



## HPV Vaccine Quality Improvement Study Weekly Run Chart Report

<b>Practice ID:</b>	6		
<b>Baseline Period:</b>	Feb 2017-Jan 2018	<b>Date of Data Pull:</b>	2/10/20
<b>MOC Project Periods:</b>	Feb 2018-Jan 2019	<b>Data through:</b>	2020 Week 4

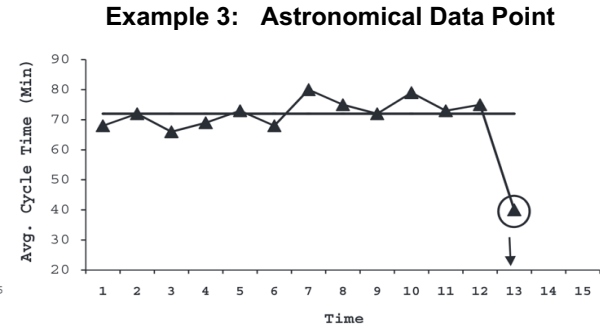
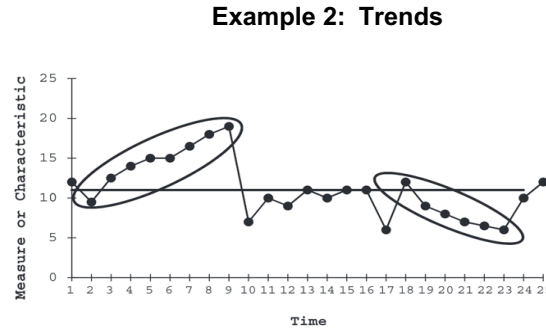
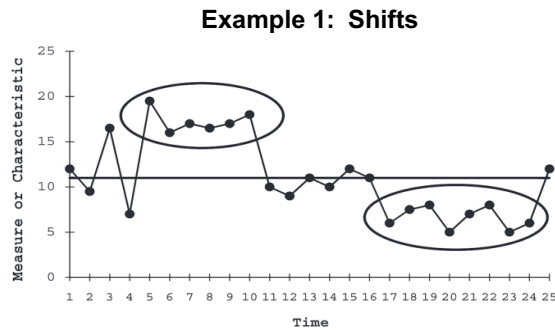
# How to Interpret Your Weekly Run Charts

**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.

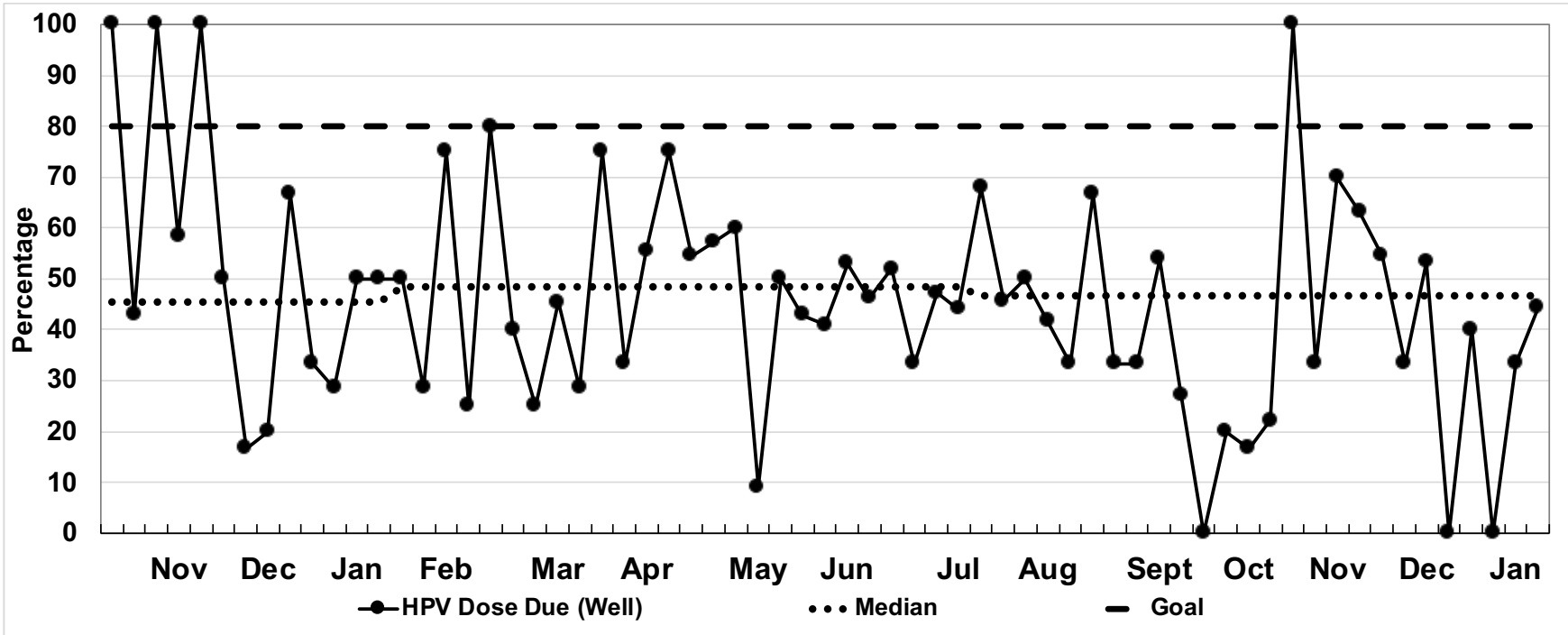
- When you see an upward shift or upward trend, these patterns may mean you are making an improvement. Continue to monitor your data to see if you hold these gains over time.
- If you do not see improvements, or if your data go down, it may be helpful for your team to revisit and adjust your plan then 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)



