Device Survival Summary (95% Confidence Interval)

The following table shows IPG device survival estimates with 95% confidence intervals. Estimates are shown both with and without normal battery depletions included.

Family	Model Number	US Market Release	Registered US Implants	Estimated Active US Implants	Normal Battery Depletions (US)	Malfunctions (US)						Device Survival Probability (%)											
						Therapy Function Compromised		Therapy Function Not Compromised		Total		Years After Implant											
												1 yr	2 yr	3 yr	4 yr	5 yr	6 yr	7 yr	8 yr	10 yr	12 yr	14 yr	16 yr
Adapta DR	ADDR01, ADDR03, ADDR06, ADD01	Jul-06	116,000	104,000	1	4	+	6	=	10	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 27 mo									
											Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 27 mo									
Adapta DR	ADDRL1	Jul-06	11,000	10,000	0	0	+	0	=	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0										
											Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0										
Adapta DR	ADDRS1	Jul-06	10,000	9,000	1	1	+	0	=	1	Excluding Normal Battery Depletion	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1 at 26 mo									
											Including Normal Battery Depletion	100.0 +0.0/-0.1	99.9 +0.1/-0.2	99.9 +0.1/-0.2 at 26 mo									
Adapta SR	ADSR01, ADSR03, ADSR06	Jul-06	22,000	19,000	1	0	+	0	=	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 26 mo									
											Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.1	100.0 +0.0/-0.1 at 26 mo									
Adapta VDD	ADVDD01	Jul-06	400	400	0	0	+	0	=	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 16 mo										
											Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.1 at 16 mo										
AT500	AT501, 7253	Mar-03	11,000	5,000	481	5	+	5	=	10	Excluding Normal Battery Depletion	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	99.9 +0.1/-0.1	99.9 +0.1/-0.1	99.9 +0.1/-0.1 at 67 mo						
	See page 163 – Performance note on AT500 Pacing System Follow-Up Protocol										Including Normal Battery Depletion	99.9 +0.0/-0.1	99.9 +0.1/-0.1	99.5 +0.1/-0.2	97.5 +0.3/-0.4	83.8 +1.2/-1.3	57.2 +4.1/-4.3 at 67 mo						
EnPulse DR	E1DR01, E1DR03, E1DR06	Dec-03	7,000	4,000	26	0	+	1	=	1	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1 at 59 mo							
											Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.1/-0.1	99.2 +0.2/-0.3	98.7 +0.3/-0.4 at 59 mo							
EnPulse DR	E1DR21	Dec-03	2,000	1,000	23	0	+	0	=	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 57 mo							
											Including Normal Battery Depletion	100.0 +0.0/-0.0	99.7 +0.2/-0.5	99.0 +0.4/-0.7	96.8 +0.9/-1.2	95.9 +1.1/-1.4 at 57 mo							

continued

Device Survival Summary continued

Family	Model Number	US Market Release	Registered US Implants	Estimated Active US Implants	Normal Battery Depletions (US)	Malfunctions (US)						Device Survival Probability (%)											
						Therapy Function Compromised		Therapy Function Not Compromised		Total		Years After Implant											
												1 yr	2 yr	3 yr	4 yr	5 yr	6 yr	7 yr	8 yr	10 yr	12 yr	14 yr	16 yr
EnPulse 2 DR	E2DR01, E2DR03, E2DR06	Feb-04	101,000	70,000	81	3	+	10	=	13	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 56 mo							
											Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.6 +0.1/-0.1	99.2 +0.2/-0.4 at 56 mo							
EnPulse 2 DR	E2DR21	Feb-04	12,000	8,000	48	1	+	0	=	1	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1 at 54 mo							
											Including Normal Battery Depletion	99.9 +0.0/-0.1	99.7 +0.1/-0.1	99.4 +0.1/-0.2	97.6 +0.5/-0.7	97.3 +0.6/-0.7 at 54 mo							
EnPulse 2 DR	E2DR31, E2DR33	Feb-04	1,000	400	0	0	+	0	=	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 43 mo								
											Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 43 mo								
EnPulse 2 SR	E2SR01, E2SR03, E2SR06	Dec-03	25,000	15,000	42	1	+	2	=	3	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 57 mo							
											Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.6 +0.1/-0.1	99.1 +0.2/-0.3	98.5 +0.4/-0.5 at 57 mo							
EnPulse 2 VDD	E2VDD01	Dec-03	1,000	500	1	0	+	0	=	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 45 mo								
											Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	98.5 +1.1/-4.4 at 45 mo								
EnRhythm DR	P1501DR	May-05	78,000	62,000	4	25	+	5	=	30	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0 at 43 mo								
											Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0 at 43 mo								
Kappa 400 DR	KDR401, KDR403	Jan-98	47,000	5,000	5,271	9	+	13	=	22	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0 at 101 mo			
											Including Normal Battery Depletion	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.8 +0.0/-0.1	99.6 +0.1/-0.1	99.0 +0.1/-0.1	97.2 +0.2/-0.2	87.9 +0.5/-0.5	53.0 +0.9/-1.0	14.2 +1.2/-1.2 at 101 mo			
Kappa 400 SR	KSR401, KSR403	Feb-98	15,000	2,000	870	1	+	4	=	5	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1 at 111 mo			
											Including Normal Battery Depletion	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.8 +0.1/-0.1	99.5 +0.1/-0.2	99.2 +0.2/-0.2	97.8 +0.3/-0.4	92.9 +0.7/-0.8	70.3 +1.6/-1.7	20.3 +2.8/-2.6 at 111 mo			

