

INSIGNIA Plus DR (downsize) Model 1298

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 7,000
 U.S. Approval Date: March 2005
 U.S. Estimated Active Implants: 61,000

U.S. Normal Battery Depletions: 279
 U.S. Unconfirmed Reports of Premature Battery Depletions: 27
 U.S. Confirmed Malfunctions Without Compromised Therapy: 31
 U.S. Confirmed Malfunctions With Compromised Therapy: 10
 U.S. Average Device Age: 12.8 yrs

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

U.S. Implants	Yr. 1 (%)	Yr. 2 (%)	Yr. 3 (%)	Yr. 4 (%)	Yr. 5 (%)	Yr. 6 (%)	Yr. 7 (%)	Yr. 8 (%)	Yr. 9 (%)	Yr. 10 (%)
Non-Advisory Implants	100.00 (100.00)	99.98 (99.98)	99.96 (99.96)	99.94 (99.94)	99.92 (99.92)	99.90 (99.90)	99.88 (99.88)	99.86 (99.86)	99.84 (99.84)	99.82 (99.82)
Advisory Implants	100.00 (100.00)	99.99 (99.99)	99.98 (99.98)	99.97 (99.97)	99.96 (99.96)	99.95 (99.95)	99.94 (99.94)	99.93 (99.93)	99.92 (99.92)	99.91 (99.91)
U.S. Implants	100.00 (100.00)	99.99 (99.99)	99.98 (99.98)	99.97 (99.97)	99.96 (99.96)	99.95 (99.95)	99.94 (99.94)	99.93 (99.93)	99.92 (99.92)	99.91 (99.91)

PULSAR MAX II SR (downsize) Model 1180

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 7,000
 U.S. Approval Date: March 2001
 U.S. Estimated Active Implants: 600

U.S. Normal Battery Depletions: 18
 U.S. Unconfirmed Reports of Premature Battery Depletions: 1
 U.S. Confirmed Malfunctions Without Compromised Therapy: 0
 U.S. Confirmed Malfunctions With Compromised Therapy: 0
 U.S. Average Device Age: 12.7 yrs

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

U.S. Implants	Yr. 1 (%)	Yr. 2 (%)	Yr. 3 (%)	Yr. 4 (%)	Yr. 5 (%)	Yr. 6 (%)	Yr. 7 (%)	Yr. 8 (%)	Yr. 9 (%)	Yr. 10 (%)
Non-Advisory Implants	100.00 (100.00)	100.00 (100.00)	100.00 (100.00)	100.00 (100.00)	100.00 (100.00)	100.00 (100.00)	100.00 (100.00)	100.00 (100.00)	100.00 (100.00)	100.00 (100.00)
Advisory Implants	100.00 (100.00)	99.99 (99.99)	99.98 (99.98)	99.97 (99.97)	99.96 (99.96)	99.95 (99.95)	99.94 (99.94)	99.93 (99.93)	99.92 (99.92)	99.91 (99.91)
U.S. Implants	100.00 (100.00)	99.99 (99.99)	99.98 (99.98)	99.97 (99.97)	99.96 (99.96)	99.95 (99.95)	99.94 (99.94)	99.93 (99.93)	99.92 (99.92)	99.91 (99.91)

* Devices subject to an advisory. Refer to the Safety Advisories section for more details. Devices may be part of more than one advisory.
 Survival probability for INSIGNIA Plus DR (downsize) pacemakers subject to the 25-Jan-06 advisory not provided because it does not meet report inclusion criteria (see Statistical Methodology for more details). Refer to Safety Advisory section for more details on this advisory.
 Data are representative of Guidant INSIGNIA Plus and Intermecor HEROS Plus device performance.
 Data are representative of Guidant PULSAR MAX II and Intermecor VIRTUS Plus II device performance.

BRADYCARDIA THERAPY - PACEMAKERS

PULSAR MAX II SR Model 1181

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 1000	U.S. Normal Battery Depletions: 0	U.S. Confirmed Malfunctions: 0	U.S. Confirmed Malfunctions Without Compromised Therapy: 0	U.S. Confirmed Malfunctions With Compromised Therapy: 0	U.S. Average Device Age: 33.6 Mo			
U.S. Approval Date: May 2001	U.S. Unconfirmed Reports of Premature Battery Depletions: 0	U.S. Unconfirmed Reports of Premature Battery Depletions: 0	U.S. Unconfirmed Reports of Premature Battery Depletions: 0	U.S. Unconfirmed Reports of Premature Battery Depletions: 0	U.S. Unconfirmed Reports of Premature Battery Depletions: 0			
U.S. Estimated Active Implants: 1000	U.S. Estimated Active Implants: 1000	U.S. Estimated Active Implants: 1000	U.S. Estimated Active Implants: 1000	U.S. Estimated Active Implants: 1000	U.S. Estimated Active Implants: 1000			
U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)								
Non-Advisory	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Depletion & Malfunction Only	99.99 (99.98-100.00)	99.97 (99.96-100.00)	99.95 (99.94-100.00)	99.93 (99.92-100.00)	99.91 (99.90-100.00)	99.89 (99.88-100.00)	99.87 (99.86-100.00)	99.85 (99.84-100.00)
Malfunction Only	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)