		Jan				Feb				Mar				Apr				May				Jun					
Week		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	4	2	0	1	0	1	1	2	1	4	3	4	3	1	6	2	4	8	8	5	8	9	6	9	2	4
	Total	10	6	10	5	5	6	3	11	6	12	8	13	10	8	15	17	14	24	14	16	29	27	21	24	22	18
	Percent	40%	33%	0%	20%	0%	17%	33%	18%	17%	33%	38%	31%	30%	13%	40%	12%	29%	33%	57%	31%	28%	33%	29%	38%	9%	22%
2018	Complete	1	1	3	6	3	7	1	3	4	5	2	1	5	3	5	9	3	6	12	5	9	10	12	4	12	18
	Total	9	5	8	9	9	9	1	7	8	7	12	5	11	10	7	12	10	11	18	11	16	28	26	15	28	41
	Percent	11%	20%	38%	67%	33%	78%	100%	43%	50%	71%	17%	20%	45%	30%	71%	75%	30%	55%	67%	45%	56%	36%	46%	27%	43%	44%
2019	Complete	1	2	5	6	5	2	6	2	8	4	1	5	2	3	2	5	6	6	4	3	1	10	9	9	9	12
	Total	3	7	10	12	10	7	8	8	10	10	4	11	7	4	6	9	8	11	7	5	11	20	21	22	17	26
	Percent	33%	29%	50%	50%	50%	29%	75%	25%	80%	40%	25%	45%	29%	75%	33%	56%	75%	55%	57%	60%	9%	50%	43%	41%	53%	46%
2020	Complete	200%	0%	200%	400%																						
	Total	500%	500%	500%	500%																						
	Percent	40%	0%	40%	80%																						

		Jul			Aug				Sep				Oct				Nov				Dec						
Week		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	10	6	11	23	9	13	5	3	3	6	3	4	3	0	1	2	4	2	0	3	2	1	1	3	5	2
	Total	24	27	33	52	34	29	15	15	17	15	10	18	13	7	12	7	6	5	4	10	14	6	9	6	8	6
	Percent	42%	22%	33%	44%	26%	45%	33%	20%	18%	40%	30%	22%	23%	0%	8%	29%	67%	40%	0%	30%	14%	17%	11%	50%	63%	33%
2018	Complete	8	11	14	15	30	17	3	6	7	5	2	6	9	10	3	3	2	3	3	2	7	4	5	1	1	2
	Total	15	22	31	44	64	40	6	14	12	9	12	18	20	14	11	7	4	3	7	2	12	4	10	6	5	3
	Percent	53%	50%	45%	34%	47%	43%	50%	43%	58%	56%	17%	33%	45%	71%	27%	43%	50%	100%	43%	100%	58%	100%	50%	17%	20%	67%
2019	Complete	13	5	17	15	19	21	3	5	4	2	3	2	7	3	0	2	1	2	3	1	7	12	6	1	8	0

