My COPD Action Plan		Date	Guidelines COPD
Patient's Copy	(Patient's Name)		Treatable. Preventable.
This is to tell me ho	ow I will take care of myself when I have a	COPD flare-up.	
My goals are			
My support contac	ts are(Name & Phone Numl	and	(Name & Phone Number)
	(Name & Phone Numl	ber)	(Name & Phone Number)
My Symptoms	I Feel Well	I Feel Worse	I Feel Much Worse URGENT
I have sputum.	My usual sputum colour is:	Changes in my sputum, for at least 2 days. ✓ Yes □ No □	My symptoms are not better after taking my flare-up medicine for 48 hours.
I feel short of breath.	When I do this:	More short of breath than usual for at least 2 days. Yes □ No □	I am very short of breath, nervous, confused and/or drowsy, and/or I have chest pain.
	Stay Well	Take Action	Call For Help
My Actions	I use my daily puffers as directed.	If I checked 'Yes' to one or both of the above, I use my prescriptions for COPD flare-ups.	I will call my support contact and/or see my doctor and/or go to the nearest emergency department.
	If I am on oxygen, I useL/min.	I use my daily puffers as usual. If I am more short of breath than usual, I will take puffs of up to a maximum of times per day.	I will dial 911.
Notes:		I use my breathing and relaxation methods as taught to me. I pace myself to save energy.	Important information: I will tell my doctor, respiratory educator, or case manager within 2 days if I had to use any of my
		If I am on oxygen, I will increase it from L/min to L/min.	flare-up prescriptions. I will also make follow-up appointments to review my COPD Action Plan twice a year.





Canadian Respiratory



COPD ACTION PLAN (Patient's copy)

Why do I need this COPD Action Plan?

- Your Action Plan is a written contract between you and your health care team. It will tell you how to manage your COPD
 flare-ups. Use it along with any other information you get from your health care team about managing your COPD every day.
- Your Action Plan will help you and your caregivers to quickly recognize and act to treat your flare-ups. This will keep your lungs and you as healthy as possible.

How will I know that I am having a COPD "flare-up"?

- You will often see a change in your amount or colour of sputum and/or you may find that you are more short of breath than
 usual. Other symptoms can include coughing and wheezing more.
- Your flare-up Action Plan is to be used only for COPD flare-ups. Remember that there are other reasons you may get short of breath, such as when you have pneumonia, are anxious, or have heart problems.
- Before or during a flare-up you may notice changes in your mood, such as feeling down or anxious. Some people have low
 energy or feel tired before and during a COPD flare-up.

What triggers a "COPD flare-up"?

- A COPD flare-up can sometimes happen after you get a cold or flu, or when you are stressed and run down.
- Being exposed to air pollution and changes in the weather can also cause COPD flare-ups. To learn about the daily air quality in your area, visit Environment Canada's Air Quality Health Index (AQHI) website at www.ec.gc.ca/cas-aqhi/ and click on 'Your Local AQHI Conditions'. Ask your health care team about ways to avoid all possible triggers.

When should I use this COPD Action Plan?

- Your COPD Action Plan is used only for COPD flare-ups.
- Remember that there are other reasons you may get short of breath, such as when you have pneumonia, are anxious, or have heart problems. If you become more short of breath but don't have symptoms of COPD flare-up, see a doctor as soon as possible.

REMEMBER:

- Learn about your COPD from a respiratory educator, credible websites, such as www.lung.ca, and education programs.
- Take your regular daily medicine as prescribed.
- Don't wait more than 48 hours after the start of a COPD flare-up to take your antibiotic and/or prednisone medicines. See
 your pharmacist quickly to get your prescriptions for COPD flare-up.
- When you start an antibiotic, make sure that you finish the entire treatment.
- Quitting smoking and making sure that your vaccinations are up-to-date (for flu every year and for pneumonia at least once)
 will help prevent flare-ups.
- Be as active as possible. Inactivity leads to weakness, which may cause more flare-ups or flare-ups that are worse than usual. Ask your doctor about pulmonary rehabilitation and strategies to help reduce your shortness of breath and improve your quality of life.
- Follow up with your doctor within 2 days after using any of your prescriptions for a COPD flare-up.