PULSAR MAX II DR Model 1280

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 29,000	U.S. Normal Battery Depletions: 261	U.S. Confirmed Malfunctions: 13	U.S. Confirmed Malfunctions Without Compromised Therapy: 13	U.S. Confirmed Malfunctions With Compromised Therapy: 0	U.S. Average Device Age: 35.8 Mo			
U.S. Approval Date: May 2001	U.S. Unconfirmed Reports of Premature Battery Depletions: 13	U.S. Unconfirmed Reports of Premature Battery Depletions: 13	U.S. Unconfirmed Reports of Premature Battery Depletions: 13	U.S. Unconfirmed Reports of Premature Battery Depletions: 13	U.S. Unconfirmed Reports of Premature Battery Depletions: 13			
U.S. Estimated Active Implants: 29,000	U.S. Estimated Active Implants: 29,000	U.S. Estimated Active Implants: 29,000	U.S. Estimated Active Implants: 29,000	U.S. Estimated Active Implants: 29,000	U.S. Estimated Active Implants: 29,000			
U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)								
Non-Advisory	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Depletion & Malfunction Only	99.95 (99.94-100.00)	99.90 (99.89-100.00)	99.85 (99.84-100.00)	99.80 (99.79-100.00)	99.75 (99.74-100.00)	99.70 (99.69-100.00)	99.65 (99.64-100.00)	99.60 (99.59-100.00)
Malfunction Only	99.99 (99.98-100.00)	99.98 (99.97-100.00)	99.96 (99.95-100.00)	99.94 (99.93-100.00)	99.92 (99.91-100.00)	99.90 (99.89-100.00)	99.88 (99.87-100.00)	99.86 (99.85-100.00)

Survival probabilities for PULSAR MAX II SR and PULSAR MAX II DR pacemakers subject to 18-Jul-05 and 21-Jan-08 (Original Population) advisory not provided because they do not meet report inclusion criteria (see Statistical Methodology for more details). Refer to Safety Advisory section for more details. Data are representative of Guidant PULSAR MAX II end intermediates VIRTUS Plus II device performance.

DISCOVERY II SR (downsize) Model 1184

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 13,000
 U.S. Approval Date: March 2000
 U.S. Estimated Active Implants: 6,000

U.S. Normal Battery Depletions: 10
 U.S. Unconfirmed Reports of Premature Battery Depletions: 2
 U.S. Confirmed Malfunctions Without Compromised Therapy With Compromised Therapy: 0
 U.S. Average Device Age: 3.9 yrs

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory (21-yr-00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)
Advisory (21-yr-00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)
Depletion & Malfunction Only	99.83 (99.83-100.00)	99.87 (99.87-100.00)	99.95 (99.95-100.00)	99.98 (99.98-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)
Depletion & Malfunction & Malfunction Only	99.72 (99.72-100.00)	99.85 (99.85-100.00)	99.91 (99.91-100.00)	99.93 (99.93-100.00)	99.95 (99.95-100.00)	99.96 (99.96-100.00)	99.97 (99.97-100.00)	99.98 (99.98-100.00)

DISCOVERY II SR Models 1186/1187

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 3,000
 U.S. Approval Date: March 2000
 U.S. Estimated Active Implants: 2,000

U.S. Normal Battery Depletions: 7
 U.S. Unconfirmed Reports of Premature Battery Depletions: 1
 U.S. Confirmed Malfunctions Without Compromised Therapy With Compromised Therapy: 0
 U.S. Average Device Age: 3.2 yrs

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory (21-yr-00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)
Advisory (21-yr-00)	99.89 (99.89-100.00)	99.95 (99.95-100.00)	99.98 (99.98-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)	99.99 (99.99-100.00)
Depletion & Malfunction Only	99.78 (99.78-100.00)	99.85 (99.85-100.00)	99.91 (99.91-100.00)	99.93 (99.93-100.00)	99.95 (99.95-100.00)	99.96 (99.96-100.00)	99.97 (99.97-100.00)	99.98 (99.98-100.00)
Depletion & Malfunction & Malfunction Only	99.67 (99.67-100.00)	99.78 (99.78-100.00)	99.86 (99.86-100.00)	99.90 (99.90-100.00)	99.93 (99.93-100.00)	99.95 (99.95-100.00)	99.96 (99.96-100.00)	99.97 (99.97-100.00)