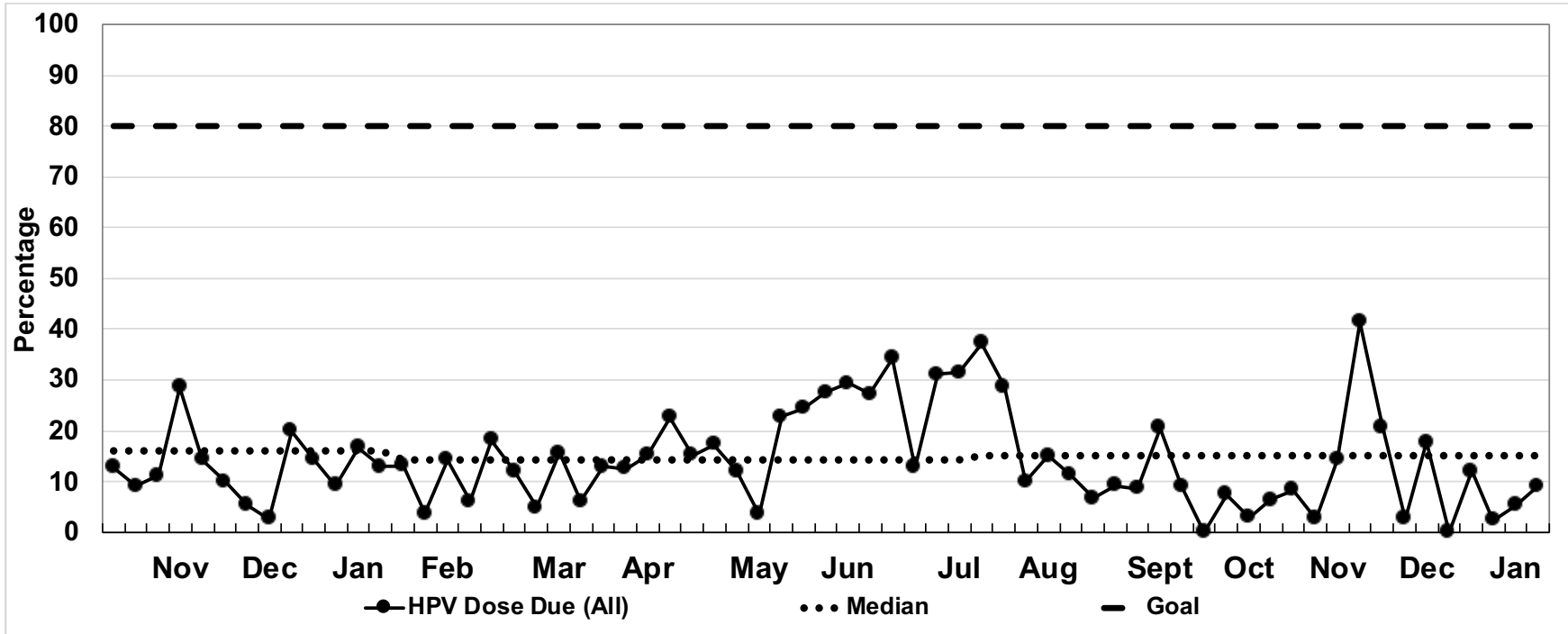




Weekly Measure #: 3

Name: HPV Dose Due (All)

Description: ALL visits with patients up-to-date for HPV vaccine (% of visits with HPV due, ages 11-17)



