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**IN THE UNITED STATES DISTRICT COURT  
CENTRAL DISTRICT OF CALIFORNIA**

ALVIN JOHNSON BY AND THROUGH  
HIS GUARDIAN AD LITEM, ALISA  
MALONE,

Plaintiff,

v.

UNITED STATES OF AMERICA, and  
DOES 1 to 100, Inclusive,

Defendants.

CV 07-7973 GAF (PJWx)

FINDINGS OF FACT AND  
CONCLUSIONS OF LAW

This case arises under the Federal Tort Claims Act. The case was tried to the Court from September 29, 2009 to October 1, 2009. The plaintiff was represented by Sean M. Burke, Esq. and Jeanne Steffin, Esq. The plaintiff's guardian ad litem, Alisa Malone, was present in court for the trial; the plaintiff, Alvin Johnson, appeared by videotape deposition. The Court, having considered the evidence presented at trial and the argument of counsel, sets forth its findings of fact and conclusions of law. The Court notes that Defendant was given the opportunity to object to the findings and has declined to do so, but without waiving its right to challenge those findings on the merits.

**I****FINDINGS OF FACT**

1  
2  
3 Alvin Johnson is a veteran who currently lives in Lake City, Georgia. Alvin  
4 Johnson was born April 20, 1939 and was 66 years old at the time of the incident  
5 giving rise to this case on October 17, 2005. He was 70 years old at the time of trial.

6 At the age of 66, Mr. Johnson reported chronic and increasing back pain. A  
7 preoperative physical examination of Mr. Johnson revealed he had near normal to  
8 normal function in all his extremities, but suffered from a ruptured disc that was  
9 compressing his spinal cord at the C3-C4 level, and which, because of the significant  
10 narrowing of the spinal column, created a significant risk that further damage could  
11 lead to paralysis. The testifying physicians all agreed that disc surgery was indicated.

12 On October 17, 2005, Mr. Johnson underwent spinal surgery at the Veterans  
13 Administration Medical Center in West Los Angeles to remove the ruptured disc. The  
14 surgeons were Antonio DeSalles, M.D., who was the attending surgeon, and Donald  
15 Shields, M.D., who was the resident surgeon. During the course of the procedures,  
16 the surgeons used a material called Surgifoam, a product that absorbs blood and other  
17 fluids, but which should not be used in enclosed spaces according to the  
18 manufacturer's warning label.<sup>1</sup> In this case, after removing the ruptured disc material,  
19 the doctors injected Surgifoam into the cavity created when the disc material was  
20 removed. The standard of care requires that excess Surgifoam be removed; and  
21 although the surgeons claimed they irrigated the surgical site twice, the evidence  
22 discussed below indicated that it was left in a partially enclosed area, absorbed

23  
24 <sup>1</sup> The Johnson & Johnson use note includes the following specific admonition:

25 Compression of the brain and spinal cord resulting from the accumulation of sterile  
26 fluid have been observed. ¶ Multiple neurologic events were reported when  
27 absorbable gelatin-based hemostatic agents were used in laminectomy operations,  
28 including cauda equina syndrome, spinal stenosis, . . . , paresthesias, pain, bladder and  
bowel dysfunction, and impotence. ¶ The use of absorbable gelatin-based hemostatic  
agents have been associated with paralysis, due to device migration into foramina in  
the bone around the spinal cord. . . .”

1 sufficient materials that it expanded, and pressed against the spinal cord.<sup>2</sup>

2 The surgical error was compounded by the actions of the doctors following the  
3 operation. First, Mr. Johnson was not properly attended to in the immediate post-  
4 operative period. The surgery was concluded shortly after 2:00 p.m., but his daughter  
5 was not informed and was not brought to his bedside until late afternoon,  
6 approximately 4:30 p.m. Although Dr. Shields claims that he spoke with Mr. Johnson  
7 at about 3:00 p.m., the evidence persuades the Court that no one had spoken with Mr.  
8 Johnson until after his daughter was at his bedside.<sup>3</sup> By that time, Mr. Johnson was in  
9 a frantic state because he had no feeling from his neck down and was experiencing  
10 near complete paralysis. At that point, Dr. Hauptman, who had counseled Mr.  
11 Johnson prior to the surgery, conducted an examination and ordered an MRI. Missing  
12 from the medical records is the form ordering the MRI. Nevertheless, the images  
13 themselves bear a time stamp indicating that they were processed between 5:30 and  
14 6:00 p.m. on October 17.

15 The MRI image in the saggital plane revealed there was still Surgifoam in the  
16 cavity where the disc had been, and an image in the transverse plane showed that the  
17 spinal cord was still compressed. Notably, the transverse image of the spinal cord,  
18 when compared with a comparable pre-surgery image, show the cord to be at least as  
19 compressed, if not more compressed, than prior to surgery. From these images the  
20 surgeons should have been aware of the high probability that a surgical error had  
21 occurred and taken steps to correct it. They did not. Plaintiff's expert, Dr. Bruce Van  
22 Damm, thoroughly and carefully described the evidence from the MRI and concluded  
23 that the post-operative MRI showed an increase in pressure on the spinal cord

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24  
25 <sup>2</sup>Regrettably, the surgeons were not credible on this point. Both had difficulty remembering  
26 a number of other important events and details. For example, they were unable to recall with any  
27 degree of specificity conversations they had with Mr. Johnson and his family members, the persons  
28 participating in those conversations, or the advice and/or options given in those conversations.

<sup>3</sup>Dr. DeSalles concedes that he never spoke to, visited, or examined Mr. Johnson after the  
surgery even though he was apparently present at the hospital during the entire day.

1 indicating some surgical cause.<sup>4</sup> Dr. Van Damm persuasively opined that, had  
2 aggressive surgical intervention been undertaken, the pressure could have been  
3 relieved and that permanent damage could have been avoided.

4 Thus, as of approximately 6:00 p.m. on the day of surgery, the surgeons were in  
5 possession of evidence that a surgical error had occurred but had not yet spoken with  
6 or examined Mr. Johnson.<sup>5</sup> When he received and read the MRI images, Dr. Shields  
7 failed to give adequate consideration to the possibility of the surgical error and  
8 apparently failed to review the pre and post-operative images or to obtain an opinion  
9 from a radiologist regarding the significance of the images. After concluding his  
10 review, Dr. Shields then called Dr. DeSalles and advised him of Mr. Johnson's  
11 condition and reported on his review of the MRI images. Dr. DeSalles did not return  
12 to examine Mr. Johnson or to review the MRI films at that time and instructed Dr.  
13 Shields to wait to see if Mr. Johnson improved. In reaching this decision, the  
14 surgeons failed to properly interpret the MRI images and reached a decision that  
15 doomed Mr. Johnson to spending his remaining years as a quadriplegic.

16 The surgeons also failed to meet the standard of care by failing to inform Mr.  
17 Johnson of the situation, to fully advise him of his options, and to give him the  
18 opportunity to request further surgery. Even if the surgeons believed that the  
19 information available to them was ambiguous, they should have disclosed the  
20

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21 <sup>4</sup>Dr. Van Damm presented very impressive credentials. Among other things, he served as  
22 the head of spinal surgery at Walter Reed Medical Center during the first Gulf War and has  
23 participated in and overseen countless spinal operations. Defendant's expert, Dr. Rosenzweig, had  
24 very little experience in spinal surgery and agreed that Dr. Van Damm's conclusions were  
25 reasonable and consistent with good medical practice. Moreover, much of Dr. Rosenzweig's  
26 testimony supported Plaintiff's theory. For example, Dr. Rosenzweig acknowledged that the disc  
27 surgery involved the insertion of a cage in the disc enclosure and that, while light fluids could  
28 escape the cage after it was closed, more viscous fluids could be trapped. Given that the MRI  
showed a fluid build up pressing against the spinal cord in the area of the cage, this evidence is  
entirely consistent and best explained by the surgeons' failure to remove the Surgifoam from the  
cage area. The Surgifoam absorbed liquids, firmed up, and expanded to press against the spinal  
cord.

<sup>5</sup> Dr. van Dam also testified it was below the standard of care for Dr. DeSalles to fail to  
return to the recovery room to examine and assess Mr. Johnson himself and to review the post  
operative MRI.

1 information to the patient and his family, ambiguities and all, along with the available  
2 options and risks. This was not done. Instead, the doctors waited and, when they  
3 determined that Mr. Johnson's paralysis was not resolving, it was too late for any  
4 further surgical intervention. Mr. Johnson remains quadriparetic to this day, is  
5 confined to a wheelchair and depends on others for all activities of daily living.

