

Pharmacy Policy

Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Modulators – Unified Formulary

Policy Number: 9.148

Version Number: 2

Version Effective Date: 1/1/2022

Product Applicability		<input type="checkbox"/> All Plan+ Products
Well Sense Health Plan	Boston Medical Center HealthNet Plan	
<input type="checkbox"/> New Hampshire Medicaid	<input checked="" type="checkbox"/> MassHealth ACO	
	<input checked="" type="checkbox"/> MassHealth MCO	
	<input type="checkbox"/> Qualified Health Plans/ConnectorCare/Employer Choice Direct	
	<input type="checkbox"/> Senior Care Options	

Note: Disclaimer and audit information is located at the end of this document.

Policy

Reference Table:

Drugs That Require PA	No PA
Kalydeco® (ivacaftor) ^{PD}	
Orkambi® (lumacaftor/ivacaftor) ^{PD}	
Symdeko® (tezacaftor/ivacaftor) ^{PD}	
Trikafta® (elexacaftor/tezacaftor/ivacaftor) ^{PD}	

PD=preferred drug. In general, MassHealth requires a trial of the preferred drug or clinical rationale for prescribing a non-preferred drug within a therapeutic class.

Procedure:

Approval Diagnosis:	Cystic Fibrosis
Approval Criteria:	Prescriber provides documentation of ALL of the following:
Kalydeco® (ivacaftor)	<ol style="list-style-type: none"> Appropriate diagnosis (<i>specific gene mutation MUST be noted</i>)* Member is ≥ 4 months of age Request does not exceed 2 units/day‡ Baseline body mass index (BMI) and percent predicted forced
Cystic Fibrosis with one	

<p>mutation in the CFTR gene that is responsive to ivacaftor*</p>	<p>expiratory volume in one second (ppFEV₁) †</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>Members < 4 months old will be evaluated on a case-by-case basis, evaluating available literature. Please forward request to the Clinical Reviewer for follow-up.</i> • <i>* Please refer to Appendix for full list of approved mutations.</i> • <i>† If member is ≤ 6 years of age, ppFEV1 does not have to be performed</i> • <i>‡ Please review for potential drug drug interactions as highlighted in appendix section</i> • <i>Previous prior authorizations for CFTR modulators should be ended if member is switched to Kalydeco</i>
<p>Approval Criteria:</p> <p>Orkambi® (lumacaftor/ivacaftor)</p> <p>Cystic Fibrosis with two copies (homozygous) of the F508del-CFTR mutation</p>	<p>Prescriber provides documentation of ALL of the following:</p> <ol style="list-style-type: none"> 1. Appropriate diagnosis (<i>specific gene mutation MUST be noted</i>) 2. Member is ≥ 2 years of age 3. Request does not exceed 4 tablets/day or 2 packets/day‡ 4. Baseline BMI and ppFEV₁ † <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>Members < 2 years old will be evaluated on a case-by-case basis, evaluating available literature. Please forward request to the Clinical Reviewer for follow-up.</i> • <i>† If member is ≤ 6 years of age, ppFEV1 does not have to be performed</i> • <i>‡ Please review for potential drug drug interactions as highlighted in appendix section</i> • <i>Previous prior authorizations for CFTR modulators should be ended if member is switched to Orkambi</i>
<p>Approval Criteria:</p> <p>Symdeko® (tezacaftor/ivacaftor)</p> <p>Cystic Fibrosis with two copies (homozygous) of the F508del-CFTR mutation or at least one mutation in the CFTR gene that is responsive to tezacaftor/ivacaftor*</p>	<p>Prescriber provides documentation of ALL of the following:</p> <ol style="list-style-type: none"> 1. Appropriate diagnosis (<i>specific gene mutation MUST be noted</i>)* 2. Member is ≥ 6 years of age 3. Request does not exceed 2 tablets/day‡ 4. Baseline BMI and ppFEV₁ <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>Members < 6 years old will be evaluated on a case-by-case basis, evaluating available literature. Please forward request to the Clinical Reviewer for follow-up.</i> • <i>* Please refer to Appendix for full list of approved mutations.</i> • <i>‡ Please review for potential drug drug interactions as highlighted in appendix section</i> • <i>Previous prior authorizations for CFTR modulators should be ended if member is switched to Symdeko</i>
<p>Approval Criteria:</p> <p>Trikafta® (elexacaftor/tezacaftor/ivacaftor)</p>	<p>Prescriber provides documentation of ALL of the following:</p> <ol style="list-style-type: none"> 1. Appropriate diagnosis (<i>specific gene mutation MUST be noted</i>)* 2. Member is ≥ 6 years of age 3. Request does not exceed 3 tablets/day‡ 4. Baseline BMI and ppFEV₁

