



HPV Vaccine Quality Improvement Study Weekly Run Chart Report

Practice ID:	23		
Baseline Period:	Feb 2017-Jan 2018	Date of Data Pull:	2/10/20
MOC Project Periods:	Feb 2018-Jan 2019	Data through:	2020 Week 3

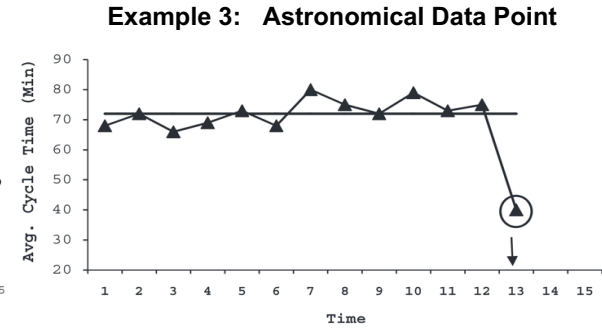
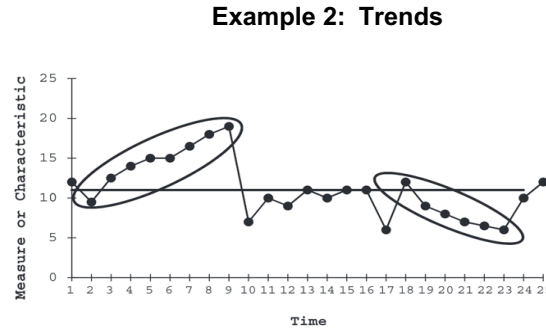
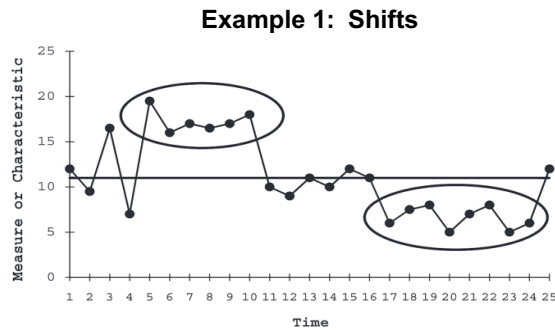
How to Interpret Your Weekly Run Charts

Higher is Better: For all of the measures in this report, the desirable direction is upward (increasing).

Goal: The default goal for each measure is 80%. If your practice would like to change the goal for a specific measure, submit a VHealth technical support ticket.

Look for Patterns in Your Data: It is normal to have random movement of your weekly data up and down around the median during the Baseline Period (gray area). Here are examples of patterns that are not random (see figures*):

- 1) **Shifts:** At least 6 consecutive points that all occur above or below the median line
- 2) **Trends:** At least 5 consecutive points all going in an upward or downward direction regardless of what side of the median line they are on
- 3) **Astronomical Data Point:** An outlier data point that stands out as unusually high or low from the overall average or median value



