

Data Collected from State Agencies

Appendix B

Agency	Age group	Total
DPH Early Intervention FY16	ASD Birth to Three years old	2,052
DESE SY 2016	ASD 3-21 years old	19,942
MassHealth	3-21 year olds	16,255
DDS	ADS newly eligible 18+ years old	1,304
DDS	ASD + ID	402
MassHealth	ASD adults Age 22+	6,004
MRC FY 2015	14-22	1,704

MassHealth Autism Data

Data was pulled for SFY 2016. Continuous enrollment requirement was applied and this is an unduplicated count of members. The numbers below represent all MassHealth members (all enrollment types, FFS, Managed Care, Dual, etc.) who had any diagnostic codes for ASD (primary or secondary codes). The total was 22,977, an increase of 55.7% from the 14,775 members identified in SFY 2012.

This population had the following age distribution

(age calculated as of June 30, 2016):

Age Group	# Members	Percent
0-2	718	3.1%
3-8	6,396	27.8%
9-13	4,739	20.6%
14-21	5,120	22.3%
22+	6,004	26.1%
Total	22,977	100%

(calculated as of 2012)

Age Group	Claim Generated
0-2	533
3-8	4,057
9-13	3,117
14-21	3,140
22+	3,908
Total	14,755

Autism Grade by Year - October 2003										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	7	1.0	36	5.0	122	16.8	560	77.2	725	100.0
K	9	2.1	26	5.9	126	28.8	277	63.2	438	100.0
1	10	2.4	20	4.8	110	26.6	273	66.1	413	100.0
2	10	2.4	26	6.2	133	31.8	249	59.6	418	100.0
3	11	2.8	32	8.1	133	33.7	219	55.4	395	100.0
4	18	4.4	32	7.8	143	34.8	218	53.0	411	100.0
5	14	3.6	21	5.5	126	32.8	223	58.1	384	100.0
6	8	2.1	35	9.0	128	32.9	218	56.0	389	100.0
7	8	2.7	27	9.3	93	32.0	163	56.0	291	100.0
8	4	1.8	10	4.5	77	34.8	130	58.8	221	100.0
9	7	3.1	17	7.4	60	26.2	145	63.3	229	100.0
10	2	1.2	14	8.6	46	28.2	101	62.0	163	100.0
11	3	2.1	9	6.3	31	21.7	100	69.9	143	100.0
12	1	0.6	5	2.8	35	19.6	138	77.1	179	100.0
+	0	0.0	0	0.0	4	5.2	73	94.8	77	100.0
Total	112	2.3	310	6.4	1,367	28.0	3,087	63.3	4,876	100.0

Autism Grade by Year - October 2004										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	12	1.6	29	3.8	140	18.3	585	76.4	766	100.0
K	13	2.9	20	4.4	108	24.0	309	68.7	450	100.0
1	19	3.7	29	5.6	162	31.2	310	59.6	520	100.0
2	21	4.9	23	5.4	126	29.6	255	60.0	425	100.0
3	16	3.7	38	8.9	132	30.9	241	56.4	427	100.0
4	24	5.8	27	6.6	128	31.1	233	56.6	412	100.0
5	18	4.0	30	6.7	132	29.5	268	59.8	448	100.0
6	13	3.3	26	6.6	119	30.2	236	59.9	394	100.0
7	9	2.4	34	9.0	105	27.9	228	60.6	376	100.0
8	9	3.2	16	5.7	89	31.6	168	59.6	282	100.0
9	8	3.1	9	3.5	83	32.0	159	61.4	259	100.0
10	5	2.0	16	6.5	74	30.1	151	61.4	246	100.0
11	3	2.0	12	7.8	42	27.5	96	62.7	153	100.0
12	1	0.5	17	8.1	41	19.6	150	71.8	209	100.0
+	0	0.0	0	0.0	3	3.0	97	97.0	100	100.0
Total	171	3.1	326	6.0	1,484	27.1	3,486	63.8	5,467	100.0

