



Supplemental Operational Performance Data

Set forth below are tables that provide supplemental information regarding the operational performance results for the three months ended December 31, 2023, as well as the prior eight quarterly reporting periods for the payment programs of Mastercard Incorporated and its consolidated subsidiaries, including our operating subsidiary, Mastercard International Incorporated (collectively, “Mastercard”).

1. Branded Volume and Transactions

The tables below set forth the gross dollar volume (“GDV”), purchase volume, cash volume and the number of purchase transactions, cash transactions, and cards on a regional basis for Mastercard™-branded cards. Growth rates over prior periods are provided for volume-based data.

GDV (\$ Billions)											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
APMEA	\$581	\$548	\$556	\$553	\$556	\$561	\$572	\$567	\$587	\$2,213	\$2,287
Canada	61	53	64	63	63	57	66	66	68	243	257
Europe	682	559	606	620	647	651	731	759	761	2,433	2,902
Latin America	139	138	153	153	169	166	180	192	208	612	746
Worldwide less United States	1,463	1,297	1,379	1,390	1,435	1,436	1,548	1,585	1,625	5,501	6,193
United States	651	619	679	683	698	672	718	720	727	2,679	2,837
Worldwide	2,115	1,916	2,058	2,073	2,133	2,108	2,266	2,304	2,352	8,180	9,030
Mastercard Credit and Charge Programs											
Worldwide less United States	659	602	641	642	650	660	706	720	733	2,535	2,818
United States	318	299	344	352	362	343	373	376	382	1,357	1,473
Worldwide	977	901	984	994	1,012	1,002	1,078	1,096	1,115	3,891	4,291
Mastercard Debit and Prepaid Programs											
Worldwide less United States	804	696	738	748	785	776	843	864	892	2,966	3,375
United States	333	320	336	331	336	330	345	344	345	1,323	1,364
Worldwide	1,138	1,016	1,074	1,079	1,121	1,106	1,188	1,208	1,237	4,289	4,739

GDV Local Growth											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
APMEA	12.2%	10.1%	12.7%	12.9%	6.5%	10.7%	9.1%	6.7%	7.7%	10.5%	8.5%
Canada	19.0%	19.5%	23.8%	17.7%	12.7%	16.3%	7.7%	7.7%	8.2%	18.3%	9.6%
Europe	32.0%	24.8%	14.0%	7.6%	5.6%	25.3%	22.7%	18.5%	15.8%	12.1%	20.3%
Latin America	33.2%	33.9%	35.4%	28.8%	20.9%	20.4%	16.4%	17.0%	17.6%	29.2%	17.8%
Worldwide less United States	23.0%	18.8%	15.9%	12.2%	7.8%	18.3%	15.9%	13.3%	12.6%	13.4%	14.9%
United States	23.3%	13.8%	9.7%	10.5%	7.1%	8.6%	5.6%	5.4%	4.2%	10.1%	5.9%
Worldwide	23.1%	17.1%	13.8%	11.6%	7.6%	15.0%	12.5%	10.7%	9.9%	12.3%	11.9%
Mastercard Credit and Charge Programs											
Worldwide less United States	20.0%	19.5%	18.9%	14.9%	9.1%	17.1%	14.4%	12.9%	13.4%	15.4%	14.4%
United States	33.6%	31.5%	24.7%	20.6%	13.9%	14.7%	8.4%	6.7%	5.5%	21.9%	8.6%
Worldwide	24.1%	23.2%	20.8%	16.9%	10.8%	16.3%	12.3%	10.7%	10.5%	17.6%	12.3%
Mastercard Debit and Prepaid Programs											
Worldwide less United States	25.5%	18.1%	13.4%	9.9%	6.8%	19.3%	17.3%	13.7%	12.0%	11.7%	15.3%
United States	14.9%	1.1%	-2.3%	1.4%	0.7%	2.9%	2.7%	3.9%	2.8%	0.2%	3.1%
Worldwide	22.2%	12.2%	8.0%	7.2%	4.9%	13.9%	12.6%	10.7%	9.2%	7.9%	11.5%