6 After his discharge from VAMC-WLA, Mr. Johnson was transferred to the  
7 Spinal Cord Injury Program at VAMC-Long Beach, where he received therapy and  
8 treatment for one year between October 24, 2005 and October 25, 2006. In spite of  
9 the intensive therapy from that program, Mr. Johnson remained quadriparetic: he has  
10 some movement and control of his arms but he is confined to bed with a few hours a  
11 day spent in a wheelchair. He is incontinent and depends on an indwelling catheter  
12 and diapers. He is dependent on others for all of his activities of daily living,  
13 including bathing, hygiene, eating and mobility.

14 When he completed his course of treatment at the VAMC-Long Beach Spinal  
15 Cord Injury program, Mr. Johnson moved from California to Tennessee and into his  
16 daughter, Alisa Malone's, home in Nashville, Tennessee. Ms. Malone works full time  
17 and kept her father at her home with the aid of home health nurses, who watched him  
18 during the day between 7 a.m. and 7 p.m. When Ms. Malone returned from work, the  
19 home care nurses would leave and Ms. Malone would take care of her father between  
20 7 p.m. and 7 a.m. from Monday to Friday and from 7 p.m. on Friday evening until 7  
21 a.m. on Monday morning. This arrangement lasted from November 20, 2006 to  
22 September 2007, at which time Ms. Malone could no longer afford the private nurses  
23 during the day with her providing nursing services for 12 hours every evening and on  
24 weekends. She therefore moved her father into Briley Nursing and Rehabilitation  
25 Center. In February 2009, Ms. Malone moved to Baltimore for her employment and  
26 Mr. Johnson was moved to Atlanta, Georgia, so he could be closer to his other  
27 daughters, and he moved into Lake City Nursing and Rehabilitation Center, where he  
28 lives today.

1 The charges for the home health care nurses and the charges for the nursing  
2 home facilities have been paid by a combination of Mr. Johnson's funds, his  
3 daughters' funds, Medicare and Medicaid.

4 The testimony of Alisa Malone and Mr. Johnson was that Mr. Johnson would  
5 prefer to live with one of his daughters and that he would prefer to live in the Atlanta  
6 area since he has more family members in that region. If he were to move in with one  
7 of his daughters, the house would need to be remodeled to accommodate his  
8 wheelchair; the cost for this was provided by Ms. Barnes at \$44,900.00.

9 Plaintiff presented testimony of Alex Barchuk, M.D., a Physical Medicine and  
10 Rehabilitation Specialist and Anne Barnes, R.N., a Licensed Nurse Life Care Planner  
11 regarding the condition of Mr. Johnson and his medical and care needs for the future.  
12 Defendant presented the testimony of Thomas Hedge, M.D., also a Physical Medicine  
13 and Rehabilitation Specialist and Linda Olzack, R.N., also a Licensed Nurse Life Care  
14 Planner on the same topics. Their recommendations were very similar with respect to  
15 the type of care Mr. Johnson will require for the future as a consequence of his  
16 injuries.

17 Dr. Barchuk and Dr. Hedge presented testimony regarding Mr. Johnson's life  
18 expectancy. Dr. Barchuk testified that Mr. Johnson has suffered a 5-10% reduction of  
19 his life expectancy, which, based on calculations of the plaintiff's forensic economist,  
20 Susan Bleecker, C.P.A., results in a remaining life expectancy of 12.56 years. Dr.  
21 Hedge estimated a life expectancy of 4.7 to 5.9 years. Both experts referred to a table  
22 of life expectancy published by the National Spinal Cord Injury Statistical Center in  
23 2007.

## 24 II.

### 25 CONCLUSIONS OF LAW

#### 26 A. California Law Applies Under The Federal Tort Claims Act

27 The Federal Tort Claims Act ("FTCA") preconditions liability and jurisdiction  
28 upon proof of an actionable duty, causation and recoverable damages under the law of

1 the state where the conduct complained of occurred. See 28 U.S.C. §§1346(b) &  
2 2674; Dalehite v. United States, 346 U.S. 15, 52-53; 73 S.Ct. 936, 97 L.Ed. 1427  
3 (1953). To have a cognizable claim, the claim must arise from the negligent or  
4 wrongful act of a government employee acting within the scope of his employment  
5 under circumstances where the United States, if it were a private individual, would be  
6 liable under the law of the state where the claim arose. See id. California law applies  
7 to this case because the alleged malpractice occurred in California.

8 **B. Plaintiffs Must Prove Their Injuries Were Caused By the United States'**  
9 **Acts**

10 In California, plaintiff must prove by a preponderance of the evidence that their  
11 claimed damages were caused by the negligent acts or omissions of persons acting on  
12 behalf of the United States. See 28 U.S.C. §2674; CAL. EVID. CODE § 115. “A  
13 physician, surgeon, or dentist must exercise that degree of skill or care usual in the  
14 profession in the place in which he or she practices . . . .” 6 Witkin, Torts § 933, at  
15 169 (10<sup>th</sup> Ed. 2005). The relationship of physician to patient gives rise to the duty of  
16 due care. Keene v. Wiggins, 69 Cal.App.3d 308, 312-13 (1977). The approved jury  
17 instruction explains the duty in these words:

18 A surgeon is negligent if he fails to use the level of skill, knowledge, and  
19 care in diagnosis and treatment that other reasonably careful surgeons  
20 would use in the same or similar circumstances. This level of skill,  
21 knowledge, and care is sometimes referred to as “the standard of care.”

22 CACI Instruction No. 501. If negligence is proved, a plaintiff may recover any  
23 economic damages caused by the malpractice, but non-economic damages are capped  
24 at \$250,000 under California Civil Code § 3333.2. That statute provides in pertinent  
25 part:

26 (a) In any action for injury against a health care provider based on  
27 professional negligence, the injured plaintiff shall be entitled to  
28 recover noneconomic losses to compensate for pain, suffering,  
inconvenience, physical impairment, disfigurement and other

1 nonpecuniary damage.

2 (b) In no action shall the amount of damages for noneconomic  
3 losses exceed two hundred fifty thousand dollars (\$250,000).”  
4 (California Civil Code §3333.2)

5 **C. Plaintiff’s Injuries Resulted From Medical Negligence**

6 ***1. Liability***

7 Based on the Court’s factual findings, the Court concludes that the conduct of  
8 the physician-surgeons in this case fell below the standard of care in the community  
9 in the following respects:

10 (1) The surgery was performed below the standard of care because Surgifoam  
11 that was not properly removed from the disc area where it expanded, and put  
12 pressure on the spinal cord, and caused Mr. Johnson to suffer from  
13 quadriplegia;

14 (2) The surgeons were dilatory in conducting a post-operative examination of  
15 Mr. Johnson to assess whether or not he might be suffering from complications  
16 resulting from the surgery;

17 (3) When an MRI study was finally ordered, the surgeons failed to properly  
18 assess Mr. Johnson’s condition, failed to consider all relevant data in reviewing  
19 the MRI images, and failed to obtain assistance from a radiologist in reviewing  
20 and assessing the images;

21 (4) Although the MRI images indicated surgical intervention as a reasonable  
22 course of action under the circumstances, the surgeons unreasonably rejected  
23 that course of action and further failed to properly advise the patient of the  
24 information available to them and the possible action that could be taken in  
25 those circumstances.

26  
27 As a result of these failures, Mr. Johnson’s condition became irreparable.  
28 Based on Dr. Van Damm’s assessment of the evidence, the Court concludes that

1 prompt surgical intervention would have relieved the pressure on Mr. Johnson's spine  
2 and avoided permanent damage. In short, the evidence establishes that Mr. Johnson's  
3 current condition was caused by the actions of the surgeons that fell below the  
4 standard of care.

## 5 **2. Damages**

6 The Court concludes that the non-economic damages suffered by Mr. Johnson,  
7 that is, the pain, suffering, loss of enjoyment of life, anxiety and frustration, to name a  
8 few of the elements of non-economic damages, far exceed the maximum which may  
9 be awarded in California and that he is therefore entitled to \$250,000.00 for his non-  
10 economic damages.

11 Mr. Johnson and his family have incurred past medical and care expenses.  
12 Evidence was presented that the past out-of-pocket expenses have totaled \$92,397.98.

