

LIFE CARE PLAN

MARCIA RHODES

MEDICAL CARE - PAGE 1

Prepared by Jane Mattson, Ph.D., CLCP, CRC, CDMS, CCM, OTR/L
Wendy Cummings, M.A., CLCP
December 5, 2003

<u>Service</u>	<u>Ages</u>	<u>Frequency</u>	<u>Source</u>	<u>Annual Cost</u>
Spinal cord evaluation	49 - 72	once/year	Susan Biener Bergman Boston Medical Center 617-638-7305	750.00
Urologist	48 - 72	once/year	Michael Siroky, M.D. Boston Medical Center 617-638-8485	125.00
Allowance for urological studies	48 - 72	as prescribed		1,000.00
Orthopedic surgeon	48 - 72	once/year	Boston Medical Center 617-638-5633	150.00
Internist	48 - 72	twice/year	local provider	300.00
Urinalysis and culture	48 - 72	4 times/year	Quest Diagnostics 877-868-2191	354.00
Flu shot	48 - 72	once per year	internist	15.00
Podiatrist	48 - 72	4 times per year	Milford Podiatry Associates 617-924-5282	220.00
Doppler ultrasound	48 - 72	once per year	Boston Medical Center 617-638-6610	400.00

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MEDICAL CARE - PAGE 2

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<u>Service</u>	<u>Ages</u>	<u>Frequency</u>	<u>Source</u>	<u>Annual Cost</u>
Bone density scan	48 - 72	every 2 years	Boston Medical Center	122.00
Blood work	49 - 72	once/year	Quest Diagnostics	162.00
Visiting nurse, catheter changes	48 - 72	17 times/year	VNA of Greater Milford 508-473-0862	1,921.00
Visiting nurse, wound care	48 - 49	6 visits	VNA of Greater Milford	678.00
Allowance for hospitalizations	48 - 72			5,000.00

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REHABILITATION

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<u>Service</u>	<u>Ages</u>	<u>Frequency</u>	<u>Source</u>	<u>One-time Cost</u>
Evaluation	48 - 49	once	Craig Hospital 303-789-8000	7,000.00
Rehabilitation	48 - 49	once	Craig Hospital	11,625.00
Lodging for 2, 33 days	48 - 49	once	Craig Apartments	990.00
Air fare for 2	48 - 49	once	orbitz.com	4,000.00
Rental van	48 - 49	once	orbitz.com	1,500.00
Health club joining fee	48 - 49	once	Metro West YMCA 508-879-4420	100.00
Health club membership	48 - 72	annually	Metro West YMCA	<u>Annual Cost</u> 465.00

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MEDICATIONS

Prepared by Jane Mattson, Ph.D., CLCP, CRC, CDMS, CCM, OTR/L
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<u>Item</u>	<u>Age Initiated</u>	<u>Frequency</u>	<u>Source</u>	<u>Annual Cost</u>
Restonil, 15 mg.	48	daily, as needed	Drugstore.com	332.00
Valium, 5 mg. per day	48	daily	Drugstore.com	372.00
Percocet 5/325 mg.	48	as needed	Walgreens.com	220.00
Colace, 100 mg.	48	twice/day	Drugstore.com	409.00
Suppositories	48	as needed	Drugstore.com	390.00
Allowance for antibiotics	48	as needed		450.00

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CARE NEEDS

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<u>Service</u>	<u>Ages</u>	<u>Frequency</u>	<u>Source</u>	<u>Cost/Year</u>
Attendant	48 - 49	8 hours/day, 90 days	privately hired	8,640.00
		3 hours/day, 275 days		9,900.00
	49 - 72	3 hours/day, 365 days/year		13,140.00
Homemaker	48 - 72	8 hours/week	privately hired	3,744.00
Allowance for hiring, training and bookkeeping	48 - 72			650.00
FICA, workers' compensation, unemployment	48 - 49			2,228.00
	49 - 72			1,688.00