continued

Source: Medtronic Device Registration and Returned Product Analysis
Data as of January 31, 2009

Device Survival Summary continued

Family	Model Number	US Market Release	Registered US Implants	Estimated Active US Implants	Normal Battery Depletions (US)	Malfunctions (US) Therapy Function Compromised	+	Therapy Function Not Compromised	=	Total		Device Survival Probability (%) Years After Implant 1 yr	2 yr	3 yr	4 yr	5 yr	6 yr	7 yr	8 yr	10 yr	12 yr	14 yr	16 yr
Kappa 600 DR	KDR601, KDR603, KDR606	Jan-99	24,000	2,000	2,417	30	+	3	=	33	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.8 +0.1/-0.1	99.7 +0.1/-0.1	99.7 +0.1/-0.1 at 106 mo			
	Advisories: See page 154 – 2002 Potential Fractured Power Supply Wires					(12)	+	(0)	=	(12) (advisory-related subset)	Including Normal Battery Depletion	99.9 +0.0/-0.0	99.9 +0.0/-0.1	99.8 +0.1/-0.1	99.5 +0.1/-0.1	98.8 +0.2/-0.2	96.8 +0.3/-0.3	87.9 +0.6/-0.6	58.9 +1.1/-1.1	15.5 +1.8/-1.7 at 106 mo			
Kappa 600 DR	KDR651, KDR653	Mar-01	14,000	5,000	569	17	+	2	=	19	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	100.0 +0.0/-0.1	99.9 +0.0/-0.1	99.7 +0.1/-0.2	99.2 +0.5/-1.5 at 90 mo				
	Advisories: See page 154 – 2002 Potential Fractured Power Supply Wires					(1)	+	(0)	=	(1) (advisory-related subset)	Including Normal Battery Depletion	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.8 +0.1/-0.1	99.4 +0.1/-0.2	98.1 +0.3/-0.3	94.8 +0.5/-0.5	81.4 +1.1/-1.2	66.8 +2.8/-3.0 at 90 mo				
Kappa 700 D	KD701, KD703, KD706	Jan-99	300	100	11	0	+	0	=	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0					
	Advisories: See page 154 – 2002 Potential Fractured Power Supply Wires					(0)	+	(0)	=	(0) (advisory-related subset)	Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.0 +0.8/-3.1	97.8 +1.4/-3.5	95.3 +2.3/-4.5	93.8 +2.9/-5.1					
Kappa 700 DR	KDR701, KDR703, KDR706	Feb-99	192,000	54,000	12,539	323	+	28	=	351	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.8 +0.0/-0.0	99.6 +0.0/-0.0	99.5 +0.1/-0.1	99.5 +0.1/-0.1 at 105 mo			
	Advisories: See page 154 – 2002 Potential Fractured Power Supply Wires					(133)	+	(0)	=	(133) (advisory-related subset)	Including Normal Battery Depletion	99.9 +0.0/-0.0	99.8 +0.0/-0.0	99.7 +0.0/-0.0	99.2 +0.0/-0.0	98.2 +0.1/-0.1	95.3 +0.1/-0.1	84.6 +0.3/-0.3	54.6 +0.5/-0.6	9.4 +0.8/-0.8 at 105 mo			
Kappa 700 DR	KDR721	Feb-99	10,000	100	1,237	4	+	1	=	5	Excluding Normal Battery Depletion	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1					
	Advisories: See page 154 – 2002 Potential Fractured Power Supply Wires					(4)	+	(0)	=	(4) (advisory-related subset)	Including Normal Battery Depletion	99.9 +0.0/-0.1	99.7 +0.1/-0.2	98.9 +0.2/-0.3	96.8 +0.4/-0.5	91.1 +0.7/-0.8	68.8 +1.4/-1.5	20.0 +2.2/-2.1					
Kappa 700 SR	KSR701, KSR703, KSR706	Feb-99	55,000	13,000	2,265	14	+	3	=	17	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.1/-0.1 at 108 mo			
											Including Normal Battery Depletion	99.9 +0.0/-0.0	99.8 +0.0/-0.0	99.5 +0.1/-0.1	98.8 +0.1/-0.1	97.4 +0.2/-0.2	94.0 +0.3/-0.3	85.2 +0.6/-0.6	62.0 +1.1/-1.2	24.0 +2.6/-2.5 at 108 mo			
Kappa 700 VDD	KVDD701	Jan-99	2,000	100	149	3	+	0	=	3	Excluding Normal Battery Depletion	99.9 +0.1/-0.4	99.9 +0.1/-0.4	99.9 +0.1/-0.4	99.8 +0.1/-0.5	99.8 +0.1/-0.5	99.7 +0.2/-0.6	99.7 +0.2/-0.6	99.7 +0.2/-0.6 at 92 mo				
	Advisories: See page 154 – 2002 Potential Fractured Power Supply Wires					(3)	+	(0)	=	(3)	Including Normal Battery Depletion	99.7 +0.2/-0.4	99.7 +0.2/-0.4	99.4 +0.3/-0.6	98.9 +0.5/-0.8	98.5 +0.6/-0.9	94.3 +1.3/-1.7	69.7 +3.4/-3.7	45.8 +5.1/-5.3 at 92 mo				

