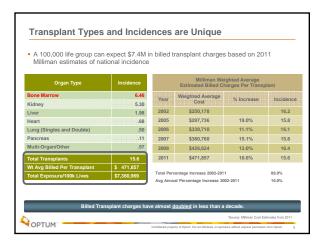
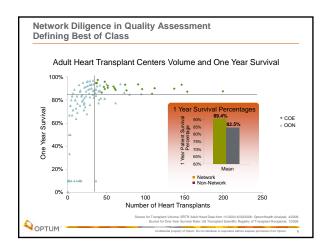
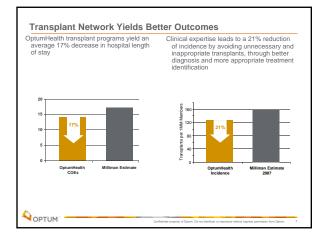


	Millimar	Estimated U	.S. Average 2	011 Billed Cl	harges Per Tra	ansplant		
	Phase 1 30-days pre transplant	Phase 2 Procurement	Phase 3 Hospital	Phase 3 Physician	Phase 4 180 days post transplant	Phase 5 Immuno- suppressants	2011 estimated average cost	2011 estimated volume
BMT-Allo	\$41,400	\$38,900	\$ 419,600	\$22,400	\$259,800	23,300	\$805.400	6,89
BMT-Auto	\$44,600	\$18,200	\$198,200	\$10,800	\$84,900	\$7,100	\$363,800	13,263
Heart	\$47,200	\$80,400	\$834,300	\$67,700	\$137,800	\$30,300	\$997,700	2,16
Heart-Lung	\$56,800	\$130,500	\$777,700	\$81,000	\$169,100	\$33,300	\$1,248,400	31
intestine	\$55,100	\$78,500	\$787,900	\$104,100	\$146,600	\$34,600	\$1,206,800	74
intestine, other organs	\$57,900	\$172,700	\$795,900	\$116,300	\$160,900	\$39,500	\$1,343,200	15
Gdney	\$17,000	\$67,200	\$91,200	\$18,500	\$50,800	\$18,200	\$262,900	16,57
Gdney-Heart	\$48,800	\$123,600	\$813,000	\$93,900	\$184,800	\$32,400	\$1,296,500	68
Kidney-Pancreas	\$20,800	\$102,500	\$194,900	\$34,700	\$100,400	\$21,400	\$474,700	86
Liver	\$25,400	\$71,000	\$316,900	\$46,600	\$93,900	\$23,300	\$577,100	5,89
Liver-Kidney	\$46,800	\$117,500	\$574,100	\$83,100	\$180,100	\$24,400	\$1,026,00	365
Lung-double	\$21,400	\$90,300	\$458,500	\$56,300	\$142,600	\$28,200	\$797,300	1,05
Lung-single	\$10,300	\$73,100	\$302,900	\$33,500	\$117,700	\$23,700	\$561,200	73
Other multi-organ	\$75,400	\$131,000	\$1,050,100	\$139,500	\$278,600	\$32,900	\$1,707,500	43
Pancreas	\$17,00	\$65,000	\$108,900	\$17,800	\$61,400	\$19,300	\$289,400	28
Average	\$39,060	\$90,693	\$501,607	\$61,747	\$144,627	\$26,127	\$863,860	48,45
Average %	4.5%	10.5%	58.1%	7.1%	16.7%	3.0%	100%	
Pancreas Average	\$17,00	\$65,000 <b>\$90,693</b>	\$108,900 \$501,607	\$17,800 \$61,747	\$61,400 <b>\$144,627</b>	\$19,300 \$26,127	\$289,400 \$863,860	4