13 In addition, Medicare and Medicaid claim liens in the amounts of \$14,236.22  
14 and \$16,650.28.

15 California law allows reimbursement to an injured plaintiff of the reasonable  
16 value of the care rendered to him even if it is by his family members and even if there  
17 is no expectation of payment. The reasonable value of the nursing services rendered  
18 to Mr. Johnson is an economic loss Mr. Johnson is entitled to claim as part of this  
19 case. See Hanif v. Housing Authority of Yolo County, 200 Cal. App. 3rd 635, 644-  
20 646 (1988):

21 "It is established that "[t]he reasonable value of nursing  
22 services required by the defendant's tortious conduct may be  
23 recovered from the defendant even though the services were  
24 rendered by members of the injured person's family and  
25 without an agreement or expectation of payment. Where  
26 services in the way of attendance and nursing are rendered  
27 by a member of the plaintiff's family, the amount for which  
28 the defendant is liable is the amount for which reasonably  
competent nursing and attendance by others could have  
been obtained. The fact that the injured party had a legal

1 right to the nursing services (as in the case of a spouse) does  
2 not, as a general rule, prevent recovery of their value, ...'  
3 (Citations.)

4 “Thus, in *Rodriguez v. McDonnell Douglas Corp.*  
5 (1978) 87 Cal.App.3d 626 [151 Cal.Rptr. 399], the plaintiff  
6 was entitled to recover the reasonable value of 24-hour  
7 home attendant care provided by his spouse and necessitated  
8 by the defendant's tortious conduct: ‘We reject the premise  
9 that the cost of attendant care, past or future, should not  
10 have been an item for consideration by the jury because of  
11 the presence of [the plaintiff's wife]. It is not part of her  
12 duties as a wife to render 24-hour-a-day attendant care.’  
13 (Id., at p. 661.) Moreover, the jury was entitled to calculate  
14 the reasonable value of that care on the basis of  
15 uncontroverted evidence respecting the wage ordinarily paid  
16 to those who provide such services. (Id., at pp. 661-662.)”

15 Ms. Barnes testified that the reasonable value of the type of nursing services  
16 provided by Alisa Malone was between \$17.00 and \$23.00. Multiplying the number  
17 of hours Ms. Malone provided to her father between November 2006 and September  
18 2007 by the average of these figures, \$20.00, results in \$96,000.00.

19 As for future economic damages, I find the Life Care Plan and the forensic  
20 economic workup presented by Dr. Barchuk, Ms. Barnes and Ms. Bleecker to be the  
21 more persuasive.

22 With respect to Life Expectancy, the Court adopts the life expectancy from the  
23 table published by the National Spinal Cord Injury Statistical Center for individuals  
24 with Motor Functional Any Level which lists a life expectancy of 11.1 years for a  
25 person who is 70 years old. At the conclusion of the trial, the Court requested  
26 plaintiff's counsel to have his forensic economist recalculate the present value and  
27 future value of the loss suffered by Mr. Johnson using a life expectancy of 11.1 years.  
28 Based on this recalculation, the present value of the future economic loss is

1 \$3,812,852.00 and the future value is \$4,632,287.00. A copy of Ms. Bleecker's  
2 updated report dated October 6, 2009 is attached hereto as Exhibit 1.

3 **3. Award**

4 In summary, the Court concludes that plaintiff is entitled to the following:

<b>Non-Economic Damages</b>		\$250,000.00
<b>Economic Damages</b>		
<b>Past Medical and Care Expenses</b>		
Past Medical Expenses (Ex. 74)	\$92,397.98	
Medicare Lien (Ex. 75)	\$14,236.22	
Medicaid Lien (Ex. 118)	\$16,650.28	
Value of Past Family Nursing Services	\$96,000.00	
<b>Subtotal Past Economic Damages</b>	<b>\$219,284.48</b>	\$219,284.48
<b>Present Value of Future Medical and Care Expenses</b>		
Home Modifications to Daughter's Home	\$44,900.00	
One Time Cost per Ms. Barnes Life Care Plan	\$14,835.00	
Future Medical Expenses - Present Value	\$3,812,900.00	
<b>Subtotal Present Value of Future Economic Damages</b>	<b>\$3,872,635.00</b>	\$3,872,635.00
<b>TOTAL .....</b>		<b>\$4,341,919.48</b>

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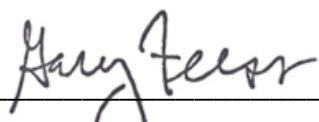
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1 For purposes of evaluating proposed future periodic payments, I find the *future*  
2 *undiscounted value* of the future economic damages to be \$4,632,300.00.

3 Judgment shall therefore be entered in favor of Alvin Johnson in the amount of  
4 \$4,341,919.48.

5 IT IS SO ORDERED this 23rd day of October, 2009.

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8 \_\_\_\_\_  
9 Hon. Gary Allen Feess  
10 United States District Judge

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**EXHIBIT 1**

**SUSAN P. BLEECKER**

CERTIFIED PUBLIC ACCOUNTANT

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Economic Damages Valued in the Case  
***Alvin Johnson v. United States of America***  
U.S.D.C. Case No. 2:07-CV-07973 GAF (PJWx)

Prepared for  
Sean M. Burke, Esquire

January 23, 2009  
*Updated October 6, 2009*

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I was contacted in November 2008 by plaintiff's counsel to calculate the past and future life care costs of Alvin Johnson as a result of the alleged medical negligence by the defendant. This updated report includes only the future life care costs of Mr. Johnson. This updated report also calculates the future care costs assuming a life expectancy for Mr. Johnson of 11.1 years. The following is my report and summary of calculations and opinions rendered.

The calculations were summarized in Table 1. The date of July 1, 2009 separates the past calculations from the future calculations.

***Sources of Information***

The following sources were considered:

1. Physical Medicine and Rehabilitation Life Care Planning Consultation submitted by Alex Barchuk, M.D.
2. Life Care Plan Worksheet prepared by Dr. Alex Barchuk.
3. Estimate of Future Health Care Costs Life Care Plan prepared by Anne Barnes, RN, Certified Nurse Life Care Planner.
4. Copies of medical bills and expenses, including copies of some of the checks written for the amounts paid.
5. Telephone conversations with Anne Barnes, RN.

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Re: Johnson

6. Correspondence from and telephone conversations with counsel.

In addition, various government and industry data were utilized, as cited.

### ***Facts and Assumptions***

The calculations were based on the following:

1. Future life care needs were calculated based on the needs and costs as reported in the Estimate of Future Health Care Costs Life Care Plan prepared by Anne Barnes, RN, Certified Nurse Life Care Planner dated January 13, 2009. Annual costs were increased based on various sectors of the Consumer Price Index.<sup>1</sup>
2. As of the present value date, July 1, 2009, Mr. Johnson's age was 70.20 years and his normal statistical life expectancy is to age 83.78,<sup>2</sup> which is a remaining life expectancy of 13.58 years.<sup>3</sup> Future life care costs reported to be needed over Mr. Johnson's life were calculated on an annual basis to Mr. Johnson's reduced life expectancy of 11.1 years<sup>4</sup> from the present value date of July 1, 2009.
3. For present value calculations, a discount rate of 3.5 percent per year was applied to the future life care costs, based on current average yields on U.S. Treasury STRIPS (zero coupon bonds) over the period of future needs.

The following tables detail the calculations and are an integral part of this report.

Respectfully submitted,



Susan P. Bleecker

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<sup>1</sup> U.S. Department of Labor, Bureau of Labor Statistics.

<sup>2</sup> U.S. Department of Health and Human Services, Vital Statistics for the United States, 2004, published December 28, 2007.

<sup>3</sup> 83.78 - 70.20 = 13.58 years.

<sup>4</sup> Per Judge's Order.

January 23, 2009 (Updated October 6, 2009)

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Re: Johnson

Table 1  
**Summary of Economic Damages**

Alvin Johnson  
(as of July 1, 2009)

	<u>Present Value</u>	<u>Future Value</u>
1 Future care costs	<u>\$3,812,900</u>	<u>\$4,632,300</u>

These calculations were reduced to the present cash value in accordance with CACI § 3904. Future values were calculated pursuant to CCP § 667.7.

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1 Tables 4 and 5

January 23, 2009 (Updated October 6, 2009)

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Re: Johnson

Table 2  
**Plaintiff's Data**  
 (as of July 1, 2009)

Plaintiff	Alvin Johnson	
Present Value Date	07/01/09	
Date of Birth	04/20/39	
Date of Incident	10/17/05	
Age at Incident	66.5 years	
Age at Present	70.2 years	
Years Lapsed Since Incident	3.7 years	
<sup>1</sup> Life Expectancy		
Normal statistical (to age 83.78)	13.58 years	(01/29/23)
Reduced per Judge's Order	11.10 years	(08/06/20)

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<sup>1</sup> U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, Vital Statistics for the United States, 2004.

