



HPV Vaccine Quality Improvement Study Weekly Run Chart Report

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

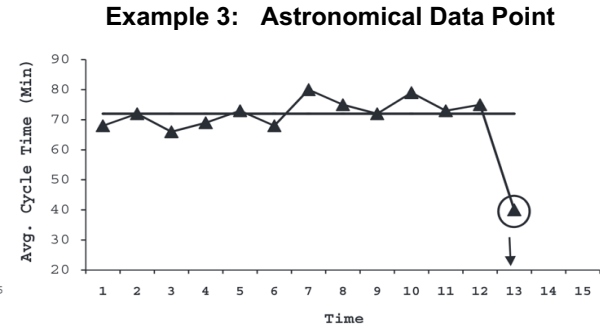
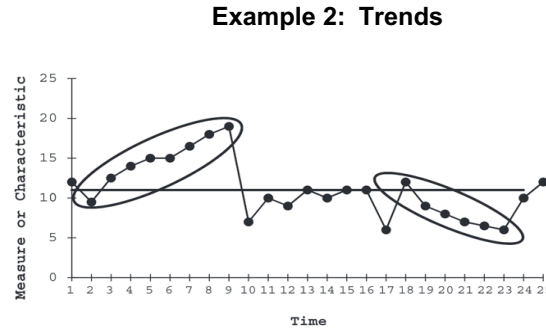
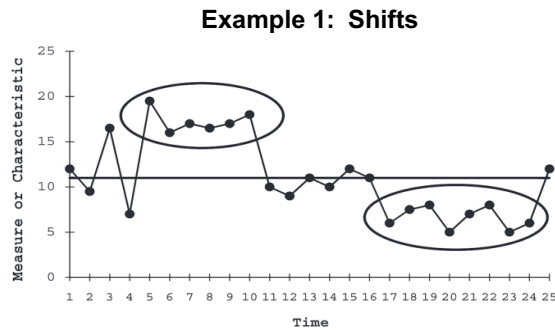
How to Interpret Your Weekly Run Charts

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.

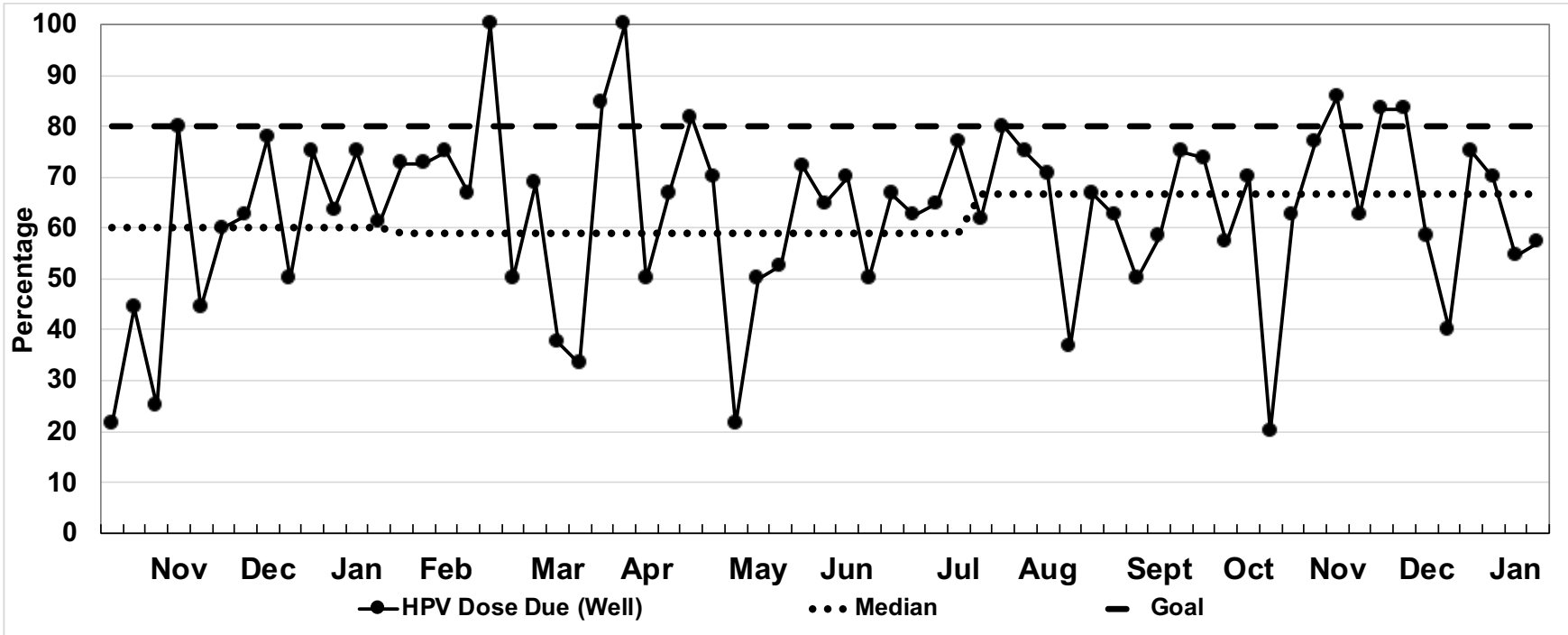
- When you see an upward shift or upward trend, these patterns may mean you are making an improvement. Continue to monitor your data to see if you hold these gains over time.
- If you do not see improvements, or if your data go down, it may be helpful for your team to revisit and adjust your plan then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