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CASE MANAGEMENT

Prepared by Jane Mattson, Ph.D., CLCP, CRC, CDMS, CCM, OTR/L
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<u>Service</u>	<u>Ages</u>	<u>Source</u>	<u>Frequency</u>	<u>Cost/Year</u>
Case management	48 - 72	Nancy Johnson 508-795-1340 Adele Pollard 617-332-8013	25 hours/year	2,000.00
Case management	48 - 51		300, initial additional	<u>One-time</u> 24,000.00

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VOCARE SYSTEM

Prepared by Jane Mattson, Ph.D., CLCP, CRC, CDMS, CCM, OTR/L
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<u>Equipment</u>	<u>Cost</u>	<u>Replacement Schedule</u>	<u>Source</u>	<u>Initial Cost</u>
ECU for Vocare	1,900.00	every 2 years	NeuroControl Corporation 216-912-0101	45,000.00
Back-up ECU for Vocare	1,900.00	purchased twice	NeuroControl Corporation	
Vocare cables	160.00	every year	NeuroControl Corporation	
Vocare antenna	1,000.00	purchased twice	NeuroControl Corporation	
Vocare battery charger	595.00	every 2 years	NeuroControl Corporation	
Vocare initial eval, etc.			Jonathan Vapnek, M.D. Mount Sinai Hospital 212-241-7439	
Vocare reimplantation				45,000.00

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SUPPLIES

Prepared by Jane Mattison, Ph.D., CLCP, CRC, CDMS, CCM, OTR/L
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<u>Item</u>	<u>Ages</u>	<u>Frequency</u>	<u>Source</u>	<u>Annual Cost</u>
Foley catheters	48 - 72	17/year	Best Buy Medical 800-603-7366	42.00
Foley catheter insertion trays	48 - 72	17/year	Best Buy Medical	60.00
Irrigation trays	48 - 72	1/week	Best Buy Medical	86.00
Sterile water	48 - 72	1 pint/week	Best Buy Medical	145.00
Leg bags	48 - 72	1/week	Best Buy Medical	416.00
Nighttime bottle	48 - 72	1/month	Best Buy Medical	288.00
UTI home screening kit	48 - 72	as needed	Drugstore.com	18.00
Wound care supplies	48 - 49			100.00
Disposable underpads	48 - 72	1 or 2/day	Best Buy Medical	150.00
Wipes, creams and lotions	48 - 72			300.00
Paper tape	48 - 72		Best Buy Medical	40.00
Gloves	48 - 72			150.00

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DURABLE MEDICAL EQUIPMENT - PAGE 1

Prepared by Jane Mattson, Ph.D., CLCP, CRC, CDMS, CCM, OTR/L
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<u>Equipment</u>	<u>Age</u>	<u>Cost</u>	<u>Replacement Schedule</u>	<u>Source</u>	<u>Annual Cost</u>
Portable ramp	48 - 72	322.00	every 10 years	Sammons/Preston 800-326-5547	32.00
Electric wheelchair	48 - 72	8,500.00	every 5 years	Apria Healthcare 781-551-4415	1,700.00
Batteries for wheelchair	48 - 72	300.00	every 2 years	Apria Healthcare	150.00
Manual wheelchair	48 - 72	2,000.00	every 5 years	Apria Healthcare	400.00
Roho cushion	48 - 72	310.00	every 3 years	Apria Healthcare	103.00
Roho cushion cover	48 - 72	35.00	every year	Apria Healthcare	35.00
Electric hospital bed	48 - 72	2,000.00	every 10 years	Apria Healthcare	200.00
Shower/commode chair	48 - 72	1,200.00	every 5 years	Apria Healthcare	240.00
Hand-held shower	48 - 72	40.00	every 10 years	Sammons/Preston	4.00
Grab bars for bathroom	48 - 72	70.00	every 10 years	local supplier	7.00

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DURABLE MEDICAL EQUIPMENT - PAGE 2