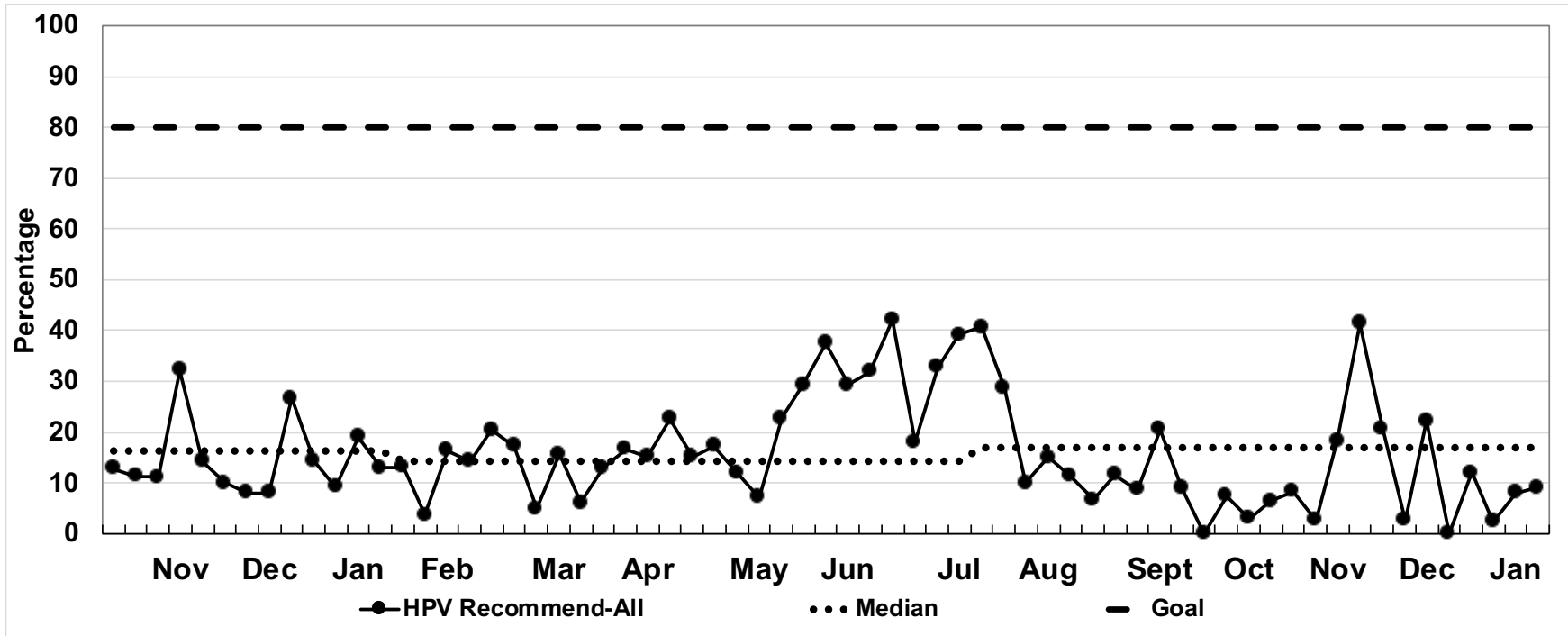
		Jan				Feb				Mar				Apr				May				Jun							
Week		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
2017	Complete	4	2	0	1	1	2	1	4	1	4	4	4	3	1	6	2	5	8	11	9	8	11	7	9	2	4		
	Total	31	36	43	32	44	59	52	56	38	54	51	35	39	37	45	51	43	64	45	42	48	45	48	61	47	34		
	Percent	13%	6%	0%	3%	2%	3%	2%	7%	3%	7%	8%	11%	8%	3%	13%	4%	12%	13%	24%	21%	17%	24%	15%	15%	4%	12%		
2018	Complete	1	1	4	7	3	8	1	4	4	5	5	2	7	4	5	10	4	7	13	6	9	10	13	4	12	20		
	Total	26	41	35	41	61	77	70	50	40	47	48	29	24	37	41	52	35	44	42	37	42	41	52	37	48	53		
	Percent	4%	2%	11%	17%	5%	10%	1%	8%	10%	11%	10%	7%	29%	11%	12%	19%	11%	16%	31%	16%	21%	24%	25%	11%	25%	38%		
2019	Complete	2	4	7	7	6	2	7	3	8	7	2	5	2	4	3	5	7	7	5	3	1	10	10	11	12	12		
	Total	14	43	42	54	46	54	49	49	44	58	41	32	33	31	24	33	31	46	29	25	28	44	41	40	41	44		
	Percent	14%	9%	17%	13%	13%	4%	14%	6%	18%	12%	5%	16%	6%	13%	13%	15%	23%	15%	17%	12%	4%	23%	24%	28%	29%	27%		
2020	Complete	300%	100%	200%	400%																								
	Total	####	####	####	####																								
	Percent	12%	4%	8%	16%																								