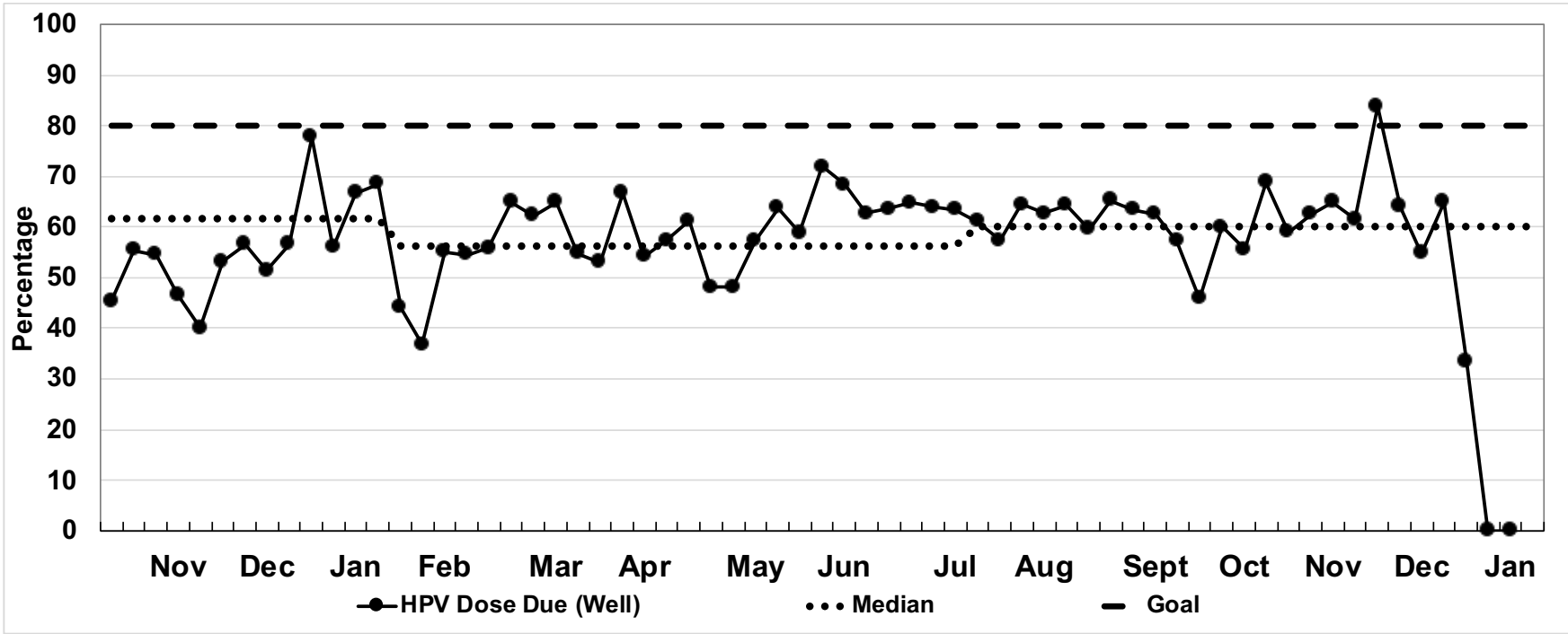
Baseline Period (gray area): Look for shifts or trends that may represent seasonal patterns (e.g., summer, flu season) or when major changes happened in the practice. You may see similar seasonal patterns in the next year. You can compare data across years in the table under the chart. If you see any astronomical points, think about if there was an unusual event that caused it.

MOC Projects Period (white area): While working on your MOC projects, during the “Study” phase of your PDSA cycles, look for new patterns in your weekly data.

- When you see an upward shift or upward trend, these patterns may mean you are making an improvement. Continue to monitor your data to see if you hold these gains over time.
- If you do not see improvements, or if your data go down, it may be helpful for your team to revisit and adjust your plan then do additional PDSA cycles. Also think about any special circumstance during those weeks that may have interfered with the plan being fully implemented, such as a provider being on vacation or an unusually heavy volume of flu visits.

*Source: Perla RJ, Provost LP, Murray SK. The run chart: A simple analytical tool for learning from variation in healthcare processes. *BMJ Quality and Safety*. 2011; 20:46-51.

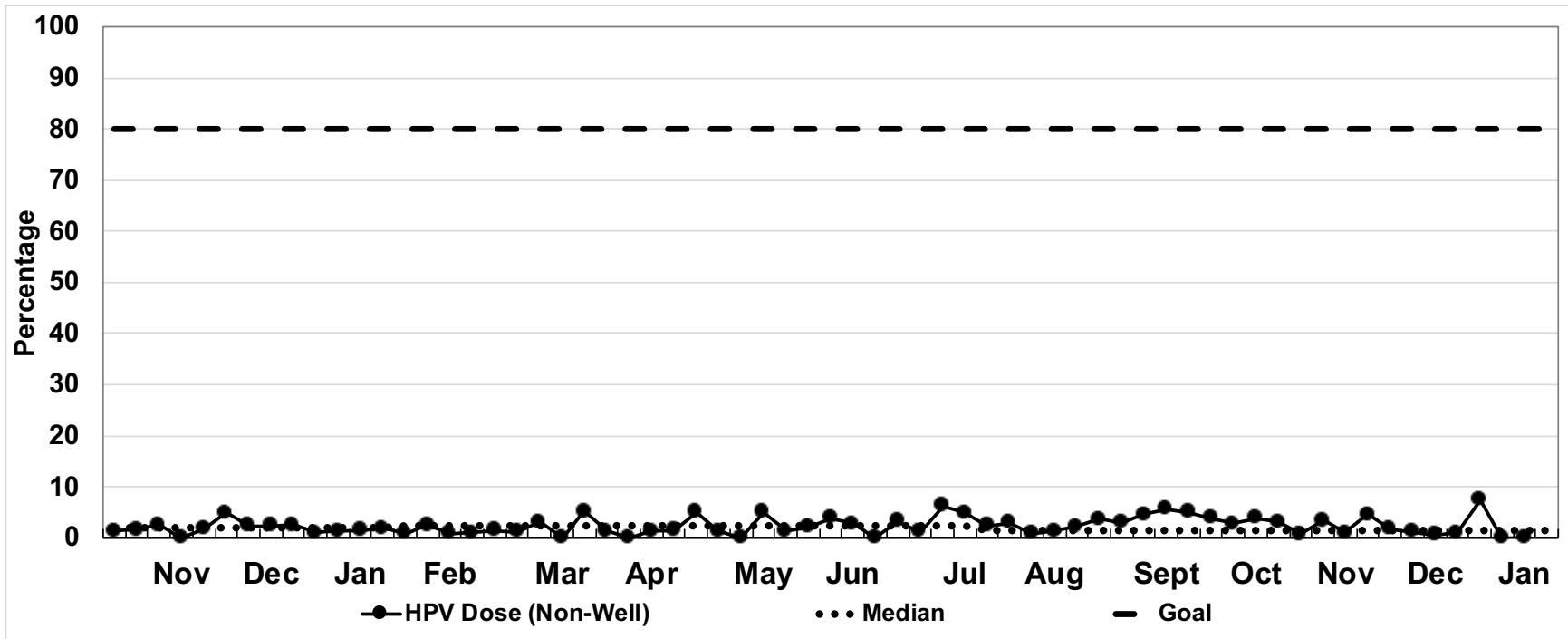
Weekly Measure #: 1
 Name: HPV Dose Due (Well)
 Description: WELL visits with patients up-to-date for HPV vaccine (% of visits with HPV due, ages 11-17)



