

Baltimore-Washington international Thurgood Marshall airport

AIR SERVICE & PASSENGER PERFORMANCE



MDOT MAA RFP-22-001 GENERAL INFORMATION NO. 5



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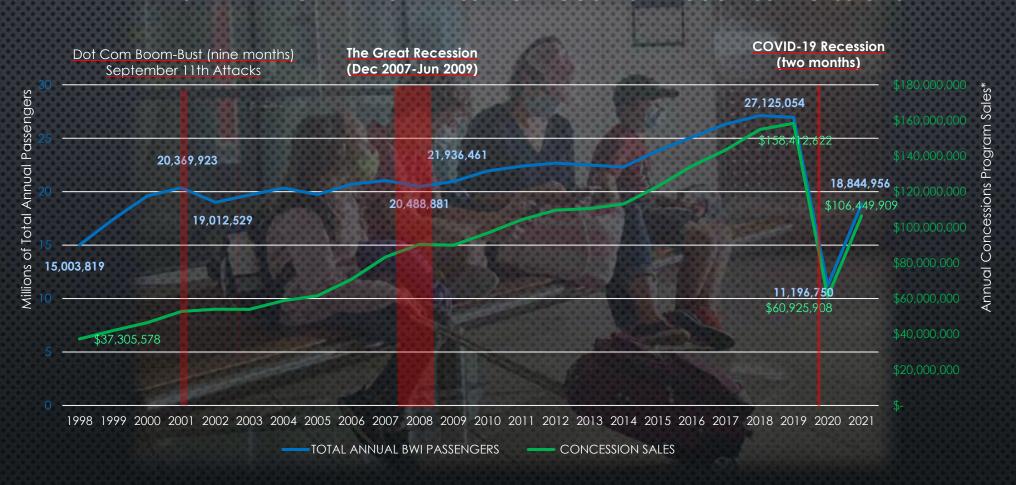


AIRPORT ACTIVITY TRENDS

Past activity may not be indicative of future activity. Changes in air carrier operations at BWI Marshall Airport could materially change future activity at the airport. The administration makes no guarantee of the accuracy or reliability of such information provided to the administration by the airlines and other sources. Further, the information contained in this document is confidential and privileged, only provided as a reference for the registered proponent, and may not be used, published, or redistributed without the prior written consent of the Maryland Department of Transportation Maryland Aviation Administration (Administration). The Administration makes no guarantee concerning the number of passengers that will use the airport in the future. All data provided is for informational purposes and the Administration is not responsible for any inaccuracies thereof. No warranty is intended or implied.

BWI MARSHALL RESILIENCE

BWI MARSHALL AIRPORT ANNUAL PASSENGER COUNTS THROUGH US RECESSIONS



NOTE: Prior to 2007, concession program sales were reported on a fiscal year basis. Since 2007, sales have been reported based on the calendar year.



PASSENGER AIRLINES SERVING BWI MARSHALL

Mainline Airlines²

Alaska Airlines
American Airlines
Delta Air Lines
United Airlines

Essential Air Service ("EAS")

Boutique Air Contour Airlines

Low-Cost Carriers

Allegiant Air

Avelo

Frontier Airlines

JetBlue Airways

Southwest Airlines

Spirit Airlines

Sun Country

Foreign Flag Carriers³

Air Canada

Air Senegal

British Airways

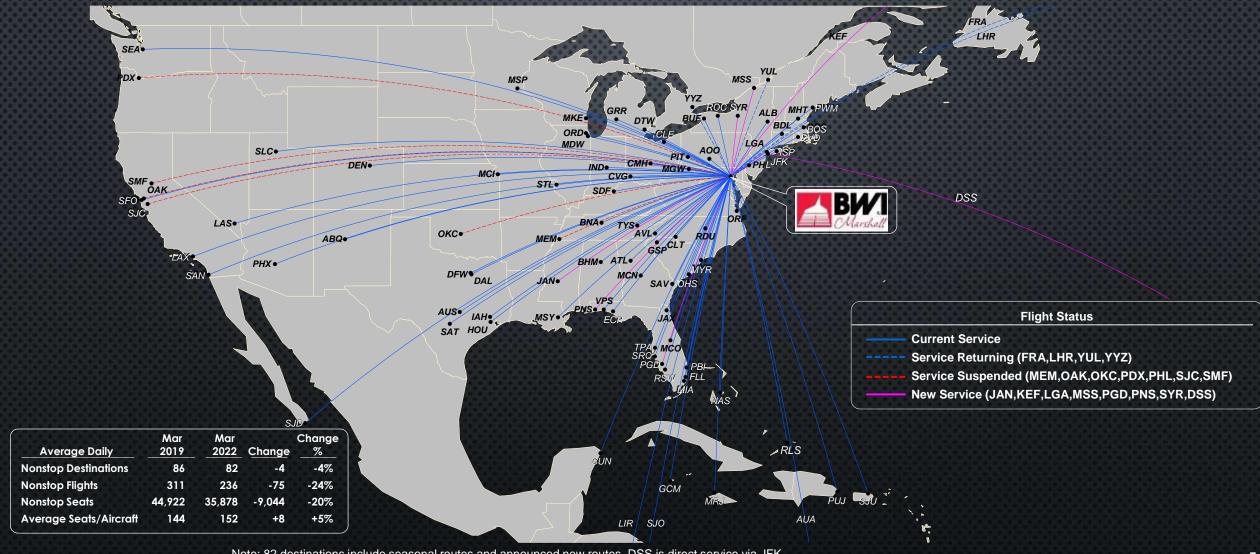
Condor

Icelandair

PLAY



Domestic and Int'l Scheduled Non-Stop Destinations (2021)

