

## **LTCH Quality Reporting Program / Burden Estimate (12.19.12)**

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### **1. Estimated Number of Yearly LTCH Discharges and LTCH CARE Data Sets Submissions**

Total Number of LTCH in U.S. = 442

Total Number of Discharges from all LTCHs per year:

134,700 - Medicare Beneficiaries

67,350 - Non Medicare Beneficiaries

202,050<sup>1</sup> - Total LTCH D/C's

**Estimated Number of Discharges from each LTCH per year = 457**

202,050 D/Cs from all LTCHs / 442 LTCHs in U.S.

**Estimated Number of Discharges from each LTCH per month = 38**

202,050 D/Cs from all LTCHs / 442 LTCHs in U.S. / 12 months per year = 38

**Estimated Number of LCDS's submitted by all LTCHs per year = 403,988**

457 estimated # of D/C's in each LTCH per year x 442 LTCHs in US = 201,994 D/C's per all LTCHs per year

201,994 D/C'S per all LTCH per year x 2 LCDS forms per patient = 403,988 LCDS per all LTCHs per year

**Estimated Average Number of LCSD's submitted by each LTCH per year = 914**

403,988 LCDS per all LTCHs in U.S. / 442 LTCHs in US = 914 LCDS per each LTCH

**Estimated Average Number of LCSD's submitted by each LTCH per year = 914**

**(Alternate Method of Calculation)**

202,050 D/C'S per all LTCH per year x 2 LCDS forms per patient = 404,100 LCDS per all LTCHs per year

404,100 LCDS per all LTCHs per year / 442 LTCHs in U.S. = 914 LCDS per each LTCH

**Estimated Average Number of LCSD's submitted by each LTCH per month = 76**

403,988 LCDS per all LTCHs in U.S. per mo. / 442 LTCHs in US = 914 LCDS per each LTCH per year

914 LCDS per each LTCH per year / 12 months per year = 76 LCDS per each LTCH per month

**Estimated Average Number of LCSD's submitted by All LTCHs per month = 33,666**

403,988 LCDS per all LTCHs in U.S. per year / 12 months per year

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<sup>1</sup> MedPAC Report To Congress, March 2012, page 261

([http://www.medpac.gov/documents/Mar12\\_EntireReport.pdf](http://www.medpac.gov/documents/Mar12_EntireReport.pdf)[http://www.medpac.gov/documents/Mar12\\_EntireReport.pdf](http://www.medpac.gov/documents/Mar12_EntireReport.pdf))

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## **2. Estimate of Financial (Wage) Burdens for Submission of LTCH CARE Data Set**

### **Time Required to Complete Each LTCH CARE Data Set Assessment = 65 minutes**

**11 minutes** for Admission assessment – nursing/clinical staff time to collect clinical data;

**11 minutes** for Discharge assessment – nursing/clinical staff time to collect clinical data;

**10 minutes** administrative data entry time to aggregate and submit data to CMS

**32 minutes<sup>2</sup>** – Total time burden to complete LTCH CARE Data Set per patient

***Estimated Annual Time Burden per each LTCHs = 480 hrs/each LTCH/year***

***Estimated Annual Time Burden all LTCHs = 201,552 hrs/all LTCH's/year***

- **32 minutes/form x 76 forms/each LTCH/month = 2,432 minutes/each LTCH/month**
- **2,432 minutes / 60 minutes/ hour = 40 hours** per LTCH per month
- **40 hours per LTCH per month x 12 months/year = 480 hours** per each LTCH/year
- **480 hours/each LTCH/year x 442 LTCHs in U.S. = 212,160 hrs/all LTCH's/year**

## **3. Cost/Wage Calculation for Completion of the LTCH CARE Data Set:**

### **a. Wages for Clinical Staff Completing the LTCH CARE Data Set**

**11 minutes** for *Admission assessment* - nursing time to collect clinical data @ **\$33.23/hour<sup>3</sup>**

**11 minutes** for *Discharge assessment* - nursing time to collect clinical data; @ **\$33.23/hour**

- **22 minutes x 914 LCDS forms/ each LTCH / yr = 20,108 minutes** nursing time /each LTCH / year
- **20,108 minutes per LTCH per yr / 60 minutes = 335 nursing hours / each LTCH / year**
- **335 hours per year x \$33.23 per hour = \$11,132 nursing wages /per each LTCH / year**
- **\$11,132 x 442 LTCH providers = \$4,920,344 nursing wages per all LTCHs / year**