* Devices subject to an advisory. Refer to the Safety Advisory section for more details. Devices may be part of more than one advisory.
 Survival probability for the DISCOVERY II SR (downsize) pacemakers subject to 15-Jul-00 and 21-Jan-00 (Original Population) advisory not provided because it does not meet report inclusion criteria (see Statistical Methodology for more details). Refer to Safety Advisory section for more details on this advisory.
 Survival probability for DISCOVERY II SR pacemakers subject to the 18-Jul-00 and 21-Jan-00 (Original and Second Population) advisories not provided because it does not meet report inclusion criteria (see Statistical Methodology for more details). Refer to Safety Advisory section for more details on this advisory.
 Data are representative of Guidant DISCOVERY II and Intermedics INTELIS II device performance.

BRADYCARDIA THERAPY - PACEMAKERS

DISCOVERY II DR (downsize) Model 1283

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 33,000
 U.S. Approval Date: March 2000
 U.S. Estimated Active Implants: 17,000
 U.S. Survival Probability* (with rounded population sizes and corresponding yearly confidence limits)

Population & Metric	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Population & Metric	99.67 (0.00)	99.76 (0.01)	99.76 (0.01)	99.93 (0.00)	99.93 (0.00)	99.93 (0.00)	99.93 (0.00)	99.93 (0.00)
Malfunction Only	99.97 (0.00)	99.97 (0.00)	99.98 (0.00)	99.98 (0.00)	99.98 (0.00)	99.98 (0.00)	99.98 (0.00)	99.98 (0.00)
Depletion & Malfunction	100.00 (0.00)	100.00 (0.00)	99.08 (0.00)	99.54 (0.00)	99.13 (0.00)	99.91 (0.00)	99.91 (0.00)	99.91 (0.00)
Malfunction Only	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)
Population & Metric	99.50 (0.00)	99.47 (0.00)	99.18 (0.00)	99.64 (0.00)	99.64 (0.00)	99.36 (0.00)	99.36 (0.00)	99.36 (0.00)
Malfunction Only	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)

U.S. Confirmed Malfunctions Without Completed Therapy With Completed Therapy
 U.S. Average Device Age: 26.5 mo

DISCOVERY II DR Models 1284/1286

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 25,000
 U.S. Approval Date: March 2000
 U.S. Estimated Active Implants: 15,000
 U.S. Survival Probability* (with rounded population sizes and corresponding yearly confidence limits)

Population & Metric	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Population & Metric	99.86 (0.00)	99.86 (0.00)	99.67 (0.00)	99.66 (0.00)	99.66 (0.00)	99.30 (0.00)	99.30 (0.00)	99.30 (0.00)
Malfunction Only	100.00 (0.00)	100.00 (0.00)	99.98 (0.00)	99.98 (0.00)	99.98 (0.00)	99.98 (0.00)	99.98 (0.00)	99.98 (0.00)
Depletion & Malfunction	100.00 (0.00)	100.00 (0.00)	99.71 (0.00)	99.71 (0.00)	99.63 (0.00)	99.63 (0.00)	99.63 (0.00)	99.63 (0.00)
Malfunction Only	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)	100.00 (0.00)

U.S. Confirmed Malfunctions Without Completed Therapy With Completed Therapy
 U.S. Average Device Age: 8 mo

*Devices subject to an advisory. Refer to the Safety Advisory section for more details. Devices may be part of more than one advisory.
 Survival probability for DISCOVERY II DR pacemakers subject to 18-Jul-05 and 21-Jan-06 (Original Population) advisory not provided because it does not meet report inclusion criteria (see Statistical Methodology for more details). Refer to Safety Advisory section for more details on this advisory.
 Data are representative of Guidant/Discovery II and Intermedics INTELIS II device performance.

PULSAR MAX SR (downsize) Model 1170

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 11,000
 U.S. Approval Date: June 1998
 U.S. Estimated Active Implants: 1000

U.S. Normal Battery Depletions: 550
 U.S. Unconfirmed Reports of Premature Battery Depletions: 3
 U.S. Confirmed Malfunctions: 5
 Without Compromised Therapy: 5
 With Compromised Therapy: 0
 U.S. Average Device Age: 40.8 mo.