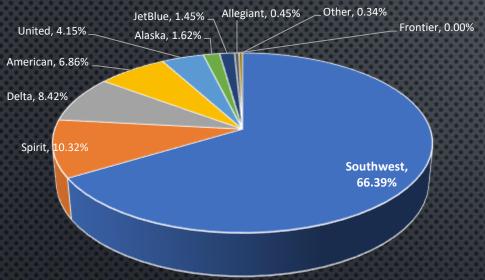




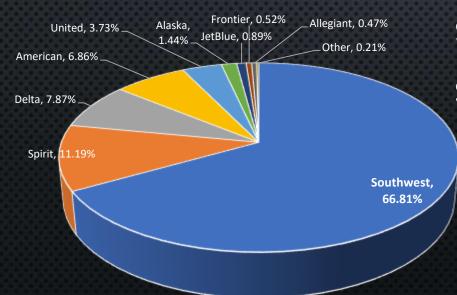
AIRLINE MARKET SHARE

(FISCAL YEAR)

Domestic Airline Market Share FY 2019



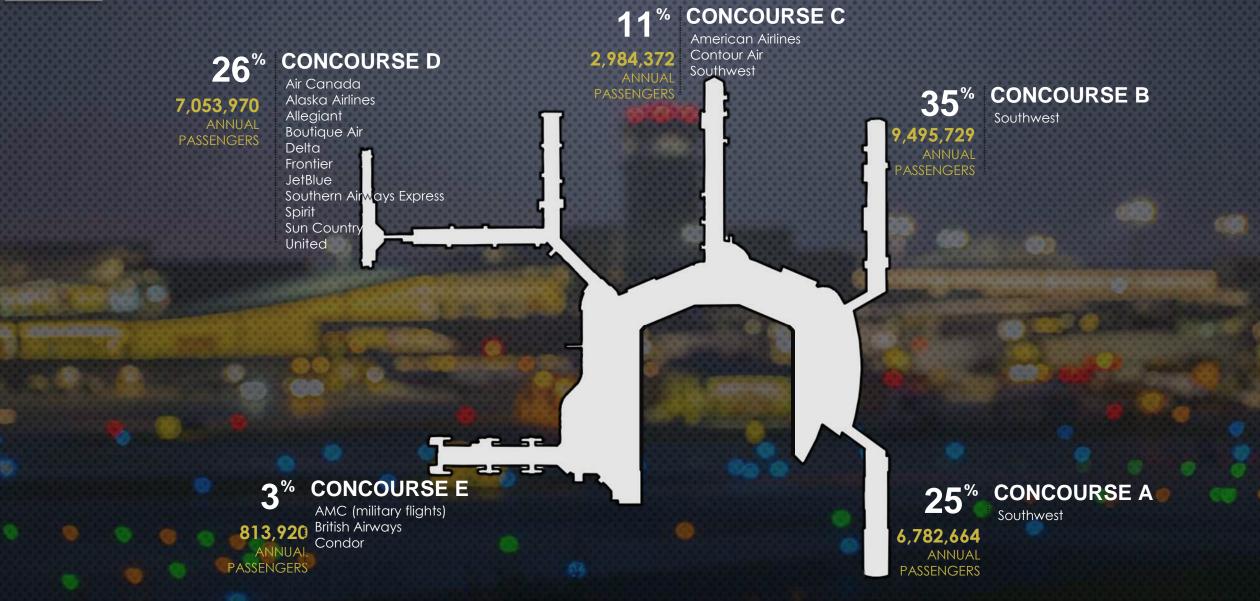
Domestic Airline Market Share FY 2020



0000000000000000	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Domestic			Enplaned Passenş	gers	
Southwest (a)	8,278,543	8,632,719	8,850,763	8,465,545	6,422,702
80680808080808080		0000000000	000000000	5000000000	360606666
Spirit	587,150	823,536	1,104,570	1,315,662	1,075637
Delta	1,047,350	1,028,406	1,048,574	1,073,870	756,811
American (b)	1,007,490	880,180	875,283	875,110	659,129
United	510,232	482,260	529,636	528,864	358,470
Alaska	100,955	128,266	191,805	206,629	138,640
JetBlue	213,927	271,098	258,668	184,735	85,324
Frontier	888888888888	22222222		900000000000	49,786
Allegiant	12,205	46,966	50,044	57,125	44,777
Other (c)		<u>4,228</u>	<u>20,865</u>	<u>43,649</u>	<u>20,000</u>
Subtotal	<u>11,757,852</u>	<u>12,297,659</u>	12,930,208	<u>12,751,189</u>	<u>9,611,276</u>
International					
Southwest (a)	338,253	304,247	299,322	314,105	208,527
Spirit			35,834	81,189	59,479
Air Canada	42,261	48,693	54,822	68,523	52,451
British Airways	57,189	62,308	62,733	65,265	46,801
Other (d)	23,904	33,959	25,742	32,419	15,188
WOW**	<u>49,547</u>	<u>74,223</u>	<u>77,300</u>	<u>56,865</u>	<u>0</u>
Subtotal	511,154	523,430	555,753	618,366	382,466
Charter	<u>62,935</u>	<u>54,865</u>	48,072	<u>46,051</u>	40,582
Total	12,331,941	12,875,954	13,534,033	13,415,606	10,034,304



PRE-PANDEMIC AIRLINE CONCOURSE DISTRIBUTION (2019)





POST-PANDEMIC AIRLINE CONCOURSE DISTRIBUTION (2021*)





