

Jessica Worcester

HI224

Week 3 Homework Chapter 5 and 6

5.1

Date admitted	Date discharged	Method	LOS
7/9	7/10	2	1
9/12	9/22	1	10
3/10	3/24	2	14
6/17	7/18	4	13
10/20	11/25	3	36

5.2

Date Admitted	Date Discharged	LOS
1/1/2009	11/1/2014	2130
4/7/2012	12/31/2013	633
6/28/2011	1/23/2012	209
2/1/2012	3/15/2013	408
10/30/2013	7/7/2014	250

5.3

1)

	check patient in time	time seen by physician	time between checking in and being seen by physician
patient 1	8:00am	8:17am	17 minutes
patient 2	1:22pm	2:05pm	43 minutes
patient 3	10:30am	11:43am	1 hour 13 minutes

patient
4 1:30pm 3:00pm 1 hour 30 minutes

patient
5 2:15pm 2:56pm 41 minutes

2a)

Patient	Time of Arrival	Time Patient was Triageed	Wait Time
Patient A	8:00 AM	8:23 AM	0:23:00
Patient B	8:23 AM	8:56 AM	0:33:00
Patient C	8:56 AM	9:20 AM	0:24:00
Patient D	9:45 AM	10:46 AM	1:01:00
Patient E	10:20 AM	1:45 PM	3:25:00
Patient F	11:20 AM	1:50 PM	2:30:00
Patient G	12:15 PM	2:40 PM	2:25:00
Patient H	1:05 PM	2:56 PM	1:51:00
Patient I	3:27 PM	5:05 PM	1:38:00
Patient J	4:05 PM	4:56 PM	0:51:00

b) 1:30:06

c) No the hospital ESD is not in compliance

5.4a.

Community Hospital					
Discharge List					
October 20, 20XX					
Pt.	Ag	Clinical	Admission	Discharge	LO

Name	e	Service	Date	Date	S
Schulman	71	Surgery	18-Sep	20-Oct	32
Hubbard	40	Medicine	12-Sep	20-Oct	38
Miraboto	35	Obstetrics	18-Oct	20-Oct	2
Tatum	23	Obstetrics	18-Oct	20-Oct	2
Rankins	71	Medicine	28-Sep	20-Oct	22
Lampton	90	Medicine	4-Sep	20-Oct	46
Hruska	45	Surgery	5-Oct	20-Oct	15
Adman	17	Obstetrics	19-Oct	20-Oct	1
Savage	37	Medicine	1-Sep	20-Oct	49
Beachton	46	Medicine	1-Oct	20-Oct	19
Sanders	14	Obstetrics	17-Oct	20-Oct	3
Pavalchik	62	Surgery	26-Sep	20-Oct	24
Walters	57	Surgery	30-Sep	20-Oct	20
Harding	51	Medicine	1-Oct	20-Oct	19
Clay	82	Medicine	10-Oct	20-Oct	10
Total					5.4b

c. $38 + 22 + 46 + 49 + 19 + 19 + 10 = 203$ day

d. $32 + 15 + 24 + 20 = 91$ days

e. $2 + 2 + 1 + 3 = 8$ days

f. $2+1+3= 6$ days

g. $38 + 2 + 49 = 89$ days

h. $15 + 19 + 19 = 53$ days

l $24 + 20 = 44$ days

j. $32 + 22 + 46 + 10 = 110$ days

k. $203 / 302 = 0.6721$ or 67.2%

5.5

1) $923 / 192 = 4.807$ days round to 4.8 days

2) a. $302 / 15 = 20.1$ days

b. $203 / 7 = 29.0$ days

c. $91 / 4 = 22.75 = 22.8$ days

d. $8 / 4 = 2$ days

e. $6 / 3 = 2$ days

f. $89 / 3 = 29.7$ days

g. $53 / 3 = 17.7$ days

h. $44 / 2 = 22$ days

i. $110 / 4 = 27.5$ days

3.

University Medical Center

January-June 20XX

Clinical Units	Discharges	Discharge Days	ALOS
Medicine	12,280	61,400	5.0
Surgery	10,320	51,762	5.0
Neurology	12,464	68,320	5.5
Oncology	6,228	61,280	9.8
Orthopedics	4,906	20,624	4.2

Rehabilitation	1,926	48,250	25.1
Urology	678	2,698	4.0
Psychiatry	936	22,400	23.9
Ophthalmology	385	804	2.1
Obstetrics/Gynecology	3,528	8,820	2.5
Pediatrics	3,148	18,388	5.8
Total	56,799	364,746	6.4

