Oncology Site of Care Cost Differences & Solutions

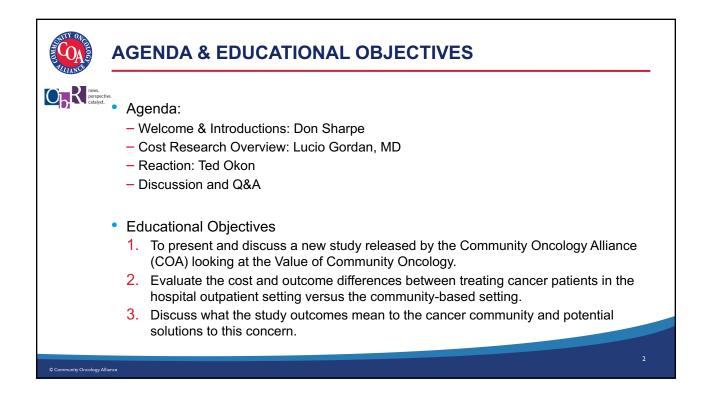
Webinar

Thursday, November 16, 2017



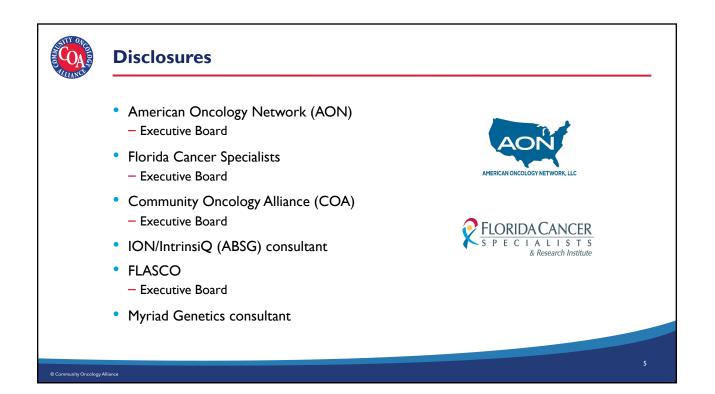


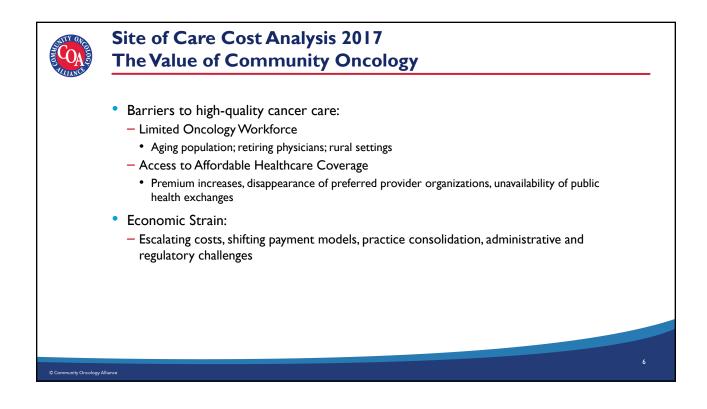
Innovating and Advocating for Community Cancer Care

