**PART 1. TIME BURDEN**

**Estimated number of hospice admissions and Hospice Item Set record submissions**

Total number of Medicare-participating hospices = **3,742**

Total number of admissions to all hospices per year = **1,089,719**[[1]](#footnote-1)

**Estimated number of admissions to each hospice per year**

**1,089,719** admissions to all hospices / **3,742** hospices = **291**

**Estimated number of admissions to each hospice per month**

**1,089,719** admissions to all hospices / **3,742** hospices / **12** months per year = **24**

**Estimated number of Hospice Item Set records submitted by all hospices per year**

**1,089,719** admissions to all hospices per year x **2** Hospice Item Set records (1 Admission Record and 1 Discharge Record) per patient = **2,179,438**

**Estimated number of Hospice Item Set records submitted by each hospice per year**

**2,179,438** Hospice Item Set records per all hospices / **3,742** hospices = **582**

**Estimated average number of Hospice Item Set records submitted by each hospice per month**

**2,179,438** Hospice Item Set records per all hospices / **3,742** hospices / **12** months per year = **49**

**Estimated average number of Hospice Item Set records submitted by all hospices per month**

**2,179,438** Hospice Item Set records per all hospices per year / **12** months per year = **181,620**

**PART 2. Cost/Wage Calculation**

**Time required to complete each Hospice Item Set record**

14 minutes nursing/clinical staff time to abstract data for Admission Record – paid @ $33.23/hr.[[2]](#footnote-2)

 5 minutes nursing/clinical staff time to abstract data for Discharge Record – paid @ $33.23/hr.

 5 minutes administrative/clerical staff time to upload Assessment Record data – paid @ $15.59/hr.[[3]](#footnote-3)

 5 minutes administrative/clerical staff time to upload Discharge Record data – paid @ $15.59/hr.

***Nursing Time:***

**19** minutes x **291** Hospice Item Setsper each hospice per year = **5,529** minutes per each hospice per year

**5,529** minutes per each hospice per year **/ 60** minutes per hour = **92.15** hours per each hospice per year

**92.15** hours per year x **$33.23** per hour = **$3,062.14** nursing wages per each hospice per year

**$3,062.14** x **3,742** hospice providers = **$11,458,528** per all hospices per year

**Administrative Assistant Time:**

**10** minutes x **291** Hospice Item Setsper each hospice per year **= 2,910** minutes per hospice per year

**2,910** minutes per provider per year / **60** minutes per hour = **48.50** hours per each hospice year

**48.50** hours per year x **$15.59** per hour = **$756.12** administrative/clerical wages per each hospice per year

**$756.12** x **3,742** hospice providers = **$2,829,401** per all hospices per year

**Total annualized cost to each hospice provider:**

**$3,062.14** Nursing wages per each hospice per year

**$756.12**Administrative assistant wages per each hospice per year

**$3,818.26 Total**

**Total annualized cost to all hospice providers:**

**$11,458,528** Nursing wages per all hospice providers per year

**$2,829,401**Administrative assistant wages per all hospice providers per year

**$14,287,929** **Total;**

**PART 3. Additional Calculations:**

**Average yearly cost to each individual hospice provider:**

**$14,287,929** – cost for all hospices per year / **3,742** hospices = **$3,818.26**

**Average monthly cost to each individual hospice provider:**

**$14,287,929** – cost for all Hospices per year / **3,742** hospices / **12** months per year = **$318.19**

**Cost to provider per each individual hospice patient:**

**$14,287,929** – cost for all hospices per year / **1,089,719** Hospice Item Sets per year = **$13.11**

**Appendix 1: Hourly Time and Wage Burden Calculation Detail**

**Hospice Quality Reporting Program**

**Time and Wage Burden Itemization**

|  |  |  |  |
| --- | --- | --- | --- |
| **Record Type** | **Number of Questions** | **Time Required To Complete Questions** | **Staff Wages for Questions** |
| **Admission Record** | **45** | **14 min – Nursing/Clinical time****0.3** min. per item x **45** items  | **14 min. x $33.23/hr.= $7.75** |
|  |  | **5 min – Admin/Clerical time****(to upload data)** |  **5 min. x $15.59/hr. = $1.30** |
| **Discharge****Record** | **15** | **5 min– Nursing/Clinical time****(0.3** min. per item x **15** items) |  **5 min. x $33.23/hr. = $2.77** |
|  |  | **5 min – Admin/Clerical time****(to upload data)** |  **5 min. x $15.59/hr. = $1.30** |
| **Totals** | **60** | **29 minutes** | **Total cost per patient** **$13.12** |