		Jul			Aug				Sep				Oct				Nov				Dec						
Week		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	10	7	12	24	10	13	5	4	4	6	3	5	3	0	1	2	4	2	0	4	3	1	4	3	5	2
	Total	36	56	57	88	63	57	40	45	47	44	33	60	55	42	37	38	39	32	37	34	39	49	48	61	45	23
	Percent	28%	13%	21%	27%	16%	23%	13%	9%	9%	14%	9%	8%	5%	0%	3%	5%	10%	6%	0%	12%	8%	2%	8%	5%	11%	9%
2018	Complete	8	12	14	16	31	18	6	6	9	5	2	6	9	10	3	3	2	5	4	4	8	4	5	2	1	3
	Total	28	38	58	65	81	64	25	33	36	31	35	42	48	49	49	32	26	39	44	36	28	28	50	37	37	15
	Percent	29%	32%	24%	25%	38%	28%	24%	18%	25%	16%	6%	14%	19%	20%	6%	9%	8%	13%	9%	11%	29%	14%	10%	5%	3%	20%
2019	Complete	13	5	19	16	22	21	3	6	5	2	4	2	8	3	0	2	1	2	3	1	7	12	6	1	8	0

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)



		Jan				Feb				Mar					Apr					May						Jun					
Week		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	4	2	0	1	1	2	1	4	1	4	4	4	3	1	6	2	5	8	11	9	8	11	7	9	2	4				
	Total	31	36	43	32	44	59	52	56	38	54	51	35	39	37	45	51	43	64	45	42	48	45	48	61	47	34				
	Percent	13%	6%	0%	3%	2%	3%	2%	7%	3%	7%	8%	11%	8%	3%	13%	4%	12%	13%	24%	21%	17%	24%	15%	15%	4%	12%				
2018	Complete	1	1	4	7	4	8	1	5	4	5	5	2	7	5	5	10	4	7	13	6	9	11	13	6	13	22				
	Total	26	41	35	41	61	77	70	50	40	47	48	29	24	37	41	52	35	44	42	37	42	41	52	37	48	53				
	Percent	4%	2%	11%	17%	7%	10%	1%	10%	10%	11%	10%	7%	29%	14%	12%	19%	11%	16%	31%	16%	21%	27%	25%	16%	27%	42%				
2019	Complete	2	4	8	7	6	2	8	7	9	10	2	5	2	4	4	5	7	7	5	3	2	10	12	15	12	14				
	Total	14	43	42	54	46	54	49	49	44	58	41	32	33	31	24	33	31	46	29	25	28	44	41	40	41	44				
	Percent	14%	9%	19%	13%	13%	4%	16%	14%	20%	17%	5%	16%	6%	13%	17%	15%	23%	15%	17%	12%	7%	23%	29%	38%	29%	32%				
2020	Complete	300%	100%	300%	400%																										
	Total	####	####	####	####																										
	Percent	12%	4%	12%	16%																										

		Jul				Aug				Sep					Oct					Nov						Dec					
Week		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	10	7	12	24	10	13	5	4	4	6	3	5	3	0	1	2	4	2	0	4	3	1	4	3	5	2				
	Total	36	56	57	88	63	57	40	45	47	44	33	60	55	42	37	38	39	32	37	34	39	49	48	61	45	23				
	Percent	28%	13%	21%	27%	16%	23%	13%	9%	9%	14%	9%	8%	5%	0%	3%	5%	10%	6%	0%	12%	8%	2%	8%	5%	11%	9%				
2018	Complete	8	12	16	19	33	21	7	7	9	5	2	6	9	10	3	3	2	5	5	4	9	4	5	3	3	4				
	Total	28	38	58	65	81	64	25	33	36	31	35	42	48	49	49	32	26	39	44	36	28	28	50	37	37	15				
	Percent	29%	32%	28%	29%	41%	33%	28%	21%	25%	16%	6%	14%	19%	20%	6%	9%	8%	13%	11%	11%	32%	14%	10%	8%	8%	27%				
2019	Complete	16	7	20	20	24	21	3	6	5	2	5	2	8	3	0	2	1	2	3	1	9	12	6	1	10	0				