### **b. Wages for Admin Assistant/ Clerical Staff who gather and transmit LTCH CARE Data Set**

**(NOTE: Administrative data entry time calculated at an hourly wage of \$15.59/hour**

- **10 minutes x 914 LCDS forms/ LTCH/yr = 9,140 minutes** administrative time/LTCH/year
- **9,140 minutes per LTCH per yr / 60 minutes = 152 administrative hours** per year
- **152 hours per year x \$15.59<sup>4</sup> per hour = \$2,370 admin assistant wages/per LTCH/year**
- **\$2,370 x 442 LTCHs = \$1,047,540 per all LTCH providers/year**

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<sup>2</sup> This time estimate includes the time required to complete both the required and voluntary questions on the LTCH CARE Data Set.

<sup>3</sup> The mean hourly wage of \$33.23 for a Registered Nurse was obtained from the U.S. Bureau of Labor Statistics. See <http://www.bls.gov/oes/current/oes291111.htm>

<sup>4</sup> 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>

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### **4. Combined Calculations:**

**\$11,132** Nursing wages/per LTCH /year (LTCH CARE Data Set)  
**\$ 2,370** Admin assistant wages/per LTCH /year (LTCH CARE Data Set)  
**\$13,502** Total Annualized Cost to Each LTCH Provider

**\$ 4,920,344** Nursing wages/per ALL LTCHs /year (LTCH CARE Data Set)  
**\$ 1,047,540** Admin assistant wages/per ALL LTCHs /year (LTCH CARE Data Set)  
**\$5,967,884** Total Annualized Cost For All LTCH Providers

### **5. Additional Calculations:**

**Total Yearly Cost To All LTCH Providers for Reporting Data using the LCDS = \$5,967,884**

- **\$13,502** x 442 LTCHs in U.S. = **\$5,967,884**

**Total Yearly Cost To Each LTCH Provider for Reporting Quality Data = \$13,502**

- **\$5,967,884** yearly cost for all LTCHS / 442 LTCHs in U.S. = **\$13,502**

**Estimated Average Monthly Cost To Each LTCH Provider for Reporting Quality Data = \$1,125**

- **\$5,967,884** Total yearly cost for all LTCHS/ 442 LTCHs in U.S./ 12 months per year = **\$1,125**

**Estimated Average Cost per each LCDS Submission = \$14.77**

- **\$5,967,884** yearly cost of LCDS submissions for ALL LTCHs / **403,998** LCDS submissions per all LTCHs/year = **\$14.77**; OR
- **\$13,502** yearly cost of LCDS submissions per each LTCH / **914** LCDS submissions per LTCHs/year = **\$14.77**

# **LTCH Quality Reporting Program / Burden Estimate (12.19.12)**

## **Itemized Time and Wage/Cost Burden Estimate for the LTCH CARE Data Set Assessments:**

- The LTCH CARE Date Set consists of 4 different assessment forms.
- All of these forms consist of some data items (questions) that are required, and some that are voluntary (LTCH may chose not to answer these items without affecting quality reporting compliance)
- An LTCH is required to perform and submit an admission assessment within 3 days after the patient is admitted.
- An LTCH must also perform a discharge assessment on each patient,( but only one of the three discharge assessment forms is used)
- There are 3 different types of Discharge Assessment forms:
  - o Planned Discharge Assessment
  - o Unplanned Discharge Assessment
  - o Expired (Death) Assessment
- The type of discharge assessment form used is based on the circumstances of the discharge.