January 23, 2009 (Updated October 6, 2009)

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Re: Johnson

Table 3  
**Growth and Discount Rates**

<b><i>Growth Rates</i></b>	<u>Future</u>
1 Care costs	
CN Tech care	<b>3.0%</b>
Services by other medical professionals	<b>3.0%</b>
Nonprescription medications	<b>1.0%</b>
Prescription medications	<b>3.5%</b>
Mobility and transfer	<b>1.0%</b>
Exercise and therapy	<b>3.0%</b>
Physicians	<b>3.0%</b>
Durable medical equipment / other	<b>1.0%</b>
Diagnostics / Procedures	<b>6.0%</b>
Potential hospitalizations	<b>6.0%</b>
Transportation	<b>3.0%</b>
2 <b><i>Discount Rate</i></b>	<b>3.5%</b>

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1 U.S. Department of Labor, Bureau of Labor Statistics, Consumer Price Index, various sectors.

2 Based on current average yields on U.S. Treasury STRIPS (zero coupon bonds) over the period of future needs.

January 23, 2009 (Updated October 6, 2009)

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Re: Johnson

Table 4  
**Present Value of Future Care Costs**  
(as of July 1, 2009)

04/20/39		CNT / LPN	Medications	Mobility and Transfer	Exercise and Therapy	Physicians	Supportive Services	Durable Medical Equipment	Diagnostics/ Procedures	Potential Hospitalizations	Transportation	Annual Total	Cumulative Total
<b>Growth rate</b>		3.0%	Various	1.0%	3.0%	3.0%	3.0%	1.0%	6.0%	6.0%	3.0%		
<b>Discount rate</b>		3.5%											
	<u>Period</u>	<u>Age</u>											
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$247,871	\$5,766	\$4,920	\$16,381	\$2,671	\$1,057	\$4,866	\$19,795	\$49,525	\$39,903	\$392,756
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	\$246,674	5,751	4,801	1,575	2,658	1,052	4,748	\$20,273	50,721	0	338,253
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	\$245,482	5,736	4,685	1,567	2,646	1,047	4,633	\$20,763	51,946	0	338,505
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	\$244,296	5,721	4,572	1,559	2,633	1,042	4,522	\$21,265	53,201	0	338,811
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	\$243,116	5,707	4,462	1,552	2,620	1,037	4,412	\$21,778	54,486	0	339,170
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	\$241,941	5,693	4,354	1,544	2,607	1,032	4,306	\$22,304	55,802	0	339,583
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	\$240,773	5,680	4,249	1,537	2,595	1,027	4,202	\$22,843	57,150	0	340,054
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	\$239,609	5,666	1,602	1,529	2,582	1,022	3,553	\$23,395	58,530	0	337,490
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	\$238,452	5,653	1,564	1,522	2,570	1,017	3,467	\$23,960	59,944	0	338,149
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	\$237,300	5,641	1,526	1,515	2,557	1,012	3,384	\$24,539	61,392	0	338,865
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	\$236,153	5,628	1,141	1,507	2,545	1,007	2,606	\$25,131	62,874	0	338,594
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	\$22,585	540	107	144	243	96	244	\$2,474	6,188	0	32,622
			\$2,684,251	\$63,182	\$37,984	\$31,933	\$28,928	\$11,451	\$44,943	\$248,521	\$621,757	\$39,903	<b>\$3,812,852</b>

Table 5  
Undiscounted Future Care Costs

04/20/39		CNT / LPN	Medications	Mobility and Transfer	Exercise and Therapy	Physicians	Supportive Services	Durable Medical Equipment	Diagnostics/ Procedures	Potential Hospitalizations	Transportation	Annual Total	Cumulative Total	
<b>Growth rate</b>		3.0%	Various	1.0%	3.0%	3.0%	3.0%	1.0%	6.0%	6.0%	3.0%			
<b>Discount rate</b>		0.0%												
	Period	Age												
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$252,172	\$5,866	\$5,006	\$16,665	\$2,718	\$1,076	\$4,950	\$20,139	\$50,384	\$40,596	\$399,570	\$399,570
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	\$259,737	6,055	5,056	1,658	2,799	1,108	5,000	\$21,347	53,407	0	356,166	755,736
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	\$267,529	6,251	5,106	1,708	2,883	1,141	5,050	\$22,628	56,611	0	368,907	1,124,643
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	\$275,555	6,453	5,157	1,759	2,970	1,176	5,100	\$23,986	60,008	0	382,163	1,506,806
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	\$283,821	6,662	5,209	1,812	3,059	1,211	5,151	\$25,425	63,608	0	395,958	1,902,763
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	\$292,336	6,879	5,261	1,866	3,150	1,247	5,203	\$26,950	67,425	0	410,317	2,313,080
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	\$301,106	7,103	5,313	1,922	3,245	1,285	5,255	\$28,567	71,470	0	425,266	2,738,346
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	\$310,139	7,334	2,074	1,980	3,342	1,323	4,599	\$30,281	75,758	0	436,831	3,175,178
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	\$319,443	7,574	2,095	2,039	3,443	1,363	4,645	\$32,098	80,304	0	453,003	3,628,181
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	\$329,027	7,821	2,116	2,100	3,546	1,404	4,692	\$34,024	85,122	0	469,851	4,098,032
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	\$338,897	8,077	1,637	2,163	3,652	1,446	3,739	\$36,065	90,230	0	485,908	4,583,940
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	\$33,472	800	159	214	361	143	362	\$3,666	9,171	0	48,347	4,632,287
			<b>\$3,263,233</b>	<b>\$76,876</b>	<b>\$44,189</b>	<b>\$35,885</b>	<b>\$35,167</b>	<b>\$13,921</b>	<b>\$53,745</b>	<b>\$305,176</b>	<b>\$763,498</b>	<b>\$40,596</b>	<b>\$4,632,287</b>	

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## Appendix A

**Future and Present Value of Care Costs***Living Arrangement and Supportive Services*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
			CN Tech		LPN Visits		Total	
<b>Annual cost</b>			\$197,064	\$197,064	\$51,408	\$51,408	\$248,472	\$248,472
<b>Growth rate</b>			3.0%	3.0%	3.0%	3.0%		
<b>Discount rate</b>			3.5%					
	Period	Age						
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$199,998	\$196,587	\$52,173	\$51,284	\$252,172	\$247,871
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	205,998	195,638	53,739	51,036	259,737	246,674
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	212,178	194,692	55,351	50,789	267,529	245,482
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	218,543	193,752	57,011	50,544	275,555	244,296
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	225,100	192,816	58,722	50,300	283,821	243,116
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	231,853	191,884	60,483	50,057	292,336	241,941
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	238,808	190,958	62,298	49,815	301,106	240,773
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	245,972	190,035	64,167	49,574	310,139	239,609
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	253,352	189,117	66,092	49,335	319,443	238,452
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	260,952	188,203	68,074	49,097	329,027	237,300
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	268,781	187,294	70,117	48,859	338,897	236,153
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	26,547	17,912	6,925	4,673	33,472	22,585
			<b>\$2,588,082</b>	<b>\$2,128,889</b>	<b>\$675,152</b>	<b>\$555,362</b>	<b>\$3,263,233</b>	<b>\$2,684,251</b>

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Appendix B (1 of 3)  
**Future and Present Value of Care Costs**  
 Medications

