COPD Inhalers: Storage and Beyond Use Dates

	Short-Acting Beta-Agonists				
Brand	Generic	Storage:	Beyond Use Date Once Opened		
ProAir Digihaler	Albuterol Sulfate	Room Temp: 15-25°C (59-77°F). Avoid exposure to extreme heat, cold or humidity.	 Whichever comes first: 13 months after opening the foil pouch. When the counter reaches zero. After the printed expiration date. 		
ProAir HFA	Albuterol Sulfate	Room Temp: 15-25°C (59-77°F). Protect from freezing or prolonged exposure to direct sunlight. Exposure to temps above 120°F can cause bursting.	Whichever comes first:When the counter reaches zero.After the printed expiration date.		
ProAir RespiClick	Albuterol Sulfate	Room Temp: 15-25°C (59-77°F). Avoid exposure to extreme heat, cold or humidity.	 Whichever comes first: 13 months after opening the foil pouch. When the counter reaches zero. After the printed expiration date. 		
Proventil HFA	Albuterol Sulfate	Room Temp: 15-25°C (59-77°F). Protect from freezing or prolonged exposure to direct sunlight. Exposure to temps above 120°F can cause bursting.	 Whichever comes first: When the counter reaches zero. After the printed expiration date. 		
Ventolin HFA	Albuterol Sulfate	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F).Do not store near direct heat or open flame. Exposure to temps over 120°F can cause bursting.	 Whichever comes first: 12 months after opening the foil pouch. When the counter reaches zero. After the printed expiration date. 		
Xopenex HFA	Levalbuterol Tartrate	Room Temp: 20-25°C (68-77°F). Protect from freezing or prolonged exposure to direct sunlight. Exposure to temps above 120°F can cause bursting.	 Whichever comes first: When the counter reaches zero. After the printed expiration date. 		

	Long-Acting Beta-Agonists			
Brand	Generic	Storage	Beyond Use Date Once Opened	
Serevent Diskus	Salmeterol Xinafoate	Room Temp: 20-25°C (68-77°F). Store in a dry place away from direct heat or sunlight.	Whichever comes first: o 6 weeks after removal from protective foil. o After all blisters have been used/when dose indicator reads zero.	
Striverdi Respimat	Olodaterol	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Avoid freezing.	Whichever comes first: o 3 months after first use at the latest. o When no more doses can be dispensed (locking mechanism engaged).	

Short-Acting Muscarinic Antagonists (Anticholinergic)			
Brand	Generic	Storage	Beyond Use Date Once
			Opened
Atrovent HFA	Ipratropium bromide	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: o When the counter reaches zero. o After the printed expiration date.

Long	Long-Acting Muscarinic Antagonists (Anticholinergic)			
Brand	Generic	Storage	Beyond Use Date Once Opened	
Incruse Ellipta	Umeclidinium	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight.	Whichever comes first: o 6 weeks after removal from protective foil. o when dose indicator reads zero.	
Spiriva HandiHaler	Tiotropium bromide	Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F).	Store capsules in foil blisters until immediately prior to use. Any additional capsules exposed to air should be discarded.	
Spiriva Respimat	Tiotropium bromide	Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: o 3 months after first use at the latest. o When no more doses can be dispensed (locking mechanism engaged).	

Tudorza Pressair	Alclidinium bromide	Room Temp: 25°C	Whichever comes first:
		(77°F). Excursions	o 45 days after opening.
		permitted between 15-	When the counter reads
		30°C (59-86°F). Store in	zero/the device locks out
		a dry place.	

	Inhaled Corticosteroids (ICS)			
Brand	Generic	Storage	Beyond Use Date Once Opened	
Alvesco HFA	ciclesonide	Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). Exposure to temps above 120°F can cause bursting.	 Whichever comes first: When the counter reaches zero. After the printed expiration date. 	
ArmonAir Digihaler	fluticasone propionate	Room Temp: 15-25°C (59-77°F). Avoid exposure to extreme heat, cold or humidity.	 Whichever comes first: 30 days after opening the foil pouch. When the counter displays zero. After the printed expiration date. 	
Arnuity Ellipta	fluticasone furoate	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight.	Whichever comes first: o 6 weeks after removal from protective foil. o When dose indicator reads zero.	
Asmanex HFA	mometasone furoate	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: O When the counter reaches zero. O After the printed expiration date.	
Asmanex TwistHaler	mometasone furoate	Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: o 45 days after opening. o When the counter reads zero/the device locks out	
Flovent Diskus	fluticasone propionate	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: o 6 weeks (50mcg strength) after opening the foil pouch o Two months (100 and 250 mcg strengths) after opening the foil pouch. o Or when the counter reads zero	

Flovent HFA	fluticasone propionate	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: O When the counter reaches zero. O After the printed expiration date.
Pulmicort Flexhaler	budesonide	Room Temp: 20-25°C (68-77°F). Store in a dry place.	Whichever comes first: O When the counter reaches zero. O After the printed expiration date.
QVAR Redihaler	beclomethasone dipropionate	Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: O When the counter reaches zero. O After the printed expiration date.

