1

- 65% reduction in annualized exacerbation rate compared to PRN terbutaline
- Equally effective as budesonide maintenance therapy for preventing exacerbations
- Post-hoc analysis: a single day of treatment with ≥ 2 PRN inhalations of budesonide formoterol reduced short-term risk of severe exacerbations

SYGMA 2

- Equally effective compared to budesonide maintenance therapy for preventing exacerbations
- 75% reduction of inhaled corticosteroid exposure

Note: Although most maintenance and rescue therapy studies of ICS + fast-acting bronchodilator were conducted with budesonide-formoterol, mometasone-formoterol is also an ICS + fast-acting bronchodilator combination inhaler. It also lacks approval for PRN use in the US.

ICS + SABA Studies

PREPARE Trial

Adults with moderate-to-severe asthma

Randomly assigned to:

- Patient-activated ICS + SABA for rescue therapy along with usual maintenance therapy
- or
- Usual maintenance or SABA for rescue therapy along with usual maintenance therapy

Patients who were instructed to take ICS every time they used rescue therapy had a **lower annualized rate of severe exacerbations** than the control group (HR 0.85; 95% CI 0.72–0.999; $P = .048$)

Intervention group also had better asthma control and fewer missed days of work, school, and usual activities

ICS + SABA Studies

MANDALA Trial

Note: all data are from the pre-planned efficacy analysis

3132 adolescent and adult patients with moderate-to-severe asthma

Key patient groups:

- PRN fixed-dose combination of albuterol 180 mcg + budesonide 160 mcg along with routine therapy
- PRN albuterol 180 mcg along with routine therapy

Patients in the fixed-dose group compared to albuterol-alone group experienced:

- 27% reduction in risk of severe exacerbations (HR 0.73; 95% CI 0.61–0.88)
- Lower mean annualized total dose of SCS (86.2 ± 262.9 mg prednisone equivalents versus 129.3 ± 657.2 mg)
- Improvement in asthma control (ACQ; OR, 1.22; 95% CI, 1.02 to 1.47)
- Improved asthma-related quality of life (AQLQ+12; OR, 1.23; 95% CI 1.02–1.48)

AQLQ+12, Asthma Quality of Life Questionnaire validated for persons ≥ 12 years of age

ICS + SABA Studies

DENALI Trial

989 patients aged ≥ 12 years with mild-to-moderate asthma

Patients were randomized 1:1:1:1:1 for 12 weeks to receive four-times-daily:

- Fixed-dose combination of albuterol 180 mcg + budesonide 160 mcg
 - Fixed-dose combination of albuterol 180 mcg + budesonide 80 mcg
 - Albuterol 180 mcg
 - Budesonide 160 mcg
 - Placebo
-
- Change from baseline in FEV_1 AUC_{0-6h} over 12 weeks was greater with albuterol-budesonide 180/160 mcg vs budesonide 160 mcg ($P = .003$)
 - Change in trough FEV_1 at week 12 was greater with albuterol-budesonide 180/160 and 180/80 μg vs albuterol 180 μg ($P < .001$)
 - Both monocomponents contributed to albuterol-budesonide lung function efficacy

FEV_1 , forced expiratory volume in 1 second; AUC, area under the curve

FDA Approval of Albuterol/Budesonide

January 2023

- The FDA approved the combination inhaler albuterol/budesonide “for the as-needed treatment or prevention of bronchoconstriction and to reduce the risk of exacerbations in patients with asthma 18 years of age and older.”
- **Strength:** albuterol 90 mcg and budesonide 80 mcg per inhalation
- **Dosing:** 2 inhalations as needed for asthma symptoms
 - Maximum dose: 12 inhalations in 24 hours
- Current availability and place in therapy to be determined
- Will be an option for ensuring patients have an ICS with their rescue/reliever treatment
- The approval fills a long-time gap in asthma management in the US

Summary and Key Takeaways

- ICS have rapid nongenomic effects on airway inflammation
- There is a large body of evidence supporting the use of a fast-acting bronchodilator + ICS combination to reduce exacerbations
- Use of fast-acting bronchodilator + ICS can also improve symptoms and lung function
- FDA approval of albuterol/budesonide represents the first approval of a fast-acting bronchodilator + ICS combination inhaler indicated for as-needed therapy to reduce the risk of exacerbations



A New Era for Treating and Preventing Asthma Exacerbations

**PART FOUR:
Comprehensive Case Studies in
Asthma Care**

Case #1

A 54-year-old female presents to her PCC for an asthma follow-up visit

- Busy accountant
- Currently taking a medium-dose ICS maintenance inhaler (two doses per day) along with an albuterol rescue inhaler
- Has had two urgent care visits in the last year for asthma exacerbations, one of which was during a concomitant upper respiratory infection

What additional information do you need to assess this patient's asthma control?