Cystic Fibrosis with at least one F508del mutation in the CFTR gene or a mutation in the CFTR gene that is responsive to elexacaftor/tezacaftor/ivacaftor*	<p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>Members < 6 years old will be evaluated on a case-by-case basis, evaluating available literature. Please forward request to the Clinical Reviewer for follow-up.</i> • <i>*Please refer to Appendix for full list of approved mutations.</i> • <i>‡ Please review for potential drug drug interactions as highlighted in appendix section</i> • <i>Previous prior authorizations for CFTR modulators should be ended if member is switched to Trikafta</i>
Denial Criteria:	<p>Cases that do not meet the approval criteria will be denied.</p> <p>If a request is denied and the prescriber has additional clinical documentation, a new prior authorization request must be submitted.</p>
Duration of Authorization:	Prior authorization may be issued for 6 months .
Recertification Criteria:	<p>Prescriber provides documentation of any positive response to therapy either on the PA form or in medical records (e.g., improvement in BMI, ppFEV₁, decrease in clinical exacerbations, etc.). Recertifications may be issued for 12 months.</p> <p>If request does not document a response to therapy, please call office to attempt to gather information. In addition, check member adherence to Orkambi[®], Kalydeco[®], Symdeko[®], or Trikafta[®] and report any gaps in pharmacy fills to office. If unsuccessful within compliance time, issue a provisional one month approval and change outgoing message to alert office to information needed on resubmission.</p> <p>If office/prescriber is unable to provide any documentation of positive response to therapy following an initial six months of continuous treatment, please address rationale for continuation of therapy with prescriber.</p>

Appendix:

Stability

Stability on a medication requiring a prior authorization is not a reason to bypass approval criteria.

Additional Information

FDA-Approved Mutations

CFTR Gene Mutations Responsive to Trikafta					
3141del9	E822K	G1069R	L967S	R117L	S912L
546insCTA	F191V	G1244E	L997F	R117P	S945L
A46D	F311del	G1249R	L1077P	R170H	S977F
A120T	F311L	G1349D	L1324P	R258G	S1159F
A234D	F508C	H139R	L1335P	R334L	S1159P
A349V	F508C;S1251N †	H199Y	L1480P	R334Q	S1251N
A455E	F508del *	H939R	M152V	R347H	S1255P
A554E	F575Y	H1054D	M265R	R347L	T338I
A1006E	F1016S	H1085P	M952I	R347P	T1036N
A1067T	F1052V	H1085R	M952T	R352Q	T1053I
D110E	F1074L	H1375P	M1101K	R352W	V201M
D110H	F1099L	I148T	P5L	R553Q	V232D

CFTR Gene Mutations Responsive to Trikafta					
D192G	G27R	I175V	P67L	R668C	V456A
D443Y	G85E	I336K	P205S	R751L	V456F
D443Y;G576A;R668C †	G126D	I502T	P574H	R792G	V562I
D579G	G178E	I601F	Q98R	R933G	V754M
D614G	G178R	I618T	Q237E	R1066H	V1153E
D836Y	G194R	I807M	Q237H	R1070Q	V1240G
D924N	G194V	I980K	Q359R	R1070W	V1293G
D979V	G314E	I1027T	Q1291R	R1162L	W361R
D1152H	G463V	I1139V	R31L	R1283M	W1098C
D1270N	G480C	I1269N	R74Q	R1283S	W1282R
E56K	G551D	I1366N	R74W	S13F	Y109N
E60K	G551S	K1060T	R74W;D1270N †	S341P	Y161D
E92K	G576A	L15P	R74W;V201M †	S364P	Y161S
E116K	G576A;R668C †	L165S	R74W;V201M;D1270N †	S492F	Y563N
E193K	G622D	L206W	R75Q	S549N	Y1014C
E403D	G628R	L320V	R117C	S549R	Y1032C
E474K	G970D	L346P	R117G	S589N	
E588V	G1061R	L453S	R117H	S737F	

* F508del is a responsive CFTR mutation based on both clinical and *in vitro* data.
† Complex/compound mutations where a single allele of the CFTR gene has multiple mutations; these exist independent of the presence of mutations on the other allele.