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
			Dulcolax		DSS		Oxybutrin		Therap.	Vitamin	Ranitidine		Subseq.	Page	Total	
<b>Annual cost</b>			\$102	\$102	\$37	\$37	\$1,095	\$1,095	\$84	\$84	\$197	\$197	\$4,259	\$4,259	\$5,774	\$5,774
<b>Growth rate</b>			1.0%	1.0%	1.0%	1.0%	3.5%	3.5%	1.0%	1.0%	3.5%	3.5%				
<b>Discount rate</b>			3.5%													
	Period	Age	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$103	\$101	\$37	\$36	\$1,114	\$1,095	\$84	\$83	\$201	\$197	\$4,328	\$4,254	\$5,866	\$5,766
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	104	99	37	35	1,153	1,095	85	81	208	197	4,469	4,244	6,055	5,751
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	105	96	37	34	1,193	1,095	86	79	215	197	4,615	4,234	6,251	5,736
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	106	94	38	34	1,235	1,095	87	77	222	197	4,765	4,225	6,453	5,721
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	107	92	38	33	1,278	1,095	88	75	230	197	4,921	4,215	6,662	5,707
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	108	89	39	32	1,323	1,095	89	73	238	197	5,082	4,206	6,879	5,693
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	109	87	39	31	1,369	1,095	90	72	246	197	5,249	4,197	7,103	5,680
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	110	85	39	30	1,417	1,095	90	70	255	197	5,422	4,189	7,334	5,666
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	111	83	40	30	1,467	1,095	91	68	264	197	5,600	4,180	7,574	5,653
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	112	81	40	29	1,518	1,095	92	67	273	197	5,785	4,172	7,821	5,641
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	113	79	41	28	1,571	1,095	93	65	283	197	5,976	4,164	8,077	5,628
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	11	7	4	3	156	105	9	6	28	19	592	399	800	540
			<b>\$1,199</b>	<b>\$993</b>	<b>\$428</b>	<b>\$355</b>	<b>\$14,796</b>	<b>\$12,150</b>	<b>\$985</b>	<b>\$816</b>	<b>\$2,663</b>	<b>\$2,187</b>	<b>\$56,804</b>	<b>\$46,681</b>	<b>\$76,876</b>	<b>\$63,182</b>

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Appendix B (2 of 3)  
**Future and Present Value of Care Costs**  
 Medications

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
			Baclofen		Dulcolax	Supp.	Tylenol		Vitamin C		Lyrica		Subseq.	Page	Total	
<b>Annual cost</b>			\$504	\$504	\$156	\$156	\$29	\$29	\$88	\$88	\$2,190	\$2,190	\$1,293	\$1,293	\$4,259	\$4,259
<b>Growth rate</b>			3.5%	3.5%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	3.5%	3.5%				
<b>Discount rate</b>	3.5%															
	<u>Period</u>	<u>Age</u>														
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$512	\$504	\$157	\$154	\$29	\$29	\$88	\$87	\$2,228	\$2,190	\$1,313	\$1,291	\$4,328	\$4,254
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	530	504	158	150	30	28	89	84	2,306	2,190	1,355	1,287	4,469	4,244
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	549	504	160	147	30	27	90	82	2,387	2,190	1,399	1,284	4,615	4,234
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	568	504	162	143	30	27	91	80	2,470	2,190	1,444	1,281	4,765	4,225
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	588	504	163	140	31	26	92	78	2,557	2,190	1,491	1,277	4,921	4,215
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	609	504	165	136	31	26	93	77	2,646	2,190	1,540	1,274	5,082	4,206
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	630	504	166	133	31	25	93	75	2,739	2,190	1,590	1,271	5,249	4,197
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	652	504	168	130	31	24	94	73	2,835	2,190	1,641	1,268	5,422	4,189
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	675	504	170	127	32	24	95	71	2,934	2,190	1,695	1,265	5,600	4,180
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	698	504	171	124	32	23	96	69	3,037	2,190	1,750	1,262	5,785	4,172
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	723	504	173	121	32	23	97	68	3,143	2,190	1,807	1,259	5,976	4,164
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	72	48	17	11	3	2	9	6	312	210	179	121	592	399
			<u>\$6,806</u>	<u>\$5,589</u>	<u>\$1,830</u>	<u>\$1,516</u>	<u>\$343</u>	<u>\$284</u>	<u>\$1,028</u>	<u>\$851</u>	<u>\$29,592</u>	<u>\$24,300</u>	<u>\$17,205</u>	<u>\$14,141</u>	<u>\$56,804</u>	<u>\$46,681</u>

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Appendix B (3 of 3)  
**Future and Present Value of Care Costs**  
*Medications*

04/20/39

	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
	Septra		Fosamax		Calcium w/ Vit. D		GU Irritant		Total			
<b>Annual cost</b>	\$730	\$730	\$416	\$416	\$15	\$15	\$132	\$132	\$1,293	\$1,293		
<b>Growth rate</b>	3.5%	3.5%	3.5%	3.5%	1.0%	1.0%	1.0%	1.0%				
<b>Discount rate</b>	3.5%											
	<u>Period</u>	<u>Age</u>										
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$743	\$730	\$423	\$416	\$15	\$14	\$133	\$130	\$1,313	\$1,291
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	769	730	438	416	15	14	134	127	1,355	1,287
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	796	730	453	416	15	14	135	124	1,399	1,284
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	823	730	469	416	15	13	137	121	1,444	1,281
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	852	730	486	416	15	13	138	118	1,491	1,277
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	882	730	503	416	15	13	139	115	1,540	1,274
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	913	730	520	416	16	12	141	113	1,590	1,271
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	945	730	538	416	16	12	142	110	1,641	1,268
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	978	730	557	416	16	12	144	107	1,695	1,265
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	1,012	730	577	416	16	12	145	105	1,750	1,262
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	1,048	730	597	416	16	11	147	102	1,807	1,259
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	104	70	59	40	2	1	14	10	179	121
			<u>\$9,864</u>	<u>\$8,100</u>	<u>\$5,621</u>	<u>\$4,616</u>	<u>\$171</u>	<u>\$142</u>	<u>\$1,549</u>	<u>\$1,283</u>	<u>\$17,205</u>	<u>\$14,141</u>

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Appendix C  
**Future and Present Value of Care Costs**  
*Mobility and Transfer*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
			Power W/C, et al.	W/C Maintenance	Manual W/C	W/C Maintenance	Roho Cushion	Standing Frame	Maintenance	Hoyer Lift	Sling	Total										
<b>Annual cost</b>			\$2,714	\$2,714	\$1,000	\$1,000	\$250	\$250	\$100	\$100	\$225	\$225	\$450	\$450	\$100	\$100	\$91	\$91	\$50	\$50	\$4,981	\$4,981
<b>Growth rate</b>			1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
<b>Discount rate</b>			3.5%																			
		Period	Age																			
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$2,728	\$2,681	\$1,005	\$988	\$251	\$247	\$100	\$99	\$226	\$222	\$452	\$445	\$100	\$99	\$92	\$90	\$50	\$49	\$5,006	\$4,920
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	2,755	2,617	1,015	964	254	241	102	96	228	217	457	434	102	96	93	88	51	48	5,056	4,801
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	2,783	2,553	1,025	941	256	235	103	94	231	212	461	423	103	94	94	86	51	47	5,106	4,685
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	2,810	2,492	1,035	918	259	229	104	92	233	207	466	413	104	92	95	84	52	46	5,157	4,572
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	2,839	2,431	1,046	896	261	224	105	90	235	202	471	403	105	90	96	82	52	45	5,209	4,462
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	2,867	2,373	1,056	874	264	219	106	87	238	197	475	393	106	87	97	80	53	44	5,261	4,354
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	2,896	2,315	1,067	853	267	213	107	85	240	192	480	384	107	85	98	78	53	43	5,313	4,249
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	0	0	1,077	832	0	0	108	83	242	187	485	375	108	83	0	0	54	42	2,074	1,602
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	0	0	1,088	812	0	0	109	81	245	183	490	366	109	81	0	0	54	41	2,095	1,564
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	0	0	1,099	793	0	0	110	79	247	178	495	357	110	79	0	0	55	40	2,116	1,526
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	0	0	1,110	774	0	0	111	77	250	174	0	0	111	77	0	0	56	39	1,637	1,141
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	0	0	108	73	0	0	11	7	24	16	0	0	11	7	0	0	5	4	159	107
			<b>\$19,677</b>	<b>\$17,462</b>	<b>\$11,732</b>	<b>\$9,717</b>	<b>\$1,812</b>	<b>\$1,608</b>	<b>\$1,173</b>	<b>\$972</b>	<b>\$2,640</b>	<b>\$2,186</b>	<b>\$4,731</b>	<b>\$3,992</b>	<b>\$1,173</b>	<b>\$972</b>	<b>\$663</b>	<b>\$588</b>	<b>\$587</b>	<b>\$486</b>	<b>\$44,189</b>	<b>\$37,984</b>