Case #1 – Initial Assessment

A 54-year-old female presents to her PCC for an asthma follow-up visit

- Currently taking a medium-dose ICS maintenance inhaler (two doses per day) along with an albuterol rescue inhaler
- Has had two urgent care visits in the last year for asthma exacerbations, one of which was during a concomitant upper respiratory infection
- She initially states that she is adherent to her medications
- She acknowledges that she often skips 1 of the 2 doses of her maintenance inhaler, and sometimes misses using the inhaler all together
- She says that the albuterol inhaler seems to really help her breathe better, so she carries this with her and uses it most days of the week

How would you assess this patient's asthma control?

AIRQ Assessment Tool

In the past 2 weeks, has coughing, wheezing, shortness of breath, or chest tightness:

1. Bothered you during the day on **more than 4 days**?
2. Woke you up from sleep **more than 1 time**?
3. Limited the activities you want to do **every day**?
4. Caused you to use your rescue inhaler or nebulizer **every day**?

Yes No

Yes No

Yes No

Yes No



Primatene® MIST
(Amphastar
Pharmaceuticals)
or
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ProAir RespiClick®
(Teva Respiratory, LLC)
or
Albuterol sulfate



Proventil® HFA (Merck Sharp
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Ventolin® HFA
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Albuterol sulfate or Xopenex®
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Levalbuterol HCl

Please see all prescribing information for all products.

In the past 2 weeks:

5. Did you have to limit your social activities (such as visiting with friends/relatives or playing with pets/children) because of your asthma?
6. Did coughing, wheezing, shortness of breath, or chest tightness limit your ability to exercise?
7. Did you feel that it was difficult to control your asthma?

Yes No

Yes No

Yes No

In the past 12 months, has coughing, wheezing, shortness of breath, or chest tightness:

8. Caused you to take steroid pills or shots, such as prednisone or Medrol®?
9. Caused you to go to the emergency room or have unplanned visits to a health care provider?
10. Caused you to stay in the hospital overnight?

Yes No

Yes No

Yes No

AIRQ, Asthma Impairment and
Risk Questionnaire

Total YES Answers

Case #1 – AIRQ Results

A 54-year-old female presents to her PCC for an asthma follow-up visit

- The patient's AIRQ score is 4, indicating not well-controlled



Case #1 – Treatment Approach

A 54-year-old female presents to her PCC for an asthma follow-up visit

- Currently taking a medium-dose ICS maintenance inhaler (two doses per day) along with an albuterol rescue inhaler
- Has had two urgent care visits in the last year for asthma exacerbations, one of which was during a concomitant upper respiratory infection
- She initially states that she is adherent to her medications
- She acknowledges that she often skips 1 of the 2 doses of her maintenance inhaler, and sometimes misses using the inhaler all together
- She says that the albuterol inhaler seems to really help her breathe better, so she carries this with her and uses it most days of the week

How would you approach discussing the patient's treatment regimen?

Case #1 – Evaluating Treatment Response

A 54-year-old female presents to her PCC for an asthma follow-up visit

- You decide to continue the medium-dose ICS maintenance inhaler and prescribe ICS-SABA instead of her albuterol inhaler for improved symptom control and to reduce the risk of severe exacerbations
- She comes back for a follow-up visit 3 months later

How would you assess the patient's response to therapy?

Follow-up AIRQ

In the past 2 weeks, has coughing, wheezing, shortness of breath, or chest tightness:

1. Bothered you during the day on **more than 4 days**?
2. Woke you up from sleep **more than 1 time**?
3. Limited the activities you want to do **every day**?
4. Caused you to use your rescue inhaler or nebulizer **every day**?