continued

Device Survival Summary continued

Family	Model Number	US Market Release	Registered US Implants	Estimated Active US Implants	Normal Battery Depletions	Malfunctions: Therapy Function Compromised	+	Therapy Function Not Compromised	=	Total		Device Survival Probability (%) Years After Implant: 1 yr	2 yr	3 yr	4 yr	5 yr	6 yr	7 yr	8 yr	10 yr	12 yr	14 yr	16 yr
Kappa 800 DR	KDR801, KDR803	Jan-02	4,000	2,000	27	1	+	0	=	1	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.1/-0.6	99.9 +0.1/-0.6 at 75 mo					
											Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.1/-0.2	99.8 +0.1/-0.2	99.6 +0.2/-0.3	98.6 +0.4/-0.5	97.2 +0.7/-1.0	96.0 +1.4/-2.2 at 75 mo					
Kappa 900 DR	KDR901, KDR903, KDR906	Jan-02	125,000	70,000	907	24	+	12	=	36	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.1 at 82 mo					
											Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.8 +0.0/-0.0	99.5 +0.0/-0.1	98.6 +0.1/-0.1	96.1 +0.2/-0.2	87.3 +1.3/-1.5 at 82 mo					
Kappa 900 SR	KSR901, KSR903, KSR906	Jan-02	37,000	17,000	240	3	+	8	=	11	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.8 +0.1/-0.5 at 81 mo					
											Including Normal Battery Depletion	99.9 +0.0/-0.0	99.8 +0.0/-0.1	99.7 +0.1/-0.1	99.0 +0.1/-0.2	97.5 +0.3/-0.3	95.1 +0.5/-0.6	88.9 +2.1/-2.6 at 81 mo					
Kappa 900 VDD	KVDD901	Jan-02	1,000	300	9	0	+	0	=	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 70 mo						
											Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.0 +0.6/-1.7	97.5 +1.2/-2.5	93.5 +2.8/-4.8 at 70 mo						
Kappa 920 DR	KDR921	Jan-02	16,000	6,000	902	3	+	0	=	3	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	99.9 +0.1/-0.2	99.9 +0.1/-0.2 at 77 mo					
											Including Normal Battery Depletion	99.9 +0.0/-0.1	99.7 +0.1/-0.1	99.2 +0.1/-0.2	97.2 +0.3/-0.3	90.9 +0.6/-0.7	58.9 +1.9/-2.0	35.8 +3.4/-3.3 at 77 mo					
Legend	8416, 8417, 8417M, 8418, 8419	Aug-89	57,000	2,000	2,900	—		—		143	Excluding Normal Battery Depletion	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.8 +0.0/-0.0	99.8 +0.0/-0.0	99.7 +0.0/-0.1	99.7 +0.1/-0.1	99.6 +0.1/-0.1	99.6 +0.1/-0.1	99.6 +0.1/-0.1	99.6 +0.1/-0.1	99.6 +0.1/-0.1	99.6 +0.1/-0.1 at 217 mo
											Including Normal Battery Depletion	99.9 +0.0/-0.0	99.7 +0.0/-0.1	99.3 +0.1/-0.1	98.9 +0.1/-0.1	98.2 +0.1/-0.1	97.1 +0.2/-0.2	94.6 +0.3/-0.3	90.5 +0.4/-0.4	81.3 +0.6/-0.6	72.6 +0.7/-0.7	63.1 +0.9/-0.9	40.2 +2.5/-2.5 at 217 mo
Legend II	8424, 8426, 8427	Nov-91	59,000	4,000	2,203	—		—		36	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0 at 200 mo
											Including Normal Battery Depletion	99.9 +0.0/-0.0	99.7 +0.0/-0.0	99.5 +0.1/-0.1	99.1 +0.1/-0.1	98.8 +0.1/-0.1	98.1 +0.1/-0.2	97.1 +0.2/-0.2	94.7 +0.3/-0.3	88.9 +0.4/-0.4	82.5 +0.6/-0.6	71.6 +0.9/-0.9	55.3 +2.2/-2.3 at 200 mo