GDV Local Growth (Adjusted for Russia)											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
Europe less Russia	33.6%	38.6%	36.9%	31.5%	28.3%	31.1%	22.7%	18.5%	15.8%	33.5%	21.4%
Worldwide less United States and Russia	23.0%	23.6%	25.2%	22.6%	17.4%	20.6%	15.9%	13.3%	12.6%	22.1%	15.4%
Worldwide less Russia	23.1%	20.2%	19.6%	18.3%	13.8%	16.5%	12.5%	10.7%	9.9%	17.9%	12.2%
Mastercard Credit and Charge Programs											
Worldwide less United States and Russia	20.0%	21.5%	23.1%	19.6%	13.6%	18.5%	14.4%	12.9%	13.4%	19.3%	14.7%
Worldwide less Russia	24.2%	24.6%	23.7%	20.0%	13.7%	17.2%	12.3%	10.7%	10.5%	20.2%	12.5%
Mastercard Debit and Prepaid Programs											
Worldwide less United States and Russia	25.7%	25.6%	27.1%	25.2%	20.8%	22.4%	17.3%	13.7%	12.0%	24.6%	16.0%
Worldwide less Russia	22.1%	16.6%	16.2%	16.8%	14.0%	15.8%	12.6%	10.7%	9.2%	15.8%	12.0%

Purchase Volume (\$ Billions)										
All Mastercard Credit,										
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	
APMEA	\$416	\$392	\$399	\$402	\$405	\$413	\$420	\$420	\$436	
Canada	59	51	63	62	62	55	64	64	66	
Europe	497	420	464	478	502	509	573	602	602	
Latin America	96	97	109	108	119	117	128	136	148	
Worldwide less United States	1,068	959	1,035	1,050	1,087	1,095	1,184	1,222	1,253	
United States	592	561	619	622	638	612	655	657	667	
Worldwide	1,660	1,520	1,654	1,672	1,726	1,707	1,839	1,879	1,920	
										FY 2022
										FY 2023
Mastercard Credit and Charge Programs										
Worldwide less United States	620	569	608	609	615	623	667	683	693	
United States	310	291	335	342	353	333	362	365	372	
Worldwide	930	860	943	951	968	956	1,030	1,048	1,065	
Mastercard Debit and Prepaid Programs										
Worldwide less United States	448	390	426	441	472	472	516	540	560	
United States	282	270	284	279	286	279	293	292	295	
Worldwide	730	661	711	721	758	751	810	831	855	

Purchase Volume Local Growth										
All Mastercard Credit,										
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	
APMEA	15.8%	13.5%	15.3%	16.1%	8.7%	13.8%	11.6%	8.9%	9.9%	
Canada	20.1%	20.7%	24.2%	17.7%	12.4%	15.8%	7.5%	7.3%	7.6%	
Europe	39.0%	33.2%	23.8%	16.0%	12.8%	30.6%	25.3%	21.6%	17.7%	
Latin America	39.0%	39.9%	40.3%	31.8%	23.3%	21.8%	17.1%	18.1%	20.2%	
Worldwide less United States	27.9%	24.3%	21.9%	17.6%	12.2%	22.1%	18.2%	15.7%	14.6%	
United States	25.5%	17.3%	12.4%	12.1%	7.9%	9.0%	5.9%	5.6%	4.5%	
Worldwide	27.0%	21.6%	18.1%	15.5%	10.6%	17.0%	13.5%	12.0%	10.9%	
										FY 2022
										FY 2023
Mastercard Credit and Charge Programs										
Worldwide less United States	20.4%	20.4%	20.2%	16.2%	10.0%	17.1%	14.1%	12.9%	13.3%	
United States	33.2%	31.5%	24.7%	20.6%	13.7%	14.3%	8.2%	6.6%	5.5%	
Worldwide	24.4%	23.9%	21.7%	17.7%	11.3%	16.1%	11.9%	10.6%	10.4%	
Mastercard Debit and Prepaid Programs										
Worldwide less United States	39.9%	30.5%	24.3%	19.6%	15.3%	29.3%	24.0%	19.5%	16.2%	
United States	18.0%	5.1%	0.7%	3.1%	1.5%	3.3%	3.2%	4.4%	3.3%	
Worldwide	30.6%	18.8%	13.6%	12.6%	9.7%	18.2%	15.6%	13.7%	11.4%	