**Appendix 2: Alternative Method of Calculating Burden for the Hospice Data Item Set**

**Burden Estimate Based on Hospice Size**

**Estimated annual time burden per each hospice based on hospice size**

* **100** annual admissions x **29** minutes per Hospice Item Set = **2900** minutes / **60** minutes per hour = **48** hours per each hospice with 100 annual admissions
* **500** annual admissions x **29** minutes per Hospice Item Set = **14,500** minutes / **60** minutes per hour = **242** hours per each hospice with 500 annual admissions
* **2,500** annual admissions x **29** minutes per Hospice Item Set = **72,500** minutes / **60** minutes per hour = **1,208** hours per each hospice with 2,500 annual admissions

**Estimated average annual cost to each hospice provider for reporting quality data based on hospice size**

* **100** annual admissions x **$6.56** per each Hospice Item Set record submission x **2** record submissions = **$1,312** per each hospice with 100 annual admissions
* **500** annual admissions x **$6.56** per each Hospice Item Set submission x **2** record submissions = **$6,560** per each hospice with 500 annual admissions
* **2,500** annual admissions x **$6.56** per each Hospice Item Set submission x **2** record submissions = **$32,800** per each hospice with 2,500 annual admissions

**Appendix 3: Burden Information Obtained From Limited Pilot Testing In Various Sizes and Types of Hospices**

**Itemized Time and Wage/Cost Burden Estimate for the Hospice Item Set Records:**

* The Hospice Item Set consists of 2 different types of records.
* A hospice is required to complete and submit an Admission Record within 30 days after the patient is admitted.
* A hospice must also complete and submit a Discharge Record within 30 days after the patient is discharged.

**Hospice Item Set Pilot Time Estimates – Admission Record**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hospice** | **TE01** | **TE02** | **TE03** | **TE04** | **TE05** | **TE06** | **TE07** | **TE08** | **Total** |
| A | 2.5 | 2.7 | 4.2 | 3.0 | 3.0 | 1.4 | 1.0 | 0.6 | 18.3 |
| B | 4.3 | 3.8 | 3.4 | 2.9 | 2.9 | 2.3 | 1.2 | 1.7 | 22.5 |
| C | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 7.6 |
| D | 1.4 | 1.2 | 1.8 | 1.4 | 1.2 | 1.3 | 0.6 | 0.4 | 9.3 |
| E | 2.8 | 2.2 | 2.9 | 2.5 | 3.8 | 1.4 | 1.7 | 0.3 | 17.7 |
| F | 5.2 | 3.9 | 3.5 | 2.3 | 1.9 | 1.9 | 1.4 | 1.2 | 21.5 |
| G | 1.8 | 2.0 | 3.1 | 1.8 | 1.7 | 2.2 | 1.0 | 0.8 | 14.4 |
| H | 1.1 | 0.8 | 1.2 | 1.2 | 1.1 | 1.0 | 0.8 | 0.4 | 7.6 |
| J | 1.3 | 1.1 | 1.9 | 1.1 | 1.7 | 1.0 | 1.0 | 0.3 | 9.3 |
| Total | 2.3 | 2.0 | 2.5 | 1.9 | 2.1 | 1.5 | 1.1 | 0.7 | 14.1 |

Top 5% removed as outliers.

Blank TE08’s recoded as 0.

**Admission Record**

**(Alternate Method of Calculation)**

 Number of Questions: 45 @ 0.3 minutes each = 13.5 minutes

**Discharge Record**

 Number of Questions: 15 @0.3 minutes each = 4.5 minutes

**Appendix 4: Change in Burden Table**

**Change In Burden From Prior 2012 PRA Package Burden Estimate**

**& the Current Hospice Item Set PRA Package Burden Estimate**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type of****Calculation** | **Prior****2012 Hospice PRA Package** | **Current****Hospice Item Set****PRA Package** | **Change in Burden** |
| **Per Each Hospice** | **$3,038** | **$3,818** | **+ $780** |
| **Per All Hospices** | **$11,034,016** | **$14,287,929** | **+ $3,253,913** |

1. The admissions number, 1,089,719, was calculated using 2011 Medicare hospice claims data. MedPAC listed the number of beneficiaries in hospice as 1,159,000 in their 2012 “Data Book.” However, MedPAC’s numbers are not restricted to admissions and are based on 2010 claims data. [↑](#footnote-ref-1)
2. The mean hourly wage of $33.23 per hour for a Registered Nurse was obtained from the U.S. Bureau of Labor Statistics. See

http://www.bls.gov/oes/current/oes291111.htm [↑](#footnote-ref-2)
3. The mean hourly wage of $15.59 per hour for a Medical Secretary was obtained from the U.S. Bureau of Labor Statistics. See http://www.bls.gov/oes/current/oes436013.htm [↑](#footnote-ref-3)