continued

Source: Medtronic Device Registration and Returned Product Analysis
Data as of January 31, 2009

Device Survival Summary continued

Family	Model Number	US Market Release	Registered US Implants	Estimated Active US Implants	Normal Battery Depletions	Malfunctions: Therapy Function Compromised	Malfunctions: Therapy Function Not Compromised	Malfunctions: Total		Device Survival Probability (%) Years After Implant: 1 yr	2 yr	3 yr	4 yr	5 yr	6 yr	7 yr	8 yr	10 yr	12 yr	14 yr	16 yr
Minix/ Minix ST	8330, 8331, 8331M, 8340, 8341, 8341M, 8342	Dec-89	58,000	4,000	1,594	—	—	49	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0 at 233 mo
	Advisories: See page 159 – 1991 Potential Delayed Restoration of Permanent Settings					—	—	—	Including Normal Battery Depletion	99.9 +0.0/-0.0	99.7 +0.0/-0.0	99.5 +0.1/-0.1	99.2 +0.1/-0.1	98.6 +0.1/-0.1	97.6 +0.2/-0.2	95.1 +0.3/-0.3	91.8 +0.4/-0.4	87.0 +0.5/-0.5	83.6 +0.6/-0.6	80.4 +0.7/-0.7	71.7 +1.6/-1.7 at 233 mo
Minuet	7107, 7108	Mar-92	17,000	1,000	762	—	—	4	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1 at 195 mo
									Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.8 +0.1/-0.1	99.5 +0.1/-0.1	98.9 +0.2/-0.2	98.2 +0.2/-0.3	96.9 +0.3/-0.4	94.7 +0.5/-0.5	89.2 +0.7/-0.8	81.9 +1.0/-1.1	69.0 +1.5/-1.6	51.8 +3.0/-3.1 at 195 mo
Preva DR	7088, 7089	Jul-96	26,000	3,000	1,828	—	—	4	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	100.0 +0.0/-0.1 at 141 mo		
									Including Normal Battery Depletion	99.9 +0.0/-0.0	99.8 +0.0/-0.1	99.6 +0.1/-0.1	99.4 +0.1/-0.1	98.8 +0.2/-0.2	97.9 +0.2/-0.2	96.3 +0.3/-0.3	92.5 +0.5/-0.5	67.4 +1.1/-1.1	25.8 +2.3/-2.3 at 141 mo		
Preva SR	8088, 8089	Jul-96	18,000	2,000	687	—	—	1	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1	100.0 +0.0/-0.1 at 141 mo		
									Including Normal Battery Depletion	99.9 +0.0/-0.1	99.8 +0.1/-0.1	99.5 +0.1/-0.1	99.1 +0.2/-0.2	98.4 +0.2/-0.3	97.3 +0.3/-0.4	94.9 +0.5/-0.5	92.2 +0.6/-0.7	75.9 +1.4/-1.4	46.4 +3.4/-3.5 at 141 mo		
Prevail S	8085, 8086	Oct-95	4,000	1,000	38	—	—	1	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.1/-0.4	99.9 +0.1/-0.4	99.9 +0.1/-0.4	99.9 +0.1/-0.4	99.9 +0.1/-0.4	99.9 +0.1/-0.4 at 141 mo		
									Including Normal Battery Depletion	99.9 +0.1/-0.2	99.9 +0.1/-0.2	99.8 +0.1/-0.2	99.8 +0.1/-0.2	99.1 +0.4/-0.6	98.9 +0.4/-0.7	98.1 +0.6/-0.9	97.2 +0.8/-1.2	93.5 +1.5/-2.0	89.7 +2.2/-2.8 at 141 mo		
Prodigy D	7864, 7865, 7866	Oct-95	3,000	300	160	—	—	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 139 mo		
									Including Normal Battery Depletion	99.9 +0.1/-0.2	99.7 +0.2/-0.3	99.4 +0.3/-0.4	98.8 +0.4/-0.6	98.6 +0.4/-0.6	97.6 +0.6/-0.8	96.8 +0.8/-1.0	95.1 +1.0/-1.3	75.2 +2.9/-3.2	52.9 +4.6/-4.9 at 139 mo		
Prodigy DR	7860, 7861, 7862	Oct-95	38,000	4,000	2,522	—	—	11	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 140 mo		