Purchase Volume Local Growth (Adjusted for Russia)										
All Mastercard Credit,										
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	
Europe less Russia	39.7%	44.8%	44.2%	37.6%	33.2%	36.5%	25.3%	21.6%	17.7%	
Worldwide less United States and Russia	27.6%	28.3%	30.0%	26.8%	20.8%	24.4%	18.2%	15.7%	14.6%	
Worldwide less Russia	26.8%	24.0%	22.8%	20.9%	15.6%	18.4%	13.5%	12.0%	10.9%	
										FY 2022
										FY 2023
Mastercard Credit and Charge Programs										
Worldwide less United States and Russia	20.3%	21.8%	23.4%	19.7%	13.4%	18.2%	14.1%	12.9%	13.3%	
Worldwide less Russia	24.3%	24.9%	23.8%	20.0%	13.5%	16.8%	11.9%	10.6%	10.4%	
Mastercard Debit and Prepaid Programs										
Worldwide less United States and Russia	40.3%	39.4%	40.7%	38.1%	32.0%	33.6%	24.0%	19.5%	16.2%	
Worldwide less Russia	30.2%	22.8%	21.4%	22.1%	18.5%	20.5%	15.6%	13.7%	11.4%	

Purchase Transactions (Millions)											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
APMEA	8,633	8,197	8,911	9,389	9,679	9,405	10,052	10,410	10,772	36,175	40,639
Canada	855	748	896	939	949	879	1,001	1,043	1,062	3,531	3,984
Europe	15,804	12,054	12,958	14,240	14,744	14,250	15,995	17,036	17,195	53,997	64,477
Latin America	4,343	4,330	4,660	4,890	5,176	5,074	5,352	5,659	6,060	19,057	22,144
Worldwide less United States	29,634	25,329	27,425	29,459	30,548	29,608	32,399	34,148	35,089	112,761	131,244
United States	9,338	8,658	9,384	9,541	9,695	9,241	9,992	10,131	10,217	37,277	39,582
Worldwide	38,973	33,987	36,809	39,000	40,243	38,849	42,391	44,279	45,307	150,038	170,826
Mastercard Credit and Charge Programs											
Worldwide less United States	12,975	11,761	12,699	13,343	13,601	13,108	14,188	14,968	15,341	51,404	57,604
United States	3,375	3,072	3,506	3,672	3,775	3,501	3,877	3,966	4,022	14,024	15,367
Worldwide	16,350	14,833	16,205	17,015	17,376	16,609	18,065	18,934	19,363	65,428	72,972
Mastercard Debit and Prepaid Programs											
Worldwide less United States	16,659	13,568	14,726	16,116	16,947	16,500	18,212	19,180	19,748	61,357	73,640
United States	5,963	5,586	5,878	5,869	5,920	5,740	6,114	6,165	6,195	23,253	24,214
Worldwide	22,623	19,154	20,604	21,985	22,867	22,240	24,326	25,345	25,944	84,610	97,854

Purchase Transactions Growth											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
APMEA	17.5%	15.6%	16.1%	19.0%	12.1%	14.7%	12.8%	10.9%	11.3%	15.6%	12.3%
Canada	17.3%	15.3%	19.3%	13.6%	10.9%	17.5%	11.7%	11.1%	11.9%	14.6%	12.8%
Europe	34.7%	6.3%	-4.4%	-6.5%	-6.7%	18.2%	23.4%	19.6%	16.6%	-3.5%	19.4%
Latin America	36.7%	37.2%	35.8%	26.9%	19.2%	17.2%	14.9%	15.7%	17.1%	28.9%	16.2%
Worldwide less United States	28.9%	13.9%	7.9%	6.0%	3.1%	16.9%	18.1%	15.9%	14.9%	7.3%	16.4%
United States	16.9%	10.0%	6.4%	5.6%	3.8%	6.7%	6.5%	6.2%	5.4%	6.3%	6.2%
Worldwide	25.8%	12.9%	7.5%	5.9%	3.3%	14.3%	15.2%	13.5%	12.6%	7.1%	13.9%
Mastercard Credit and Charge Programs											
Worldwide less United States	22.5%	16.4%	12.8%	9.5%	4.8%	11.5%	11.7%	12.2%	12.8%	10.5%	12.1%
United States	28.0%	26.5%	20.6%	17.1%	11.8%	14.0%	10.6%	8.0%	6.6%	18.4%	9.6%
Worldwide	23.6%	18.3%	14.4%	11.1%	6.3%	12.0%	11.5%	11.3%	11.4%	12.1%	11.5%
Mastercard Debit and Prepaid Programs											
Worldwide less United States	34.4%	11.8%	4.0%	3.2%	1.7%	21.6%	23.7%	19.0%	16.5%	4.8%	20.0%
United States	11.4%	2.6%	-0.6%	-0.5%	-0.7%	2.8%	4.0%	5.0%	4.6%	0.1%	4.1%
Worldwide	27.5%	9.0%	2.6%	2.2%	1.1%	16.1%	18.1%	15.3%	13.5%	3.5%	15.7%