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## Appendix D

**Future and Present Value of Care Costs***Exercise and Therapy*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
			<u>Physical Therapy</u>		<u>Physical Therapy</u>		<u>Occupational Therapy</u>		<u>Occupational Therapy</u>		<u>Total</u>	
<b>Annual cost</b>			\$7,031	\$7,031	\$981	\$981	\$7,805	\$7,805	\$605	\$605		
<b>Growth rate</b>			3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%		
<b>Discount rate</b>	3.5%											
	<u>Period</u>	<u>Age</u>										
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$7,135	\$7,013	\$996	\$979	\$7,921	\$7,786	\$614	\$604	\$16,665	\$16,381
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	0	0	1,025	974	0	0	632	601	1,658	1,575
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	0	0	1,056	969	0	0	651	598	1,708	1,567
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	0	0	1,088	965	0	0	671	595	1,759	1,559
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	0	0	1,121	960	0	0	691	592	1,812	1,552
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	0	0	1,154	955	0	0	712	589	1,866	1,544
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	0	0	1,189	951	0	0	733	586	1,922	1,537
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	0	0	1,224	946	0	0	755	583	1,980	1,529
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	0	0	1,261	941	0	0	778	581	2,039	1,522
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	0	0	1,299	937	0	0	801	578	2,100	1,515
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	0	0	1,338	932	0	0	825	575	2,163	1,507
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	0	0	132	89	0	0	82	55	214	144
			<u>\$7,135</u>	<u>\$7,013</u>	<u>\$12,884</u>	<u>\$10,598</u>	<u>\$7,921</u>	<u>\$7,786</u>	<u>\$7,946</u>	<u>\$6,536</u>	<u>\$35,885</u>	<u>\$31,933</u>

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Appendix E (1 of 2)  
**Future and Present Value of Care Costs**

*Physicians*

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		F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	
		Phys. Med / Rehab	Pain Management	Urology	Neurosurgery	Int. Med.	Ortho. Surgeon	Subseq. Page	Total									
<b>Annual cost</b>		\$431	\$431	\$431	\$431	\$185	\$185	\$31	\$31	\$1,107	\$1,107	\$21	\$21	\$474	\$474	\$2,678	\$2,678	
<b>Growth rate</b>		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%					
<b>Discount rate</b>	3.5%																	
Year	Period	Age	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$437	\$429	\$437	\$429	\$187	\$184	\$31	\$31	\$1,123	\$1,104	\$21	\$20	\$481	\$473	\$2,718	\$2,671
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	450	427	450	427	193	183	32	31	1,157	1,099	21	20	495	471	2,799	2,658
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	464	425	464	425	199	182	33	30	1,192	1,094	22	20	510	468	2,883	2,646
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	477	423	477	423	205	181	34	30	1,228	1,088	23	20	526	466	2,970	2,633
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	492	421	492	421	211	181	35	30	1,264	1,083	23	20	541	464	3,059	2,620
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	506	419	506	419	217	180	36	30	1,302	1,078	24	20	558	462	3,150	2,607
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	522	417	522	417	224	179	37	30	1,341	1,073	25	20	574	459	3,245	2,595
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	537	415	537	415	230	178	38	30	1,382	1,068	26	20	592	457	3,342	2,582
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	553	413	553	413	237	177	40	30	1,423	1,062	26	20	609	455	3,443	2,570
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	570	411	570	411	244	176	41	29	1,466	1,057	27	20	628	453	3,546	2,557
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	587	409	587	409	252	175	42	29	1,510	1,052	28	19	647	450	3,652	2,545
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	58	39	58	39	25	17	4	3	149	101	3	2	64	43	361	243
			<u>\$5,654</u>	<u>\$4,651</u>	<u>\$5,654</u>	<u>\$4,651</u>	<u>\$2,423</u>	<u>\$1,993</u>	<u>\$404</u>	<u>\$332</u>	<u>\$14,538</u>	<u>\$11,959</u>	<u>\$269</u>	<u>\$221</u>	<u>\$6,225</u>	<u>\$5,121</u>	<u>\$35,167</u>	<u>\$28,928</u>

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Appendix E (2 of 2)  
**Future and Present Value of Care Costs**  
*Physicians*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
			Plastic Surgeon	Gastroenterology	Dermatology	Psych.	Cardiologist	Pulmonologist	Dentist	Total								
<b>Annual cost</b>			\$21	\$21	\$21	\$21	\$21	\$21	\$323	\$323	\$0	\$0	\$0	\$0	\$90	\$90	\$474	\$474
<b>Growth rate</b>			3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%		
<b>Discount rate</b>			3.5%															
	Period	Age	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$21	\$20	\$21	\$20	\$21	\$20	\$327	\$322	\$0	\$0	\$0	\$0	\$91	\$90	\$481	\$473
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	21	20	21	20	21	20	337	320	0	0	0	0	94	89	495	471
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	22	20	22	20	22	20	347	319	0	0	0	0	97	89	510	468
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	23	20	23	20	23	20	358	317	0	0	0	0	100	88	526	466
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	23	20	23	20	23	20	368	316	0	0	0	0	103	88	541	464
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	24	20	24	20	24	20	379	314	0	0	0	0	106	88	558	462
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	25	20	25	20	25	20	391	313	0	0	0	0	109	87	574	459
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	26	20	26	20	26	20	403	311	0	0	0	0	112	87	592	457
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	26	20	26	20	26	20	415	309	0	0	0	0	116	86	609	455
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	27	20	27	20	27	20	427	308	0	0	0	0	119	86	628	453
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	28	19	28	19	28	19	440	307	0	0	0	0	123	86	647	450
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	3	2	3	2	3	2	43	29	0	0	0	0	12	8	64	43
			<u>\$269</u>	<u>\$221</u>	<u>\$269</u>	<u>\$221</u>	<u>\$269</u>	<u>\$221</u>	<u>\$4,235</u>	<u>\$3,484</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,182</u>	<u>\$972</u>	<u>\$6,225</u>	<u>\$5,121</u>

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## Appendix F

**Future and Present Value of Care Costs***Support Services*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
			Podiatrist		Dietitian		Nursing Case Manager		Total	
<b>Annual cost</b>			\$210	\$210	\$80	\$80	\$770	\$770	\$1,060	\$1,060
<b>Growth rate</b>			3.0%	3.0%	3.0%	3.0%	3.0%	3.0%		
<b>Discount rate</b>			3.5%							
	Period	Age	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$213	\$209	\$81	\$80	\$781	\$768	\$1,076	\$1,057
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	220	208	84	79	805	764	1,108	1,052
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	226	207	86	79	829	761	1,141	1,047
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	233	206	89	79	854	757	1,176	1,042
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	240	205	91	78	880	753	1,211	1,037
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	247	204	94	78	906	750	1,247	1,032
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	254	203	97	78	933	746	1,285	1,027
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	262	203	100	77	961	743	1,323	1,022
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	270	202	103	77	990	739	1,363	1,017
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	278	201	106	76	1,020	735	1,404	1,012
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	286	200	109	76	1,050	732	1,446	1,007
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	28	19	11	7	104	70	143	96
			<b>\$2,758</b>	<b>\$2,269</b>	<b>\$1,051</b>	<b>\$864</b>	<b>\$10,113</b>	<b>\$8,318</b>	<b>\$13,921</b>	<b>\$11,451</b>

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## Appendix G (1 of 3)

**Future and Present Value of Care Costs***Durable Medical Equipment / Other*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
			Shower Chair	Chair	Electr. Hosp. Bed	Hosp. Bed	Low Air Loss Matr.	Air Loss Matr.	Blood Press. Mach.	Blood Press. Mach.	Hand Splints: Bil	Hand Splints: Bil	Subs. Page	Subs. Page	Total	
<b>Annual cost</b>			\$300	\$300	\$300	\$300	\$357	\$357	\$24	\$24	\$750	\$750	\$3,194	\$3,194	\$4,926	\$4,926
<b>Growth rate</b>			1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%		
<b>Discount rate</b>			3.5%													
	Period	Age	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$301	\$296	\$301	\$296	\$359	\$353	\$24	\$24	\$754	\$741	\$3,210	\$3,156	\$4,950	\$4,866
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	305	289	305	289	363	344	24	23	761	723	3,242	3,079	5,000	4,748
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	308	282	308	282	366	336	25	23	769	706	3,275	3,005	5,050	4,633
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	311	275	311	275	370	328	25	22	777	688	3,308	2,932	5,100	4,522
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	314	269	314	269	373	320	25	21	784	672	3,341	2,862	5,151	4,412
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	317	262	317	262	377	312	25	21	792	656	3,374	2,792	5,203	4,306
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	320	256	320	256	381	305	26	20	800	640	3,408	2,725	5,255	4,202
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	0	0	323	250	0	0	26	20	808	624	3,442	2,659	4,599	3,553
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	0	0	326	244	0	0	26	19	816	609	3,476	2,595	4,645	3,467
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	0	0	330	238	0	0	26	19	824	595	3,511	2,532	4,692	3,384
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	0	0	0	0	0	0	27	19	833	580	2,880	2,007	3,739	2,606
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	0	0	0	0	0	0	3	2	81	54	279	188	362	244
			\$2,175	\$1,930	\$3,154	\$2,661	\$2,589	\$2,298	\$282	\$233	\$8,799	\$7,288	\$36,746	\$30,533	\$53,745	\$44,943