MY NOTES AND QUESTIONS:			
	_	_	

My COPD Action Plan		Date	Canadian Respiratory Guidelines COPD Treatable. Preventable.
This is to tell me ho	ow I will take care of myself when I have a	COPD flare-up.	
My goals are			
My support contact	ts are(Name & Phone Nur	nber)	(Name & Phone Number)
My Symptoms	I Feel Well	I Feel Worse	I Feel Much Worse URGENT
I have sputum.	My usual sputum colour is:	Changes in my sputum, for at least 2 days. OR Ves □ No □	My symptoms are not better after taking my flare-up medicine for 48 hours.
I feel short of breath.	When I do this:	More short of breath than usual for at least 2 days. Yes □ No □	I am very short of breath, nervous, confused and/or drowsy, and/or I have chest pain.
	Stay Well	Take Action	Call For Help
My Actions	I use my daily puffers as directed.	If I checked 'Yes' to one or both of the above, I use my prescriptions for COPD flare-ups.	I will call my support contact and/or see my doctor and/or go to the nearest emergency department.
	If I am on oxygen, I useL/min.	I use my daily puffers as usual. If I am more short of breath than usual, I will take puffs of up to a maximum of times per day.	I will dial 911.
Notes:		I use my breathing and relaxation methods as taught to me. I pace myself	Important information: I will tell my doctor, respiratory educator, or case manager
		to save energy.	within 2 days if I had to use any of my flare-up prescriptions. I will also make
		If I am on oxygen, I will increase it from L/min to L/min.	follow-up appointments to review my COPD Action Plan twice a year.







COPD ACTION PLAN (Physician's copy)

Pharmacological Treatment

- 1. Short-acting (beta₂-agonists and anticholinergic) bronchodilators to treat wheeze and dyspnea. Continue all of your long acting bronchodilators or inhaled steroids as prescribed.
- 2. Prednisone (oral) → 25-50 mg once daily for 10 days for patients with moderate to severe COPD.
- 3. Antibiotic choice is prescribed based upon the presence of risk factors as below.
- 4. Severe AECOPD complicated by acute respiratory failure is a medical emergency. Consider consultation with an emergency specialist or respirologist.

Antibiotic Treatment Recommendations for Acute COPD Exacerbations^{1, 2}

Group	Probable Pathogens	First Choice	Alternatives for Treatment Failure
I, Simple Smokers FEV1 > 50% ≤ 3 exacerbations per year	H. influenzae M. catarrhalis S. pneumoniae	Amoxicillin, 2nd or 3rd generation cephalosporin, doxycycline, extended spectrum macrolide, trimethoprimsulfamethoxazole (in alphabetical order).	Fluoroquinolone β-lact/ β-lactamase inhibitor.
II, Complicated, as per I, plus at least one of the following should be present: FEV1<50% predicted; ≥4 exacerbations/ year; ischemic heart disease; use home oxygen or chronic oral steroids; antibiotic use in the past 3 months.	As in group I, plus: Klebsiella spp. and other Gram-negative bacteria Increased probability of β- lactam resistance.	Fluoroquinolone β-lact/ β-lactamase inhibitor (in order of preference).	May require parenteral therapy. Consider referral to a specialist or hospital.
III, Chronic Suppurative II, plus: Constant purulent sputum; some have bronchiectasis; FEV1 usually <35% predicted; chronic oral steroid use; multiple risk factors.	As in group II, plus: P. Aeruginosa and multi-resistant Enterobacteriaceae.	Ambulatory - tailor treatment to airway pathogen; P. Aeruginosa is common (ciprofloxacin) Hospitalized - parenteral therapy usually required.	

General Recommendations for the Physician

- Patients need to be instructed to call or visit their treating physician if symptoms persist or worsen after 48 hrs in spite of patient-initiated treatment. Please instruct patients to notify their doctor, respiratory educator, or case manager within 2 days of filling any of their prescriptions for a COPD flare-up.
- Prescriptions for antibiotics and prednisone can be refilled twice each, as needed, for 1 year. Pharmacists may fax the doctor's office after any portion of the prescriptions for COPD flare-up has been filled.
- To reduce the risk of antibiotic resistance, if more than one treatment is required over 3 months, the class of antibiotics should be changed on subsequent courses of therapy.
- Review with your patient measures to prevent future COPD exacerbations including smoking cessation, annual influenza vaccination, pneumococcal vaccination and appropriate use of inhaled daily medications.
- Consider referral to a local respiratory educator and pulmonary rehabilitation program if available.