Purchase Transactions Growth (Adjusted for Russia)											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
Europe less Russia	36.4%	34.9%	32.6%	27.5%	25.7%	28.8%	23.4%	19.6%	16.6%	29.7%	21.6%
Worldwide less United States and Russia	28.7%	27.4%	26.8%	24.1%	19.5%	21.6%	18.1%	15.9%	14.9%	24.1%	17.4%
Worldwide less Russia	25.3%	22.3%	20.9%	19.0%	15.3%	17.7%	15.2%	13.5%	12.6%	19.1%	14.6%
Mastercard Credit and Charge Programs											
Worldwide less United States and Russia	22.7%	21.6%	20.8%	16.9%	11.4%	13.8%	11.7%	12.2%	12.8%	17.3%	12.6%
Worldwide less Russia	23.8%	22.6%	20.8%	16.9%	11.5%	13.8%	11.5%	11.3%	11.4%	17.6%	11.9%
Mastercard Debit and Prepaid Programs											
Worldwide less United States and Russia	34.8%	33.2%	32.4%	30.7%	26.9%	28.7%	23.7%	19.0%	16.5%	30.5%	21.5%
Worldwide less Russia	26.6%	22.2%	20.9%	20.6%	18.4%	20.8%	18.1%	15.3%	13.5%	20.4%	16.7%

Cash Volume (\$ Billions)										
All Mastercard Credit,										
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	
APMEA	\$165	\$156	\$157	\$151	\$151	\$148	\$152	\$147	\$151	
Canada	2	1	2	2	2	2	2	2	2	
Europe	185	140	141	142	145	142	159	157	159	
Latin America	44	41	44	45	50	49	52	56	60	
Worldwide less United States	395	338	344	340	348	341	365	362	372	
United States	60	58	60	61	60	60	62	63	60	
Worldwide	455	396	404	401	407	401	427	425	432	
										FY 2022
										FY 2023
Mastercard Credit and Charge Programs										
Worldwide less United States	39	33	33	33	35	37	38	38	39	134
United States	8	8	9	10	10	10	10	11	10	36
Worldwide	47	41	42	43	44	47	49	49	49	170
Mastercard Debit and Prepaid Programs										
Worldwide less United States	356	305	311	306	313	304	326	324	333	1,236
United States	52	50	52	52	50	50	52	52	50	203
Worldwide	408	355	363	358	363	354	378	377	383	1,439

Cash Volume Local Growth										
All Mastercard Credit,										
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	
APMEA	4.1%	2.4%	6.4%	5.2%	0.8%	2.8%	2.5%	0.8%	1.7%	
Canada	-14.0%	-9.4%	11.3%	17.6%	23.0%	34.3%	15.0%	20.2%	29.0%	
Europe	16.3%	5.0%	-9.4%	-13.5%	-13.5%	9.5%	14.3%	8.1%	9.1%	
Latin America	22.2%	21.6%	24.5%	22.2%	15.7%	17.1%	14.6%	14.5%	11.6%	
Worldwide less United States	11.3%	5.5%	1.0%	-1.8%	-4.0%	7.6%	9.1%	6.0%	6.5%	
United States	5.2%	-12.2%	-11.8%	-3.5%	0.0%	4.5%	2.8%	2.7%	0.4%	
Worldwide	10.4%	2.5%	-1.1%	-2.1%	-3.4%	7.1%	8.1%	5.5%	5.6%	
										FY 2022
										FY 2023
Mastercard Credit and Charge Programs										
Worldwide less United States	13.3%	6.1%	-1.5%	-3.9%	-4.2%	17.1%	20.1%	13.1%	15.6%	-1.1%
United States	52.8%	29.7%	25.4%	21.5%	25.4%	27.3%	18.0%	11.9%	2.9%	25.2%
Worldwide	18.3%	10.0%	3.2%	0.9%	0.9%	19.2%	19.7%	12.8%	12.8%	3.5%
Mastercard Debit and Prepaid Programs										
Worldwide less United States	11.1%	5.4%	1.3%	-1.6%	-4.0%	6.5%	7.9%	5.2%	5.5%	0.1%
United States	0.6%	-16.4%	-16.0%	-7.1%	-3.7%	0.9%	0.2%	1.0%	-0.1%	-11.2%
Worldwide	9.6%	1.7%	-1.6%	-2.4%	-3.9%	5.7%	6.8%	4.6%	4.7%	-1.6%