Autism Grade by Year - October 2005										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	19	2.0	31	3.3	217	22.8	683	71.9	950	100.0
K	10	1.8	27	4.8	155	27.8	366	65.6	558	100.0
1	21	4.0	33	6.4	144	27.7	321	61.8	519	100.0
2	32	5.7	25	4.4	195	34.6	312	55.3	564	100.0
3	17	3.5	22	4.5	168	34.2	284	57.8	491	100.0
4	18	3.7	36	7.5	151	31.3	278	57.6	483	100.0
5	24	5.1	27	5.7	143	30.3	278	58.9	472	100.0
6	18	4.0	30	6.7	143	32.0	256	57.3	447	100.0
7	13	3.1	27	6.4	122	29.1	257	61.3	419	100.0
8	16	4.1	31	7.9	104	26.5	242	61.6	393	100.0
9	8	2.5	29	9.1	96	30.2	185	58.2	318	100.0
10	6	2.3	9	3.5	91	35.1	153	59.1	259	100.0
11	2	0.8	16	6.3	68	27.0	166	65.9	252	100.0
12	4	1.9	17	7.9	39	18.1	156	72.2	216	100.0
+	0	0.0	1	0.7	2	1.5	133	97.8	136	100.0
Total	208	3.2	361	5.6	1,838	28.4	4,070	62.8	6,477	100.0

Autism Grade by Year - October 2006										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	16	1.5	43	3.9	312	28.5	725	66.1	1,096	100.0
K	22	3.5	24	3.8	191	30.4	391	62.3	628	100.0
1	22	3.5	39	6.3	197	31.7	364	58.5	622	100.0
2	19	3.2	40	6.7	190	31.7	350	58.4	599	100.0
3	28	4.6	41	6.7	221	36.1	323	52.7	613	100.0
4	19	3.6	34	6.4	187	35.0	294	55.1	534	100.0
5	29	5.2	27	4.9	186	33.6	312	56.3	554	100.0
6	21	4.5	22	4.7	146	31.3	277	59.4	466	100.0
7	19	3.7	38	7.5	159	31.2	294	57.6	510	100.0
8	15	3.6	19	4.6	118	28.6	260	63.1	412	100.0
9	16	3.9	29	7.1	109	26.8	253	62.2	407	100.0
10	10	2.9	27	7.7	98	28.1	214	61.3	349	100.0
11	11	4.2	18	6.9	78	29.9	154	59.0	261	100.0
12	6	1.8	19	5.8	72	22.0	230	70.3	327	100.0
+	0	0.0	0	0.0	4	2.8	139	97.2	143	100.0
Total	253	3.4	420	5.6	2,268	30.2	4,580	60.9	7,521	100.0

Autism Grade by Year - October 2007										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	17	1.4	42	3.5	352	29.0	801	66.1	1,212	100.0
K	19	2.5	46	6.0	240	31.3	463	60.3	768	100.0
1	28	4.0	36	5.2	237	34.1	395	56.8	696	100.0
2	30	4.3	50	7.2	237	33.9	382	54.6	699	100.0
3	28	4.3	45	7.0	224	34.7	349	54.0	646	100.0
4	36	5.3	53	7.8	236	34.6	357	52.3	682	100.0
5	27	4.5	37	6.1	213	35.4	325	54.0	602	100.0
6	36	6.3	33	5.8	182	31.8	321	56.1	572	100.0
7	23	4.5	20	3.9	169	33.0	300	58.6	512	100.0
8	25	4.8	36	7.0	157	30.4	299	57.8	517	100.0
9	16	3.5	23	5.0	141	30.7	280	60.9	460	100.0
10	14	3.5	23	5.7	116	28.9	249	61.9	402	100.0
11	9	2.5	29	8.2	101	28.5	215	60.7	354	100.0
12	11	3.4	24	7.4	78	23.9	213	65.3	326	100.0
+	0	0.0	1	0.5	7	3.2	212	96.4	220	100.0
Total	319	3.7	498	5.7	2,690	31.0	5,161	59.5	8,668	100.0