² Balter MS, La Forge J, Low DE, Mandell L., et al. Canadian guidelines for the management of acute exacerbation of chronic bronchitis. Can Respir J 2003; 10(Suppl B):3B-32B.



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¹ O'Donnell DE, Hernandez P, Kaplan A, Aaron S., et al. CTS recommendations for management of COPD – 2008 update – highlights for primary care. Can Resp J 2008; 15(Suppl A):1A-8A.

My COPD Action Educator's Copy	Plan(Patient's Name)		Date	Canadian Respiratory Guidelines	COPD Treatable. Preventable.
This is to tell me ho	ow I will take care of myself when I h	ave a C	COPD flare-up.		
My goals are					
My support contact	ts are(Name & Phor	ne Numb	er) and	(Name & Phone Number)	
My Symptoms	I Feel Well		I Feel Worse	I Feel Much Worse	URGENT
I have sputum.	My usual sputum colour is:		Changes in my sputum, for at least 2 days. Yes □ No □	My symptoms are not better at flare-up medicine for 48 hours.	
I feel short of breath.	When I do this:		More short of breath than usual for at least 2 days. Yes □ No □	I am very short of breath, nervous, confused and/or drowsy, and/or I have chest pa	æin.
	Stay Well		Take Action	Call For Help	
My Actions	I use my daily puffers as directed.		If I checked 'Yes' to one or both of the above, I use my prescriptions for COPD flare-ups.	I will call my support contact a my doctor and/or go to the nea emergency department.	
	If I am on oxygen, I useL/	min.	I use my daily puffers as usual. If I am more short of breath than usual, I will take puffs of up to a maximum of times per day.	I will dial 911.	€= 6
Notes:			I use my breathing and relaxation methods as taught to me. I pace myself to save energy.	Important information: I will t respiratory educator, or case within 2 days if I had to use	manager any of my
			If I am on oxygen, I will increase it from L/min to L/min.	flare-up prescriptions. I will a follow-up appointments to re COPD Action Plan twice a year.	eview my







COPD ACTION PLAN (Educator's copy)

Pharmacological Treatment

- 1. Short-acting (beta, -agonists and anticholinergic) bronchodilators to treat wheeze and dyspnea. Continue all of your long acting bronchodilators or inhaled steroids as prescribed.
- 2. Prednisone (oral) → 25-50 mg once daily for 10 days for patients with moderate to severe COPD.
- Antibiotic choice is prescribed based upon the presence of risk factors as below.
- 4. Severe AECOPD complicated by acute respiratory failure is a medical emergency. Consider consultation with an emergency specialist or respirologist.

Antibiotic Treatment Recommendations for Acute COPD Exacerbations^{1,2}

Group	Probable Pathogens	First Choice	Alternatives for Treatment Failure
I, Simple Smokers FEV1 > 50% ≤ 3 exacerbations per year	H. influenzae M. catarrhalis S. pneumoniae	Amoxicillin, 2nd or 3rd generation cephalosporin, doxycycline, extended spectrum macrolide, trimethoprimsulfamethoxazole (in alphabetical order).	Fluoroquinolone β-lact/ β-lactamase inhibitor
II, Complicated, as per I, plus at least one of the following should be present: FEV1<50% predicted; ≥4 exacerbations/ year; ischemic heart disease; use home oxygen or chronic oral steroids; antibiotic use in the past 3 months.	As in group I, plus: Klebsiella spp. and other Gram-negative bacteria Increased probability of β- lactam resistance.	Fluoroquinolone β-lact/ β-lactamase inhibitor (in order of preference).	May require parenteral therapy. Consider referral to a specialist or hospital.
III, Chronic Suppurative II, plus: Constant purulent sputum; some have bronchiectasis; FEV1 usually <35% predicted; chronic oral steroid use; multiple risk factors.	As in group II, plus: P. Aeruginosa and multi-resistant Enterobacteriaceae.	Ambulatory - tailor treatment to P. Aeruginosa is common (cipro Hospitalized - parenteral therap	ofloxacin)