Cash Volume Local Growth (Adjusted for Russia)										
All Mastercard Credit,										
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	
Europe less Russia	18.7%	22.6%	17.4%	14.5%	13.8%	15.0%	14.3%	8.1%	9.1%	
Worldwide less United States and Russia	11.7%	12.0%	12.8%	11.0%	8.1%	9.7%	9.1%	6.0%	6.5%	
Worldwide less Russia	10.8%	7.6%	8.3%	8.5%	6.8%	8.9%	8.1%	5.5%	5.6%	
										FY 2022
										FY 2023
Mastercard Credit and Charge Programs										
Worldwide less United States and Russia	15.3%	15.7%	18.1%	17.7%	16.9%	23.5%	20.1%	13.1%	15.6%	17.1%
Worldwide less Russia	20.8%	18.2%	19.6%	18.6%	18.6%	24.3%	19.7%	12.8%	12.8%	18.7%
Mastercard Debit and Prepaid Programs										
Worldwide less United States and Russia	11.4%	11.6%	12.3%	10.4%	7.2%	8.3%	7.9%	5.2%	5.5%	10.3%
Worldwide less Russia	9.8%	6.6%	7.2%	7.4%	5.5%	7.1%	6.8%	4.6%	4.7%	6.7%

Cash Transactions (Millions)

All Mastercard Credit,											
Charge, Debit and Prepaid Programs										FY 2022	FY 2023
	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23		
APMEA	1,613	1,502	1,534	1,557	1,575	1,484	1,521	1,507	1,510	6,168	6,021
Canada	5	5	6	6	6	6	6	7	8	22	28
Europe	1,104	899	985	1,005	993	917	1,000	992	988	3,881	3,897
Latin America	363	349	379	399	421	406	419	436	460	1,547	1,722
Worldwide less United States	3,085	2,755	2,903	2,966	2,995	2,814	2,947	2,942	2,965	11,619	11,668
United States	299	280	296	299	285	278	289	296	279	1,160	1,142
Worldwide	3,384	3,035	3,199	3,265	3,280	3,092	3,236	3,238	3,245	12,779	12,810
Mastercard Credit and Charge Programs											
Worldwide less United States	166	144	160	162	166	164	167	168	174	632	673
United States	8	8	8	9	9	9	9	10	9	34	36
Worldwide	174	152	168	171	175	173	176	177	184	666	709
Mastercard Debit and Prepaid Programs											
Worldwide less United States	2,920	2,611	2,743	2,804	2,829	2,650	2,780	2,775	2,791	10,987	10,995
United States	291	272	288	290	276	269	280	287	270	1,126	1,106
Worldwide	3,210	2,883	3,031	3,094	3,105	2,919	3,060	3,061	3,061	12,113	12,101

Cash Transactions Growth

All Mastercard Credit,											
Charge, Debit and Prepaid Programs										FY 2022	FY 2023
	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23		
APMEA	-1.0%	-3.4%	1.6%	2.0%	-2.4%	-1.2%	-0.8%	-3.3%	-4.1%	-0.6%	-2.4%
Canada	29.9%	29.5%	31.6%	11.7%	14.8%	27.2%	12.9%	25.1%	31.6%	21.0%	24.2%
Europe	10.4%	-1.1%	-6.0%	-10.5%	-10.0%	2.0%	1.6%	-1.2%	-0.5%	-7.2%	0.4%
Latin America	27.8%	26.4%	30.1%	24.5%	15.9%	16.5%	10.7%	9.5%	9.2%	23.7%	11.3%
Worldwide less United States	5.8%	0.4%	1.8%	-0.3%	-2.9%	2.1%	1.5%	-0.8%	-1.0%	-0.3%	0.4%
United States	1.2%	-10.8%	-10.8%	-6.1%	-4.7%	-0.8%	-2.4%	-1.0%	-2.0%	-8.2%	-1.5%
Worldwide	5.4%	-0.8%	0.5%	-0.8%	-3.1%	1.9%	1.1%	-0.8%	-1.1%	-1.1%	0.2%
Mastercard Credit and Charge Programs											
Worldwide less United States	7.3%	0.8%	3.3%	-0.1%	0.2%	13.9%	4.2%	3.5%	5.0%	1.0%	6.4%
United States	31.3%	28.1%	15.0%	15.9%	11.7%	12.8%	12.9%	4.1%	1.4%	17.0%	7.4%
Worldwide	8.3%	1.9%	3.8%	0.6%	0.7%	13.9%	4.6%	3.5%	4.8%	1.7%	6.5%
Mastercard Debit and Prepaid Programs											
Worldwide less United States	5.7%	0.4%	1.7%	-0.3%	-3.1%	1.5%	1.3%	-1.1%	-1.3%	-0.4%	0.1%
United States	0.6%	-11.5%	-11.4%	-6.7%	-5.2%	-1.1%	-2.8%	-1.2%	-2.1%	-8.8%	-1.8%
Worldwide	5.2%	-0.9%	0.3%	-0.9%	-3.3%	1.2%	1.0%	-1.1%	-1.4%	-1.2%	-0.1%