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory	99.54 (97.96)	99.94 (97.96)	99.57 (97.96)	99.82 (97.96)	95.87 (97.96)	94.85 (97.96)	93.97 (97.96)	93.09 (97.96)
Advisory (801-05 and 21-Jan-08 Original Population)	99.99 (97.96)	99.99 (97.96)	99.99 (97.96)	99.99 (97.96)	99.99 (97.96)	99.99 (97.96)	99.99 (97.96)	99.99 (97.96)
Advisory (21-Jan-08 Resampled Population)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)

PULSAR MAX SR Model 1171

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 2000
 U.S. Approval Date: June 1998
 U.S. Estimated Active Implants: 1000

U.S. Normal Battery Depletions: 30
 U.S. Unconfirmed Reports of Premature Battery Depletions: 0
 U.S. Confirmed Malfunctions: 8
 Without Compromised Therapy: 4
 With Compromised Therapy: 2
 U.S. Average Device Age: 43.5 mo.

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory	100.00 (97.96)	99.89 (97.96)	99.76 (97.96)	99.62 (97.96)	99.39 (97.96)	99.03 (97.96)	98.67 (97.96)	98.31 (97.96)
Advisory (801-05 and 21-Jan-08 Original Population)	100.00 (97.96)	100.00 (97.96)	99.87 (97.96)	99.87 (97.96)	99.87 (97.96)	99.87 (97.96)	99.87 (97.96)	99.87 (97.96)
Advisory (21-Jan-08 Resampled Population)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)	100.00 (97.96)

*Devices subject to an advisory. Refer to the Safety Advisories section for more details. Devices may be part of more than one advisory.
 Survival probabilities for PULSAR MAX SR (downsize) and PULSAR MAX SR pacemakers subject to the 28-Mar-99 advisory not provided because they do not meet report inclusion criteria (see Statistical Methodology section for more details). Refer to the Safety Advisory section for more details on this advisory.
 Data are representative of Global PULSAR MAX and Intermedica VIRTUS Plus device performance.

BRADYCARDIA THERAPY -- PACEMAKERS

PULSAR MAX DR Model 1270

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 21,000
 U.S. Approval Date: June 1996
 U.S. Estimated Active Implants: 20,000

U.S. Normal Battery Depletions: 2,660
 U.S. Unconfirmed Reports of Premature Battery Depletions: 75

U.S. Confirmed Malfunctions: 79
 Without Compromised Therapy: 66
 With Compromised Therapy: 13
 U.S. Average Device Age: 8.0 Yr

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory								
Depletion & Malfunc	98.96 (97.9-99.9)	98.79 (97.8-99.8)	98.38 (97.4-99.4)	98.24 (97.2-99.3)	98.19 (97.2-99.2)	98.08 (97.1-99.1)	97.96 (97.0-99.0)	97.81 (96.9-98.9)
Malfunction Only	99.89 (98.9-99.9)	99.95 (99.0-99.9)	99.95 (99.0-99.9)	99.94 (99.0-99.9)	99.93 (99.0-99.9)	99.91 (99.0-99.9)	99.89 (98.9-99.9)	99.88 (98.9-99.9)
Depletion & Malfunc (Excl. Premature)	98.87 (97.9-99.8)	98.73 (97.8-99.8)	99.16 (98.2-99.2)	97.98 (97.0-99.0)	98.05 (97.1-99.1)	98.08 (97.1-99.1)	97.98 (97.0-99.0)	97.88 (96.9-98.9)
Malfunction Only (Excl. Premature)	99.98 (99.0-99.9)	99.98 (99.0-99.9)	99.86 (98.9-99.9)	99.91 (99.0-99.9)	99.88 (98.9-99.9)	98.42 (97.5-99.5)	97.58 (96.6-98.6)	97.50 (96.6-98.6)
Advisory 18 Jun 06 and 21 Jun 06 Original Population	98.90 (87.9-99.9)	98.85 (87.9-99.9)	99.17 (98.2-99.2)	98.12 (97.2-99.2)	98.23 (97.3-99.3)	98.70 (97.8-99.8)	98.50 (97.6-99.6)	98.50 (97.6-99.6)
Depletion & Malfunc	98.95 (87.9-99.9)	98.95 (87.9-99.9)	99.87 (98.9-99.9)	98.85 (97.9-99.9)	98.82 (97.9-99.9)	98.77 (97.8-99.8)	98.72 (97.8-99.8)	98.72 (97.8-99.8)
Malfunction Only								

DISCOVERY SR (downsize) Model 1174

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 10,000
 U.S. Approval Date: April 1998
 U.S. Estimated Active Implants: 2,000

U.S. Normal Battery Depletions: 531
 U.S. Unconfirmed Reports of Premature Battery Depletions: 8

U.S. Confirmed Malfunctions: 79
 Without Compromised Therapy: 67
 With Compromised Therapy: 12
 U.S. Average Device Age: 4.6 Yr