General Recommendations for the Educator

- Patients need to be instructed to call or visit their treating physician if symptoms persist or worsen after 48 hrs in spite of patient-initiated treatment. Please instruct patients to notify their doctor, respiratory educator, or case manager within 2 days of filling any of their prescriptions for a COPD flare-up.
- Prescriptions for antibiotics and prednisone can be refilled twice each, as needed, for 1 year.
- To reduce the risk of antibiotic resistance, if more than one treatment is required over 3 months, the class of antibiotics should be changed on subsequent courses of therapy.
- · Review with your patient some general measures to prevent future COPD exacerbations including smoking cessation, annual influenza vaccination, pneumococcal vaccination and appropriate use of inhaled daily medications.

² Balter MS, La Forge J, Low DE, Mandell L., et al. Canadian guidelines for the management of acute exacerbation of chronic bronchitis. Can Respir J 2003; 10(Suppl B):3B-32B.









O'Donnell DE, Hernandez P, Kaplan A, Aaron S., et al. CTS recommendations for management of COPD - 2008 update - highlights for primary care. Can Resp J 2008; 15(Suppl A):1A-8A.

My COPD Action Plan		Date	Canadian Respiratory Guidelines	COPD
Patient's Copy	(Patient's Name)			Treatable. Preventable.
This is to tell me how I will take o	care of myself when I have a COP	D flare-up.		
My goals are				
My support contacts are		and		
	(Name & Phone Number)		(Name & Phone Number)	
Prescriptions for COPD flare-up	(Patient to take to pharmacist as	needed for symptoms)		
These prescriptions may be refille once any part of this prescription	·	ear, to treat COPD flare-ups. Pha	armacists may fax the doctor's office	
	Patient's Name	Patient lo	dentifier (e.g. DOB, PHN)	
(A) If the colour of your sputum How often	n CHANGES, start antibiotic for #days:		Dose: #pills:	
	en for a flare-up in the last 3 months		ead:	
How often	Dose:_ for #days:	#pills:		
		AND / OR		
2. If you are MORE short of be How often:	reath than usual, start prednisone for #days:	Dose:	#pills:	
Once I start any of these medicine	es, I will tell my doctor, respiratory ed	ducator, or case manager within	2 days.	
Doctor's	Name	Doctor's Fax	Doctor's Signature	
	License		 Date	







COPD ACTION PLAN (Patient's copy)

Why do I need this COPD Action Plan?

- Your Action Plan is a written contract between you and your health care team. It will tell you how to manage your COPD
 flare-ups. Use it along with any other information you get from your health care team about managing your COPD every day.
- Your Action Plan will help you and your caregivers to quickly recognize and act to treat your flare-ups. This will keep your lungs and you as healthy as possible.

How will I know that I am having a COPD "flare-up"?

- You will often see a change in your amount or colour of sputum and/or you may find that you are more short of breath than
 usual. Other symptoms can include coughing and wheezing more.
- Your flare-up Action Plan is to be used only for COPD flare-ups. Remember that there are other reasons you may get short of breath, such as when you have pneumonia, are anxious, or have heart problems.
- Before or during a flare-up you may notice changes in your mood, such as feeling down or anxious. Some people have low
 energy or feel tired before and during a COPD flare-up.

What triggers a "COPD flare-up"?

- A COPD flare-up can sometimes happen after you get a cold or flu, or when you are stressed and run down.
- Being exposed to air pollution and changes in the weather can also cause COPD flare-ups. To learn about the daily air quality in your area, visit Environment Canada's Air Quality Health Index (AQHI) website at www.ec.gc.ca/cas-aqhi/ and click on 'Your Local AQHI Conditions'. Ask your health care team about ways to avoid all possible triggers.

When should I use this COPD Action Plan?

- Your COPD Action Plan is used only for COPD flare-ups.
- Remember that there are other reasons you may get short of breath, such as when you have pneumonia, are anxious, or have heart problems. If you become more short of breath but don't have symptoms of COPD flare-up, see a doctor as soon as possible.