PASSENGER ACTIVITY TRENDS

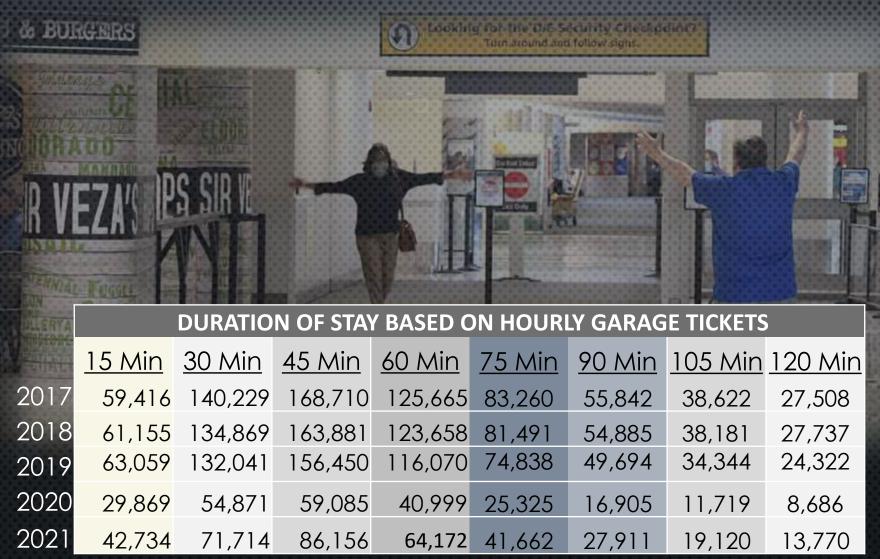


PASSENGER POST-SECURITY MAXIMUM DWELL TIMES





MEETER & GREETER PARKING MAXIMUM DWELL TIMES



	l Cars Parked I Hour or Less
2017	494,020
2018	483,563
2019	467,620
*2020	184,824
2021	264,776

*In 2020, the Airport was closed to non-ticketed passengers under the state of emergency due to the pandemic. This prevented the usual meeters and greeters from waiting in the Terminal Building.

MDOT MAA Office of Ground Transportation

MDOT MAA RFP-22-001

Source:



PASSENGER DEPARTURE TRENDS



TERMINAL JOURNEY ANALYSIS - DEPARTING PASSENGER



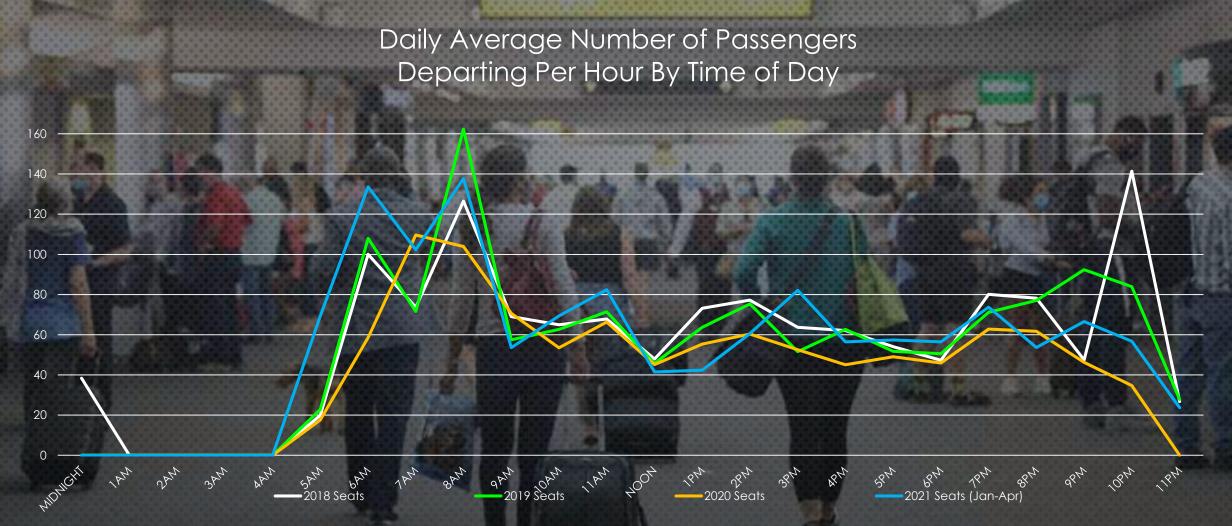
142 min in Mornings

123 min in Afternoons

109 min in Evenings



HOURLY PASSENGER DEPARTURE TRENDS



* Based on annual total seats sold on flights arriving at BWI Marshall Airport; does not account for seasonal fluctuations in passenger traffic. Partial Year totals for 2021 were averaged for the number of days elapsed by April 30 of that year.



HOURLY PASSENGER DEPARTURE TRENDS (2018)

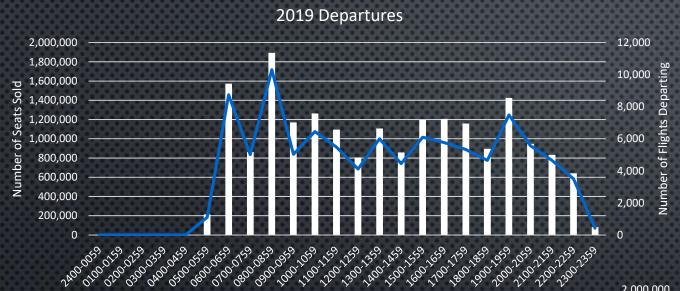
2018 Departures by Time of Day

50000000	MORNING		AF	TERNOON	
	<u>Flights</u>	<u>Seats</u>		<u>Flights</u>	<u>Seats</u>
MIDNIGHT	70	14,000	NOON	4,845	664,560
1:00-1:59	0	0	1:00-1:59	6,928	1,041,150
2:00-2:59	0	0	2:00-2:59	5,820	817,244
3:00-3:59	0	0	3:00-3:59	7,565	1,046,195
4:00-4:59	0	0	4:00-4:59	7,244	1,019,954
5:00-5:59	1,329	181,277	5:00-5:59	7,176	927,063
6:00-6:59	8,192	1,241,197	6:00-6:59	4,973	673,256
7:00-7:59	6,077	940,658	7:00-7:59	10,251	1,491,330
8:00-8:59	12,154	1,800,953	8:00-8:59	6,036	856,173
9:00-9:59	6,607	831,006	9:00-9:59	2,369	381,192
10:00-10:59	8,093	1,114,000	10:00-10:59	5,485	825,603
11:00-11:59	6,126	891,325	11:00-11:59	600	87,880