Autism Grade by Year - October 2008										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	27	2.1	46	3.5	325	25.1	899	69.3	1,297	100.0
K	17	2.1	57	7.1	204	25.3	527	65.5	805	100.0
1	46	5.6	62	7.6	253	30.9	459	56.0	820	100.0
2	51	6.4	47	5.9	268	33.5	433	54.2	799	100.0
3	43	5.7	54	7.2	271	35.9	386	51.2	754	100.0
4	38	5.5	57	8.2	243	35.0	356	51.3	694	100.0
5	49	6.8	60	8.4	252	35.1	356	49.7	717	100.0
6	42	6.7	47	7.5	201	31.9	340	54.0	630	100.0
7	43	7.1	44	7.3	186	30.8	330	54.7	603	100.0
8	22	4.0	31	5.7	171	31.3	322	59.0	546	100.0
9	23	4.2	44	8.0	163	29.8	317	58.0	547	100.0
10	20	4.0	30	6.1	143	28.9	301	60.9	494	100.0
11	19	4.5	25	6.0	120	28.7	254	60.8	418	100.0
12	13	3.1	27	6.4	106	24.9	279	65.6	425	100.0
+	0	0.0	0	0.0	8	3.3	236	96.7	244	100.0
Total	453	4.6	631	6.4	2,914	29.8	5,795	59.2	9,793	100.0

Autism Grade by Year - October 2009										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	23	1.7	53	3.9	350	25.4	950	69.0	1,376	100.0
K	22	2.6	49	5.7	213	24.8	576	67.0	860	100.0
1	24	2.8	65	7.5	248	28.5	532	61.2	869	100.0
2	46	5.2	67	7.6	276	31.5	488	55.6	877	100.0
3	54	6.6	51	6.2	289	35.1	430	52.2	824	100.0
4	38	4.7	55	6.8	297	36.5	424	52.1	814	100.0
5	43	5.9	57	7.9	253	35.0	370	51.2	723	100.0
6	44	5.9	51	6.9	256	34.5	392	52.8	743	100.0
7	36	5.5	46	7.0	228	34.5	350	53.0	660	100.0
8	28	4.4	54	8.5	198	31.1	357	56.0	637	100.0
9	17	3.1	41	7.5	177	32.2	314	57.2	549	100.0
10	21	3.9	35	6.4	167	30.6	322	59.1	545	100.0
11	13	2.5	40	7.8	151	29.5	307	60.1	511	100.0
12	16	3.2	20	3.9	127	25.0	344	67.9	507	100.0
+	0	0.0	0	0.0	15	5.2	271	94.8	286	100.0
Total	425	3.9	684	6.3	3,245	30.1	6,427	59.6	10,781	100.0

Autism Grade by Year - October 2010										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	22	1.5	78	5.3	371	25.4	989	67.7	1,460	100.0
K	40	4.5	66	7.5	206	23.4	569	64.6	881	100.0
1	44	4.6	68	7.1	289	30.0	561	58.3	962	100.0
2	45	4.6	84	8.6	304	31.1	546	55.8	979	100.0
3	54	5.8	64	6.9	310	33.4	500	53.9	928	100.0
4	58	6.1	60	6.4	343	36.3	483	51.2	944	100.0
5	47	5.3	77	8.7	320	36.0	444	50.0	888	100.0
6	40	5.3	61	8.1	268	35.5	386	51.1	755	100.0
7	49	6.5	47	6.3	267	35.6	388	51.7	751	100.0
8	31	4.3	54	7.5	253	35.2	381	53.0	719	100.0
9	26	4.0	55	8.5	224	34.8	339	52.6	644	100.0
10	20	3.3	40	6.5	196	32.0	356	58.2	612	100.0
11	16	2.8	40	7.1	178	31.5	331	58.6	565	100.0
12	12	1.9	40	6.5	161	26.0	407	65.6	620	100.0
+	0	0.0	1	0.3	22	6.3	327	93.4	350	100.0
Total	504	4.2	835	6.9	3,712	30.8	7,007	58.1	12,058	100.0