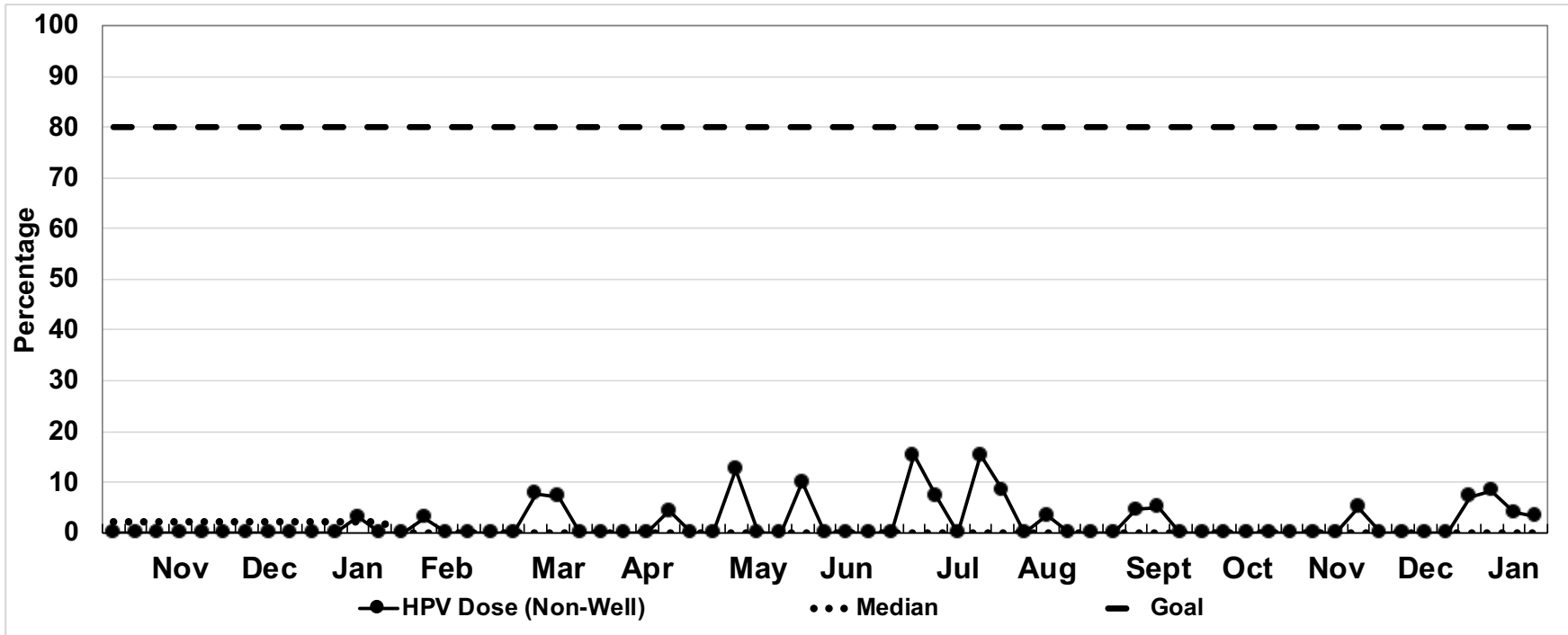
Description: WELL visits with patients up-to-date for HPV vaccine (% of visits with HPV due, ages 11-17)