Prepared by Jane Mattson, Ph.D., CLCP, CRC, CDMS, CCM, OTR/L
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December 5, 2003

<u>Equipment</u>	<u>Ages</u>	<u>Cost</u>	<u>Replacement Schedule</u>	<u>Source</u>	<u>Annual Cost</u>
Standing frame	48 - 72	2,695.00	every 10 years	Prime Engineering 800-827-8263	270.00
Transfer board	48 - 72	250.00	every 5 years	Apria Healthcare	50.00
Multi-podus boots	48 - 72	39.00	every year	Apria Healthcare	39.00
Wheelchair gloves	48 - 72	22.00	twice/year	Sammons/Preston	44.00
TED hose	48 - 72	28.00	4 pairs per year	Drugstore.com	112.00
Reacher	48 - 72	15.00	every 2 years	Sammons/Preston	8.00
Allowance for equipment maintenance	48 - 72		every year		500.00

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TRANSPORTATION

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<u>Item</u>	<u>Ages</u>	<u>Adjusted Cost</u>	<u>Replacement</u>	<u>Supplier</u>	<u>Cost/Year</u>
Modified van	48 - 72	27,500.00	every 8 years	Handicap Conversion Vans Millbury, MA 508-865-9973	3,438.00
Additional fuel, maintenance, insurance	48 - 72				1,000.00
Driver evaluation/training			once	Boston Medical Center	<u>One-time</u> 950.00

COSTS

MARCIA RHODES

Costs are calculated in 2003 dollars. Growth trends will need to be determined by an economist.

ONE-TIME COSTS

Case management, 300 hours in addition to 25 hours/year	24,000.00
Allowance for potential complications (hospitalizations above NSCISC average, diagnostics, wound care)	25,000.00
Psychological counseling, 250 sessions	25,000.00
Driver evaluation/training	950.00
Allowance for modification of kitchen	<u>20,000.00</u>
<u>TOTAL ONE-TIME COSTS</u>	<u>\$94,950.00</u>

ANNUAL COSTS

MARCIA RHODES

AGES 48 - 49

Care

Attendant, 8 hours per day, 90 days	8,640.00
Attendant, 3 hours/day, 275 days	9,900.00
Homemaker, 8 hours/week	3,744.00
Allowance for hiring, training and bookkeeping	650.00
FICA, workers' compensation, unemployment	<u>2,228.00</u>
Subtotal, Care	\$25,162.00

Rehabilitation

Craig Hospital, evaluation	7,000.00
Craig Hospital, rehabilitation	11,625.00
Lodging, Craig Apartments	990.00
Air fare (round trip for 2, business class)	4,000.00
Rental van	1,500.00
Health club joining fee	100.00
Health club membership	<u>465.00</u>
Subtotal, Rehabilitation	\$25,680.00

Case Management

25 hours per year	<u>2,000.00</u>
Subtotal, Case Management	\$2,000.00

Medical

Spinal cord evaluation, once per year (included in Craig costs)	0.00
Urologist, once per year (included in Craig costs)	0.00
Urological studies, as prescribed (included in Craig costs)	0.00
Orthopedic surgeon, 4 times	600.00
Orthopedic x-rays	175.00
Internist, twice per year	300.00
Urinalysis and culture, 4 times per year	354.00
Flu shot, once per year	15.00
Podiatrist, 4 times per year	220.00
Doppler ultrasound, once per year	400.00
Bone density scan, every 2 years	122.00
Blood work, once per year, included in Craig costs	0.00
Visiting nurse for catheter changes, every 3 weeks	1,921.00
Visiting nurse, 6 visits for care of current ulcers	678.00
Allowance for hospital days	<u>5,000.00</u>
Subtotal, Medical	\$9,785.00

Medications

Restoril, 15 mg. per day as needed	332.00
Valium, 5 mg. per day	372.00
Percocet, as needed	220.00
Colace, 100 mg. twice per day	409.00
Suppositories, as needed	390.00
Allowance for antibiotics	<u>450.00</u>
Subtotal, Medications	\$2,173.00