Cash Transactions Growth (Adjusted for Russia)

All Mastercard Credit,											
Charge, Debit and Prepaid Programs										FY 2022	FY 2023
	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23		
Europe less Russia	13.8%	13.4%	9.3%	2.6%	2.4%	4.0%	1.6%	-1.2%	-0.5%	6.5%	0.9%
Worldwide less United States and Russia	6.6%	4.8%	7.3%	4.8%	1.5%	2.8%	1.5%	-0.8%	-1.0%	4.5%	0.6%
Worldwide less Russia	6.0%	3.1%	5.3%	3.7%	0.9%	2.5%	1.1%	-0.8%	-1.1%	3.2%	0.4%
Mastercard Credit and Charge Programs											
Worldwide less United States and Russia	9.8%	9.8%	16.0%	11.2%	10.7%	17.3%	4.2%	3.5%	5.0%	11.9%	7.1%
Worldwide less Russia	10.7%	10.6%	16.0%	11.4%	10.8%	17.0%	4.6%	3.5%	4.8%	12.2%	7.2%
Mastercard Debit and Prepaid Programs											
Worldwide less United States and Russia	6.4%	4.5%	6.8%	4.4%	1.0%	2.0%	1.3%	-1.1%	-1.3%	4.1%	0.2%
Worldwide less Russia	5.8%	2.7%	4.8%	3.3%	0.4%	1.7%	1.0%	-1.1%	-1.4%	2.8%	0.0%

Cards (Millions)											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
APMEA	890	895	899	896	900	909	922	933	940	900	940
Canada	66	67	68	70	72	74	76	78	80	72	80
Europe	738	640	667	702	722	738	757	789	815	722	815
Latin America	320	337	350	365	378	384	401	419	445	378	445
Worldwide less United States	2,013	1,938	1,985	2,033	2,073	2,105	2,155	2,218	2,280	2,073	2,280
United States	569	578	593	599	623	639	649	653	664	623	664
Worldwide	2,583	2,517	2,578	2,632	2,696	2,745	2,804	2,871	2,944	2,696	2,944
Mastercard Credit and Charge Programs											
Worldwide less United States	762	737	743	749	756	757	771	781	792	756	792
United States	273	277	293	293	306	318	319	321	325	306	325
Worldwide	1,035	1,014	1,036	1,042	1,062	1,075	1,090	1,102	1,117	1,062	1,117
Mastercard Debit and Prepaid Programs											
Worldwide less United States	1,251	1,202	1,241	1,284	1,316	1,349	1,384	1,438	1,489	1,316	1,489
United States	296	301	300	306	317	321	330	332	338	317	338
Worldwide	1,548	1,503	1,541	1,590	1,634	1,670	1,714	1,769	1,827	1,634	1,827