Yes No

Yes No

Yes No

Yes No



Primatene® MIST
(Amphastar
Pharmaceuticals)
or
Epinephrine



ProAir RespiClick®
(Teva Respiratory, LLC)
or
Albuterol sulfate



Proventil® HFA (Merck Sharp
& Dohme Corp., a subsidiary
of Merck & Co., Inc.)
or
Albuterol sulfate



Ventolin® HFA
(GlaxoSmithKline)
or
Albuterol sulfate



Xopenex HFA® (Sunovion
Pharmaceuticals Inc.)
or
Levalbuterol tartrate



Albuterol sulfate or Xopenex®
(Sunovion Pharmaceuticals Inc.)
or
Levalbuterol HCl

Please see all prescribing information for all products.

In the past 2 weeks:

5. Did you have to limit your social activities (such as visiting with friends/relatives or playing with pets/children) because of your asthma?
6. Did coughing, wheezing, shortness of breath, or chest tightness limit your ability to exercise?
7. Did you feel that it was difficult to control your asthma?

Yes No

Yes No

Yes No

In the past 3 months, has coughing, wheezing, shortness of breath, or chest tightness:

8. Caused you to take steroid pills or shots, such as prednisone or Medrol**?
9. Caused you to go to the emergency room or have unplanned visits to a health care provider?
10. Caused you to stay in the hospital overnight?

Yes No

Yes No

Yes No

Total YES Answers

Case #1 – Follow-up AIRQ Results

A 54-year-old female presents to her PCC for an asthma follow-up visit

- The patient's AIRQ score is 1, indicating well-controlled



Case #2 – Initial Assessment

A 36-year-old male with asthma presents to his PCC in October for a routine visit.

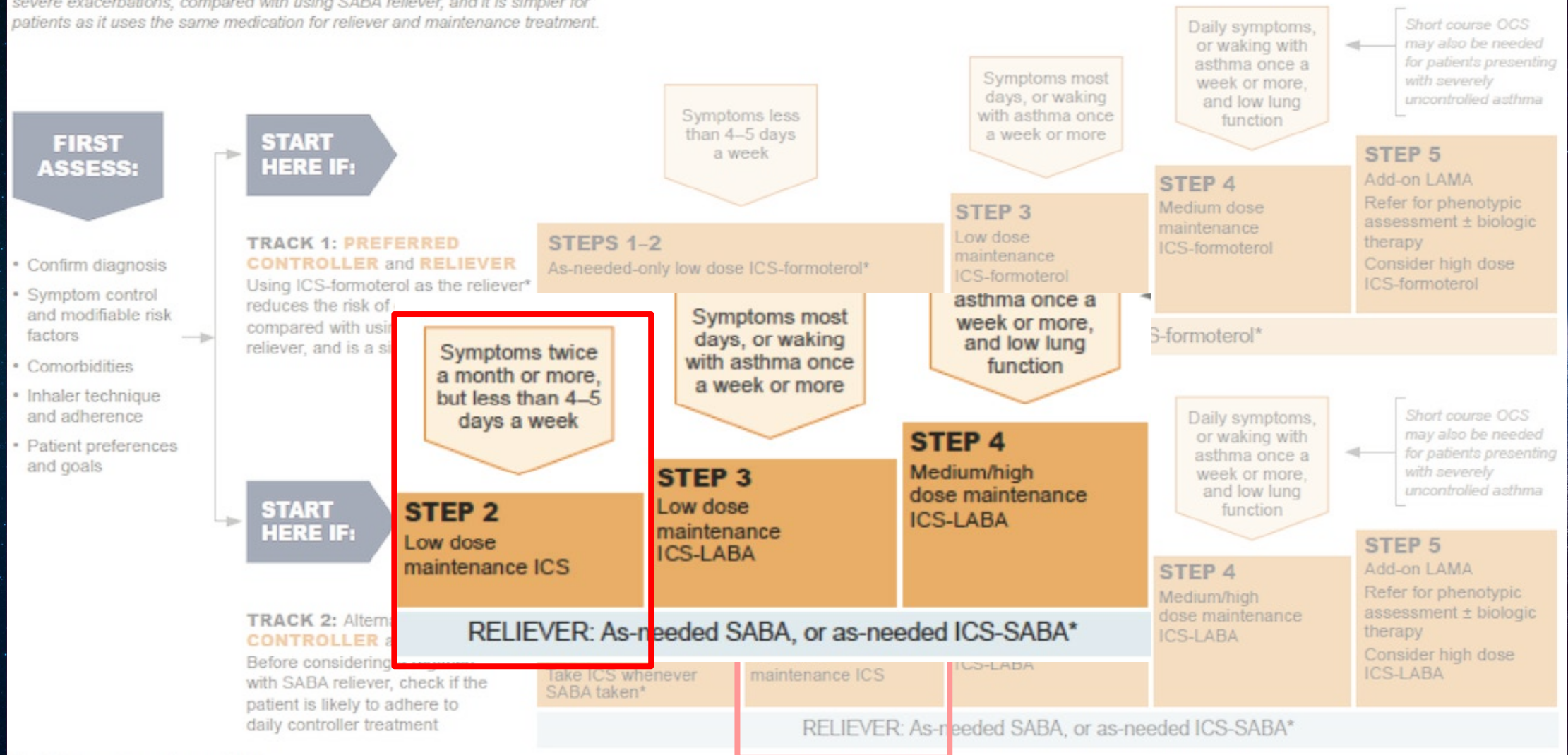
- He is adherent to his inhaler regimen (low-dose ICS daily) with good inhaler technique.
- He notes that he's feeling great and has had no trouble with his breathing recently.
- His AIRQ score today is 2 (steroids in the past 12 months and emergency room visit for breathing symptoms), indicating “not well-controlled” asthma.
- Upon further discussion, he adds that he gets “asthma attacks” when he exercises during allergy seasons (fall and spring) and so he always uses his albuterol inhaler before jogging (5 times/week) during these times of the year.