List of CFTR Gene Mutations that Produce CFTR Protein and are Responsive to Symdeko					
546insCTA	E92K	G576A	L346P	R117G	S589N
711+3A→G *	E116K	G576A;R668C †	L967S	R117H	S737F
2789+5G→A *	E193K	G622D	L997F	R117L	S912L
3272-26A→G *	E403D	G970D	L1324P	R117P	S945L *
3849+10kbC→T *	E588V	G1069R	L1335P	R170H	S977F *
A120T	E822K	G1244E	L1480P	R258G	S1159F
A234D	E831X	G1249R	M152V	R334L	S1159P
A349V	F191V	G1349D	M265R	R334Q	S1251N
A455E *	F311del	H939R	M952I	R347H *	S1255P
A554E	F311L	H1054D	M952T	R347L	T338I
A1006E	F508C	H1375P	P5L	R347P	T1036N
A1067T	F508C;S1251N †	I148T	P67L *	R352Q *	T1053I
D110E	F508del ^	I175V	P205S	R352W	V201M
D110H *	F575Y	I336K	Q98R	R553Q	V232D
D192G	F1016S	I601F	Q237E	R668C	V562I
D443Y	F1052V	I618T	Q237H	R751L	V754M
D443Y;G576A;R668C †	F1074L	I807M	Q359R	R792G	V1153E
D579G *	F1099L	I980K	Q1291R	R933G	V1240G
D614G	G126D	I1027T	R31L	R1066H	V1293G
D836Y	G178E	I1139V	R74Q	R1070Q	W1282R
D924N	G178R	I1269N	R74W	R1070W *	Y109N
D979V	G194R	I1366N	R74W;D1270N †	R1162L	Y161S
D1152H *	G194V	K1060T	R74W;V201M †	R1283M	Y1014C
D1270N	G314E	L15P	R74W;V201M;D1270N †	R1283S	Y1032C
E56K	G551D	L206W*	R75Q	S549N	
E60K	G551S	L320V	R117C*	S549R	

* Clinical data for these mutations in Clinical Studies.
^ A patient must have two copies of the F508del mutation or at least one copy of a responsive mutation presented in Table 6 to be indicated.
† Complex/compound mutations where a single allele of the CFTR gene has multiple mutations; these exist independent of the presence of mutations on the other allele.

List of CFTR Gene Mutations that Produce CFTR Protein and are Responsive to Kalydeco
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711+3A→G *	F311del	I148T	R75Q	S589N
2789+5G→A *	F311L	I175V	R117C*	S737F
3272-26A→G *	F508C	I807M	R117G	S945L*
3849+10kbC→T *	F508C;S1251N †	I1027T	R117H*	S997F *
A120T	F1052V	I1139V	R117L	S1159F
A234D	F1074L	K1060T	R117P	S1159P
A349V	G178E	L206W *	R170H	S1251N*
A455E *	G178R*	L320V	R347H*	S1255P*
A1067T	G194R	L967S	R347L	T338I
D110E	G314E	L997F	R352Q*	T1053I
D110H	G551D *	L1480P	R553Q	V232D
D192G	G551S *	M152V	R668C	V562I
D579G *	G576A	M952I	R792G	V754M
D924N	G970D	M952T	R993G	V1293G
D1152H *	G1069R	P67L*	R1070Q	W1282R
D1270N	G1244E *	Q237E	R1070W*	Y1014C
E56K	G1249R	Q237H	R1162L	Y1032C
E193K	G1349D*	Q359R	R1283M	
E822K	H939R	Q1291R	S549N*	
E831X*	H1375P	R74W	S549R*	

* Clinical data exist for these mutations.

† Complex/compound mutations where a single allele of the CFTR gene has multiple mutations; these exist independent of the presence of mutations on the other allele.

Requests for Mutations other than the FDA-Approved Indications

Requests for mutations other than those listed above in the individual approval criteria or in the specific package inserts should be denied non-FDA approved indication.

Drug-Drug Interactions Requiring Dose Adjustments for the CFTR Modulator

All requests for CFTR modulators should be reviewed for drug interactions. If the request notes member is currently being treated with the specific agents below (or there is recent history of claims) that are not recommended for use in combination with the requested regimen or requires a dose reduction of the CFTR modulator, prescriber should address the management of drug interaction on resubmission. Consult clinical reviewer, if necessary.