Cards Growth											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
APMEA	1.8%	1.3%	1.7%	0.8%	1.0%	1.6%	2.5%	4.2%	4.5%	1.0%	4.5%
Canada	5.5%	6.8%	7.8%	10.0%	10.1%	10.7%	11.3%	11.4%	10.4%	10.1%	10.4%
Europe	13.2%	-4.8%	-3.2%	-1.3%	-2.1%	15.4%	13.4%	12.4%	12.9%	-2.1%	12.9%
Latin America	37.8%	38.1%	33.6%	26.4%	18.4%	13.8%	14.5%	14.6%	17.7%	18.4%	17.7%
Worldwide less United States	10.6%	4.1%	4.5%	4.1%	2.9%	8.6%	8.6%	9.1%	10.0%	2.9%	10.0%
United States	13.2%	12.2%	10.5%	9.1%	9.4%	10.6%	9.4%	9.0%	6.6%	9.4%	6.6%
Worldwide	11.2%	5.9%	5.8%	5.2%	4.4%	9.1%	8.8%	9.1%	9.2%	4.4%	9.2%
Mastercard Credit and Charge Programs											
Worldwide less United States	7.0%	2.8%	2.3%	0.7%	-0.8%	2.7%	3.8%	4.2%	4.7%	-0.8%	4.7%
United States	11.2%	11.3%	13.8%	11.2%	11.9%	14.9%	8.7%	9.6%	6.5%	11.9%	6.5%
Worldwide	8.0%	5.0%	5.3%	3.5%	2.6%	6.1%	5.2%	5.8%	5.2%	2.6%	5.2%
Mastercard Debit and Prepaid Programs											
Worldwide less United States	12.9%	4.9%	5.9%	6.2%	5.2%	12.2%	11.5%	12.0%	13.1%	5.2%	13.1%
United States	15.2%	13.1%	7.5%	7.1%	7.1%	6.6%	10.0%	8.4%	6.6%	7.1%	6.6%
Worldwide	13.4%	6.5%	6.2%	6.4%	5.6%	11.1%	11.2%	11.3%	11.8%	5.6%	11.8%

Cards Growth (Adjusted for Russia)											
All Mastercard Credit,											
Charge, Debit and Prepaid Programs	Q4'21	Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23	FY 2022	FY 2023
Europe less Russia	13.3%	12.4%	14.3%	16.9%	15.8%	15.4%	13.4%	12.4%	12.9%	15.8%	12.9%
Worldwide less United States and Russia	10.5%	10.2%	10.7%	10.4%	9.1%	8.6%	8.6%	9.1%	10.0%	9.1%	10.0%
Worldwide less Russia	11.1%	10.7%	10.6%	10.1%	9.2%	9.1%	8.8%	9.1%	9.2%	9.2%	9.2%
Mastercard Credit and Charge Programs											
Worldwide less United States and Russia	7.0%	8.2%	7.6%	5.9%	4.4%	2.7%	3.8%	4.2%	4.7%	4.4%	4.7%
Worldwide less Russia	8.1%	9.0%	9.3%	7.3%	6.4%	6.1%	5.2%	5.8%	5.2%	6.4%	5.2%
Mastercard Debit and Prepaid Programs											
Worldwide less United States and Russia	12.7%	11.5%	12.6%	13.2%	12.1%	12.2%	11.5%	12.0%	13.1%	12.1%	13.1%
Worldwide less Russia	13.2%	11.8%	11.5%	11.9%	11.1%	11.1%	11.2%	11.3%	11.8%	11.1%	11.8%

Note that the figures in the preceding tables may not sum due to rounding; growth represents change from the comparable year-ago period.

Footnote

The tables set forth the gross dollar volume (“GDV”), purchase volume, cash volume and the number of purchase transactions, cash transactions, and cards on a regional and global basis for Mastercard™-branded cards. Growth rates over prior periods are provided for volume-based data.

Debit transactions on Maestro® and Cirrus®-branded cards and transactions involving brands other than Mastercard are not included in the preceding tables.

For purposes of the table: GDV represents purchase volume plus cash volume and includes the impact of balance transfers and convenience checks; “purchase volume” means the aggregate dollar amount of purchases made with Mastercard-branded cards for the relevant period; and “cash volume” means the aggregate dollar amount of cash disbursements and includes the impact of balance transfers and convenience checks obtained with Mastercard-branded cards for the relevant period. The number of cards includes virtual cards, which are Mastercard-branded payment accounts that do not generally have physical cards associated with them.

The Mastercard payment product is comprised of credit, charge, debit and prepaid programs, and data relating to each type of program is included in the tables. The tables include information with respect to transactions involving Mastercard-branded cards that are not switched by Mastercard and transactions for which Mastercard does not earn significant revenues.

Information denominated in U.S. dollars is calculated by applying an established U.S. dollar/local currency exchange rate for each local currency in which Mastercard volumes are reported. These exchange rates are calculated on a quarterly basis using the average exchange rate for each quarter. Mastercard reports period-over-period rates of change in purchase volume and cash volume on the basis of local currency information, in order to eliminate the impact of changes in the value of foreign currencies against the U.S. dollar in calculating such rates of change.