	Jan	2	3	4	Feb	5	6	7	8	Mar	9	10	11	12	13	Apr	14	15	16	17	May	18	19	20	21	22	Jun	23	24	25	26
2017	4	3	2	7	1	3	5	5	5	5	2	8	3	5	4	8	9	7	6	9	10	7	7	14	14	6	12				
Total	8	5	4	9	8	5	12	10	6	6	13	10	10	6	11	15	135	13	14	18	16	22	33	24	15	19					
Percent	50%	60%	50%	78%	13%	60%	42%	50%	83%	33%	62%	30%	50%	67%	73%	60%	5%	46%	64%	56%	44%	32%	42%	58%	40%	63%					
2018	4	1	6	3	1	3	5	9	7	6	7	3	2	7	4	3	4	6	6	8	11	6	7	13	19	18					
Total	7	1	8	4	4	6	14	15	10	8	11	5	9	13	5	5	14	8	7	18	25	11	15	17	22	32					
Percent	57%	100%	75%	75%	25%	50%	36%	60%	70%	75%	64%	60%	22%	54%	80%	60%	29%	75%	86%	44%	44%	55%	47%	76%	86%	56%					
2019	3	7	3	11	8	8	6	8	6	3	11	3	3	11	2	5	8	9	7	3	12	10	13	11	14	9					
Total	4	11	4	18	11	11	8	12	6	6	16	8	9	13	2	10	12	11	10	14	24	19	18	17	20	18					
Percent	75%	64%	75%	61%	73%	73%	75%	67%	100%	50%	69%	38%	33%	85%	100%	50%	67%	82%	70%	21%	50%	53%	72%	65%	70%	50%					
2020	####	####	####	####																											
Total	####	####	####	####																											
Percent	75%	88%	75%	100%																											

	Jul	27	28	29	30	Aug	31	32	33	34	35	Sep	36	37	38	39	Oct	40	41	42	43	Nov	44	45	46	47	48	Dec	49	50	51	52
2017	11	21	11	22	11	8	14	7	7	7	5	11	5	11	9	3	11	13	1	5	8	6	5	2	12	3						
Total	23	32	34	54	32	21	20	20	15	8	18	16	9	16	22	6	14	17	4	13	10	11	9	6	22	12						
Percent	48%	66%	32%	41%	34%	38%	70%	35%	47%	88%	28%	69%	56%	69%	41%	50%	79%	76%	25%	38%	80%	55%	56%	33%	55%	25%						
2018	14	30	27	31	24	13	8	10	7	4	7	2	6	8	10	9	4	3	4	1	4	4	6	5	7	6						
Total	30	43	38	37	37	22	15	17	15	9	12	6	14	8	15	15	7	14	9	4	5	9	10	8	9	12						
Percent	47%	70%	71%	84%	65%	59%	53%	59%	47%	44%	58%	33%	43%	100%	67%	60%	57%	21%	44%	25%	80%	44%	60%	63%	78%	50%						
2019	14	15	22	20	21	20	12	12	7	6	5	5	7	9	14	4	7	1	5	10	6	5	20	20	14	4						

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)