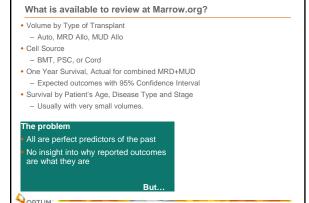


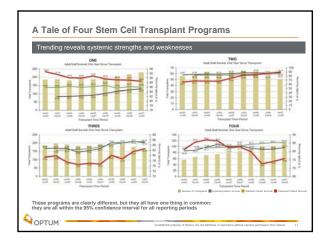




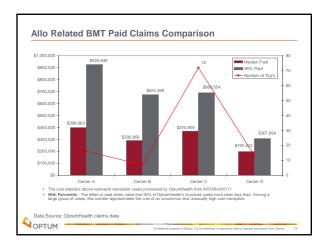


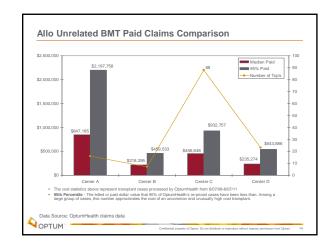


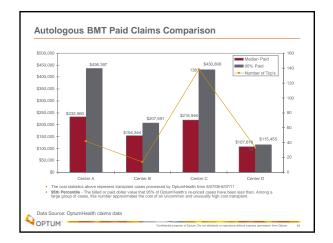


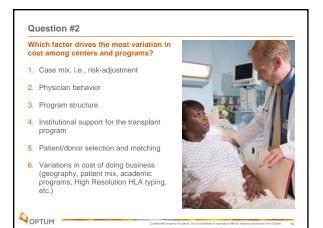


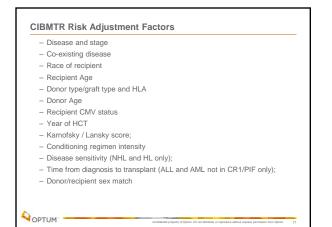
CENTER	#	1 yr. Obs	1 Yr. Exp
Center A	530	*68	58
Center B	16	44	67
Center C	724	*59	54
Center D	198	63	58

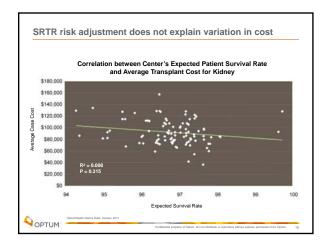












## Question #3

But, today you are the client:

- HMO
- 500,000 commercial members
- About 35 stem cell transplants annually
- 24 Autos x \$360k= \$8.64 M
- 11 Allos x \$805k= \$8.85 M
- A and B approximately the same travel time for most of your membership

## You have to make a choice. Which program do you choose?

- Program A
- Program B



Input Parameters		Output of Query				
input rarameters		Stem Cell Transplant Program Attributes	A	В		
Transplant type:	Kidnev	Distance to center		•		
Age range: Meets COE:	Adult Yes	Program integration	•	0		
		One year patient survival - predicted (%)		•		
		One year patient survival - observed (%)				
No floor contract:	Yes	One year patient survival trend		Ó		
Housing:	Yes	Five year volume	•			
Client ZIP Code:	99983	Volume trend				
Search radius (select one): 25		Dedicated transplant housing on-campus				
		Time from referral to start of evaluation				
• 50		Time from start of evaluation to Transplant		0		
0 100		Time from donor searches to Harvest	•	- 0		
0 250		Degree of donor mismatches	•	0		
0 200		Complications during transplant admission				
<ul> <li>National</li> </ul>		Readmissions first year post-transplant	•	0		
		Rate of acute/chronic GVHD		- 0		
	KEY	QOL one year, two years and three years		Q		
		Median billed charges (% OptumHealth national average)	•	- 0		
	Strongly positive	Variation in billed charges				
	Positive	FACT Accreditation				
	Neutral	Total cost of health care from referral to three years post-transplant	•	- 0		
	Negative	Billed charges compared to Medicare economic adjustment				
	Strongly negative	Overall Value	0	ā		

Thank you		
Contact information		
Jon R. Friedman, MD National Medical Director, Transplanta 714-228-8665 Jon.friedman@optum.com		