Autism Grade by Year - October 2011										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	37	2.4	68	4.3	393	25.1	1,070	68.2	1,568	100.0
K	35	3.9	45	5.1	235	26.5	573	64.5	888	100.0
1	70	7.3	72	7.5	271	28.1	551	57.2	964	100.0
2	75	7.1	71	6.8	341	32.5	562	53.6	1,049	100.0
3	59	5.7	78	7.5	349	33.7	551	53.1	1,037	100.0
4	77	7.5	71	6.9	346	33.7	533	51.9	1,027	100.0
5	54	5.4	64	6.4	382	38.0	504	50.2	1,004	100.0
6	59	6.5	73	8.0	322	35.3	458	50.2	912	100.0
7	31	3.9	71	8.9	297	37.1	401	50.1	800	100.0
8	39	4.9	58	7.2	289	36.1	415	51.8	801	100.0
9	31	4.2	62	8.3	272	36.6	378	50.9	743	100.0
10	20	3.1	71	10.9	229	35.1	332	50.9	652	100.0
11	18	2.9	42	6.7	208	33.1	360	57.3	628	100.0
12	33	4.5	36	4.9	199	27.2	464	63.4	732	100.0
+	0	0.0	1	0.2	31	7.3	391	92.4	423	100.0
Total	638	4.8	883	6.7	4,164	31.5	7,543	57.0	13,228	100.0

Autism Grade by Year - October 2012										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	56	3.3	67	3.9	417	24.3	1,176	68.5	1,716	100.0
K	38	4.0	63	6.6	237	25.0	610	64.3	948	100.0
1	81	8.0	62	6.1	297	29.2	578	56.8	1,018	100.0
2	72	6.7	75	7.0	341	31.7	587	54.6	1,075	100.0
3	79	7.1	95	8.5	393	35.1	552	49.3	1,119	100.0
4	85	7.4	88	7.6	414	35.9	565	49.0	1,152	100.0
5	83	7.2	86	7.4	416	36.0	572	49.4	1,157	100.0
6	54	5.1	75	7.0	411	38.4	529	49.5	1,069	100.0
7	58	6.1	73	7.6	359	37.5	468	48.9	958	100.0
8	37	4.3	72	8.4	331	38.7	416	48.6	856	100.0
9	44	5.0	78	8.9	327	37.5	424	48.6	873	100.0
10	27	3.5	71	9.1	286	36.9	392	50.5	776	100.0
11	34	5.0	67	9.8	237	34.7	345	50.5	683	100.0
12	21	2.6	49	6.2	227	28.6	498	62.6	795	100.0
+	1	0.2	1	0.2	31	5.7	508	93.9	541	100.0
Total	770	5.2	1,022	6.9	4,724	32.1	8,220	55.8	14,736	100.0

Autism Grade by Year - October 2013										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	39	2.0	79	4.1	581	30.3	1,221	63.6	1,920	100.0
K	42	4.0	45	4.2	270	25.5	702	66.3	1,059	100.0
1	77	7.1	77	7.1	315	28.8	623	57.1	1,092	100.0
2	87	7.7	77	6.8	356	31.4	612	54.1	1,132	100.0
3	68	6.0	81	7.2	407	36.0	574	50.8	1,130	100.0
4	95	7.7	94	7.6	434	35.3	608	49.4	1,231	100.0
5	84	6.8	93	7.5	469	37.7	597	48.0	1,243	100.0
6	94	7.9	93	7.8	452	37.8	557	46.6	1,196	100.0
7	72	6.4	72	6.4	429	38.2	549	48.9	1,122	100.0
8	56	5.4	62	6.0	418	40.5	496	48.1	1,032	100.0
9	37	4.0	83	9.0	353	38.4	447	48.6	920	100.0
10	48	5.4	83	9.4	343	38.9	408	46.3	882	100.0
11	33	4.2	61	7.7	300	37.7	401	50.4	795	100.0
12	33	3.8	61	7.0	249	28.7	524	60.4	867	100.0
+	0	0.0	2	0.3	46	7.4	576	92.3	624	100.0
Total	865	5.3	1,063	6.5	5,422	33.4	8,895	54.8	16,245	100.0