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory								
Depletion & Malfunc	96.84 (95.9-97.8)	96.83 (95.9-97.8)	97.58 (96.6-98.6)	97.85 (96.9-98.9)	98.36 (97.4-99.4)	98.53 (97.6-99.6)	97.45 (96.5-98.5)	97.45 (96.5-98.5)
Malfunction Only	97.06 (96.1-98.0)	98.00 (97.1-98.9)	98.86 (97.9-99.8)	98.81 (97.9-99.8)	98.14 (97.2-99.2)	94.14 (93.2-95.2)	93.23 (92.3-94.3)	93.23 (92.3-94.3)
Depletion & Malfunc (Excl. Premature)	96.81 (95.9-97.8)	96.83 (95.9-97.8)	97.53 (96.6-98.6)	97.67 (96.7-98.7)	98.19 (97.2-99.2)	98.08 (97.1-99.1)	97.08 (96.1-98.1)	97.08 (96.1-98.1)
Malfunction Only (Excl. Premature)	99.44 (98.5-99.9)	99.10 (98.2-99.8)	99.04 (98.1-99.9)	98.84 (97.9-99.8)	98.74 (97.8-99.8)	98.61 (97.7-99.7)	98.50 (97.6-99.6)	98.03 (97.1-99.1)
Advisory 18 Jun 06 and 21 Jun 06 Original Population	98.89 (87.9-99.9)	98.85 (87.9-99.9)	98.85 (87.9-99.9)	98.84 (87.9-99.9)	98.84 (87.9-99.9)	98.72 (97.8-99.8)	98.62 (97.7-99.7)	98.62 (97.7-99.7)
Depletion & Malfunc	98.92 (87.9-99.9)	98.83 (87.9-99.9)	98.72 (97.8-99.8)	98.72 (97.8-99.8)	98.72 (97.8-99.8)	98.62 (97.7-99.7)	98.62 (97.7-99.7)	98.62 (97.7-99.7)
Malfunction Only								

* Devices subject to an advisory. Refer to the Safety Advisory section for more details. Devices may be part of more than one advisory.
 Survival probability for PULSAR MAX DR pacemakers subject to the 25-Mar-99 advisory not provided because it does not meet report inclusion criteria (see Statistical Methodology section for more details). Refer to the Safety Advisory section for more details on this advisory.
 Data are representative of Guidant PULSAR MAX and Intermedics VIRTUS Plus device performance.
 Data are representative of Guidant DISCOVERY and Intermedics INTELIS device performance.

DISCOVERY SR Model 1175

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 9,000
 U.S. Approval Date: April 1998
 U.S. Estimated Active Implants: 1000

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)	Yr 9 (%)
Net-Advisory (1000 Implants)	99.87 (99.86-99.88)	99.72 (99.69-99.75)	99.58 (99.54-99.62)	99.44 (99.39-99.49)	99.29 (99.23-99.35)	99.14 (99.07-99.21)	98.99 (98.91-99.07)	98.84 (98.75-98.93)	98.69 (98.59-98.79)
Advisory (18-Jul-05 and 21-Jan-06 Overall Population)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	99.84 (99.79-99.89)	99.69 (99.63-99.75)	99.54 (99.47-99.61)	99.39 (99.31-99.47)	99.24 (99.15-99.33)	99.09 (99.00-99.18)
Advisory (21-Jan-06 Second Population)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)

U.S. Normal Battery Depletions: 25
 U.S. Unconfirmed Reports of Premature Battery Depletions: 0
 U.S. Confirmed Malfunctions: Without Completed Therapy With Completed Therapy
 U.S. Average Device Age: 4.7 (3.7-5.6)

DISCOVERY DR (downsize) Model 1273

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 23,000
 U.S. Approval Date: April 1998
 U.S. Estimated Active Implants: 3,000

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)	Yr 9 (%)
Net-Advisory (3000 Implants)	97.75 (97.69-97.81)	96.37 (96.29-96.45)	94.39 (94.29-94.49)	91.19 (91.07-91.31)	86.89 (86.73-87.05)	81.61 (81.42-81.80)	75.31 (75.03-75.59)	68.01 (67.63-68.39)	60.71 (60.23-61.19)
Advisory (28-Mar-99)	97.75 (97.69-97.81)	96.37 (96.29-96.45)	94.39 (94.29-94.49)	91.19 (91.07-91.31)	86.89 (86.73-87.05)	81.61 (81.42-81.80)	75.31 (75.03-75.59)	68.01 (67.63-68.39)	60.71 (60.23-61.19)
Advisory (18-Jul-05 and 21-Jan-06 Overall Population)	99.63 (99.58-99.68)	99.02 (98.93-99.11)	97.60 (97.49-97.71)	95.33 (95.19-95.47)	92.01 (91.83-92.19)	87.71 (87.51-87.91)	82.41 (82.11-82.71)	76.11 (75.71-76.51)	68.81 (68.31-69.31)
Advisory (21-Jan-06 Second Population)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)	100.00 (100.00-100.00)

U.S. Normal Battery Depletions: 6065
 U.S. Unconfirmed Reports of Premature Battery Depletions: 69
 U.S. Confirmed Malfunctions: 17
 U.S. Average Device Age: 50.0 (49.0-51.0)

*Devices subject to an advisory. Refer to the Safety Advisory section for more details. Devices may be part of more than one advisory. Survival probability for DISCOVERY SR pacemakers subject to 28-Mar-99 advisory not provided because it does not meet report inclusion criteria (see Statistical Methodology for more details). Refer to Safety Advisory section for more details on this advisory.