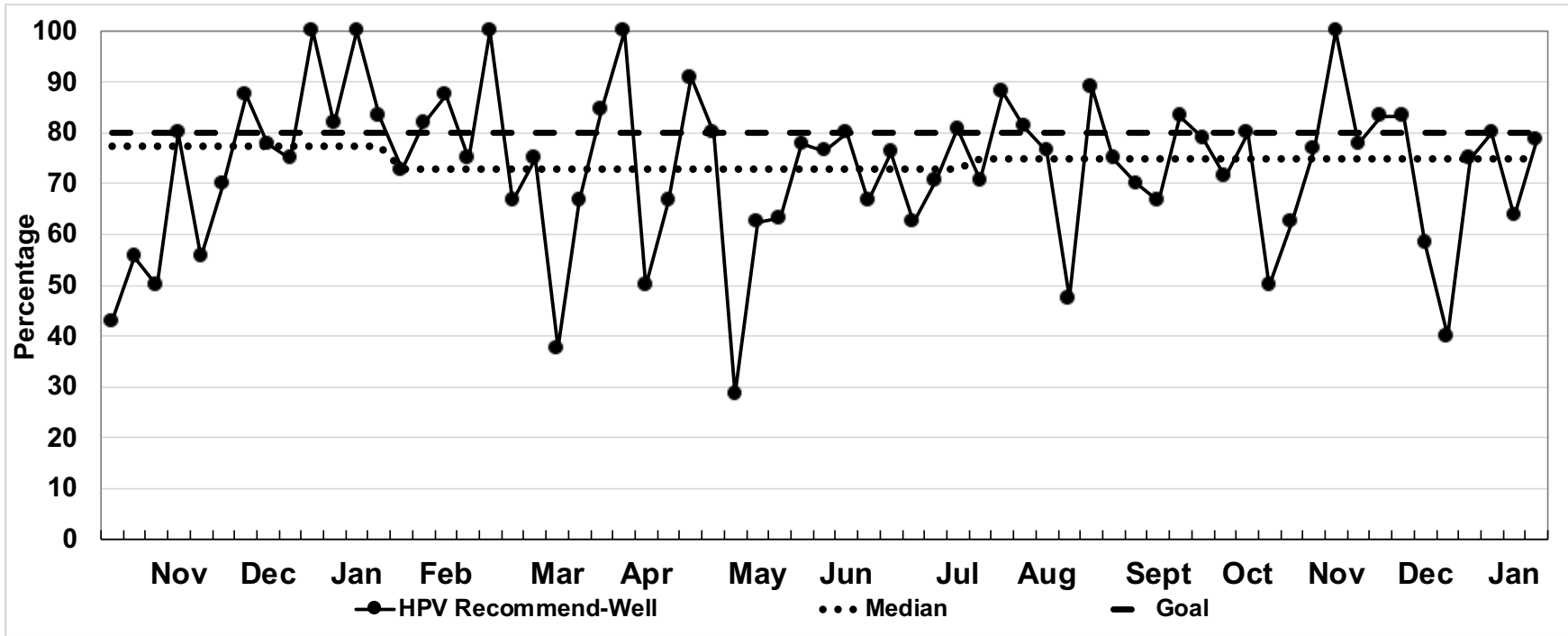
	Week	Jan				Feb				Mar				Apr				May				Jun							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
2017	Complete	0	1	0	2	1	1	1	0	2	0	4	1	0	0	1	1	0	2	0	0	1	1	0	1	0	0		
	Total	13	33	33	38	52	47	52	39	38	24	26	37	18	42	26	24	24	26	28	26	20	8	14	11	10	10		
	Percent	0%	3%	0%	5%	2%	2%	2%	0%	5%	0%	15%	3%	0%	0%	4%	4%	0%	8%	0%	0%	5%	13%	0%	9%	0%	0%		
2018	Complete	1	0	0	0	0	1	1	0	1	1	0	0	0	1	2	1	0	2	0	0	1	1	2	1	1	0		
	Total	22	31	18	23	36	47	44	41	35	31	18	27	20	19	20	28	26	23	22	19	27	17	14	14	11			
	Percent	5%	0%	0%	0%	0%	2%	2%	0%	3%	3%	0%	0%	0%	5%	10%	4%	0%	9%	0%	0%	4%	6%	14%	7%	7%	0%		
2019	Complete	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0	2	0	0	1	0	0	0		
	Total	11	17	32	31	36	33	38	33	24	23	13	14	25	22	20	15	23	22	25	16	14	8	10	10	8	9		
	Percent	0%	0%	3%	0%	0%	3%	0%	0%	0%	0%	8%	7%	0%	0%	0%	0%	4%	0%	0%	13%	0%	0%	10%	0%	0%	0%		
2020	Complete	200%	200%	200%	200%																								
	Total	####	####	####	####																								
	Percent	7%	7%	7%	7%																								