REMEMBER:

- Learn about your COPD from a respiratory educator, credible websites, such as www.lung.ca, and education programs.
- Take your regular daily medicine as prescribed.
- Don't wait more than 48 hours after the start of a COPD flare-up to take your antibiotic and/or prednisone medicines. See
 your pharmacist quickly to get your prescriptions for COPD flare-up.
- When you start an antibiotic, make sure that you finish the entire treatment.
- Quitting smoking and making sure that your vaccinations are up-to-date (for flu every year and for pneumonia at least once)
 will help prevent flare-ups.
- Be as active as possible. Inactivity leads to weakness, which may cause more flare-ups or flare-ups that are worse than usual. Ask your doctor about pulmonary rehabilitation and strategies to help reduce your shortness of breath and improve your quality of life.
- Follow up with your doctor within 2 days after using any of your prescriptions for a COPD flare-up.

MY NOTES AND QUESTIONS:			
	_	_	

	_ Date	Guidelliles	COPD
Patient's Name)			Treatable. Preventable.
nvself when I have a COPD f	are-up.		
	•		
	and		
(Name & Phone Number)		(Name & Phone Number)	
t to fill as needed for symptor	ns)		
	to treat COPD flare-ups. Pharr	macists may fax the doctor's office	
i illieu.			
ent's Name	Patient Ide	entifier (e.g. DOB, PHN)	
GES, start antibiotic	D	ose: #pills:	
lare-up in the last 3 months, us	se this different antibiotic instea	id:	
for #days:	#pills:		
101 #days	AND / OR		
	Dose:	#pills:	
· ·			
tell my doctor, respiratory educ	ator, or case manager within 2	days.	
	Doctor's Fax	Doctor's Signature	
	Patient's Name) nyself when I have a COPD file (Name & Phone Number) t to fill as needed for symptor nes each, as needed, for 1 year, n filled. ent's Name GES, start antibiotic for #days: lare-up in the last 3 months, us Dose: for #days: an usual, start prednisone for #days:	Patient's Name) nyself when I have a COPD flare-up. [Name & Phone Number) It to fill as needed for symptoms) nes each, as needed, for 1 year, to treat COPD flare-ups. Pharm filled. [BES, start antibiotic	patient's Name)





Canadian Respiratory



COPD ACTION PLAN (Physician's copy)

Pharmacological Treatment

- 1. Short-acting (beta₂-agonists and anticholinergic) bronchodilators to treat wheeze and dyspnea. Continue all of your long acting bronchodilators or inhaled steroids as prescribed.
- 2. Prednisone (oral) → 25-50 mg once daily for 10 days for patients with moderate to severe COPD.
- 3. Antibiotic choice is prescribed based upon the presence of risk factors as below.
- 4. Severe AECOPD complicated by acute respiratory failure is a medical emergency. Consider consultation with an emergency specialist or respirologist.

Antibiotic Treatment Recommendations for Acute COPD Exacerbations^{1, 2}

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II, Complicated, as per I, plus at least one of the following should be present: FEV1<50% predicted; ≥4 exacerbations/ year; ischemic heart disease; use home oxygen or chronic oral steroids; antibiotic use in the past 3 months.	As in group I, plus: Klebsiella spp. and other Gram-negative bacteria Increased probability of β- lactam resistance.	Fluoroquinolone β-lact/ β-lactamase inhibitor (in order of preference).	May require parenteral therapy. Consider referral to a specialist or hospital.
III, Chronic Suppurative II, plus: Constant purulent sputum; some have bronchiectasis; FEV1 usually <35% predicted; chronic oral steroid use; multiple risk factors.	As in group II, plus: P. Aeruginosa and multi-resistant Enterobacteriaceae.	Ambulatory - tailor treatment to P. Aeruginosa is common (cipro Hospitalized - parenteral therap	ofloxacin)

General Recommendations for the Physician

- Patients need to be instructed to call or visit their treating physician if symptoms persist or worsen after 48 hrs in spite of patient-initiated treatment. Please instruct patients to notify their doctor, respiratory educator, or case manager within 2 days of filling any of their prescriptions for a COPD flare-up.
- Prescriptions for antibiotics and prednisone can be refilled twice each, as needed, for 1 year. Pharmacists may fax the doctor's office after any portion of the prescriptions for COPD flare-up has been filled.
- To reduce the risk of antibiotic resistance, if more than one treatment is required over 3 months, the class of antibiotics should be changed on subsequent courses of therapy.
- Review with your patient measures to prevent future COPD exacerbations including smoking cessation, annual influenza vaccination, pneumococcal vaccination and appropriate use of inhaled daily medications.
- Consider referral to a local respiratory educator and pulmonary rehabilitation program if available.