BRADYCARDIA THERAPY - PACEMAKERS

DISCOVERY DR Models 1274/1275

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 13,000
 U.S. Approval Date: April 1998
 U.S. Estimated Active Implants: 2,000

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory	100.00	99.93	99.87	99.80	99.73	99.67	99.60	99.53
Advisory	100.00	96.69	93.90	92.29	91.00	89.85	88.83	87.91
Advisory (Second Population)	100.00	96.69	93.90	92.29	91.00	89.85	88.83	87.91
Deposition & Malfunction Only	100.00	99.93	99.87	99.80	99.73	99.67	99.60	99.53
Deposition & Malfunction	100.00	96.69	93.90	92.29	91.00	89.85	88.83	87.91
Malfunction Only	100.00	99.93	99.87	99.80	99.73	99.67	99.60	99.53
Deposition & Malfunction (Second Population)	100.00	96.69	93.90	92.29	91.00	89.85	88.83	87.91
Malfunction Only (Second Population)	100.00	99.93	99.87	99.80	99.73	99.67	99.60	99.53

U.S. Confirmed Malfunctions: 19
 Without Completed Therapy: 76
 With Completed Therapy: 26
 U.S. Average Device Age: 8.1 mo

MERIDIAN DDD Model 0976

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 2,000
 U.S. Approval Date: April 1998
 U.S. Estimated Active Implants: 1,000

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Advisory	100.00	99.84	99.66	99.56	99.50	99.46	99.43	99.41
Advisory (Second Population)	100.00	99.84	99.66	99.56	99.50	99.46	99.43	99.41
Deposition & Malfunction Only	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Deposition & Malfunction	100.00	99.84	99.66	99.56	99.50	99.46	99.43	99.41
Malfunction Only	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Deposition & Malfunction (Second Population)	100.00	99.84	99.66	99.56	99.50	99.46	99.43	99.41
Malfunction Only (Second Population)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Confirmed Malfunctions: 4
 Without Completed Therapy: 1
 With Completed Therapy: 3
 U.S. Average Device Age: 2.0 mo

Devices subject to an advisory. Refer to the Safety Advisory section for more details. Devices may be part of more than one advisory.
 Survival probability for MERIDIAN DDD pacemakers subject to 28-Mar-99 advisory not provided because it does not meet report inclusion criteria (see Statistical Methodology for more details).
 Data are representative of Guidant DISCOVERY and Inamedics INTELIS device performance.

MERIDIAN SR Model 1176

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 9,000
 U.S. Approval Date: April 1999
 U.S. Estimated Active Implants: 3,000

U.S. Normal Battery Depletions: 200
 U.S. Unconfirmed Reports of Premature Battery Depletions: 10
 U.S. Confirmed Malfunctions: 18
 U.S. With Compromised Therapy: 5
 U.S. With Compromised Therapy: 5
 U.S. Average Device Age: 35.3 mo

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

Implant Population	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory (18,000)	99.92 (97.9)	99.89 (97.3)	99.80 (94.6)	99.11 (89.1)	95.09 (77.5)	91.03 (67.9)	87.03 (61.7)	83.03 (57.1)
Malfunction Only	99.98 (99.0)	99.98 (99.0)	99.94 (99.0)	99.94 (99.0)	99.94 (99.0)	99.94 (99.0)	99.94 (99.0)	99.94 (99.0)
Advisory (18,000)	99.85 (97.3)	99.81 (96.8)	99.06 (94.2)	98.52 (93.6)	97.14 (91.0)	95.21 (87.4)	93.13 (82.8)	91.03 (78.4)
Malfunction Only	99.75 (94.5)	99.57 (94.0)	98.42 (93.3)	98.33 (93.3)	98.23 (93.3)	98.05 (93.0)	97.88 (92.8)	97.69 (92.6)
Dependent Malfunction (100,000)	100.00 (100.0)	99.68 (97.0)	98.89 (94.5)	98.23 (93.0)	97.43 (91.5)	95.20 (87.7)	92.80 (82.7)	90.33 (78.4)
Malfunction Only	100.00 (100.0)	100.00 (100.0)	99.87 (99.0)	99.87 (99.0)	99.87 (99.0)	99.87 (99.0)	99.87 (99.0)	99.87 (99.0)