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## Appendix G (2 of 3)

**Future and Present Value of Care Costs***Durable Medical Equipment / Other*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
			Foot Splints: Bil.	Incont. Pads	White Pads	Suprapubic Cath.	60cc Syringe	Subs. Page	Total							
<b>Annual cost</b>			\$750	\$750	\$131	\$131	\$108	\$108	\$200	\$200	\$9	\$9	\$1,996	\$1,996	\$3,194	\$3,194
<b>Growth rate</b>			1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%		
<b>Discount rate</b>			3.5%													
	<u>Period</u>	<u>Age</u>														
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$754	\$741	\$132	\$130	\$109	\$107	\$201	\$198	\$9	\$9	\$2,006	\$1,972	\$3,210	\$3,156
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	761	723	133	127	110	104	203	193	9	9	2,026	1,924	3,242	3,079
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	769	706	135	124	111	102	205	188	9	8	2,046	1,878	3,275	3,005
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	777	688	136	121	112	99	207	184	9	8	2,067	1,832	3,308	2,932
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	784	672	137	118	113	97	209	179	9	8	2,087	1,788	3,341	2,862
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	792	656	139	115	114	94	211	175	10	8	2,108	1,745	3,374	2,792
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	800	640	140	112	115	92	213	171	10	8	2,129	1,703	3,408	2,725
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	808	624	142	109	116	90	215	166	10	7	2,151	1,662	3,442	2,659
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	816	609	143	107	118	88	218	162	10	7	2,172	1,621	3,476	2,595
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	824	595	144	104	119	86	220	159	10	7	2,194	1,582	3,511	2,532
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	833	580	146	102	120	84	222	155	10	7	1,550	1,080	2,880	2,007
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	81	54	14	10	12	8	22	15	1	1	150	101	279	188
			<u>\$8,799</u>	<u>\$7,288</u>	<u>\$1,542</u>	<u>\$1,277</u>	<u>\$1,267</u>	<u>\$1,049</u>	<u>\$2,346</u>	<u>\$1,943</u>	<u>\$106</u>	<u>\$87</u>	<u>\$22,687</u>	<u>\$18,888</u>	<u>\$36,746</u>	<u>\$30,533</u>

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Appendix G (3 of 3)  
**Future and Present Value of Care Costs**  
*Durable Medical Equipment / Other*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
			Drainage Bag		Gloves		Aquaphor		Voice-Act.	Computer	Env. Control Unit		Handyman		Total	
<b>Annual cost</b>			\$156	\$156	\$312	\$312	\$288	\$288	\$40	\$40	\$600	\$600	\$600	\$600	\$1,996	\$1,996
<b>Growth rate</b>			1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%		
<b>Discount rate</b>	3.5%															
	Period	Age	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$157	\$154	\$314	\$308	\$289	\$285	\$40	\$40	\$603	\$593	\$603	\$593	\$2,006	\$1,972
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	158	150	317	301	292	278	41	39	609	578	609	578	2,026	1,924
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	160	147	320	293	295	271	41	38	615	564	615	564	2,046	1,878
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	162	143	323	286	298	264	41	37	621	551	621	551	2,067	1,832
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	163	140	326	279	301	258	42	36	627	537	627	537	2,087	1,788
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	165	136	330	273	304	252	42	35	634	524	634	524	2,108	1,745
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	166	133	333	266	307	246	43	34	640	512	640	512	2,129	1,703
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	168	130	336	260	310	240	43	33	646	499	646	499	2,151	1,662
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	170	127	340	253	313	234	44	32	653	487	653	487	2,172	1,621
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	171	124	343	247	317	228	44	32	659	476	659	476	2,194	1,582
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	173	121	346	241	320	223	44	31	0	0	666	464	1,550	1,080
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	17	11	34	23	31	21	4	3	0	0	65	44	150	101
			<b>\$1,830</b>	<b>\$1,516</b>	<b>\$3,660</b>	<b>\$3,032</b>	<b>\$3,379</b>	<b>\$2,799</b>	<b>\$469</b>	<b>\$389</b>	<b>\$6,309</b>	<b>\$5,323</b>	<b>\$7,039</b>	<b>\$5,830</b>	<b>\$22,687</b>	<b>\$18,888</b>

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Appendix H (1 of 4)  
**Future and Present Value of Care Costs**  
*Diagnostics / Procedures*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
			CBC		CMP		Lipid Panel		PFTs		Sleep Study		UA, C&S		Subs. Page		Total	
<b>Annual cost</b>			\$49	\$49	\$153	\$153	\$73	\$73	\$52	\$52	\$90	\$90	\$1,863	\$1,863	\$17,280	\$17,280	\$19,561	\$19,561
<b>Growth rate</b>			6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%		
<b>Discount rate</b>			3.5%															
Year	Period	Age	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$50	\$50	\$158	\$155	\$75	\$74	\$54	\$53	\$93	\$91	\$1,918	\$1,885	\$17,791	\$17,488	\$20,139	\$19,795
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	53	51	167	159	80	76	57	54	98	93	2,033	1,931	18,859	17,910	21,347	20,273
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	57	52	177	162	84	77	60	55	104	95	2,155	1,978	19,990	18,343	22,628	20,763
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	60	53	188	166	90	79	64	57	110	98	2,284	2,025	21,190	18,786	23,986	21,265
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	64	55	199	170	95	81	68	58	117	100	2,422	2,074	22,461	19,240	25,425	21,778
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	68	56	211	174	101	83	72	59	124	103	2,567	2,124	23,809	19,704	26,950	22,304
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	72	57	223	179	107	85	76	61	131	105	2,721	2,176	25,237	20,180	28,567	22,843
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	76	59	237	183	113	87	81	62	139	108	2,884	2,228	26,752	20,668	30,281	23,395
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	80	60	251	187	120	89	86	64	148	110	3,057	2,282	28,357	21,167	32,098	23,960
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	85	61	266	192	127	92	91	65	156	113	3,241	2,337	30,058	21,678	34,024	24,539
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	90	63	282	197	135	94	96	67	166	116	3,435	2,394	31,861	22,202	36,065	25,131
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	9	6	29	19	14	9	10	7	17	11	349	236	3,239	2,185	3,666	2,474
			\$764	\$623	\$2,387	\$1,944	\$1,139	\$927	\$813	\$662	\$1,403	\$1,143	\$29,066	\$23,670	\$269,603	\$219,552	<b>\$305,176</b>	<b>\$248,521</b>

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Appendix H (2 of 4)  
**Future and Present Value of Care Costs**  
*Diagnostics / Procedures*

04/20/39

		F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	
		MRI		CT: Abdom/Pelvis	Persant. Thall. Scan	EMG: Bilateral	U/S: Bil Lwr Extrem.	Subs.	Page	Total						
<b>Annual cost</b>		\$733	\$733	\$481	\$481	\$106	\$106	\$53	\$53	\$270	\$270	\$15,638	\$15,638	\$17,280	\$17,280	
<b>Growth rate</b>		6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%			
<b>Discount rate</b>		3.5%														
	Period	Age														
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$754	\$741	\$495	\$487	\$109	\$107	\$55	\$54	\$277	\$273	\$16,100	\$15,826	\$17,791	\$17,488
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	799	759	525	498	116	110	58	55	294	279	17,067	16,208	18,859	17,910
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	847	778	556	510	123	113	62	57	312	286	18,090	16,600	19,990	18,343
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	898	796	590	523	130	115	65	58	330	293	19,176	17,001	21,190	18,786
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	952	816	625	535	138	118	69	59	350	300	20,326	17,411	22,461	19,240
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	1,009	835	662	548	146	121	73	61	371	307	21,546	17,832	23,809	19,704
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	1,070	855	702	561	155	124	78	62	394	315	22,839	18,263	25,237	20,180
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	1,134	876	744	575	164	127	83	64	417	322	24,209	18,704	26,752	20,668
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	1,202	897	789	589	174	130	88	65	442	330	25,662	19,155	28,357	21,167
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	1,274	919	836	603	185	133	93	67	469	338	27,201	19,618	30,058	21,678
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	1,351	941	886	618	196	136	98	69	497	346	28,834	20,092	31,861	22,202
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	137	93	90	61	20	13	10	7	51	34	2,931	1,978	3,239	2,185
			<u>\$11,428</u>	<u>\$9,307</u>	<u>\$7,500</u>	<u>\$6,108</u>	<u>\$1,656</u>	<u>\$1,349</u>	<u>\$832</u>	<u>\$678</u>	<u>\$4,205</u>	<u>\$3,424</u>	<u>\$243,981</u>	<u>\$198,687</u>	<u>\$269,603</u>	<u>\$219,552</u>