HOURLY PASSENGER DEPARTURE TRENDS (2019-2020)

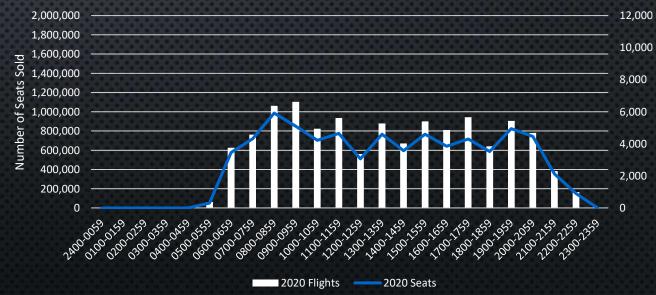


2019 Seats

Source:

2019 Flights

2020 Departures



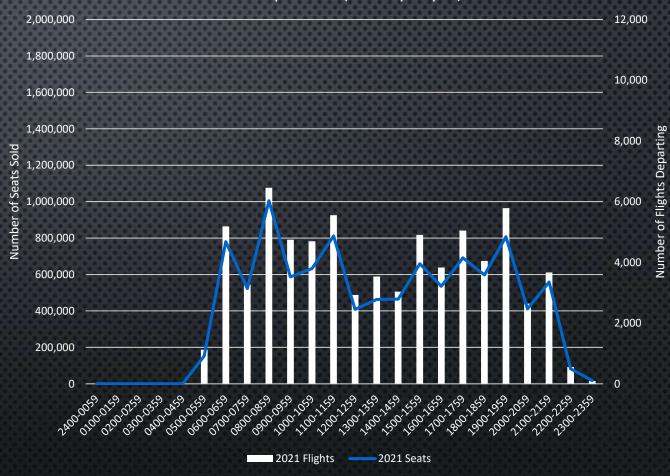


HOURLY PASSENGER DEPARTURE TRENDS (2021)

2021 Departures by Time of Day

	MORNING		AFTERNOON_						
	<u>Flights</u>	<u>Seats</u>	3000000000	<u>Flights</u>	<u>Seats</u>				
MIDNIGHT	0	0	NOON	2,929	408,662				
1:00-1:59	0	0	1:00-1:59	3,534	463,336				
2:00-2:59	0	0	2:00-2:59	3,037	464,571				
3:00-3:59	0	0	3:00-3:59	4,904	658,973				
4:00-4:59	0	0	4:00-4:59	3,828	535,378				
5:00-5:59	1,123	151,892	5:00-5:59	5,050	691,133				
6:00-6:59	5,183	780,047	6:00-6:59	4,048	597,575				
7:00-7:59	3,259	523,001	7:00-7:59	5,786	807,419				
8:00-8:59	6,456	1,005,505	8:00-8:59	2,639	411,439				
9:00-9:59	4,748	586,994	9:00-9:59	3,666	558,582				
10:00-10:59	4,693	633,084	10:00-10:59	552	82,933				
11:00-11:59	5,553	812,091	11:00-11:59	95	17,306				

2021 Departures (January - April)





PASSENGER ARRIVAL TRENDS



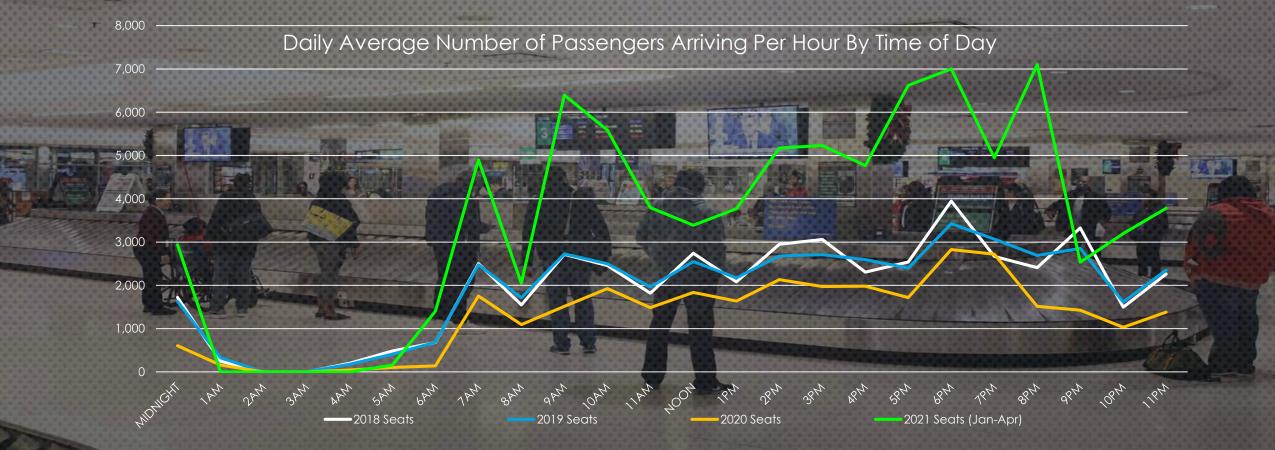
TERMINAL JOURNEY ANALYSIS - ARRIVING PASSENGER



Average passenger travel time is **90 min** in Mornings Average passenger travel time is **103 min** in Afternoons Average passenger travel time is **110 min** in Evenings