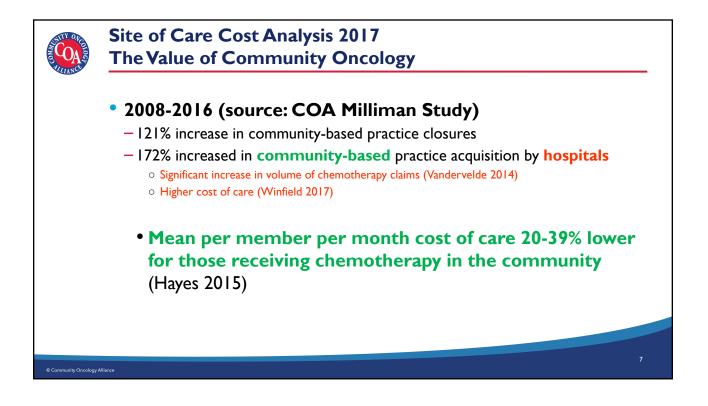


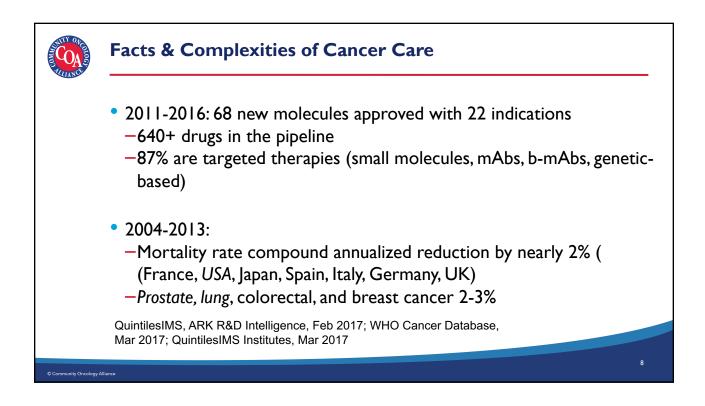


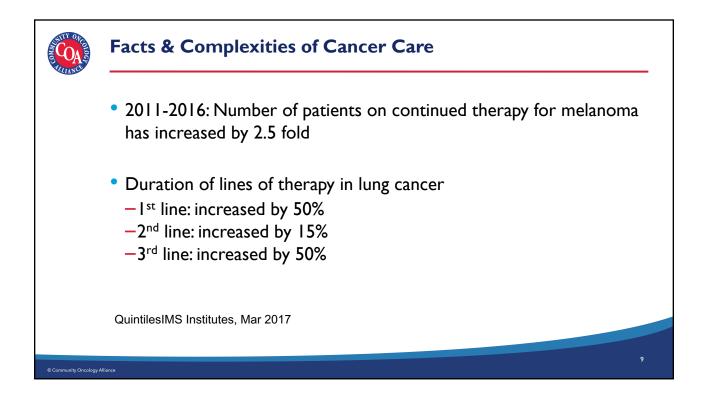


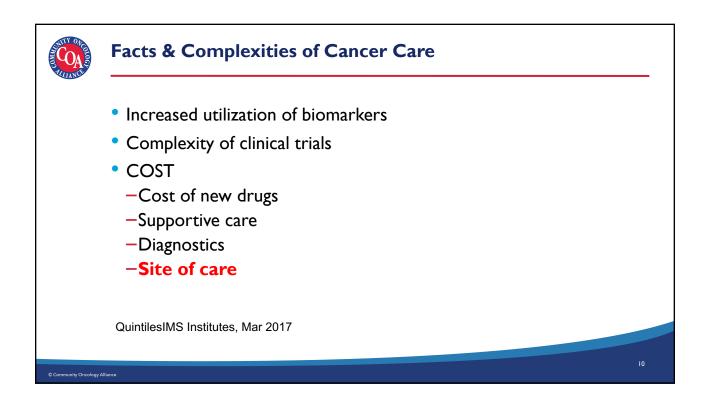


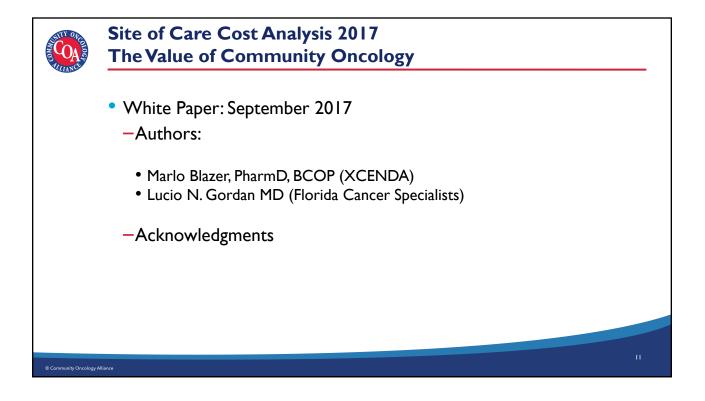


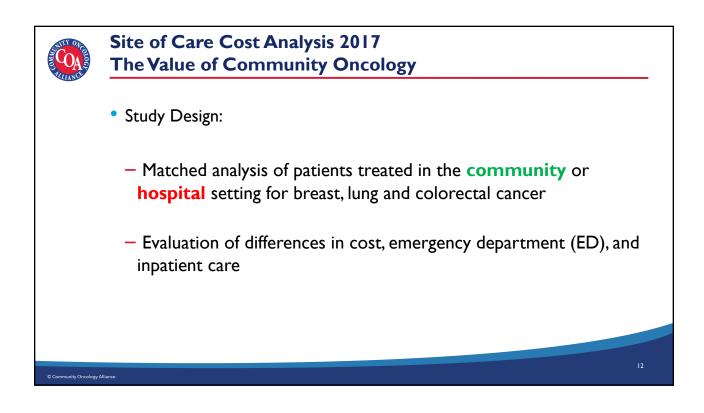


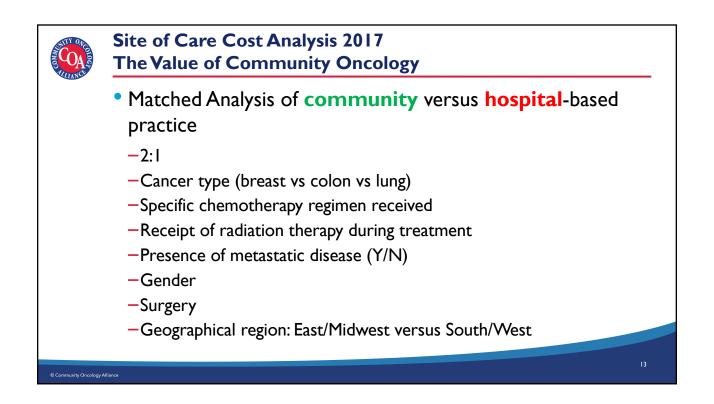


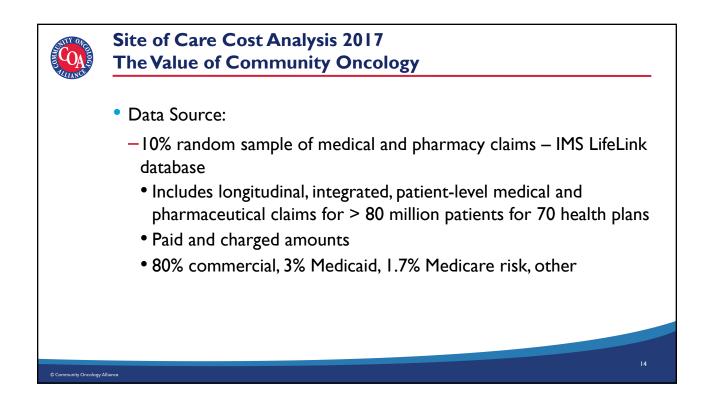


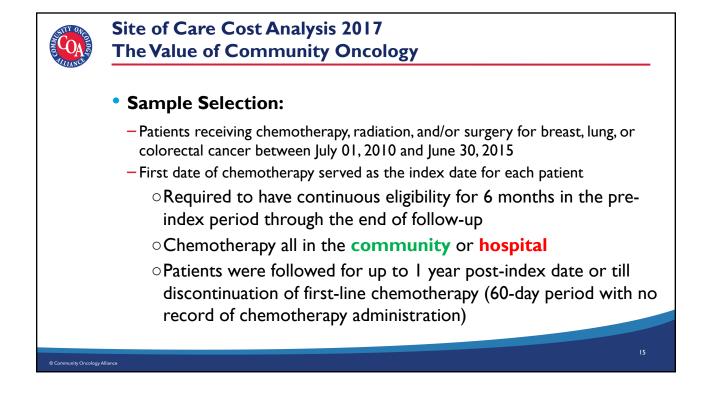


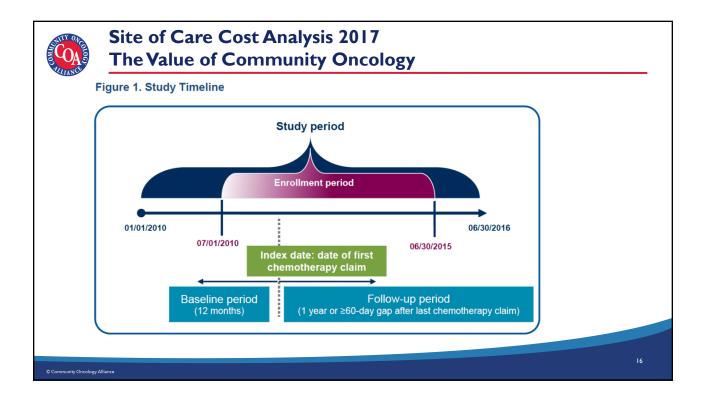












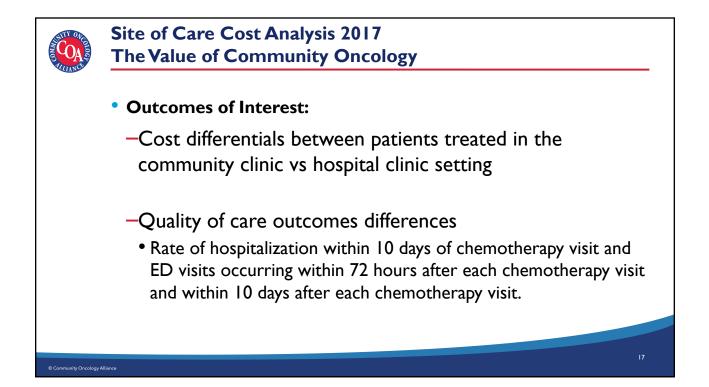


	Table 1. Patient and Disease-related Characteris	tics of All Matched Patients (i	1=6,675)
Results	Characteristic	Community Practice (CC Cohort) N=4,450	Hospital-based Clinic (HC Cohort) N=2,225
	Female gender, n (%)	3,606 (81%)	1,803 (81%)
	Mean age, years (SD)	56 (10)	54.9 (10)
	Age group in years, n (%)		