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Appendix H (3 of 4)  
**Future and Present Value of Care Costs**  
*Diagnostics / Procedures*

04/20/39

		F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	
		Renal Scan		Colonoscopy		Cystoscopy		Urodynamic Testing		VCU		Subs. Page		Total		
<b>Annual cost</b>		\$317	\$317	\$594	\$594	\$100	\$100	\$738	\$738	\$275	\$275	\$13,614	\$13,614	\$15,638	\$15,638	
<b>Growth rate</b>		6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	
<b>Discount rate</b>	3.5%															
	<u>Period</u>	<u>Age</u>														
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$327	\$321	\$612	\$601	\$103	\$101	\$760	\$747	\$283	\$278	\$14,016	\$13,777	\$16,100	\$15,826
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	346	329	649	616	109	104	805	765	300	285	14,857	14,110	17,067	16,208
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	367	337	687	631	116	106	854	783	318	292	15,749	14,451	18,090	16,600
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	389	345	729	646	123	109	905	802	337	299	16,694	14,800	19,176	17,001
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	412	353	772	662	130	111	959	822	357	306	17,695	15,158	20,326	17,411
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	437	362	819	678	138	114	1,017	842	378	313	18,757	15,524	21,546	17,832
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	463	371	868	694	146	117	1,078	862	401	321	19,883	15,899	22,839	18,263
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	491	380	920	711	155	120	1,142	883	425	329	21,075	16,283	24,209	18,704
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	521	389	975	728	164	122	1,211	904	451	336	22,340	16,676	25,662	19,155
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	552	398	1,034	745	174	125	1,284	926	478	345	23,680	17,079	27,201	19,618
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	585	408	1,096	763	184	128	1,361	948	506	353	25,101	17,491	28,834	20,092
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	59	40	111	75	19	13	138	93	51	35	2,551	1,722	2,931	1,978
			\$4,951	\$4,032	\$9,271	\$7,550	\$1,560	\$1,271	\$11,514	\$9,376	\$4,285	\$3,490	\$212,400	\$172,968	\$243,981	\$198,687

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Appendix H (4 of 4)  
**Future and Present Value of Care Costs**  
*Diagnostics / Procedures*

04/20/39

	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.		
	Skin Flap Surgery		Hemorrhoidectomy		Joint/Trig Pt Inj.		Arthr: Shoulders		X-Rays		Bone Density		Total			
<b>Annual cost</b>	\$10,788	\$10,788	\$842	\$842	\$136	\$136	\$1,555	\$1,555	\$100	\$100	\$194	\$194	\$13,614	\$13,614		
<b>Growth rate</b>	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%				
<b>Discount rate</b>	3.5%															
	<u>Period</u>	<u>Age</u>														
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$11,106	\$10,917	\$867	\$852	\$140	\$137	\$1,600	\$1,573	\$103	\$101	\$200	\$196	\$14,016	\$13,777
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	11,773	11,181	919	873	148	141	1,696	1,611	109	104	212	201	14,857	14,110
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	12,479	11,451	974	894	157	144	1,798	1,650	116	106	224	206	15,749	14,451
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	13,228	11,727	1,033	916	166	148	1,906	1,690	123	109	238	211	16,694	14,800
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	14,022	12,011	1,095	938	176	151	2,021	1,731	130	111	252	216	17,695	15,158
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	14,863	12,301	1,160	960	187	155	2,142	1,773	138	114	267	221	18,757	15,524
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	15,755	12,598	1,230	983	198	159	2,270	1,815	146	117	283	227	19,883	15,899
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	16,700	12,902	1,304	1,007	210	162	2,406	1,859	155	120	300	232	21,075	16,283
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	17,702	13,214	1,382	1,032	223	166	2,551	1,904	164	122	318	238	22,340	16,676
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	18,764	13,533	1,465	1,057	236	170	2,704	1,950	174	125	337	243	23,680	17,079
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	19,890	13,860	1,553	1,082	250	174	2,866	1,997	184	128	358	249	25,101	17,491
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	2,022	1,364	158	106	25	17	291	197	19	13	36	25	2,551	1,722
			<u>\$168,303</u>	<u>\$137,058</u>	<u>\$13,139</u>	<u>\$10,700</u>	<u>\$2,118</u>	<u>\$1,725</u>	<u>\$24,253</u>	<u>\$19,750</u>	<u>\$1,560</u>	<u>\$1,271</u>	<u>\$3,027</u>	<u>\$2,465</u>	<u>\$212,400</u>	<u>\$172,968</u>

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## Appendix I

**Future and Present Value of Care Costs***Potential Hospitalizations*

04/20/39

			F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
			ER Visits		Acute Hospitalization		Total	
<b>Annual cost</b>			\$1,265	\$1,265	\$47,672	\$47,672	\$48,937	\$48,937
<b>Growth rate</b>			6.0%	6.0%	6.0%	6.0%		
<b>Discount rate</b>			3.5%					
	Period	Age	F.V.	P.V.	F.V.	P.V.	F.V.	P.V.
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$1,302	\$1,280	\$49,081	\$48,244	\$50,384	\$49,525
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	1,381	1,311	52,026	49,410	53,407	50,721
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	1,463	1,343	55,148	50,603	56,611	51,946
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	1,551	1,375	58,457	51,825	60,008	53,201
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	1,644	1,408	61,964	53,077	63,608	54,486
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	1,743	1,442	65,682	54,359	67,425	55,802
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	1,847	1,477	69,623	55,672	71,470	57,150
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	1,958	1,513	73,800	57,017	75,758	58,530
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	2,076	1,550	78,228	58,394	80,304	59,944
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	2,200	1,587	82,922	59,805	85,122	61,392
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	2,332	1,625	87,897	61,249	90,230	62,874
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	237	160	8,934	6,028	9,171	6,188
			<b>\$19,736</b>	<b>\$16,072</b>	<b>\$743,762</b>	<b>\$605,685</b>	<b>\$763,498</b>	<b>\$621,757</b>

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Appendix J  
**Future and Present Value of Care Costs**  
*Transportation*

04/20/39

			F.V.	P.V.	F.V.	P.V.
			<u>Van with Conversion</u>		<u>Total</u>	
	<b>Annual cost</b>		\$40,000	\$40,000	\$40,000	\$40,000
	<b>Growth rate</b>		3.0%	3.0%		
	<b>Discount rate</b>	3.5%				
	<u>Period</u>	<u>Age</u>				
Year 1	07/01/09 - 07/01/10	70.2 - 71.2	\$40,596	\$39,903	\$40,596	\$39,903
Year 2	07/01/10 - 07/01/11	71.2 - 72.2	0	0	0	0
Year 3	07/01/11 - 07/01/12	72.2 - 73.2	0	0	0	0
Year 4	07/01/12 - 07/01/13	73.2 - 74.2	0	0	0	0
Year 5	07/01/13 - 07/01/14	74.2 - 75.2	0	0	0	0
Year 6	07/01/14 - 07/01/15	75.2 - 76.2	0	0	0	0
Year 7	07/01/15 - 07/01/16	76.2 - 77.2	0	0	0	0
Year 8	07/01/16 - 07/01/17	77.2 - 78.2	0	0	0	0
Year 9	07/01/17 - 07/01/18	78.2 - 79.2	0	0	0	0
Year 10	07/01/18 - 07/01/19	79.2 - 80.2	0	0	0	0
Year 11	07/01/19 - 07/01/20	80.2 - 81.2	0	0	0	0
Year 11.10	07/01/20 - 08/06/20	81.2 - 81.3	0	0	0	0
			<u>\$40,596</u>	<u>\$39,903</u>	<u>\$40,596</u>	<u>\$39,903</u>