Kalydeco® (ivacaftor)

Concomitant Drug Class: Drug Name	Effect on Concentration	Recommendations										
Strong Inhibitors of CYP3A (e.g., ketoconazole, itraconazole, posaconazole, voriconazole, telithromycin, clarithromycin)	↑ ivacaftor by 8.5 fold	Reduction in Kalydeco® dose as follows:										
		<table border="1"> <thead> <tr> <th>Age</th> <th>Kalydeco® dose</th> </tr> </thead> <tbody> <tr> <td>≥ 6 years old</td> <td>150 mg twice weekly</td> </tr> <tr> <td>6 months to < 6 years Weight 5 kg to < 7 kg</td> <td>25 mg packet twice weekly</td> </tr> <tr> <td>6 months to < 6 years Weight 7 kg to < 14kg</td> <td>50 mg packet twice weekly</td> </tr> <tr> <td>6 months to < 6 years Weight ≥ 14 kg</td> <td>75 mg packet twice weekly</td> </tr> </tbody> </table>	Age	Kalydeco® dose	≥ 6 years old	150 mg twice weekly	6 months to < 6 years Weight 5 kg to < 7 kg	25 mg packet twice weekly	6 months to < 6 years Weight 7 kg to < 14kg	50 mg packet twice weekly	6 months to < 6 years Weight ≥ 14 kg	75 mg packet twice weekly
		Age	Kalydeco® dose									
		≥ 6 years old	150 mg twice weekly									
		6 months to < 6 years Weight 5 kg to < 7 kg	25 mg packet twice weekly									
		6 months to < 6 years Weight 7 kg to < 14kg	50 mg packet twice weekly									
6 months to < 6 years Weight ≥ 14 kg	75 mg packet twice weekly											
Concomitant use of moderate or strong CYP3A inhibitors is not recommended in children < 6 months of age. Food containing grapefruit should be avoided.												

Concomitant Drug Class: Drug Name	Effect on Concentration	Recommendations										
Moderate Inhibitors of CYP3A (e.g., fluconazole, erythromycin)	↑ ivacaftor by 3 fold	Reduction in Kalydeco [®] dose as follows: <table border="1"> <thead> <tr> <th>Age</th> <th>Kalydeco[®] dose</th> </tr> </thead> <tbody> <tr> <td>≥ 6 years old</td> <td>150 mg once daily</td> </tr> <tr> <td>6 months to < 6 years Weight 5 kg to < 7 kg</td> <td>25 mg packet once daily</td> </tr> <tr> <td>6 months to < 6 years Weight 7 kg to < 14kg</td> <td>50 mg packet once daily</td> </tr> <tr> <td>6 months to < 6 years Weight ≥ 14 kg</td> <td>75 mg packet once daily</td> </tr> </tbody> </table>	Age	Kalydeco [®] dose	≥ 6 years old	150 mg once daily	6 months to < 6 years Weight 5 kg to < 7 kg	25 mg packet once daily	6 months to < 6 years Weight 7 kg to < 14kg	50 mg packet once daily	6 months to < 6 years Weight ≥ 14 kg	75 mg packet once daily
Age	Kalydeco [®] dose											
≥ 6 years old	150 mg once daily											
6 months to < 6 years Weight 5 kg to < 7 kg	25 mg packet once daily											
6 months to < 6 years Weight 7 kg to < 14kg	50 mg packet once daily											
6 months to < 6 years Weight ≥ 14 kg	75 mg packet once daily											
Strong Inducer of CYP3A (e.g., rifampin, rifabutin, phenobarbital, carbamazepine, phenytoin, St. John's wort)	↓ ivacaftor by 9 fold	Do NOT administer together.										

Orkambi[®] (lumacaftor/ivacaftor)

Concomitant Drug Class: Drug Name	Effect on Concentration	Recommendations
Strong Inhibitors of CYP3A (e.g., ketoconazole, itraconazole, posaconazole, voriconazole, telithromycin, clarithromycin)	↑ ivacaftor by 4.3 fold	No dose adjustment is necessary when CYP3A inhibitors are initiated in patients already taking Orkambi. However, when initiating Orkambi in patients currently taking strong CYP3A inhibitors (e.g., itraconazole), reduce Orkambi dose to one tablet daily or one packet of oral granules every other day for the first week of treatment. Following this period, continue with the recommended daily dose. If Orkambi is interrupted for more than one week and then re-initiated while taking strong CYP3A inhibitors, patients should reduce Orkambi dose to one tablet daily or one packet of oral granules every other day for the first week of treatment re-initiation. Following this period, continue with the recommended daily dose.
Strong Inducer of CYP3A (e.g., rifampin, rifabutin, phenobarbital, carbamazepine, phenytoin, St. John's wort)	↓ ivacaftor by 57%	Do NOT administer together.
CYP3A Substrates	May decrease therapeutic effect of other agent	Lumacaftor is a strong inducer of CYP3A. Co-administration of lumacaftor with ivacaftor, a sensitive CYP3A substrate, decreased ivacaftor exposure by approximately 80%. Administration of ORKAMBI may decrease systemic exposure of medicinal products which are substrates of CYP3A, thereby decreasing the therapeutic effect of the medicinal product. Co-administration of ORKAMBI is NOT recommended with sensitive CYP3A substrates or CYP3A substrates with a