									Including Normal Battery Depletion	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.7 +0.1/-0.1	99.4 +0.1/-0.1	98.8 +0.1/-0.1	98.0 +0.2/-0.2	96.4 +0.3/-0.3	92.5 +0.4/-0.4	67.9 +0.9/-0.9	23.8 +2.3/-2.3 at 140 mo		

continued

Source: Medtronic Device Registration and Returned Product Analysis
Data as of January 31, 2009

Device Survival Summary continued

Family	Model Number	US Market Release	Registered US Implants	Estimated Active US Implants	Normal Battery Depletions	Malfunctions: Therapy Function Compromised	Malfunctions: Therapy Function Not Compromised	Malfunctions: Total		Device Survival Probability (%) Years After Implant: 1 yr	2 yr	3 yr	4 yr	5 yr	6 yr	7 yr	8 yr	10 yr	12 yr	14 yr	16 yr
Prodigy S	8164, 8165, 8166	Oct-95	2,000	300	41	—	—	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 139 mo		
									Including Normal Battery Depletion	99.8 +0.1/-0.3	99.8 +0.1/-0.3	99.7 +0.2/-0.4	99.1 +0.4/-0.7	99.1 +0.4/-0.7	99.1 +0.4/-0.7	98.8 +0.5/-0.9	97.2 +1.0/-1.5	89.6 +2.3/-3.0	80.0 +4.3/-5.2 at 139 mo		
Prodigy SR	8158, 8160, 8161, 8162	Oct-95	22,000	3,000	836	—	—	4	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 145 mo	
									Including Normal Battery Depletion	99.8 +0.1/-0.1	99.6 +0.1/-0.1	99.3 +0.1/-0.1	98.8 +0.2/-0.2	98.0 +0.2/-0.3	97.0 +0.3/-0.3	95.3 +0.4/-0.4	92.2 +0.6/-0.6	74.9 +1.3/-1.3	50.6 +3.0/-3.1	49.7 +3.2/-3.2 at 145 mo	
Sensia DR	SEDR01, SED01	Jul-06	42,000	37,000	0	1 + 0 =		1	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 26 mo									
									Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 26 mo									
Sensia SR	SESR01, SES01	Jul-06	26,000	22,000	1	0 + 0 =		0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 26 mo									
									Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.2	99.9 +0.0/-0.2 at 26 mo									
Sigma 100 S	SS103, SS106	Aug-99	1,000	200	5	0 + 0 =		0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 87 mo				
	Advisories: See page 152 – 2005 Potential Separation of Interconnect Wires					(0) + (0) = (advisory-related subset)		(0)	Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.6 +0.3/-1.3	99.6 +0.3/-1.3	98.7 +0.8/-2.3	98.7 +0.8/-2.3	97.5 +1.5/-3.4	97.5 +1.5/-3.4				
Sigma 200 DR	SDR203	Aug-99	16,000	6,000	117	5 + 1 =		6	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1 at 107 mo			
	Advisories: See page 152 – 2005 Potential Separation of Interconnect Wires					(1) + (0) = (advisory-related subset)		(1)	Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.8 +0.1/-0.1	99.6 +0.1/-0.2	99.1 +0.2/-0.2	97.8 +0.4/-0.4	94.4 +0.8/-0.9	90.5 +1.5/-1.8			
Sigma 200 SR	SSR203	Sep-99	12,000	4,000	65	6 + 0 =		6	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.1/-0.2	99.9 +0.1/-0.2	99.9 +0.1/-0.2	99.9 +0.1/-0.2 at 106 mo			
	Advisories: See page 152 – 2005 Potential Separation of Interconnect Wires					(3) + (0) =		(3)	Including Normal Battery Depletion	100.0 +0.0/-0.1	99.9 +0.1/-0.1	99.8 +0.1/-0.1	99.7 +0.1/-0.2	99.3 +0.2/-0.3	98.7 +0.3/-0.4	97.3 +0.5/-0.6	95.6 +0.8/-1.0	90.8 +2.0/-2.5 at 106 mo			