	<25	12 (0%)	3 (0%)
	25-34	91 (2%)	54 (2%)
	35-44	435 (10%)	303 (14%)
	45-54	1,418 (32%)	662 (30%)
	55-64 65-74	1,714 (39%) 624 (14%)	885 (40%)
	05-74 75-84	156 (4%)	261 (12%) 57 (3%)
	13-04	150 (4%)	57 (5%)
	Geographic region, n (%)		
	East	898 (20%)	627 (28%)
	Midwest	1,716 (39%)	680 (31%)
	South	1,584 (36%) 252 (6%)	748 (34%)
	West	252 (0%)	170 (8%)
	Cancer type, n (%)	2 000 (000)	4 400 (000)
	Breast	2,996 (68%)	1,498 (68%)
	Lung	952 (21%)	476 (21%)
	Colorectal	502 (11%)	251 (11%)
	Presence of metastatic condition, n (%)	2,468 (55%)	1,234 (55%)
	Surgery during pre-index period, n (%)	2,378 (53%)	1,189 (53%)
	Radiation treatment during pre-index period, n (%)	667 (15%)	323 (15%)
	Surgery during pre-index period, n (%)	34 (1%)	16 (1%)
	Radiation treatment during post-index period, n (%)	504 (11%)	252 (11%)
	Required inpatient service, n (%)	504 (11%)	252 (11%)
	Required ED service, n (%)	449 (10%)	292 (13%)
	Mean Charlson comorbidity index, n (SD)	4.7 (2.3)	4.8 (2.4)
	Mean unique drugs prescribed at baseline, n (SD)	4.4 (3.8)	4.3 (3.7)
	Mean chemotherapy agents filled at baseline, n (SD)	7.9 (5.5)	9.1 (6.1)
	Mean eligible days at baseline, n (SD)	180 (0)	180 (0)
	Mean paid medical cost at baseline, n (SD)	\$4,604.10 (\$4,406.00)	\$5,278.40 (\$4,868.80)
	Mean allowed medical cost at baseline, n (SD)	\$5,434.00 (\$4,803.80)	\$6,038.30 (\$5,126.80)
	Mean duration of therapy, days (SD)	99.6 (61.0)	95.7 (57.0)
	Mean total cycles of treatment, n (SD)	5.2 (4.2)	4.8 (4.4)
	Key; ED - emergency department; SD - standard deviation.		