Concomitant Drug Class: Drug Name	Effect on Concentration	Recommendations
		narrow therapeutic index such as: Benzodiazepines: midazolam, triazolam Immunosuppressants: cyclosporine, everolimus, sirolimus, and tacrolimus
Please refer to package insert for additional information on potential for lumacaftor/ivacaftor to affect other drugs.		

Symdeko[®] (tezacaftor/ivacaftor)

Concomitant Drug Class: Drug Name	Effect on Concentration	Recommendations						
Strong Inhibitors of CYP3A (e.g., ketoconazole, itraconazole, posaconazole, voriconazole, telithromycin, clarithromycin)	↑ ivacaftor by 15.6 fold as well as ↑ tezacaftor by 4 fold	Reduction in Symdeko [®] dose as follows: <table border="1" data-bbox="735 667 1427 1377"> <thead> <tr> <th>Age</th> <th>Symdeko[®] dose</th> </tr> </thead> <tbody> <tr> <td>6 to < 12 years old weight < 30 kg</td> <td> Day 1: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 2: No dose Day 3: No dose Day 4: One (tezacaftor 50 mg/ivacaftor 75 mg) QAM (No ivacaftor dose in PM) Repeat </td> </tr> <tr> <td>6 to < 12 years old Weight ≥ 30 kg or age ≥ 12 years old</td> <td> Day 1: One (tezacaftor 100 mg/ivacaftor 150 mg) tablet QAM (No ivacaftor dose in PM) Day 2: No dose Day 3: No dose Day 4: One (tezacaftor 100 mg/ivacaftor 150 mg) QAM (No ivacaftor dose in PM) Repeat </td> </tr> </tbody> </table>	Age	Symdeko [®] dose	6 to < 12 years old weight < 30 kg	Day 1: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 2: No dose Day 3: No dose Day 4: One (tezacaftor 50 mg/ivacaftor 75 mg) QAM (No ivacaftor dose in PM) Repeat	6 to < 12 years old Weight ≥ 30 kg or age ≥ 12 years old	Day 1: One (tezacaftor 100 mg/ivacaftor 150 mg) tablet QAM (No ivacaftor dose in PM) Day 2: No dose Day 3: No dose Day 4: One (tezacaftor 100 mg/ivacaftor 150 mg) QAM (No ivacaftor dose in PM) Repeat
		Age	Symdeko [®] dose					
6 to < 12 years old weight < 30 kg	Day 1: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 2: No dose Day 3: No dose Day 4: One (tezacaftor 50 mg/ivacaftor 75 mg) QAM (No ivacaftor dose in PM) Repeat							
6 to < 12 years old Weight ≥ 30 kg or age ≥ 12 years old	Day 1: One (tezacaftor 100 mg/ivacaftor 150 mg) tablet QAM (No ivacaftor dose in PM) Day 2: No dose Day 3: No dose Day 4: One (tezacaftor 100 mg/ivacaftor 150 mg) QAM (No ivacaftor dose in PM) Repeat							
Moderate Inhibitors of CYP3A (e.g., fluconazole, erythromycin)	↑ ivacaftor by 3 fold as well as ↑ tezacaftor by 2 fold	Reduction in Symdeko [®] dose as follows: <table border="1" data-bbox="735 1446 1427 1879"> <thead> <tr> <th>Age</th> <th>Symdeko[®] dose</th> </tr> </thead> <tbody> <tr> <td>6 to < 12 years old weight < 30 kg</td> <td> Day 1: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 2: One ivacaftor 75 mg tablet QAM Day 3: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 4: One ivacaftor 75 mg tablet QAM </td> </tr> </tbody> </table>	Age	Symdeko [®] dose	6 to < 12 years old weight < 30 kg	Day 1: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 2: One ivacaftor 75 mg tablet QAM Day 3: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 4: One ivacaftor 75 mg tablet QAM		
Age	Symdeko [®] dose							
6 to < 12 years old weight < 30 kg	Day 1: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 2: One ivacaftor 75 mg tablet QAM Day 3: One (tezacaftor 50 mg/ivacaftor 75 mg) tablet QAM (No ivacaftor dose in PM) Day 4: One ivacaftor 75 mg tablet QAM							