	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	1	0	1	2	2	1	1	2	2	0	0	0	0	1	1	0	0	4	0	1	0	2	0	0	3	0
	Total	17	17	18	22	12	22	31	26	24	17	27	20	29	22	6	14	22	27	26	36	21	39	32	26	35	12
	Percent	6%	0%	6%	9%	17%	5%	3%	8%	8%	0%	0%	0%	0%	5%	17%	0%	0%	15%	0%	3%	0%	5%	0%	0%	9%	0%
2018	Complete	0	0	0	2	1	0	1	1	2	1	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0
	Total	7	8	10	12	7	11	15	23	26	13	18	17	22	22	20	19	23	21	22	22	10	21	39	35	32	9
	Percent	0%	0%	0%	17%	14%	0%	7%	4%	8%	8%	0%	6%	5%	5%	10%	11%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2019	Complete	0	2	1	0	2	2	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0

Weekly Measure #: 4

Name: HPV Recommend-Well

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



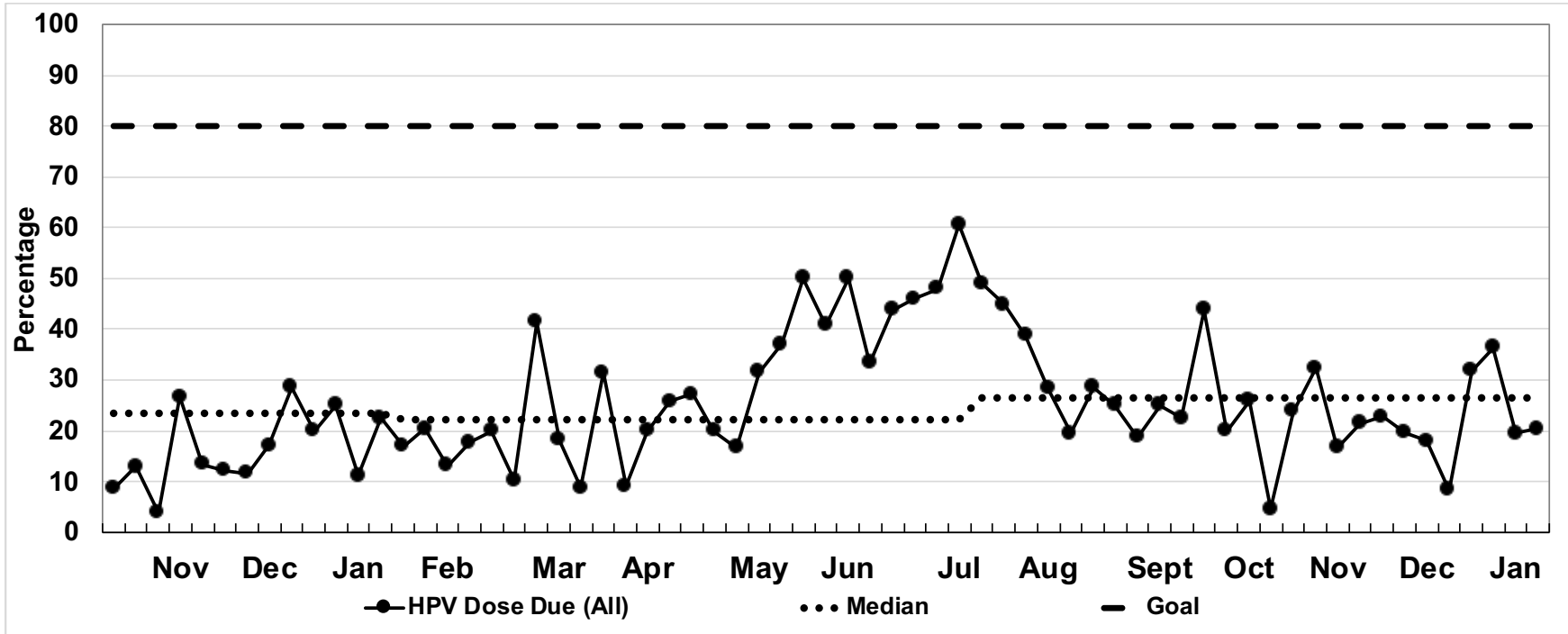
		Jan				Feb				Mar					Apr					May					Jun				
Week		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
2017	Complete	4	3	2	7	1	3	5	5	5	2	9	3	5	4	8	9	7	6	9	10	7	7	14	14	6	12		
	Total	8	5	4	9	8	5	12	10	6	6	13	10	10	6	11	15	135	13	14	18	16	22	33	24	15			
	Percent	50%	60%	50%	78%	13%	60%	42%	50%	83%	33%	69%	30%	50%	67%	73%	60%	5%	46%	64%	56%	44%	32%	42%	58%	40%			
2018	Complete	4	1	7	3	1	5	8	12	8	7	8	3	5	10	5	5	6	7	6	14	13	6	11	16	20	25		
	Total	7	1	8	4	4	6	14	15	10	8	11	5	9	13	5	14	8	7	18	25	11	15	17	22	32			
	Percent	57%	100%	88%	75%	25%	83%	57%	80%	80%	88%	73%	60%	56%	77%	100%	100%	43%	88%	86%	78%	52%	55%	73%	94%	91%			
2019	Complete	4	9	4	15	8	9	7	9	6	4	12	3	6	11	2	5	8	10	8	4	15	12	14	13	16			
	Total	4	11	4	18	11	11	8	12	6	6	16	8	9	13	2	10	12	11	10	14	24	19	18	17	20			
	Percent	100%	82%	100%	83%	73%	82%	88%	75%	100%	67%	75%	38%	67%	85%	100%	50%	67%	91%	80%	29%	63%	63%	78%	76%				
2020	Complete	####	####	####	####																								
	Total	####	####	####	####																								
	Percent	75%	100%	88%	138%																								