Inhaled Corticost	Inhaled Corticosteroid (ICS)/Long-Acting Beta-Agonist (LABA) Combination			
Brand	Generic	Storage	Beyond Use Date Once Opened	
Advair Diskus	fluticasone proiponate and salmeterol	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight.	 Whichever comes first: 1 month after opening the foil pouch. When the counter reaches zero. 	
Advair HFA	fluticasone proiponate and salmeterol	Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: O When the counter reaches zero. O After the printed expiration date.	
AirDuo Digihaler	fluticasone proiponate and salmeterol	Room Temp: 15-25°C (59-77°F). Excursions permitted between 15-30°C (59-86°F). Avoid exposure to extreme heat, cold or humidity.	Whichever comes first: o 30 days after opening the foil pouch. o When the counter reaches zero. o After the printed expiration date.	
AirDuo RespiClick	fluticasone proiponate and salmeterol	Room Temp: 15-25°C (59-77°F). Excursions permitted between 15-30°C (59-86°F). Avoid exposure to extreme heat, cold or humidity.	Whichever comes first: o 30 days after opening the foil pouch. o When the counter reaches zero. o After the printed expiration date.	

Breo Ellipta	Fluticasone furoate and	Room Temp: 20-25°C	Whichever comes first:
	vilanterol	(68-77°F). Excursions	o 6 weeks after removal
		permitted between 15-	from protective foil.
		30°C (59-86°F). Store in	 When dose indicator
		a dry place away from	reads zero.
		direct heat or sunlight.	
Dulera	mometasone furoate and	Room Temp: 25°C	Whichever comes first:
	formoterol fumarate	(77°F). Excursions	 When the counter
	dihydrate	permitted between 15-	reaches zero.
		30°C (59-86°F).	 After the printed
			expiration date.
Symbicort	budesonide and	Room Temp: 20-25°C	Whichever comes first:
	formoterol fumarate	(68-77°F). Excursions	o 3 months after first use
	dihydrate	permitted between 15-	at the latest.
		30°C (59-86°F). Protect	O When the counter
		from freezing or	reaches zero.
		prolonged exposure to	
		direct sunlight. Exposure	
		to temps above 120°F	
		can cause bursting	
Wixela Inhub	fluticasone proiponate	Room Temp: 20-25°C	Whichever comes first:
	and salmeterol	(68-77°F). Excursions	o 1 month after opening
		permitted between 15-	the foil pouch.
		30°C (59-86°F). Store in	 When the counter
		a dry place away from	reaches zero.
		direct heat or sunlight.	

Long-Acting Beta Agonist (LABA)/Long-Acting Muscarinic Antagonist (LAMA) Combination				
Brand	Generic	Storage	Beyond Use Date Once Opened	
Anoro Ellipta	umeclidinium and vilanterol	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight.	Whichever comes first: o 6 weeks after removal from protective foil. o When dose indicator reads zero.	
Bevespi Aerosphere	glycopyrrolate and formoterol fumarate	Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F).	Whichever comes first: o 3 Months after removal from foil pouch. o When the counter reaches zero/the device locks out.	
Duaklir Pressair	aclidinium bromide and formoterol fumarate	Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F).	 Whichever comes first: 2 Months after removal from foil pouch. When the counter reaches zero/the device locks out. 	

Stiolto Respimat	tiotropium bromide and	Room Temp: 25°C	Whichever comes first:
	olodaterol	(77°F). Excursions	o 3 Months after removal
		permitted between 15-	from foil pouch.
		30°C (59-86°F).	 When the counter
			reaches zero/the device
			locks out.

Inhaled Corticosteroid (ICS)/Long-Acting Beta-Agonist (LABA)/ Long-Acting Muscarinic Antagonist (LAMA) Combination Brand Generic **Beyond Use Date Once** Storage Opened Trelegy Ellipta Whichever comes first: fluticasone furoate, Room Temp: 20-25°C (68-77°F). Excursions umeclidinium and o 6 weeks after removal permitted between 15from protective foil. vilanterol 30°C (59-86°F). Store in When dose indicator a dry place away from reads zero. direct heat or sunlight. Breztri Aerosphere Room Temp: 20-25°C Whichever comes first: budesonide, glycopyrrolate and (68-77°F). Excursions o After 3 weeks for the formoterol fumarate permitted between 15-28-inhalation canister. 30°C (59-86°F). Store in After 3 months for the a dry place away from 120-inhalation canister. When the counter direct heat or sunlight.

Short-Acting Bega-Agonists (SABA)/Short-Acting Muscarinic Antagonist					
	(SAMA) Combination				
Brand Generic Storage Beyond Use Date Onc					
			Opened		
Combivent Respimat	ipratropium bromide and	Room Temp: 25°C	Whichever comes first:		
	albuterol sulfate	(77°F). Excursions	 When the counter 		
		permitted between 15-	reaches zero.		
		30°C (59-86°F).	 After the printed 		
			expiration date.		

reaches zero.