5.6

Community Hospital												
Student Name												
July 20XX												
	Medicine		Surgery		Obstetrics		Subtotal		Newborn		Total	
Date	No. Pts.	Dis Days	No. Pts.	Dis Days	No. Pts.	Dis Days	No. Pts.	Dis Days	No. Pts.	Dis Days	No. Pts.	Dis Days
7/1	8	40	2	25	5	16	15	81	6	23	21	104
7/2	6	36	8	80	3	10	17	126	3	10	20	136
7/3	4	21	4	23	1	4	9	48	1	4	10	52
7/4	11	47	3	42	4	10	18	99	4	10	22	109
7/5	15	77	5	23	3	7	23	107	2	5	25	112
7/6	6	52	7	56	2	5	15	113	3	7	18	120
7/7	5	71	9	123	6	13	20	207	5	10	25	217
7/8	8	63	1	4	3	9	12	76	2	13	14	89
7/9	9	72	4	26	2	6	15	104	3	9	18	113
7/10	7	34	9	112	3	8	19	154	3	8	22	162
7/11	2	9	3	27	1	2	6	38	1	2	7	40
7/12	5	28	4	16	2	5	11	49	1	3	12	52
7/13	4	29	6	119	2	7	12	155	2	7	14	162
7/14	9	26	8	95	2	6	19	127	2	6	21	133
7/15	7	45	4	81	4	8	15	134	5	11	20	145

7/16	6	37	2	15	3	8	11	60	3	8	14	68
7/17	4	52	9	37	3	10	16	99	2	10	18	109
7/18	3	55	6	30	3	9	12	94	3	10	15	104
7/19	4	8	4	16	4	10	12	34	4	10	16	44
7/20	8	63	3	37	2	6	13	106	3	9	16	115
7/21	3	29	5	23	1	3	9	55	0	0	9	55
7/22	5	35	8	78	4	9	17	122	4	9	21	131
7/23	5	34	4	32	2	4	11	70	3	8	14	78
7/24	8	53	1	5	3	6	12	64	2	6	14	70
7/25	7	26	2	62	2	2	11	90	2	4	13	94
7/26	2	23	3	42	4	12	9	77	3	7	12	84
7/27	3	23	4	53	1	5	8	81	4	11	12	92
7/28	5	25	2	10	3	10	10	45	2	8	12	53
7/29	1	8	3	30	3	10	7	48	2	7	9	55
7/30	8	58	7	37	4	9	19	104	2	5	21	109
7/31	6	39	5	29	3	11	14	79	6	28	20	107
Total	184	1218	145	1388	88	240	417	2846	88	268	505	3114

Chapter 5 matching

- 1) J
- 2) G
- 3) B
- 4) H
- 5) A
- 6) C
- 7) E
- 8) D
- 9) F

10) I

Chapter 5 review

1) C

2) A. 1 days

b. 9 days

c. 37 days

d. 69 days

3)

Patient	Admission Date	Discharge Date	LOS
A	4-Jul	12-Jul	8
B	5-Jul	12-Jul	7
C	20-Jun	12-Jul	22
D	12-Mar	12-Jul	122
E	17-Apr	12-Jul	86
F	1-Mar	12-Jul	133
G	23-Jun	12-Jul	19
H	25-Jun	12-Jul	17
I	7-Apr	12-Jul	96
J	6-May	12-Jul	67
Total			577
Average			57.7

4) B

5) B

6) B

7) B

8)

Community Hospital

Medicare Discharge Statistics

July 20XX

Unit	Medicare Discharges	Medicare Discharge Days	ALOS
Medicine	478	3,411	7.1 days
Surgery	253	2,566	10.1 days
Rehabilitation	261	4,507	17.3 days
Skilled Nursing	394	11,132	28.3 days

9) A

10) C

11) D

12) B

13) B

14) B

15) D

Chapter 6

6.1

1) 0.68%

2) 5.17%

3) 20.00%

6.2

Physician Number	No. of Live Discharges	No. of Deaths	Gross Mortality rate
Dr. 097	12	3	20.00%
Dr. 123	204	4	1.92%
Dr. 256	12	1	7.69%
Dr. 372	92	4	4.17%
Dr. 431	124	6	4.62%
Dr. 537	79	2	2.47%
Dr. 638	107	4	3.60%
Dr. 725	85	3	3.41%
Dr. 800	100	1	0.99%
Dr. 901	158	8	4.82%
Total	973	36	3.57%

6.3 1.24%

6.4

Community Hospital				
December 20XX Deaths				
Service	No. of Discharges (includes Deaths)	Total Deaths	Deaths < 48 hours	Net Mortality rate
Medicine	372	7	3	1.08%
Surgery	301	4	3	0.34%
Psychiatric	107	4	2	1.90%
Rehabilitation	74	6	3	4.23%
Total	854	21	11	1.19%