		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	11	21	11	22	11	8	14	7	7	7	5	11	6	12	9	3	11	13	3	6	8	7	5	3	13	6		
	Total	23	32	34	54	32	21	20	20	15	8	18	16	9	16	22	6	14	17	4	13	10	11	9	6	22			
	Percent	48%	66%	32%	41%	34%	38%	70%	35%	47%	88%	28%	69%	67%	75%	41%	50%	79%	76%	75%	46%	80%	64%	56%	50%	59%			
2018	Complete	19	32	29	34	27	16	11	12	11	6	8	3	9	8	10	13	5	6	5	2	4	5	7	7	7			
	Total	30	43	38	37	37	22	15	17	15	9	12	6	14	8	15	15	7	14	9	4	5	9	10	8	9			
	Percent	63%	74%	76%	92%	73%	73%	73%	71%	73%	67%	67%	50%	64%	100%	67%	87%	71%	43%	56%	50%	80%	56%	70%	88%				
2019	Complete	16	15	24	21	24	22	13	13	9	8	6	7	8	10	15	5	8	3	5	10	7	7	20	20	14			

Weekly Measure #: 3

Name: HPV Dose Due (All)

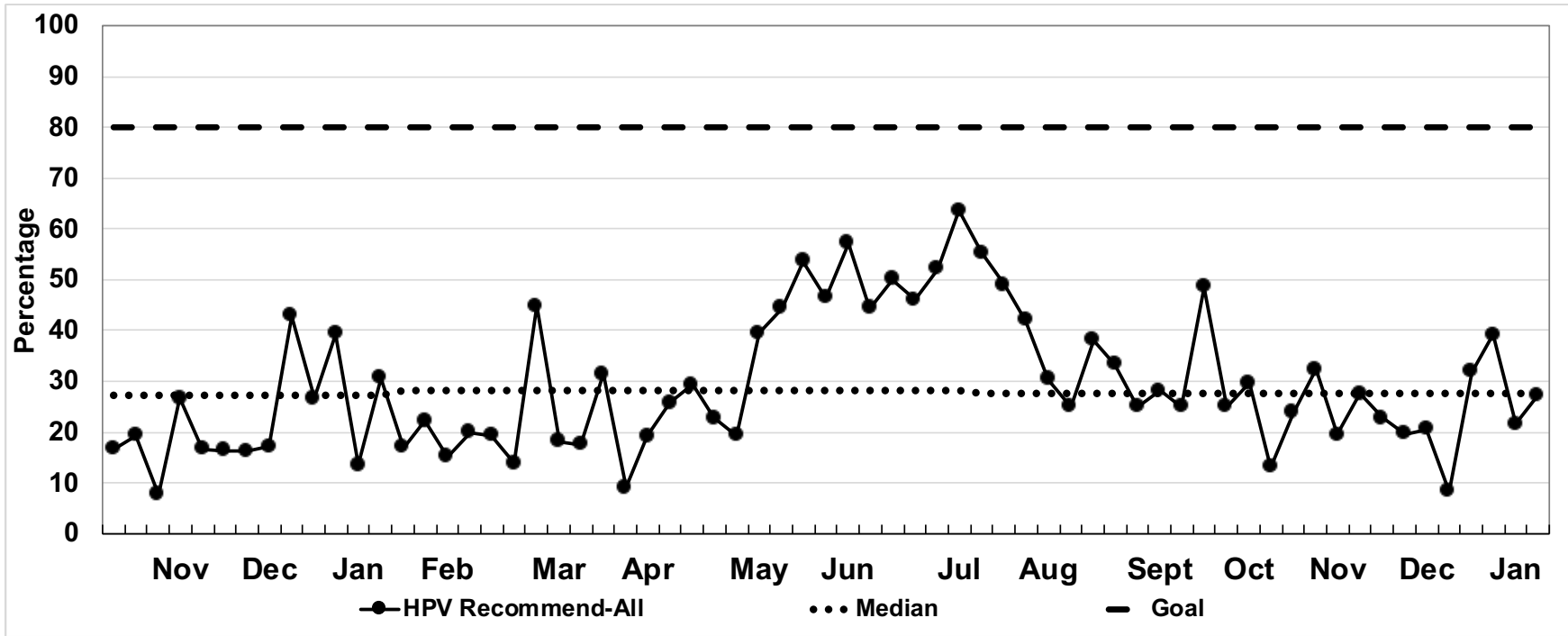
Description: ALL visits with patients up-to-date for HPV vaccine (% of visits with HPV due, ages 11-17)



		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