Supplies

Foley catheters, 17 per year	42.00
Foley catheter insertion trays, 17 per year	60.00
Irrigation trays, 1 per week	86.00
Sterile water, 1 pint per week	145.00
Leg bags, 1 per week	416.00
Nighttime urine drainage bottles, 1 per month	288.00
UTI home screening kit, as needed	18.00
Wound care supplies	100.00
Disposable underpads, 1-2 per day	150.00
Wipes, creams and lotions	300.00
Paper tape	40.00
Gloves	<u>150.00</u>
Subtotal, Supplies	\$1,795.00

Durable Medical Equipment	32.00
Portable ramp, \$322 replaced every 10 years	
Electric wheelchair, \$8,500 replaced every 5 years	1,700.00
Batteries for wheelchair, \$300 replaced every 2 years	150.00
Manual wheelchair, \$2,000 replaced every 5 years	400.00
Roho cushion, \$310 replaced every 3 years	103.00
Roho cushion cover, \$35 replaced every year	35.00
Electric hospital bed, \$2,000 replaced every 10 years	200.00
Shower/commode chair, \$1,200 replaced every 5 years	240.00
Hand-held shower, \$40 replaced every 10 years	4.00
Grab bars for bathroom, \$70 replaced every 10 years	7.00
Standing frame, \$2,695 every 10 years	270.00
Sliding board, \$250 replaced every 5 years	50.00
Multi-podus boots, \$39 replaced every year	39.00
Wheelchair gloves, \$22 replaced twice per year	44.00
TED hose, \$28 per pair, 4 pairs per year	112.00
Reacher, \$15 replaced every 2 years	8.00
Allowance for maintenance on equipment	<u>500.00</u>
Subtotal, Durable Equipment	\$3,894.00
Transportation	
Modified van, \$27,500 replaced every 8 years	3,438.00
Additional fuel, maintenance, insurance	<u>1,000.00</u>
Subtotal, Transportation	\$4,438.00
<u>TOTAL ANNUAL COSTS, AGES 48 - 49</u>	<u>\$74,927.00</u>

ANNUAL COSTS

MARCIA RHODES

AGES 49 - 72

Care

Attendant, 3 hours/day	13,140.00
Homemaker, 8 hours/week	3,744.00
Allowance for hiring, training and bookkeeping	650.00
FICA, workers' compensation, unemployment	<u>1,688.00</u>
Subtotal, Care	\$19,222.00

Rehabilitation

Health club membership	<u>465.00</u>
Subtotal, Rehabilitation	\$465.00

Case Management

25 hours per year	<u>2,000.00</u>
Subtotal, Case Management	\$2,000.00

Medical

Spinal cord evaluation, once per year	750.00
Urologist, once per year (included in Craig costs)	125.00
Urological studies, as prescribed (included in Craig costs)	1,000.00
Orthopedic surgeon, once per year	150.00
Internist, twice per year	300.00
Urinalysis and culture, 4 times per year	354.00
Flu shot, once per year	15.00
Podiatrist, 4 times per year	220.00
Doppler ultrasound, once per year	400.00
Bone density scan, every 2 years	122.00
Blood work, once per year	162.00
Visiting nurse for catheter changes, every 3 weeks	1,921.00
Allowance for hospital days	<u>5,000.00</u>
Subtotal, Medical	\$10,519.00

Medications

Restoril, 15 mg. per day as needed	332.00
Valium, 5 mg. per day	372.00
Percocet, as needed	220.00
Colace, 100 mg. twice per day	409.00
Suppositories, as needed	390.00
Allowance for antibiotics	<u>450.00</u>
Subtotal, Medications	\$2,173.00