6.5

Number of Surgery Patients and Deaths, by Surgeon			
Physician Number	No. of Surgery Patients	No. of Deaths within 10 Days after Surgery	Postoperative Mortality rate
Dr. 102	298	6	2.0%
Dr. 237	247	4	1.6%
Dr. 391	110	2	1.8%
Dr. 518	144	2	1.4%
Dr. 637	206	8	3.9%
Dr. 802	82	3	3.7%
Dr. 900	120	3	2.5%
Total	1207	28	2.3%

6.6

1.04%

6.7

Community Hospital				
January-June 20XX				
Selected MS-DRGs—Postoperative Deaths				
Number of Surgery Patients and Deaths				
Surgery Service				
MS-DRG	MS-DRG Title	No. of Surgery Patients	No. of Deaths within 10 Days after Surgery	Postoperative Mortality rate
139	Salivary gland procedures	12	1	8.33%
217	Cardiac valve & oth maj cardiothoracic proc w card cath w CC	427	5	1.17%
239	Amputation for circ sys disorders exc upper limb & toe w MCC	8	2	25.00%
327	Stomach, esophageal & duodenal proc w CC	84	3	3.57%
338	Appendectomy w complicated	6	1	16.67%

	principal diag w MCC			
405	Pancreas, liver & shunt procedures w MCC	62	4	6.45%
469	Major joint replacement or reattachment of lower extremity w MCC	212	3	1.42%
625	Thyroid, parathyroid & thyroglossal procedures w MCC	207	1	0.48%
652	Kidney transplant	27	4	14.81%
736	Uterine & adnexa proc for ovarian or adnexal malignancy w MCC	143	4	2.80%
Total		1188	28	2.36%

6.8 .01%

6.9

University Hospital	
January-June 20XX	
Surgery Service	
Discharges (Does not include deaths)	2,642
Deaths	54
Within 10 days	12
After 10 days	42
Number of operations	2,645
Number of patients operated on	2,636
Number of anesthetics administered	2,636
General anesthesia	1,072
Regional anesthesia	1,017
Local anesthesia	547

Number of deaths due to anesthetic agents	7
General anesthesia	4
Regional anesthesia	2
Local anesthesia	1
Mortality Rates	
General anesthesia	0.37 %
Regional anesthesia	0.20 %
Local anesthesia	0.18 %

6.10) 2.10%

6.11) hemorrhage after C-section due to severed uterine artery and pre-eclampsia.
1.63%

6.12) Maternal Mortality rate 0.67%

Fatality rate 0.55%

6.13) 32 deaths per 100,000 population

6.14) 1) 0.62%

2) 3.85%

3) 59 mortality deaths per 10,000 population

6.15) 15.91%

6.16) 1.92%

6.17)

Selected Cancers Reported			
20XX			
Type of Cancer	No. of Discharges and Deaths	No. of Deaths	Cancer Mortality rate

Breast	311	15	4.82%
Prostate	208	17	8.17%
Digestive System	102	13	12.75%
Lung and bronchus	162	12	7.41%
Urinary System	98	13	13.27%
Female Reproductive	48	3	6.25%
Melanoma of the skin	21	14	66.67%
All other sites	215	52	24.19%
Total	1,165	139	11.93%

6.18)

Community Healthcare System Annual Statistics 20XX			
Hospital	No. of Cancer Discharges and Deaths	No. of Cancer Deaths	Cancer Mortality rate
Urban Hospital	15,634	207	0.32%
Rural Hospital	6,203	154	2.48%

Suburban Hospital	2,073	58	0.80%
Total	23,910	419	1.75%

6.19

University Hospital			
Cancer Registry Annual Report			
Selected Cancers Reported			
20XX			
Type of Cancer	No. of Discharges and Deaths	No. of Deaths	Mortality rate
Oral Cavity and Pharynx	24	1	4.17%
Digestive System	198	5	2.53%
Respiratory System	242	16	6.61%
Bone and Joint	218	4	1.83%
Skin (excludes Basal Cell)	34	1	2.94%
Breast	190	12	6.32%
Female Genital System	47	8	17.02%
Male Genital System	228	25	10.96%
Urinary System	77	7	9.09%
Brain and Other Nervous System	42	19	45.24%
Endocrine System	28	1	3.57%
Lymphoma	47	6	12.77%
Myeloma	25	2	8.00%
Leukemia	15	4	26.67%
Total	1,415	111	7.84%

Chapter 6 matching quiz

- 1) G
- 2) F
- 3) I
- 4) D
- 5) J
- 6) A
- 7) E
- 8) B
- 9) H

10) C

Chapter 6 review

1) B

2) A

3) B

4) C

5) C

6) A

7) C

8) B

9) A

10) D

11) C

12) C

13) D

14) C

15) A