	oto in comm	unity Practic	e vs Hospital	based Practi	ce
	Community Practice N=4,450		Hospital-based Practice N=2,225		<i>P</i> -value
	Mean	SD	Mean	SD	
Mean Total Costs	\$12,548	\$10,507	\$20,060	\$15,502	<0.0001
Total Medical Costs	\$12,103	\$10,504	\$19,471	\$14,559	<0.0001
Chemotherapy	\$4,933	\$4,983	\$8,443	\$10,391	<0.0001
Branded agents only	\$6,674	\$5,046	\$10,900	\$10,712	<0.0001
Generic agents only	\$2,936	\$2,585	\$5,134	\$6,306	<0.0001
Combination regimen ^a	\$11,080	\$5,889	\$19,412	\$13,869	<0.0001
Physician visits	\$765	\$1,607	\$3,316	\$4,399	<0.0001
Radiation	\$1,095	\$4,153	\$1,430	\$4,904	<0.0001
Inpatient	\$1,178	\$6,229	\$1,498	\$7,193	0.0095
ED visits	\$121	\$501	\$168	\$620	<0.0001
Outpatient	\$3,838	\$3,681	\$3,912	\$5,698	<0.0001
Other	\$174	\$2,405	\$704	\$3,353	<0.0001
Total Pharmacy Costs	\$445	\$1,239	\$589	\$1,934	0.2708

Key: ED - emergency department; PPPM - per patient per month; SD - standard deviation.

Results

Table 4. PPPM Total Costs in Community vs Hospital-based Practice Settings for Breast, Lung, and Colorectal Patients

Community Practice N=4,450		Hospital-based Practice N=2,225		<i>P</i> -value	
Mean	SD	Mean	SD		
N=2,996		N=1,498			
\$11,599	\$8,129	\$19,279	\$14, 358	<0.0001	
\$11,139	\$8,139	\$18,667	\$14,403	<0.0001	
\$4,671	\$4,577	\$8,206	\$9,719	<0.0001	
\$5,608	\$4,273	\$9,279	\$7,805	<0.0001	
\$2,982	\$2,275	\$5,084	\$5,591	<0.0001	
\$11,511	\$5,647	\$21,240	\$13,356	<0.0001	
\$820	\$1,813	\$3,499	\$4,564	<0.0001	
\$378	\$1,305	\$440	\$1,493	0.0561	
	N=4, Mean N=2, \$11,599 \$11,139 \$4,671 \$5,608 \$2,982 \$11,511 \$820	N=4,450 Mean SD N=2,996 \$11,599 \$8,129 \$11,139 \$8,139 \$4,671 \$4,577 \$5,608 \$4,273 \$2,982 \$2,275 \$11,511 \$5,647 \$820 \$1,813	N=4,450 N=2 Mean SD Mean N=2,996 N=1 \$11,599 \$8,129 \$19,279 \$11,139 \$8,139 \$18,667 \$4,671 \$4,577 \$8,206 \$5,608 \$4,273 \$9,279 \$2,982 \$2,275 \$5,084 \$11,511 \$5,647 \$21,240 \$820 \$1,813 \$3,499	N=4,450 N=2,225 Mean SD Mean SD N=2,996 N=1,498 \$11,599 \$8,129 \$19,279 \$14,358 \$11,139 \$8,139 \$18,667 \$14,403 \$4,671 \$4,577 \$8,206 \$9,719 \$5,608 \$4,273 \$9,279 \$7,805 \$2,982 \$2,275 \$5,084 \$5,591 \$11,511 \$5,647 \$21,240 \$13,356 \$820 \$1,813 \$3,499 \$4,564	

	Community Practice N=4,450		Hospital-based Practice N=2,225		P-value
	Mean	SD	Mean	SD	
Breast Cancer Patients	N=2,996		N=1,498		
Inpatient	\$735	\$4,230	\$874	\$3,804	0.0415
ED visits	\$120	\$516	\$162	\$638	0.0045
Outpatient	\$4,318	\$3,835	\$4,735	\$6,322	0.2696
Other	\$97	\$718	\$752	\$3,461	<0.0001
Total Pharmacy Costs	\$461	\$1,361	\$612	\$1,699	0.1084

Results

Results

Table 5. Rates of Hospitalizations and ED Visits Among Patients Treated in the Community vs Hospital-based Setting Within 72 Hours and 10 Days of Each Chemotherapy Visit

	Community Practice N=4,450	Hospital-based Practice N=2,225	P-value ^a
72 hours			
ED visits	2.6%	3.6%	0.0055
10 days			
Hospitalizations	7.0%	7.3%	0.6198
ED visits	7.9%	9.8%	0.0022

^aMcNemar's test was used for testing the difference in frequencies.

Key: ED - emergency department.