2017	Complete	4	4	2	9	2	4	6	5	7	2	12	4	5	4	9	10	7	8	9	10	8	8	14	15
	Total	21	38	37	47	60	52	64	49	44	30	39	47	28	48	37	39	159	39	42	44	36	30	47	35
	Percent	19%	11%	5%	19%	3%	8%	9%	10%	16%	7%	31%	9%	18%	8%	24%	26%	4%	21%	21%	23%	22%	27%	30%	43%
2018	Complete	5	1	6	3	1	4	6	9	8	7	7	3	2	8	6	4	4	8	6	8	12	7	9	14
	Total	29	32	26	27	40	53	58	56	45	39	29	32	29	32	25	33	40	31	29	37	52	28	29	31
	Percent	17%	3%	23%	11%	3%	8%	10%	16%	18%	18%	24%	9%	7%	25%	24%	12%	10%	26%	21%	22%	23%	25%	31%	45%
2019	Complete	3	7	4	11	8	9	6	8	6	3	12	4	3	11	2	5	9	9	7	5	12	10	14	11
	Total	15	28	36	49	47	44	46	45	30	29	29	22	34	35	22	25	35	33	35	30	38	27	28	27
	Percent	20%	25%	11%	22%	17%	20%	13%	18%	20%	10%	41%	18%	9%	31%	9%	20%	26%	27%	20%	17%	32%	37%	50%	41%
2020	Complete	####	####	####	####																				
	Total	####	####	####	####																				
	Percent	32%	36%	32%	41%																				