MERIDIAN DR Model 1276

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 16,000
 U.S. Approval Date: April 1998
 U.S. Estimated Active Implants: 7,000

U.S. Normal Battery Depletions: 527
 U.S. Unconfirmed Reports of Premature Battery Depletions: 12
 U.S. Confirmed Malfunctions: 35
 U.S. With Compromised Therapy: 18
 U.S. With Compromised Therapy: 7
 U.S. Average Device Age: 22.7 mo

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

Implant Population	Yr 1 (%)	Yr 2 (%)	Yr 3 (%)	Yr 4 (%)	Yr 5 (%)	Yr 6 (%)	Yr 7 (%)	Yr 8 (%)
Non-Advisory (16,000)	99.96 (97.9)	99.82 (97.3)	99.63 (94.6)	98.79 (91.1)	97.50 (87.5)	94.26 (77.0)	90.97 (71.9)	87.66 (67.1)
Malfunction Only	100.00 (100.0)	100.00 (100.0)	100.00 (100.0)	100.00 (100.0)	99.97 (99.0)	99.97 (99.0)	99.97 (99.0)	99.97 (99.0)
Advisory (16,000)	99.83 (97.3)	97.81 (93.1)	95.88 (90.1)	94.14 (87.3)	92.41 (84.2)	90.58 (81.1)	88.65 (78.4)	86.72 (73.8)
Malfunction Only	99.13 (94.0)	97.81 (93.1)	96.25 (91.7)	94.94 (89.2)	93.69 (87.4)	92.41 (84.2)	91.03 (82.8)	89.65 (80.4)
Dependent Malfunction (100,000)	99.81 (97.0)	99.46 (96.0)	98.83 (94.0)	97.69 (91.5)	95.48 (87.4)	92.80 (82.8)	90.13 (78.4)	87.46 (75.0)
Malfunction Only	99.89 (99.0)	99.65 (98.0)	99.45 (98.0)	99.28 (98.0)	99.20 (98.0)	99.01 (97.0)	98.43 (96.0)	97.85 (95.0)
Dependent Malfunction (100,000)	100.00 (100.0)	99.68 (97.0)	98.89 (94.5)	98.23 (93.0)	97.43 (91.5)	95.20 (87.7)	92.80 (82.7)	90.33 (78.4)
Malfunction Only	100.00 (100.0)	99.90 (99.0)	99.90 (99.0)	99.90 (99.0)	99.90 (99.0)	99.90 (99.0)	99.90 (99.0)	99.90 (99.0)

* Devices subject to an advisory, refer to the Safety Advisory section for more details. Devices may be part of more than one advisory.
 Survival probability for MERIDIAN SR pacemakers subject to 25-Mar-99 advisory not provided because it does not meet report inclusion criteria (see Statistical Methodology for more details). Refer to Safety Advisory section for more details on this advisory.

Pacing Leads

BRADYCARDIA THERAPY - PACING LEADS

FLEXTEND Active Fixation Models 4086/4087/4088

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 37,000
 U.S. Approval Date: February 2002
 U.S. Estimated Active Implants: 109,000

U.S. Unconfirmed Reports of Lead Complications: 526

U.S. Confirmed Malfunctions: 26
 Without Compromised Therapy
 With Compromised Therapy: 0
 U.S. Average Device Age: 2.18 yrs

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr. 1 (%)	Yr. 2 (%)	Yr. 3 (%)	Yr. 4 (%)	Yr. 5 (%)	Yr. 6 (%)	Yr. 7 (%)	Yr. 8 (%)	Yr. 9 (%)	Yr. 10 (%)
Survival Probability	99.78 (0.00)	99.58 (0.40)	99.33 (0.74)	98.93 (1.01)	98.74 (1.09)	98.54 (1.17)	98.34 (1.25)	98.14 (1.33)	97.94 (1.41)	97.74 (1.49)

FINELINE II/FINELINE II Sterox Passive Fixation (Polyurethane) Models 4452/4453/4456/4457

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 90,000
 U.S. Approval Date: January 2000
 U.S. Estimated Active Implants: 66,000

U.S. Unconfirmed Reports of Lead Complications: 390

U.S. Confirmed Malfunctions: 7
 Without Compromised Therapy
 With Compromised Therapy: 6
 U.S. Average Device Age: 2.37 yrs