continued

Device Survival Summary continued

Family	Model Number	US Market Release	Registered US Implants	Estimated Active US Implants	Normal Battery Depletions	Malfunctions: Therapy Function Compromised	Malfunctions: Therapy Function Not Compromised	Malfunctions: Total		Device Survival Probability (%) Years After Implant: 1 yr	2 yr	3 yr	4 yr	5 yr	6 yr	7 yr	8 yr	10 yr	12 yr	14 yr	16 yr
Sigma 300 DR	SDR303, SDR306	Aug-99	107,000	53,000	394	71	5	76	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.8 +0.0/-0.0	99.8 +0.0/-0.0	99.8 +0.0/-0.0 at 109 mo			
	Advisories: See page 152 – 2005 Potential Separation of Interconnect Wires					(15)	(0)	(15) (advisory-related subset)	Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.7 +0.0/-0.0	99.4 +0.1/-0.1	99.0 +0.1/-0.1	98.1 +0.2/-0.2	96.1 +0.3/-0.4	90.7 +1.7/-2.1 at 109 mo			
Sigma 300 SR	SSR303, SSR306	Sep-99	54,000	20,000	191	13	2	15	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1	99.9 +0.0/-0.1 at 107 mo			
	Advisories: See page 152 – 2005 Potential Separation of Interconnect Wires					(4)	(0)	(4) (advisory-related subset)	Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.8 +0.0/-0.1	99.7 +0.1/-0.1	99.4 +0.1/-0.1	98.6 +0.2/-0.2	97.7 +0.3/-0.3	94.9 +0.6/-0.7	88.9 +2.2/-2.8 at 107 mo			
Sigma 300 VDD	SVDD303	Sep-99	1,000	200	5	0	0	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 87 mo				
	Advisories: See page 152 – 2005 Potential Separation of Interconnect Wires					(0)	(0)	(0) (advisory-related subset)	Including Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.4 +0.4/-1.7	98.7 +0.8/-2.1	97.6 +1.4/-3.1	97.6 +1.4/-3.1 at 87 mo				
Thera-i D	7964i, 7965i, 7966i	Oct-95	3,000	300	195	—	—	1	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.2	100.0 +0.0/-0.2	100.0 +0.0/-0.2	100.0 +0.0/-0.2	100.0 +0.0/-0.2	100.0 +0.0/-0.2	100.0 +0.0/-0.2	100.0 +0.0/-0.2	100.0 +0.0/-0.2 at 143 mo		
									Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.1/-0.2	99.5 +0.2/-0.4	99.3 +0.3/-0.4	98.9 +0.4/-0.5	97.4 +0.6/-0.8	96.2 +0.8/-1.0	93.8 +1.1/-1.4	79.2 +2.4/-2.6	47.2 +4.5/-4.7 at 143 mo		
Thera-i DR	7960i, 7961i, 7962i	Oct-95	122,000	7,000	10,066	—	—	50	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0	99.9 +0.0/-0.0 at 140 mo		
									Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.7 +0.0/-0.0	99.4 +0.0/-0.1	99.0 +0.1/-0.1	98.1 +0.1/-0.1	96.6 +0.1/-0.1	92.8 +0.2/-0.2	68.7 +0.5/-0.5	9.0 +1.0/-0.9 at 140 mo		
Thera-i DR	7968i	Jul-96	4,000	100	295	—	—	3	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	99.9 +0.1/-0.2	99.9 +0.1/-0.2	99.9 +0.1/-0.2	99.9 +0.1/-0.2	99.9 +0.1/-0.2	99.9 +0.1/-0.2	99.9 +0.1/-0.2 at 119 mo			
									Including Normal Battery Depletion	100.0 +0.0/-0.0	99.8 +0.1/-0.2	99.5 +0.2/-0.3	98.6 +0.4/-0.6	97.0 +0.6/-0.8	94.0 +1.0/-1.1	88.7 +1.4/-1.6	75.9 +2.3/-2.5	37.8 +4.3/-4.3 at 119 mo			
Thera-i S	8964i, 8965i, 8966i	Oct-95	4,000	500	84	—	—	1	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.3	100.0 +0.0/-0.3	100.0 +0.0/-0.3	100.0 +0.0/-0.3	100.0 +0.0/-0.3	100.0 +0.0/-0.3	100.0 +0.0/-0.3	100.0 +0.0/-0.3 at 148 mo	
									Including Normal Battery Depletion	99.9 +0.0/-0.2	99.8 +0.1/-0.3	99.7 +0.1/-0.3	99.2 +0.3/-0.5	98.9 +0.4/-0.6	98.1 +0.5/-0.8	97.5 +0.7/-0.9	95.9 +0.9/-1.2	90.0 +1.8/-2.1	76.5 +3.7/-4.3	73.2 +4.3/-4.9 at 148 mo	