Concomitant Drug Class: Drug Name	Effect on Concentration	Recommendations	
			<p>Repeat</p> <p>6 to < 12 years old Weight ≥ 30 kg or age ≥ 12 years old</p> <p>Day 1: One (tezacaftor 100 mg/ivacaftor 150 mg) tablet QAM (No ivacaftor dose in PM) Day 2: One ivacaftor 150 mg tablet QAM Day 3: One (tezacaftor 100 mg/ivacaftor 150 mg) tablet QAM (No ivacaftor dose in PM) Day 4: One ivacaftor 150 mg tablet QAM</p> <p>Repeat</p> <p>Food or drink containing grapefruit should be avoided</p>
Strong Inducer of CYP3A (e.g., rifampin, rifabutin, phenobarbital, carbamazepine, phenytoin, St. John's wort)	↓ ivacaftor by 89% as well as ↓ tezacaftor	Do NOT administer together.	

Trikafta® (elexacaftor/tezacaftor/ivacaftor)

Concomitant Drug Class: Drug Name	Effect on Concentration	Recommendations	
Strong Inhibitors of CYP3A (e.g., ketoconazole, itraconazole, posaconazole, voriconazole, telithromycin, clarithromycin)	↑ ivacaftor by 8.5 to 15.6 fold as well as ↑ tezacaftor by 4 fold and ↑elexacaftor by 2.8 fold	<p>Reduction in Trikafta® dose as follows:</p> <p>Day 1: Two tablets (elexacaftor 100 mg/tezacaftor 50 mg/ivacaftor 75 mg) QAM (No ivacaftor dose in PM) Day 2: No dose Day 3: No dose Day 4: Two tablets (elexacaftor 100 mg/tezacaftor 50 mg/ivacaftor 75 mg) QAM (No ivacaftor dose in PM) Repeat</p>	
Moderate Inhibitors of CYP3A (e.g., fluconazole, erythromycin)	↑ ivacaftor by 3 fold as well as ↑ tezacaftor by 2 fold	<p>Reduction in Trikafta® dose as follows:</p> <p>Day 1: Two tablets (elexacaftor 100 mg/tezacaftor 50 mg/ivacaftor 75 mg) QAM (No ivacaftor dose in PM) Day 2: One ivacaftor tablet Day 3: Two tablets (elexacaftor 100 mg/tezacaftor 50 mg/ivacaftor 75 mg) QAM (No ivacaftor dose in PM) Day 4: One ivacaftor tablet Repeat</p> <p>Food containing grapefruit should be avoided</p>	
Strong Inducer of CYP3A	↓ ivacaftor by	Do NOT administer together.	

Concomitant Drug Class: Drug Name	Effect on Concentration	Recommendations
(e.g., rifampin, rifabutin, phenobarbital, carbamazepine, phenytoin, St. John's wort)	89% as well as ↓ elezacaftor and tezacaftor	

Compelling cases - Clinical and/or Supervisor Review

If clinical review/supervisor is not available and compliance is an issue, please approve or deny based on your professional clinical judgment and forward to clinical review for follow-up.

Responsibility and Accountability

Policy History

Original Approval Date	Original Effective Date	Policy Owner	Approved by
5/13/2021	7/1/2021	Pharmacy Services	Pharmacy & Therapeutics (P&T) Committee

Policy Revisions History			
Review Date	Summary of Revisions	Revision Effective Date	Approved by
5/13/2021	Created policy for MH Unified Formulary, policy date 3/15/21. Replaces policy MA9.100 Cystic Fibrosis	7/1/2021	P&T Committee
7/23/2021	Updated policy to reflect 6/23/21 dated changes from MH. Verbiage was updated for age criteria for all drugs. Guideline was also updated to include FDA-expanded age indication for Trikafta ≥ 6 years of age.	9/1/2021	P&T Committee
8/12/2021	Annual P&T Reivew: no changes	1/1/2022	P&T Committee

Next Review Date

8/2022

Other Applicable Policies

References

Reference to Applicable Laws and Regulations, if Any