HOURLY PASSENGER ARRIVAL TRENDS

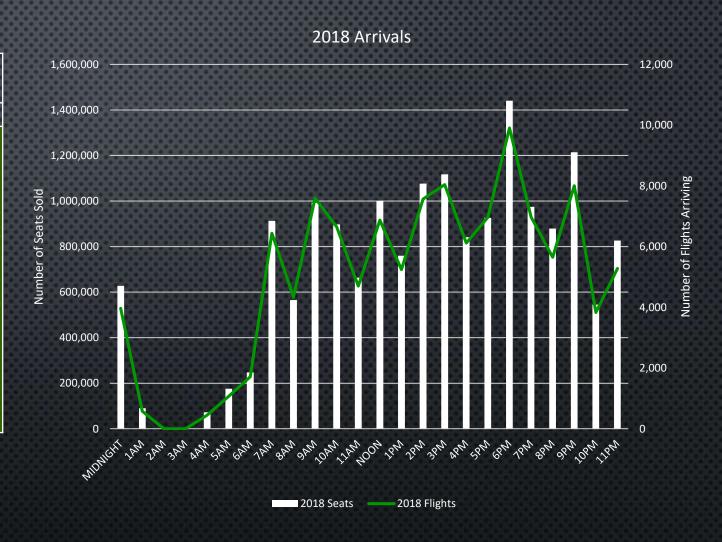


* Based on annual total seats sold on flights arriving at BWI Marshall Airport; does not account for seasonal fluctuations in passenger traffic. Partial Year totals for 2021 were averaged for the number of days elapsed by April 30 of that year.



HOURLY PASSENGER ARRIVAL TRENDS (2018)

2018 Arrivals by Time of Day **MORNING AFTERNOON Flights Flights Seats** Seats **MIDNIGHT** 3,966 627,947 NOON 6,870 1,000,583 759.407 578 90203 5.240 1:00-1:59 1:00-1:59 2:00-2:59 2:00-2:59 7,566 1,076,554 3:00-3:59 3:00-3:59 8,040 1,117,284 145 4:00-4:59 449 72363 4:00-4:59 6,117 841,293 5:00-5:59 176,092 5:00-5:59 926,281 1,069 6,964 6:00-6:59 1,712 247.618 6:00-6:59 9,907 1,440,490 7:00-7:59 7:00-7:59 6,436 912,596 6,973 974,586 878,918 8:00-8:59 4,339 565,049 8:00-8:59 5.647 9:00-9:59 7,599 992,068 9:00-9:59 8,005 1,213,907 10:00-10:59 6.648 897,448 3,832 545,745 10:00-10:59 11:00-11:59 4.699 663.130 11:00-11:59 5,280 826.185





HOURLY PASSENGER ARRIVAL TRENDS (2019-2020)



Source:



HOURLY PASSENGER ARRIVAL TRENDS (2021)

2021 Arrivals by Time of Day

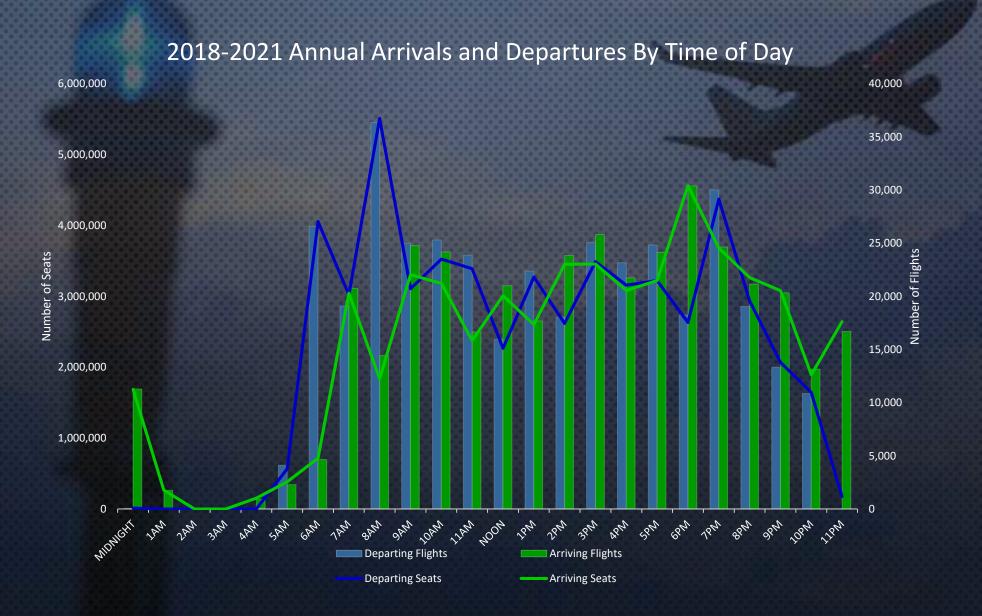
00000000000	0000000	00000000	100000000000000000000000000000000000000						
N	IORNING		AF	TERNOON					
	Flights	<u>Seats</u>	100000000000	Flights	<u>Seats</u>				
MIDNIGHT	2,155	352,471	NOON	3,200	406,937				
1:00-1:59	0	0	1:00-1:59	3,095	452,416				
2:00-2:59	0	0	2:00-2:59	4,102	620,812				
3:00-3:59	0	0	3:00-3:59	4,724	627,716				
4:00-4:59	0	0	4:00-4:59	4,050	571,995				
5:00-5:59	106	19,205	5:00-5:59	5,569	794,449				
6:00-6:59	1,054	168,415	6:00-6:59	5,596	840,024				
7:00-7:59	3,812	588,271	7:00-7:59	4,093	593,986				
8:00-8:59	1,849	246,017	8:00-8:59	5,566	852,064				
9:00-9:59	6,037	767,157	9:00-9:59	2,050	304,174				
10:00-10:59	4,811	670,276	10:00-10:59	2,801	383,826				
11:00-11:59	3,341	455,408	11:00-11:59	2,960	453,936				