	Week	Jan				Feb				Mar				Apr				May				Jun						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
2017	Complete	17	10	27	9	13	15	15	20	13	10	12	25	27	13	26	45	22	20	27	27	29	27	35	44	35	50	42
	Total	28	26	37	25	28	45	34	47	19	24	30	38	51	26	45	53	44	48	61	54	70	69	84	76	85	84	
	Percent	61%	38%	73%	36%	46%	33%	44%	43%	68%	42%	40%	66%	53%	50%	58%	42%	45%	56%	44%	54%	39%	51%	52%	46%	59%	50%	
2018	Complete	12	12	11	20	16	17	20	22	22	16	20	24	33	37	22	25	38	32	38	42	61	37	65	59	63	50	
	Total	25	18	27	34	26	31	40	35	43	24	43	39	45	54	38	37	60	62	61	65	96	69	95	91	102	82	
	Percent	48%	67%	41%	59%	62%	55%	50%	63%	51%	67%	47%	62%	73%	69%	58%	68%	63%	52%	62%	65%	64%	54%	68%	65%	62%	61%	
2019	Complete	14	28	30	24	15	14	16	24	19	26	28	24	34	26	34	39	39	30	26	26	47	37	50	64	67	52	
	Total	18	50	45	35	34	38	29	44	34	40	45	37	62	49	51	72	68	49	54	54	82	58	85	89	98	83	
	Percent	78%	56%	67%	69%	44%	37%	55%	55%	56%	65%	62%	65%	55%	53%	67%	54%	57%	61%	48%	48%	57%	64%	59%	72%	68%	63%	
2020	Complete	200%	0%	0%																								
	Total	600%	600%	600%	600%																							
	Percent	33%	0%	0%	600%																							

	Week	Jul				Aug				Sep				Oct				Nov				Dec					
		27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
2017	Complete	29	79	55	95	115	48	37	32	26	23	22	29	29	24	35	26	24	24	22	21	15	21	19	16	18	17
	Total	64	128	115	160	206	79	69	57	59	41	47	51	48	45	61	34	56	44	45	39	27	30	39	28	31	27
	Percent	45%	62%	48%	59%	56%	61%	54%	56%	44%	56%	47%	57%	60%	53%	57%	76%	43%	55%	49%	54%	56%	70%	49%	57%	58%	63%
2018	Complete	34	58	65	89	101	55	58	43	33	31	24	34	29	28	44	37	23	20	31	24	14	14	17	13	18	13
	Total	66	105	112	126	162	77	92	82	47	55	40	62	52	47	86	53	41	44	56	44	30	35	32	23	35	23
	Percent	52%	55%	58%	71%	62%	71%	63%	52%	70%	56%	60%	55%	56%	60%	51%	70%	56%	45%	55%	55%	47%	40%	53%	57%	51%	57%
2019	Complete	49	68	85	87	105	66	49	47	36	31	43	33	25	20	28	21	30	33	23	30	24	16	31	16	17	13

Weekly Measure #: 2
 Name: HPV Dose (Non-Well)
 Description: NON-WELL clinic visits with patients up-to-date for HPV vaccine (% of visits with HPV due, ages 11-17)



