

Table 3 DBT value analysis results

	Base-case analysis		Range analysis		
	Follow-up services rate for FFDM = 15.35% and FFDM + DBT = 10.00%	Follow-up services rate for FFDM = 15.35% and FFDM + DBT = 8.00%	Follow-up services rate for FFDM = 15.35% and FFDM + DBT = 9.00%	Follow-up services rate for FFDM = 15.35% and FFDM + DBT = 11.00%	Follow-up services rate for FFDM = 15.35% and FFDM + DBT = 12.00%
Patients utilizing follow-up services					
Current scenario with FFDM	12,978	12,978	12,978	12,978	12,978
Revised scenario with FFDM + DBT	8,455	6,764	7,609	9,300	10,146
Difference (number of follow-ups averted due to use of DBT)	4,523	6,214	5,369	3,678	2,832
Total costs					
Current scenario with FFDM	\$54,629,680	\$54,629,680	\$54,629,680	\$54,629,680	\$54,629,680
Revised scenario with FFDM + DBT	\$52,217,368	\$50,179,239	\$51,198,303	\$53,236,432	\$54,255,497
Difference (total costs savings due to use of DBT)	\$2,412,312	\$4,450,441	\$3,431,376	\$1,393,247	\$374,183
Additional expense of DBT for screening	-\$4,227,466	-\$4,227,466	-\$4,227,466	-\$4,227,466	-\$4,227,466
Attributable to reduction in follow-ups	\$5,451,994	\$7,490,123	\$6,471,059	\$4,432,930	\$3,413,866
Attributable to earlier detection of breast cancer	\$1,187,783	\$1,187,783	\$1,187,783	\$1,187,783	\$1,187,783
Per patient costs					
Current scenario with FFDM	\$646.13	\$646.13	\$646.13	\$646.13	\$646.13
Revised scenario with FFDM + DBT	\$617.60	\$593.49	\$605.54	\$629.65	\$641.70
Difference (total costs savings due to use of DBT)	\$28.53	\$52.64	\$40.58	\$16.48	\$4.43
Additional expense of DBT for screening	-\$50.00	-\$50.00	-\$50.00	-\$50.00	-\$50.00
Attributable to reduction in follow-ups	\$64.48	\$88.59	\$76.54	\$52.43	\$40.38
Attributable to earlier detection of breast cancer	\$14.05	\$14.05	\$14.05	\$14.05	\$14.05
Per member, per month costs					
Current scenario with FFDM	\$4.55	\$4.55	\$4.55	\$4.55	\$4.55
Revised scenario with FFDM + DBT	\$4.35	\$4.18	\$4.27	\$4.44	\$4.52
Difference (savings PMPM due to use of DBT)	\$0.20	\$0.37	\$0.29	\$0.12	\$0.03

Abbreviations: DBT, digital breast tomosynthesis; FFDM, full field digital mammography; PMPM, per member, per month.