Supplies

Foley catheters, 17 per year	42.00
Foley catheter insertion trays, 17 per year	60.00
Irrigation trays, 1 per week	86.00
Sterile water, 1 pint per week	145.00
Leg bags, 1 per week	416.00
Nighttime urine drainage bottles, 1 per month	288.00
UTI home screening kit, as needed	18.00
Disposable underpads, 1-2 per day	150.00
Wipes, creams and lotions	300.00
Paper tape	40.00
Gloves	<u>150.00</u>
Subtotal, Supplies	\$1,695.00

Durable Medical Equipment

Portable ramp, \$322 replaced every 10 years	32.00
Electric wheelchair, \$8,500 replaced every 5 years	1,700.00
Batteries for wheelchair, \$300 replaced every 2 years	150.00
Manual wheelchair, \$2,000 replaced every 5 years	400.00
Roho cushion, \$310 replaced every 3 years	103.00
Roho cushion cover, \$35 replaced every year	35.00
Electric hospital bed, \$2,000 replaced every 10 years	200.00
Shower/commode chair, \$1,200 replaced every 5 years	240.00
Hand-held shower, \$40 replaced every 10 years	4.00
Grab bars for bathroom, \$70 replaced every 10 years	7.00
Standing frame, \$2,695 every 10 years	270.00
Transfer board, \$250 replaced every 5 years	50.00
Multi-podus boots, \$39 replaced every year	39.00
Wheelchair gloves, \$22 replaced twice per year	44.00
TED hose, \$28 per pair, 4 pairs per year	112.00
Reacher, \$15 replaced every 2 years	8.00
Allowance for maintenance on equipment	<u>500.00</u>
Subtotal, Durable Equipment	\$3,894.00

Transportation	3,438.00
Modified van, \$27,500 replaced every 8 years	
Additional fuel, maintenance, insurance	<u>1,000.00</u>
Subtotal, Transportation	\$4,438.00
<u>TOTAL ANNUAL COSTS, AGES 49 - 72</u>	<u>\$44,406.00</u>

COST DIFFERENCE WITH VOCARE BLADDER SYSTEM

MARCIA RHODES

VOCARE COSTS

Initial evaluation, implantation and follow-up	45,000.00
Possible re-implantation or revision of Vocare Bladder System	45,000.00
Cables, replaced every year (\$160 x 24 years)	3,840.00
Battery charger, replaced every 2 years (\$595 x 12)	7,140.00
External control unit, replaced every 2 years (\$1,900 x 12)	22,800.00
Back-up external control unit, purchased twice	3,800.00
Vocare antenna, purchased twice	<u>2,000.00</u>
TOTAL VOCARE COSTS	\$129,580.00

LESS ITEMS NOT NEEDED OR REDUCED DUE TO VOCARE

Catheters, \$42 per year x 24	1,008.00
Catheter insertion trays, \$60 x 24	1,440.00
Irrigation trays, \$86 x 24	2,064.00
Sterile water, \$145 x 24	2,480.00
Leg bags, \$416 x 24	9,984.00
Nighttime bottles, \$288 x 24	6,912.00
Paper tape, \$40 x 24	960.00
UTI home screening kits, 18 x 24	432.00
Visiting nurse, \$1,921 x 24	46,104.00
Urinalysis/culture reduced from \$354 to \$177 (\$177 x 24)	4,248.00
Antibiotics reduced from \$450 to \$225 (\$225 x 24)	<u>5,400.00</u>
TOTAL ITEMS OMITTED OR REDUCED IN COST	\$81,032.00

NET COST OF VOCARE SYSTEM

\$48,548.00

SYNOPSIS

MARCIA RHODES

One-time costs	94,950.00
Annual costs:	
Ages 48 - 49	74,927.00
Ages 49 - 72	<u>1,021,338.00</u>
TOTAL WITHOUT VOCARE SYSTEM	\$1,191,215.00
PLUS NET COST OF VOCARE SYSTEM	<u>48,548.00</u>
TOTAL WITH VOCARE SYSTEM	\$1,239,763.00