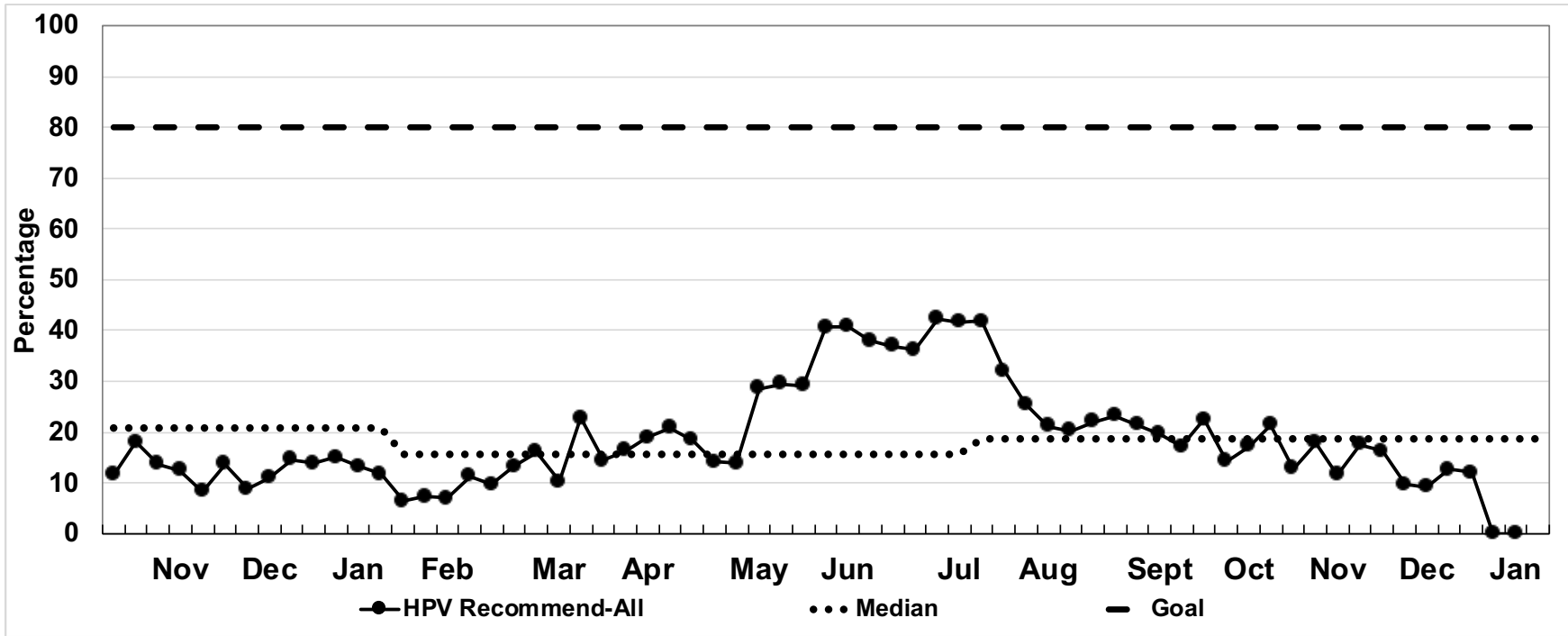
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan													
2017	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Complete	7	3	8	3	2	4	5	3	1	1	0	5	1	5	5	2	4	5	4	6	4	4	4	4	4	1
Total	116	186	213	232	245	265	300	206	213	212	226	158	185	208	175	150	180	167	190	161	109	78	77	70	76	71
Percent	6%	2%	4%	1%	1%	2%	2%	1%	0%	0%	0%	3%	1%	2%	3%	1%	2%	3%	2%	4%	4%	5%	5%	6%	5%	1%
2018	2	1	2	2	0	1	3	2	2	2	1	3	6	5	5	3	1	2	3	2	2	2	4	5	1	2
Total	114	151	83	180	226	287	352	243	197	185	161	158	123	153	168	118	147	138	130	141	79	66	78	80	65	61
Percent	2%	1%	2%	1%	0%	0%	1%	1%	1%	1%	1%	2%	5%	3%	3%	3%	1%	1%	2%	1%	3%	3%	5%	6%	2%	3%
2019	1	2	3	4	2	6	2	2	3	2	5	0	6	2	0	2	2	8	2	0	5	1	2	3	2	0
Total	90	150	204	202	232	236	230	185	193	172	161	195	114	144	157	144	129	156	144	134	100	71	93	76	71	54
Percent	1%	1%	1%	2%	1%	3%	1%	1%	2%	1%	3%	0%	5%	1%	0%	1%	2%	5%	1%	0%	5%	1%	2%	4%	3%	0%
2020	200%	0%	0%																							
Total	####	####	####	####																						
Percent	7%	0%	0%	####																						