The data set forth in the GDV, purchase volume, purchase transactions, cash volume and cash transactions columns is provided by Mastercard customers and is subject to verification by Mastercard and partial cross-checking against information provided by Mastercard’s transaction switching systems. The data set forth in the cards columns is provided by Mastercard customers and is subject to certain limited verification by Mastercard. A portion of the data set forth in the cards columns reflects the impact of routine portfolio changes among customers and other practices that may lead to over counting of the underlying data in certain circumstances. All data is subject to revision and amendment by Mastercard or Mastercard’s customers. **Starting in the first quarter of 2022, data related to sanctioned Russian banks was not reported to us and hence such amounts are not included. Subsequent to the suspension of our business operations in Russia in March 2022, there is no Russian data to be reported.**

To aid in understanding the underlying trends in the business due to imposed sanctions and the suspension of our business operations in Russia in the first quarter of 2022, we are providing supplementary information in each table to reflect adjusted growth rates for key operational metrics excluding activity related from Russian issued cards from current and prior periods. Additionally, as a result of the suspension of our business operations during the first quarter of 2022, cards issued by Russian banks are no longer active on our network and are therefore excluded from our card counts.

2. Switched Transactions

The table below sets forth the total number of transactions switched by Mastercard and growth from the comparable year-ago period.

Period	Switched Trans. (Mil.)	Growth ⁽¹⁾	Growth Adj for Russia ⁽¹⁾
2023Q4	38,058	12%	12%
2023Q3	37,155	15%	15%
2023Q2	35,519	17%	17%
2023Q1	32,464	12%	20%
2022Q4	33,959	8%	18%
2022Q3	32,352	9%	19%
2022Q2	30,411	12%	22%
2022Q1	28,958	22%	24%
2021Q4	31,371	27%	26%
FY 2023	143,196	14%	16%
FY 2022	125,680	12%	21%

3. Cross Border Volume

The table below sets forth the Cross Border Volume Growth from the comparable year-ago period, on a local currency basis and U.S. dollar-converted basis, for all Mastercard-branded programs.

Period	Growth (Local) ⁽¹⁾	Growth (USD) ⁽¹⁾	Growth Adj for Russia (Local) ⁽¹⁾	Growth Adj for Russia (USD) ⁽¹⁾
2023Q4	18%	21%	18%	21%
2023Q3	21%	26%	21%	26%
2023Q2	24%	23%	24%	23%
2023Q1	35%	29%	40%	33%
2022Q4	31%	20%	37%	24%
2022Q3	44%	29%	50%	33%
2022Q2	58%	46%	64%	50%
2022Q1	53%	45%	52%	45%
2021Q4	53%	50%	52%	49%
FY 2023	24%	25%	25%	25%
FY 2022	45%	33%	50%	37%

Note:

- (1) The cross-border volume and switched transactions growth rates have been normalized to eliminate the effects of differing switching and carryover days between periods, as needed. Carryover days are those where transactions and volumes from days where the company does not clear and settle are processed.

4. Cards

The tables below set forth the number of Mastercard, Maestro and Total Cards with growth rates from the comparable year-ago period.

Mastercard Cards				Maestro Cards				Total WW Mastercard & Maestro Cards			
Period	Cards (Mil.)	Actual Growth	Growth Adj for Russia	Period	Cards (Mil.)	Actual Growth	Growth Adj for Russia	Period	Cards (Mil.)	Actual Growth	Growth Adj for Russia
2023Q4	2,944	9.2%	9.2%	2023Q4	377	-2.8%	-2.8%	2023Q4	3,322	7.7%	7.7%
2023Q3	2,871	9.1%	9.1%	2023Q3	381	-2.0%	-2.0%	2023Q3	3,252	7.7%	7.7%
2023Q2	2,804	8.8%	8.8%	2023Q2	389	0.8%	0.8%	2023Q2	3,193	7.8%	7.8%
2023Q1	2,745	9.1%	9.1%	2023Q1	387	1.4%	1.4%	2023Q1	3,131	8.0%	8.0%
2022Q4	2,696	4.4%	9.2%	2022Q4	388	-0.8%	0.9%	2022Q4	3,084	3.7%	8.1%
2022Q3	2,632	5.2%	10.1%	2022Q3	388	-1.8%	0.1%	2022Q3	3,020	4.3%	8.7%
2022Q2	2,578	5.8%	10.6%	2022Q2	386	-2.8%	-0.8%	2022Q2	2,963	4.6%	9.0%
2022Q1	2,517	5.9%	10.7%	2022Q1	381	-5.2%	-3.3%	2022Q1	2,898	4.3%	8.6%
2021Q4	2,583	11.2%	11.1%	2021Q4	391	-3.1%	-2.9%	2021Q4	2,974	9.1%	9.0%