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr. 1 (%)	Yr. 2 (%)	Yr. 3 (%)	Yr. 4 (%)	Yr. 5 (%)	Yr. 6 (%)	Yr. 7 (%)	Yr. 8 (%)	Yr. 9 (%)	Yr. 10 (%)
Survival Probability	99.83 (0.00)	99.72 (0.04)	99.60 (0.12)	99.42 (0.18)	99.20 (0.22)	99.04 (0.28)	98.88 (0.34)	98.72 (0.40)	98.56 (0.46)	98.40 (0.52)

FINELINE II EZ/FINELINE II Sterox EZ Positive Fixation (Polyurethane) Models 4463/4464/4465/4469/4470/4471

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 174,000
 U.S. Approval Date: January 2000
 U.S. Estimated Active Implants: 135,000

U.S. Unconfirmed Reports of Lead Complications: 521

U.S. Confirmed Malfunctions: 15
 Without Compromised Therapy
 With Compromised Therapy: 14
 U.S. Average Device Age: 2.66 yrs

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

	Yr. 1 (%)	Yr. 2 (%)	Yr. 3 (%)	Yr. 4 (%)	Yr. 5 (%)	Yr. 6 (%)	Yr. 7 (%)	Yr. 8 (%)	Yr. 9 (%)	Yr. 10 (%)
Survival Probability	99.85 (0.00)	99.72 (0.08)	99.59 (0.14)	99.39 (0.20)	99.12 (0.27)	98.80 (0.34)	98.48 (0.41)	98.16 (0.48)	97.84 (0.55)	97.52 (0.62)

Data are representative of Guidant FINELINE II (polyurethane) and Inamedics THINLINE II (polyurethane) lead performance.

FINELINE II/FINELINE II Sterox Atrial J (Polyurethane) Models 4477/4478/4479/4480

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 28,000
 U.S. Approval Date: January 2000
 U.S. Estimated Active Implants: 22,000

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

Yr. 1 (%)	Yr. 2 (%)	Yr. 3 (%)	Yr. 4 (%)	Yr. 5 (%)	Yr. 6 (%)	Yr. 7 (%)	Yr. 8 (%)	Yr. 9 (%)	Yr. 10 (%)
99.88 (0.12+0.1)	99.56 (0.44+0.1)	99.32 (0.68+0.1)	99.20 (0.80+0.1)	98.01 (1.99+0.2)	99.01 (0.99+0.3)				

U.S. Unconfirmed Reports of Lead Complications: 27
 U.S. Confirmed Malfunctions: 13
 Without Compromised Therapy: 2
 With Compromised Therapy: 0
 U.S. Average Device Age: 3.7 mo

FINELINE II/FINELINE II Sterox Passive Fixation (Silicone) Models 4454/4455/4458/4459

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 0,000
 U.S. Approval Date: January 2000
 U.S. Estimated Active Implants: 7,000

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

Yr. 1 (%)	Yr. 2 (%)	Yr. 3 (%)	Yr. 4 (%)	Yr. 5 (%)	Yr. 6 (%)	Yr. 7 (%)	Yr. 8 (%)	Yr. 9 (%)	Yr. 10 (%)
99.73 (0.27+0.1)	99.36 (0.64+0.2)	98.95 (1.05+0.2)	98.62 (1.38+0.2)	98.17 (1.83+0.4)	97.87 (2.13+0.6)				

U.S. Unconfirmed Reports of Lead Complications: 93
 U.S. Confirmed Malfunctions: 3
 Without Compromised Therapy: 0
 With Compromised Therapy: 3
 U.S. Average Device Age: 3.4 mo

FINELINE II EZ/FINELINE II Sterox EZ Positive Fixation (Silicone) Models 4466/4467/4468/4472/4473/4474

U.S. Summary (with rounded population sizes)

U.S. Registered Implants: 25,000
 U.S. Approval Date: January 2000
 U.S. Estimated Active Implants: 22,000

U.S. Survival Probability (with rounded population sizes and corresponding yearly confidence limits)

Yr. 1 (%)	Yr. 2 (%)	Yr. 3 (%)	Yr. 4 (%)	Yr. 5 (%)	Yr. 6 (%)	Yr. 7 (%)	Yr. 8 (%)	Yr. 9 (%)	Yr. 10 (%)
99.70 (0.30+0.1)	99.38 (0.62+0.1)	99.08 (0.92+0.1)	98.71 (1.29+0.2)	98.15 (1.85+0.3)	97.23 (2.77+0.7)				

U.S. Unconfirmed Reports of Lead Complications: 214
 U.S. Confirmed Malfunctions: 13
 Without Compromised Therapy: 0
 With Compromised Therapy: 13
 U.S. Average Device Age: 3.9 mo

Data are representative of Guidant FINELINE II (polyurethane) and Inamedica THINLINE II (polyurethane) lead performance. Data are representative of Guidant FINELINE II (silicone) and Inamedica THINLINE II (silicone) lead performance.