2021 Arrivals (January - April)





COMPARATIVE HOURLY PASSENGER TRENDS





EPAX ANNUAL PERFORMANCE

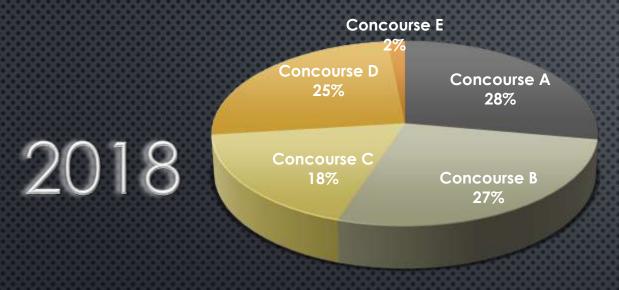


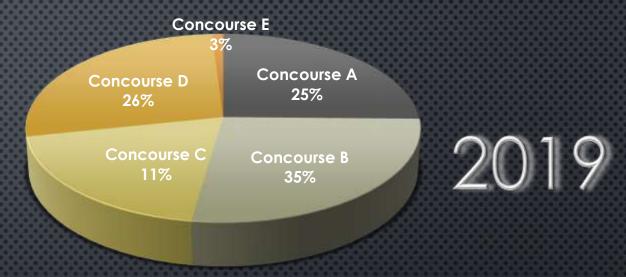
EPAX OVERALL ANNUAL PERFORMANCE (2016-2021)

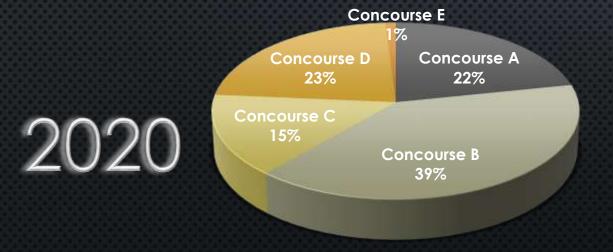


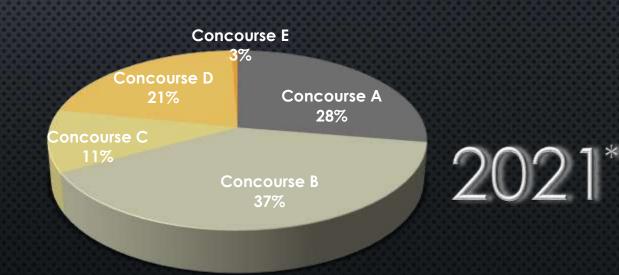


PASSENGER DISTRIBUTION BY CONCOURSE (2018-2021)









^{*} December 2021 passenger data is as of February 5, 2022.

Minor variation may occur before BWI Marshall 2021 passenger data is finalized.



2019 EPAX/DPAX MONTHLY PERFORMANCE



EPAX/DPAX PERFORMANCE BY CONCOURSE 2019

		Ε	NPLANED	PASSENG	ERS		DEPLANED PASSENGERS						TOTAL
	Concourse A	Concourse B	Concourse C	Concourse D	Concourse E	TOTAL	Concourse A	Concourse B	Concourse C	Concourse D	Concourse E	TOTAL	PASSENGERS
Jan-19	267,086	290,375	102,744	220,478	13,543	894,226	258,678	275,232	95,610	217,051	52,479	899,050	1,793,135
Feb-19	195,542	282,606	132,018	213,844	10,843	834,853	186,554	264,127	125,659	206,005	42,119	824,464	1,659,077
Mar-19	273,746	284,985	226,016	306,775	13,366	1,104,888	269,543	276,721	216,005	308,125	46,880	1,117,274	2,221,162
Apr-19	294,636	296,121	225,036	310,880	8,863	1,135,536	276,897	276,300	211,519	304,921	44,447	1,114,084	2,249,619
May-19	304,447	297,065	246,167	340,168	9,316	1,197,163	301,556	286,488	242,081	332,738	43,454	1,206,317	2,403,480
Jun-19	302,405	308,795	255,591	357,995	14,648	1,239,434	291,151	290,148	236,730	339,468	54,811	1,212,308	2,451,742
Jul-19	314,767	321,313	254,052	370,191	14,036	1,274,359	307,280	306,240	241,204	355,163	60,829	1,270,716	2,545,075
Aug-19	287,004	317,855	273,675	363,935	14,247	1,256,716	281,146	308,716	263,965	357,917	49,149	1,260,893	2,517,609
Sep-19	258,328	265,227	227,794	285,111	11,634	1,048,094	263,734	281,078	223,748	287,269	29,193	1,085,022	2,133,136
Oct-19	297,717	317,933	245,989	315,278	10,024	1,186,941	296,760	308,808	232,347	309,880	26,655	1,174,450	2,361,391
Nov-19	295,703	312,989	211,812	291,109	9,681	1,121,294	290,814	309,774	201,748	284,271	45,482	1,132,089	2,253,383
Dec-19	320,477	351,020	218,750	299,800	10,684	1,200,731	310,272	329,395	204,896	278,961	50,289	1,173,813	2,374,544
2019 Totals	3,411,858	3,646,284	2,619,644	3,675,564	140,885	13,526,019	3,334,385	3,513,027	2,495,512	3,581,769	545,787	13,438,334	26,964,353

Source: MDOT MAA Passenger Data: "Distribution of Enplaned and Deplaned Passengers by Concourse Calendar Year 2019"