	Jul	Aug	Sep	Oct	Nov	Dec																				
2017	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Complete	4	6	4	9	5	2	7	2	8	7	1	2	4	3	2	2	4	3	3	1	1	3	3	2	1	0
Total	59	87	94	91	91	99	163	162	165	116	159	128	158	144	90	112	152	181	182	192	114	185	169	202	139	91
Percent	7%	7%	4%	10%	5%	2%	4%	1%	5%	6%	1%	2%	3%	2%	2%	2%	3%	2%	2%	1%	1%	2%	2%	1%	1%	0%
2018	2	1	9	3	4	4	4	3	2	4	4	4	5	5	5	2	2	2	2	4	0	3	7	4	4	2
Total	63	88	67	63	87	85	152	185	151	97	132	131	122	128	102	129	142	145	127	160	82	170	143	170	164	80
Percent	3%	1%	13%	5%	5%	5%	3%	2%	1%	4%	3%	3%	4%	4%	5%	2%	1%	1%	2%	3%	0%	2%	5%	2%	2%	3%
2019	2	1	5	4	2	3	1	2	3	4	4	6	7	6	3	4	6	4	1	5	2	4	3	2	1	1

Weekly Measure #: 5

Name: HPV Recommend-All

Description: ALL visits with documented provider recommendation (given or refused) (% of visits with HPV due, ages 11-17)



	Week	Jan				Feb				Mar				Apr				May				Jun					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
2017	Complete	24	13	35	12	15	19	20	23	14	11	12	30	28	18	31	24	24	33	31	35	31	39	48	39	54	43
	Total	144	212	250	257	273	310	334	253	232	236	256	196	236	234	220	203	224	215	251	215	179	147	161	146	161	155
	Percent	17%	6%	14%	5%	5%	6%	6%	9%	6%	5%	5%	15%	12%	8%	14%	12%	11%	15%	12%	16%	17%	27%	30%	27%	34%	28%
2018	Complete	14	13	13	22	16	18	23	24	24	18	21	27	39	42	27	28	39	34	41	44	63	39	69	64	64	52
	Total	139	169	110	214	252	318	392	278	240	209	204	197	168	207	206	155	207	200	191	206	175	135	173	171	167	143
	Percent	10%	8%	12%	10%	6%	6%	6%	9%	10%	9%	10%	14%	23%	20%	13%	18%	19%	17%	21%	21%	36%	29%	40%	37%	38%	36%
2019	Complete	15	30	33	28	17	20	18	26	22	28	33	24	40	28	34	41	41	38	28	26	52	38	52	67	69	52
	Total	108	200	249	237	266	274	259	229	227	212	206	232	176	193	208	216	197	205	198	188	182	129	178	165	169	137
	Percent	14%	15%	13%	12%	6%	7%	7%	11%	10%	13%	16%	10%	23%	15%	16%	19%	21%	19%	14%	14%	29%	29%	29%	41%	41%	38%
2020	Complete	400%	0%	0%																							
	Total	####	####	####	####																						
	Percent	12%	0%	0%	####																						

	Week	Jul				Aug				Sep				Oct				Nov				Dec					
		27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
2017	Complete	33	85	60	104	120	50	44	34	34	30	23	31	33	27	37	28	29	27	25	22	16	24	22	18	19	17
	Total	123	215	209	251	297	178	232	219	224	157	206	179	206	189	151	146	208	225	227	231	141	215	208	230	170	118
	Percent	27%	40%	29%	41%	40%	28%	19%	16%	15%	19%	11%	17%	16%	14%	25%	19%	14%	12%	11%	10%	11%	11%	11%	8%	11%	14%
2018	Complete	36	59	74	92	105	59	62	46	35	35	28	38	34	33	49	39	25	22	33	28	14	17	24	17	22	15
	Total	129	193	179	189	249	162	244	267	198	152	172	193	174	175	188	182	183	189	183	204	112	205	175	193	199	103
	Percent	28%	31%	41%	49%	42%	36%	25%	17%	18%	23%	16%	20%	20%	19%	26%	21%	14%	12%	18%	14%	13%	8%	14%	9%	11%	15%
2019	Complete	51	69	90	91	107	69	50	49	39	35	47	39	32	26	31	25	36	37	24	35	26	20	34	18	18	14