Autism Grade by Year - October 2014										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	79	3.9	110	5.5	607	30.3	1,206	60.2	2,002	100.0
K	43	3.8	59	5.2	357	31.6	671	59.4	1,130	100.0
1	63	5.5	84	7.3	310	26.9	695	60.3	1,152	100.0
2	80	6.7	97	8.1	415	34.7	605	50.5	1,197	100.0
3	105	8.8	92	7.7	387	32.3	616	51.3	1,200	100.0
4	83	6.8	93	7.6	460	37.6	587	48.0	1,223	100.0
5	110	8.3	104	7.8	483	36.3	634	47.6	1,331	100.0
6	78	6.0	104	8.0	477	36.6	644	49.4	1,303	100.0
7	87	7.2	97	8.1	456	37.9	562	46.8	1,202	100.0
8	69	6.0	75	6.5	444	38.7	559	48.7	1,147	100.0
9	64	6.0	87	8.1	429	40.2	488	45.7	1,068	100.0
10	53	5.8	80	8.7	345	37.6	440	47.9	918	100.0
11	48	5.4	83	9.3	348	38.9	415	46.4	894	100.0
12	34	3.6	59	6.2	292	30.7	565	59.5	950	100.0
+	2	0.3	3	0.5	54	8.3	589	90.9	648	100.0
Total	998	5.7	1,227	7.1	5,864	33.8	9,276	53.4	17,365	100.0

Autism Grade by Year - October 2015										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	61	2.9	107	5.0	646	30.2	1,326	62.0	2,140	100.0
K	57	4.5	85	6.7	374	29.4	754	59.4	1,270	100.0
1	74	6.2	78	6.5	399	33.3	647	54.0	1,198	100.0
2	82	6.7	84	6.8	373	30.3	694	56.3	1,233	100.0
3	91	7.1	105	8.2	457	35.8	623	48.8	1,276	100.0
4	123	9.7	89	7.0	422	33.2	636	50.1	1,270	100.0
5	100	7.8	94	7.3	467	36.5	618	48.3	1,279	100.0
6	113	8.5	109	8.2	499	37.4	615	46.0	1,336	100.0
7	79	6.0	85	6.4	496	37.5	663	50.1	1,323	100.0
8	84	6.7	96	7.7	484	38.7	587	46.9	1,251	100.0
9	76	6.4	82	6.9	483	40.4	555	46.4	1,196	100.0
10	64	5.9	89	8.1	426	39.0	514	47.0	1,093	100.0
11	59	6.6	83	9.3	349	39.0	403	45.1	894	100.0
12	54	4.9	88	8.0	352	32.1	604	55.0	1,098	100.0
+	1	0.1	1	0.1	59	8.3	654	91.5	715	100.0
Total	1,118	6.0	1,275	6.9	6,286	33.8	9,893	53.3	18,572	100.0

Autism Grade by Year - October 2016										
Grade	Level of Need								Total #	Total %
	Low <2 hrs #	Low <2 hrs %	Low >=2 hrs #	Low >=2 hrs %	Moderate #	Moderate %	High #	High %		
PK	59	2.5	133	5.6	797	33.4	1,397	58.5	2,386	100.0
K	54	4.0	90	6.6	371	27.4	841	62.0	1,356	100.0
1	99	7.2	90	6.5	423	30.6	769	55.7	1,381	100.0
2	87	6.7	100	7.7	443	34.2	665	51.4	1,295	100.0
3	83	6.2	97	7.3	442	33.2	708	53.2	1,330	100.0
4	94	7.1	110	8.3	469	35.3	655	49.3	1,328	100.0
5	119	8.8	96	7.1	459	33.9	679	50.2	1,353	100.0
6	96	7.3	94	7.1	503	38.0	631	47.7	1,324	100.0
7	96	7.1	101	7.4	536	39.5	623	45.9	1,356	100.0
8	58	4.2	87	6.3	552	40.3	674	49.2	1,371	100.0
9	87	6.8	97	7.6	500	39.2	591	46.4	1,275	100.0
10	68	5.6	103	8.5	472	38.8	574	47.2	1,217	100.0
11	68	6.1	91	8.1	431	38.5	530	47.3	1,120	100.0
12	65	6.2	89	8.4	355	33.7	545	51.7	1,054	100.0
+	1	0.1	3	0.4	56	7.0	736	92.5	796	100.0
Total	1,134	5.7	1,381	6.9	6,809	34.1	10,618	53.2	19,942	100.0