How would you classify the patient's asthma?

GINA 2023 – STARTING TREATMENT in adults and adolescents with a diagnosis of asthma

Track 1 using ICS-formoterol reliever is preferred because it reduces the risk of severe exacerbations, compared with using SABA reliever, and it is simpler for patients as it uses the same medication for reliever and maintenance treatment.

GINA Treatment Approach



*Anti-inflammatory relievers (AIR)

Case #2 – Initial Assessment

A 36-year-old male with asthma presents to his PCC in October for a routine visit.

- He is adherent to his inhaler regimen (low-dose ICS daily) with good inhaler technique.
- He notes that he's feeling great and has had no trouble with his breathing recently.
- His AIRQ score today is 2 (steroids in the past 12 months and emergency room visit for breathing symptoms), indicating “not well-controlled” asthma.
- Upon further discussion, he adds that he gets “asthma attacks” when he exercises during allergy seasons (fall and spring) and so he always uses his albuterol inhaler before jogging (5 times/week) during these times of the year.

Is the patient at risk for asthma adverse outcomes or exacerbations?

Case #2 – Treatment Approach

A 36-year-old male with asthma presents to his PCC in October for a routine visit.

- You decide to recommend taking his ICS inhaler every time he uses his SABA
- The patient agrees
- He returns 3 months later (January) for follow up

Case #2 – Treatment Access

A 36-year-old male with asthma presents to his PCC in January for a follow-up visit.

- He reports that he recently lost his job and has trouble affording his inhalers now
- He has run out of both inhalers
- He currently doesn't have prescription drug insurance
- His AIRQ score has worsened to 4, indicating “not well-controlled” likely due to nonadherence

What would you recommend to improve this patient's access to medication?

Summary and Key Takeaways

- Asthma severity according to GINA is assessed retroactively based on the patient's minimum effective medication dose at which their asthma remains well-controlled
- Assessment of asthma control involves evaluating symptoms and impairment of quality of life over a period of time
- Treatment regimens for asthma should be individualized based on patients' characteristics, needs, and preferences
- Always consider access to treatment – if patients have difficulty obtaining asthma medications, asthma control is often worse
- Assess treatment response approximately every 3 months after therapy changes using a validated tool to determine whether additional changes are needed

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PCRGR is a national educational initiative providing comprehensive respiratory disease education, and affiliated with the international PCRGR. PCRGR's mission is to provide a representative forum for primary care clinicians involved in respiratory disease management and raise standards of patient care through the dissemination of best practices, education programs, and communication among its members.

Therapeutic areas covered by PCRGR include:

- Asthma
- COPD
- Infectious respiratory disease
- Tuberculosis
- Pleural and bronchial disorders





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