		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
2017	Complete	12	21	12	24	13	9	15	9	9	7	5	11	5	12	10	3	11	17	1	6	8	8	5	2
	Total	40	49	52	76	44	43	51	46	39	25	45	36	38	38	28	20	36	44	30	49	31	50	41	32
	Percent	30%	43%	23%	32%	30%	21%	29%	20%	23%	28%	11%	31%	13%	32%	36%	15%	31%	39%	3%	12%	26%	16%	12%	6%
2018	Complete	14	30	27	33	25	13	9	11	9	5	7	3	7	9	12	11	5	3	4	1	4	4	6	5
	Total	37	51	48	49	44	33	30	40	41	22	30	23	36	30	35	34	30	35	31	26	15	30	49	43
	Percent	38%	59%	56%	67%	57%	39%	30%	28%	22%	23%	23%	13%	19%	30%	34%	32%	17%	9%	13%	4%	27%	13%	12%	12%
2019	Complete	14	17	23	20	23	22	12	13	7	6	5	6	8	9	14	4	7	1	5	10	6	6	20	20

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
2017	Complete	4	4	2	9	2	4	6	5	7	2	13	4	5	4	9	10	7	8	9	10	8	8	14	15
	Total	21	38	37	47	60	52	64	49	44	30	39	47	28	48	37	39	154	39	42	44	36	30	47	35
	Percent	19%	11%	5%	19%	3%	8%	9%	10%	16%	7%	33%	9%	18%	8%	24%	26%	5%	21%	21%	23%	22%	27%	30%	43%
2018	Complete	5	1	7	3	2	7	9	12	9	9	8	3	5	11	7	6	6	9	7	14	14	7	13	17
	Total	29	32	26	27	40	53	58	57	47	39	29	32	29	32	25	33	40	31	29	37	52	28	29	31
	Percent	17%	3%	27%	11%	5%	13%	16%	21%	19%	23%	28%	9%	17%	34%	28%	18%	15%	29%	24%	38%	27%	25%	45%	55%
2019	Complete	4	11	5	15	8	10	7	9	6	4	13	4	6	11	2	5	9	10	8	6	15	12	15	13
	Total	15	28	37	49	47	45	46	45	31	29	29	22	34	35	22	26	35	34	35	31	38	27	28	28
	Percent	27%	39%	14%	31%	17%	22%	15%	20%	19%	14%	45%	18%	18%	31%	9%	19%	26%	29%	23%	19%	39%	44%	54%	46%
2020	Complete	####	####	####	####																				
	Total	####	####	####	####																				
	Percent	32%	41%	36%	55%																				

	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
2017	Complete	12	21	12	24	13	9	15	9	9	7	5	11	6	13	10	3	11	18	4	10	8	9	5	3
	Total	40	49	52	76	44	43	51	46	39	25	45	36	38	38	28	20	36	44	30	49	31	50	41	32
	Percent	30%	43%	23%	32%	30%	21%	29%	20%	23%	28%	11%	31%	16%	34%	36%	15%	31%	41%	13%	20%	26%	18%	12%	9%
2018	Complete	19	32	29	36	28	16	12	13	13	7	8	4	11	10	12	16	7	6	6	2	4	5	8	7
	Total	37	51	48	49	44	33	30	40	41	22	30	23	37	30	35	34	31	36	31	26	15	30	49	43
	Percent	51%	63%	60%	73%	64%	48%	40%	33%	32%	32%	27%	17%	30%	33%	34%	47%	23%	17%	19%	8%	27%	17%	16%	16%
2019	Complete	16	17	25	21	26	24	13	14	9	8	7	8	9	10	16	5	8	3	5	10	7	8	20	20