continued

Source: Medtronic Device Registration and Returned Product Analysis
Data as of January 31, 2009

Device Survival Summary continued

Family	Model Number	US Market Release	Registered US Implants	Estimated Active US Implants	Normal Battery Depletions	Malfunctions: Therapy Function Compromised	Malfunctions: Therapy Function Not Compromised	Malfunctions: Total		Device Survival Probability (%) Years After Implant: 1 yr	2 yr	3 yr	4 yr	5 yr	6 yr	7 yr	8 yr	10 yr	12 yr	14 yr	16 yr
Thera-i SR	8960i, 8961i, 8962i	Oct-95	50,000	5,000	2,012	—	—	7	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 153 mo	
									Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.0	99.7 +0.1/-0.1	99.4 +0.1/-0.1	98.9 +0.1/-0.1	98.2 +0.2/-0.2	96.9 +0.2/-0.2	94.5 +0.3/-0.3	80.6 +0.7/-0.7	52.5 +1.5/-1.5	43.2 +2.3/-2.4 at 153 mo	
Thera-i VDD	8968i	Mar-96	5,000	1,000	196	—	—	0	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0		
									Including Normal Battery Depletion	99.9 +0.1/-0.1	99.8 +0.1/-0.2	99.6 +0.2/-0.3	99.5 +0.2/-0.3	99.2 +0.3/-0.4	99.1 +0.3/-0.4	99.0 +0.3/-0.4	98.3 +0.4/-0.6	88.7 +1.5/-1.7	53.4 +4.7/-5.0		
Versa DR	VEDR01	Jul-06	38,000	34,000	1	0	+ 2	= 2	Excluding Normal Battery Depletion	100.0 +0.0/-0.0	100.0 +0.0/-0.0	100.0 +0.0/-0.0 at 26 mo									
									Including Normal Battery Depletion	100.0 +0.0/-0.0	99.9 +0.0/-0.1	99.9 +0.0/-0.1 at 26 mo									

Source: Medtronic Device Registration and Returned Product Analysis
Data as of January 31, 2009