² Balter MS, La Forge J, Low DE, Mandell L., et al. Canadian guidelines for the management of acute exacerbation of chronic bronchitis. Can Respir J 2003; 10(Suppl B):3B-32B.





With acknowledgment to:





¹ O'Donnell DE, Hernandez P, Kaplan A, Aaron S., et al. CTS recommendations for management of COPD – 2008 update – highlights for primary care. Can Resp J 2008; 15(Suppl A):1A-8A.

My COPD Ac	etion Plan		_ Date		Canadian Respiratory Guidelines	COPD
Pharmacist's C		(Patient's Name)				Treatable. Preventable.
Γhis is to tell m	ne how I will take care of	myself when I have a COPD fl	are-up.			
My goals are _						
My support co	ntacts are	(Name & Phone Number)	;	and	(Name & Phone Number)	
Prescriptions	for COPD flare-up (Patie	nt to fill as needed for sympton	ms)			
	otions may be refilled two ti of this prescription has bee	mes each, as needed, for 1 year, en filled.	to treat COPD flar	e-ups. Pharmacists	may fax the doctor's office	
	Pa	tient's Name	_	Patient Identifier (e.g. DOB, PHN)	
	lour of your sputum CHAN en	GES, start antibiotic for #days:		Dose:	#pills:	
(B) If the firs Start ant How ofte	st antibiotic was taken for a tibioticenen	flare-up in the last 3 months, us Dose: for #days:	#pills:_	ibiotic instead:		
			AND / OR			
If you are How often	e MORE short of breath then:	an usual, start prednisone for #days:		_ Dose:	#pills:	
Once I start ar	ny of these medicines, I wil	tell my doctor, respiratory educ	ator, or case mana	ger within 2 days .		
	Doctor's Name		Doctor's Fax		Doctor's Signature	
		License		Date		







COPD ACTION PLAN (Pharmacist's copy)

Pharmacological Treatment

- 1. Short-acting (beta,-agonists and anticholinergic) bronchodilators to treat wheeze and dyspnea. Continue all of your long acting bronchodilators or inhaled steroids as prescribed.
- 2. Prednisone (oral) → 25-50 mg once daily for 10 days for patients with moderate to severe COPD.
- Antibiotic choice is prescribed based upon the presence of risk factors as below.
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Antibiotic Treatment Recommendations for Acute COPD Exacerbations^{1,2}

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III, Chronic Suppurative II, plus: Constant purulent sputum; some have bronchiectasis; FEV1 usually <35% predicted; chronic oral steroid use; multiple risk factors.	As in group II, plus: P. Aeruginosa and multi-resistant Enterobacteriaceae.	Ambulatory - tailor treatment to airway pathogen; P. Aeruginosa is common (ciprofloxacin) Hospitalized - parenteral therapy usually required.	

General Recommendations for the Pharmacist

- Patients need to be instructed to call or visit their treating physician if symptoms persist or worsen after 48 hrs in spite of patient-initiated treatment. Please instruct patients to notify their doctor, respiratory educator, or case manager within 2 days of filling any of their prescriptions for a COPD flare-up.
- · Prescriptions for antibiotics and prednisone can be refilled twice each, as needed, for 1 year. Even if you have any concerns to discuss with the doctor, please fill at least the minimum quantity of the appropriate prescription based on the patient's symptoms.
- To reduce the risk of antibiotic resistance, if more than one treatment is required over 3 months, the class of antibiotics should be changed on subsequent courses of therapy.
- Review with your patient some general measures to prevent future COPD exacerbations including smoking cessation, annual influenza vaccination, pneumococcal vaccination and appropriate use of inhaled daily medications.

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