### **Admission Assessment**

Number of Required Questions:	25	@0.3 minutes each = 7.5 minutes
Number of Voluntary Questions:	11	@0.3 minutes each = 3.3 minutes
<b>Total Number of Questions:</b>	<b>36</b>	@0.3 minutes each =10.8 minutes

### **Planned Discharge Assessment**

Number of Required Questions:	25	@0.3 minutes each = 7.5 minutes
Number of Voluntary Questions:	11	@0.3 minutes each = 3.3 minutes
<b>Total Number of Questions:</b>	<b>36</b>	@0.3 minutes each =10.8 minutes

### **Unplanned Discharge Assessment**

Number of Required Questions:	25	@0.3 minutes each = 7.5 minutes
Number of Voluntary Questions:	11	@0.3 minutes each = 3.3 minutes
<b>Total Number of Questions:</b>	<b>36</b>	@0.3 minutes each = 10.8 minutes

### **Expired Assessment**

Number of Required Questions:	13	@ 0.3 minutes each = 3.9 minutes
Number of Voluntary Questions:	4	@0.3 minutes each = 1.2 minutes
<b>Total Number of Questions:</b>	<b>17</b>	@0.3 minutes each = 5.1 minutes

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**LTCH Quality Reporting Program  
Time and Wage Burden Estimate - Clinical Wages**

<b>Assessment Type</b>	<b>Number of Required Items</b>	<b>Number of Voluntary Items</b>	<b>Total Number Of Items</b>	<b>Time Required To Complete Required Items</b>	<b>Time Required To Complete Voluntary Items</b>	<b>Clinical Staff Wages for Required Items</b>	<b>Clinical Staff Wages for Voluntary Items</b>	<b>Total Clinical Staff Wages for Admission Assessment</b>
<b>Admission Assessment</b>	<b>25</b>	<b>11</b>	<b>36</b>	<b><u>7.5 min.</u> 0.3 min per item x 25 items</b>	<b><u>3.3 min.</u> 0.3 min per item x 11 items</b>	<b><u>\$ 4.15</u> 7.5 min. x \$33.23/hr.</b>	<b><u>\$1.83</u> 3.3 min. x \$33.23/hr</b>	<b>\$ 4.16 + <u>\$ 1.83</u> \$ 5.99</b>
<b>Planned Discharge Assessment</b>	<b>25</b>	<b>11</b>	<b>36</b>	<b><u>7.5 min.</u> 0.3 min per item x 25 items</b>	<b><u>3.3 min.</u> 0.3 min per item x 11 items</b>	<b><u>\$4.15</u> 7.5 min. x \$33.23/hr.</b>	<b><u>\$1.83</u> 3.3 min. x \$33.23/hr</b>	<b>\$ 4.16 + <u>\$ 1.83</u> \$ 5.99</b>
<b>Unplanned Discharge Assessment</b>	<b>25</b>	<b>11</b>	<b>36</b>	<b><u>7.5 min.</u> 0.3 min per item x 25 items</b>	<b><u>3.3 min.</u> 0.3 min per item x 11 items</b>	<b><u>\$4.15</u> 7.5 min. x \$33.23/hr.</b>	<b><u>\$1.83</u> 3.3 min. x \$33.23/hr</b>	<b>\$ 4.16 + <u>\$ 1.83</u> \$ 5.99</b>
<b>Expired Discharge Assessment</b>	<b>13</b>	<b>4</b>	<b>17</b>	<b><u>3.9 min.</u> 0.3 min per item x 13 items</b>	<b><u>1.2 min.</u> 0.3 min per item x 4 items</b>	<b><u>\$2.16</u> 3.9 min. x \$33.23/hr.</b>	<b><u>\$0.66</u> 1.2 min. x \$33.23/hr</b>	<b>\$ 2.16 + <u>\$ 0.66</u> \$2.82</b>

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## **LTCH Quality Reporting Program / Burden Estimate (12.19.12)**

The following are cost estimates for several combinations of the LTCH CARE Data Set Admission and Discharge forms:

### **Planned Discharge / Required and Voluntary Data Given By Provider**

Admission Assessment – Nursing Wages ( <b>Required</b> )	7.5 minutes	@33.23 per hour = \$ 4.16
Admission Assessment – Nursing Wages ( <b>Voluntary</b> )	3.3 minutes	@33.23 per hour = \$ 1.83
Admission Assessment – ( <b>Admin Assistant</b> )	10.0 minutes	@15.59 per hour = \$ 2.60
Planned Discharge Assessment ( <b>Required</b> )	7.5 minutes	@33.23 per hour = \$ 4.16
Planned Discharge Assessment ( <b>Voluntary</b> )	3.3 minutes	@33.23 per hour = \$ 1.83
	<b>21.6 minutes</b>	<b>@33.23 per hour = \$11.98</b>
	<b>10.0 minutes</b>	<b>@15.59 per hour = \$ 2.60</b>
	<b>31.6 minutes</b>	<b>= \$14.58</b>

### **Unplanned Discharge / Required and Voluntary Data Given By Provider**

Admission Assessment – Nursing Wages ( <b>Required</b> )	7.5 minutes	@33.23 per hour = \$ 4.16
Admission Assessment – Nursing Wages ( <b>Voluntary</b> )	3.3 minutes	@33.23 per hour = \$ 1.83
Admission Assessment – ( <b>Admin Assistant</b> )	10.0 minutes	@15.59 per hour = \$ 2.60
Unplanned Discharge Assessment ( <b>Required</b> )	7.5 minutes	@33.23 per hour = \$ 4.16
Unplanned Discharge Assessment ( <b>Voluntary</b> )	3.3 minutes	@33.23 per hour = \$ 1.83
	<b>21.6 minutes</b>	<b>@33.23 per hour = \$11.98</b>
	<b>10.0 minutes</b>	<b>@15.59 per hour = \$ 2.60</b>
	<b>31.6 minutes</b>	<b>= \$14.58</b>

### **Planned or Unplanned Discharge / Required Only Data Given By Provider**

Admission Assessment – Nursing Wages ( <b>Required Data Only</b> )	7.5 minutes	@33.23 per hour = \$ 4.16
Admission Assessment – ( <b>Admin Assistant</b> )	10.0 minutes	@15.59 per hour = \$ 2.60
Planned Discharge Assessment ( <b>Required Data Only</b> )	7.5 minutes	@33.23 per hour = \$ 4.16
	<b>15 minutes</b>	<b>@33.23 per hour = \$ 8.32</b>
	<b>10 minutes</b>	<b>@15.59 per hour = \$ 2.60</b>
	<b>25 minutes</b>	<b>= \$10.92</b>

### **Expired Discharge / Required and Voluntary Data Given By Provider**

Admission Assessment – Nursing Wages ( <b>Required</b> )	7.5 minutes	@33.23 per hour = \$ 4.16
Admission Assessment – Nursing Wages ( <b>Voluntary</b> )	3.3 minutes	@33.23 per hour = \$ 1.83
Admission Assessment – ( <b>Admin Assistant</b> )	10.0 minutes	@15.59 per hour = \$ 2.60
Expired Discharge Assessment - ( <b>Required</b> )	3.9 minutes	@33.23 per hour = \$ 2.16
Expired Discharge Assessment - ( <b>Voluntary</b> )	1.2 minutes	@33.23 per hour = \$ 0.66
	<b>15.9 minutes</b>	<b>@33.23 per hour = \$ 8.81</b>
	<b>10.0 minutes</b>	<b>@15.59 per hour = \$ 2.60</b>
	<b>25.9 minutes</b>	<b>= \$11.41</b>

### **Expired Discharge / Required Only Data Given By Provider**

Admission Assessment – Nursing Wages ( <b>Required</b> )	7.5 minutes	@33.23 per hour = \$ 4.16
Admission Assessment – ( <b>Admin Assistant</b> )	10.0 minutes	@15.59 per hour = \$ 2.60
Expired Discharge Assessment - ( <b>Required</b> )	3.9 minutes	@33.23 per hour = \$ 2.16
	<b>11.4 minutes</b>	<b>@33.23 per hour = \$ 6.32</b>
	<b>3.9 minutes</b>	<b>@15.59 per hour = \$ 2.60</b>
	<b>15.3 minutes</b>	<b>= \$8.92</b>

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