MONTH-BY-MONTH PASSENGER PERFORMANCE 2019

CY2019	TOTAL	CHANGE IN	PERCENT	DOM	ESTIC	INTERNA	ATIONAL	NON-TERMINAL
C12013	PASSENGERS	PASSENGERS	GROWTH	Enplanements	Deplanements	Enplanements	Deplanements	PASSENGERS
January	1,793,612			880,852	846,261	13,543	52,479	477
February	1,659,529	(134,083)	-7%	824,116	781,999	10,843	42,119	452
March	2,221,468	561,939	34%	1,090,675	1,070,241	13,366	46,880	306
April	2,251,831	30,363	1%	1,127,778	1,068,531	8,863	44,447	2,212
May	2,408,524	156,693	7%	1,190,369	1,160,341	9,316	43,454	5,044
June	2,454,705	46,181	2%	1,226,267	1,156,016	14,648	54,811	2,963
July	2,546,602	91,897	4%	1,262,490	1,207,720	14,036	60,829	1,527
August	2,519,494	(27,108)	-1%	1,243,412	1,210,801	14,247	49,149	1,885
September	2,139,485	(380,009)	-15%	1,050,417	1,041,892	11,634	29,193	6,349
October	2,365,837	226,352	11%	1,179,141	1,145,571	10,024	26,655	4,446
November	2,257,211	(108,626)	-5%	1,118,122	1,080,098	9,681	45,482	3,828
December	2,375,236	118,025	5%	1,190,495	1,123,076	10,684	50,289	692
Totals	26,993,534			13,384,134	12,892,547	140,885	545,787	30,181

Source: MDOT MAA Passenger Data: "Distribution of Enplaned and Deplaned Passengers by Concourse Calendar Year 2019"

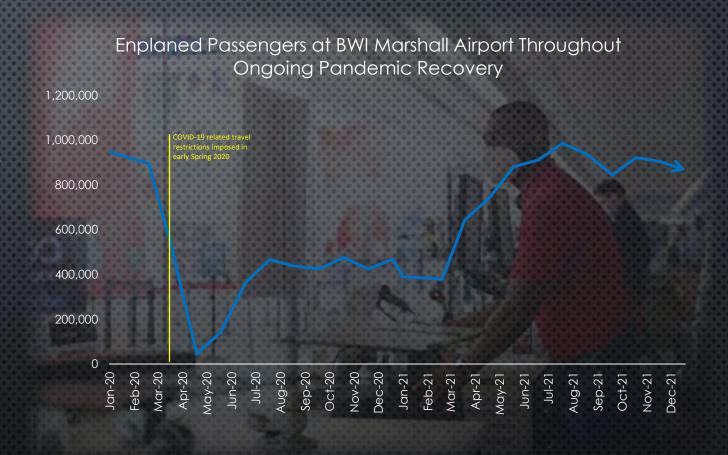


2020 EPAX/DPAX MONTHLY PERFORMANCE



IMPACT OF COVID-19

In the early months of 2020, the global health crisis of COVID-19 caused a drastic reduction in travel. Due to the pandemic, enplanements and revenue data for 2020 are significantly lower than in prior years. However, as the recovery continues, BWI Marshall Airport enplanements continue to trend toward prepandemic levels.





TOTAL ENPLANED/DEPLANED PASSENGERS 2020

		Е	NPLANED	PASSENGE	RS		DEPLANED PASSENGERS						TOTAL PASSENGERS
	Concourse A	Concourse B	Concourse C	Concourse D	Concourse E	TOTAL	Concourse A	Concourse B	Concourse C	Concourse D	Concourse E	TOTAL	PASSENGERS
Jan-20	258,491	327,518	109,304	244,434	8,802	948,549	258,252	300,142	102,779	239,987	53,008	954,168	1,902,717
Feb-20	176,778	309,853	158,613	242,961	6,172	894,377	176,283	289,611	147,458	234,789	46,939	895,080	1,789,457
Mar-20	103,491	166,840	89,392	148,850	3,337	511,910	108,247	170,207	91,062	153,261	18,324	541,101	1,053,011
Apr-20	10,022	19,036	5,428	9,084	1,827	45,397	9,645	18,572	5,097	8,178	2,321	43,813	89,210
May-20	28,855	76,349	22,129	12,032	3,675	143,040	27,297	74,678	20,986	12,034	1,989	136,984	280,024
Jun-20	79,193	181,786	59,402	40,296	4,653	365,330	76,313	181,933	55,232	37,963	7,511	358,952	724,282
Jul-20	92,765	191,441	59,637	115,496	7,126	466,465	91,305	187,804	56,419	113,051	11,445	460,024	926,489
Aug-20	89,519	182,146	65,342	95,328	3,654	435,989	86,827	186,006	58,250	96,381	17,390	444,854	880,843
Sep-20	90,308	182,962	75,491	71,128	5,193	425,082	84,684	188,812	64,177	72,857	11,653	422,183	847,265
Oct-20	99,198	204,870	74,515	93,472	3,079	475,134	94,802	201,262	65,021	86,791	16,227	464,103	939,237
Nov-20	87,956	175,371	58,924	97,391	4,572	424,214	86,571	175,051	55,366	95,716	16,055	428,759	852,973
Dec-20	103,377	202,655	59,584	98,118	3,604	467,338	96,429	191,922	49,922	88,020	17,611	443,904	911,242
2020 Totals	1,219,953	2,220,827	837,761	1,268,590	55,694	5,602,825	1,196,655	2,166,000	771,769	1,239,028	220,473	5,593,925	11,196,750

Source: MDOT MAA Passenger Data: "Distribution of Enplaned and Deplaned Passengers by Concourse Calendar Year 2020"



MONTH-BY-MONTH PASSENGER PERFORMANCE 2020

CY2020								
	TOTAL	MONTH-OVER-N	10NTH	DOM	ESTIC	INTERNA	ATIONAL	NON-TERMINAL
	PASSENGERS	CHANGE		Enplanements	Deplanements	Enplanements	Deplanements	PASSENGERS
January	1,902,717			939,747	901,160	8,802	53,008	1,302
February	1,789,457	(113,260)	-6%	888,205	848,141	6,172	46,939	425
March	1,053,011	(736,446)	-41%	508,573	522,777	3,337	18,324	80
April	89,210	(963,801)	-92%	43,570	41,492	1,827	2,321	0
May	280,024	190,814	214%	139,365	134,995	3,675	1,989	130
June	724,282	444,258	159%	360,677	351,441	4,653	7,511	0
July	926,489	202,207	28%	459,339	448,579	7,126	11,445	228
August	880,843	(45,646)	-5%	432,335	427,464	3,654	17,390	796
September	847,265	(33,578)	-4%	419,889	410,530	5,193	11,653	1,314
October	939,237	91,972	11%	472,055	447,876	3,079	16,227	1,059
November	852,973	(86,264)	-9%	419,642	412,704	4,572	16,055	1,511
December	911,242	58,269	7%	463,734	426,293	3,604	17,611	871
	11,196,750			5,547,131	5,373,452	55,694	220,473	7,761

Source: MDOT MAA Passenger Data: "Distribution of Enplaned and Deplaned Passengers by Concourse Calendar Year 2020"



2021 EPAX/DPAX MONTHLY PERFORMANCE



TOTAL ENPLANED/DEPLANED PASSENGERS 2021

		Ef	NPLANED	PASSENGE	RS		DEPLANED PASSENGERS						TOTAL PASSENGERS
	Concourse A	Concourse B	Concourse C	Concourse D	Concourse E	TOTAL	Concourse A	Concourse B	Concourse C	Concourse D	Concourse E	TOTAL	PASSENGERS
Jan-21	86,894	160,546	53,053	84,003	5,092	389,588	86,288	152,568	49,587	84,551	25,632	398,626	788,214
Feb-21	91,967	158,685	47,423	77,575	3,354	379,004	87,274	150,752	43,806	74,387	16,278	372,497	751,501
Mar-21	149,488	305,060	57,541	125,821	4,379	642,289	141,183	281,694	54,746	120,894	23,227	621,744	1,264,033
Apr-21	182,997	342,685	71,873	138,614	6,095	742,264	184,326	325,528	79,826	141,716	33,359	764,755	1,507,019
May-21	198,271	399,884	95,325	183,322	3,595	880,397	211,108	372,563	88,698	179,074	39,867	891,310	1,771,707
Jun-21	206,550	415,600	91,485	192,735	4,972	911,342	217,601	366,761	89,717	183,694	42,466	900,239	1,811,581
Jul-21	266,714	407,416	113,794	191,941	5,432	985,297	282,765	352,557	109,535	212,609	50,382	1,007,848	1,993,145
Aug-21	302,421	335,122	96,003	197,951	4,000	935,497	332,993	294,772	97,280	203,434	45,450	973,929	1,909,426
Sep-21	279,331	292,908	87,659	179,421	4,795	844,114	295,591	250,283	84,567	177,503	35,246	843,190	1,687,304
Oct-21	316,473	320,028	78,363	203,238	4,140	922,242	330,606	279,646	70,879	194,229	39,952	915,312	1,837,554
Nov-21	278,683	331,045	75,374	213,137	4,609	902,848	309,893	278,460	71,791	208,851	43,856	912,851	1,815,699
Dec-21	235,634	236,718	184,262	204,656	6,871	866,191	252,558	188,328	175,625	183,889	43,118	843,518	1,711,659
2021 Totals	2,595,544	3,705,576	1,052,268	1,992,414	57,334	9,403,136	2,731,663	3,294,174	1,016,431	1,964,832	438,833	9,445,933	18,849,069

Source: MDOT MAA Passenger Data: "Distribution of Enplaned and Deplaned Passengers by Concourse Calendar Year 2021"



MONTH-BY-MONTH PASSENGER PERFORMANCE 2021

CY2021								
	TOTAL	CHANGE		DOM	ESTIC	INTERNA	ATIONAL	NON-TERMINAL
	PASSENGERS	CHANGE		Enplanements	Deplanements	Enplanements	Deplanements	PASSENGERS
January	789,909			384,496	372,994	5,092	25,632	1,695
February	751,729	(38,180)	-5%	375,650	356,219	3,354	16,278	228
March	1,264,415	512,686	68%	637,910	598,517	4,379	23,227	382
April	1,508,420	244,005	19%	736,169	731,397	6,095	33,359	1,400
May	1,773,134	264,714	18%	876,915	851,556	3,595	39,867	1,201
June	1,811,982	38,848	2%	906,370	857,773	4,972	42,466	401
July	1,993,818	181,836	10%	979,865	957,466	5,432	50,382	673
August	1,910,901	(82,917)	-4%	931,497	928,479	4,000	45,450	1,475
September	1,690,891	(220,010)	-12%	839,319	807,944	4,795	35,246	3,587
October	1,842,226	151,335	9%	918,102	875,360	4,140	39,952	4,672
November	1,818,632	(23,594)	-1%	898,239	868,995	4,609	43,856	2,933
December	1,712,372	(106,973)	-6%	861,270	800,400	6,871	43,118	713
	18,868,429			9,345,802	9,007,100	57,334	438,167	19,360



ORIGINATING PASSENGER PERFORMANCE



ORIGINATING PASSENGER PERFORMANCE



	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Enplanements									:		
(including connecting passengers)	11,183,363	11,934,215	12,563,634	13,214,998	13,622,563	13,542,349	5,606,801	9,403,136	8,105,605	10,333,746	12,330,677
Originating %	58.4%	58.7%	58.5%	58.4%	58.9%	58.9%	59.5%	59.5%	59.5%	59.5%	59.5%
LOCAL O&D PAX	4,502,941	4,661,541	4,910,695	5,239,600	5,499,335	5,620,810	2,137,666	3,676,464	3,169,809	4,041,155	4,822,082





