



**2011
Yakima County
ESRD Need Projection Methodology**

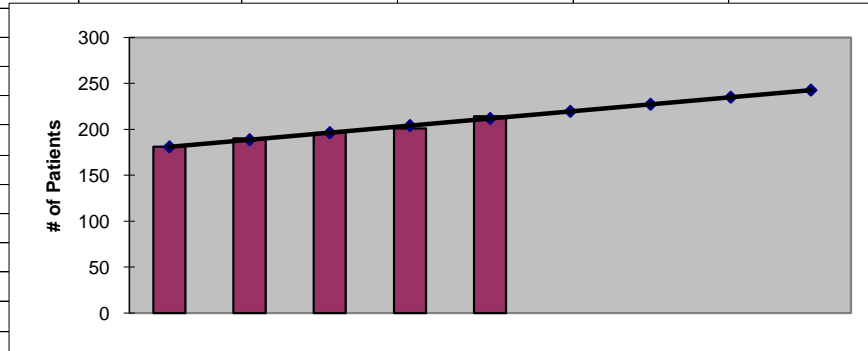
| Planning Area | | 6 Year Utilization Data - Resident Incenter Patients | | | | | |
|--|--|--|------------------------------------|------------|------------|------------|------------|
| Yakima | | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
| Yakima | | 185 | 181 | 190 | 196 | 201 | 214 |
| TOTALS | | 185 | 181 | 190 | 196 | 201 | 214 |
| 246-310-284(4)(a) | Rate of Change | | -2.16% | 4.97% | 3.16% | 2.55% | 6.47% |
| | 6% Growth or Greater? | | FALSE | FALSE | FALSE | FALSE | TRUE |
| | Regression Method: | Linear | | | | | |
| 246-310-284(4)(c) | | | | Year 1 | Year 2 | Year 3 | Year 4 |
| | | | | 2011 | 2012 | 2013 | 2014 |
| Projected Resident Incenter Patients | from 246-310-284(4)(b) | | | 219.50 | 227.20 | 234.90 | 242.60 |
| Station Need for Patients | Divide Resident Incenter Patients by 4.8 | | | 45.7292 | 47.3333 | 48.9375 | 50.5417 |
| | Rounded to next whole number | | | 46 | 48 | 49 | 51 |
| 246-310-284(4)(d) | subtract (4)(c) from approved stations | | | | | | |
| Existing CN Approved Stations | | | | 43 | 43 | 43 | 43 |
| Results of (4)(c) above | | | - | 46 | 48 | 49 | 51 |
| Net Station Need | | | | -3 | -5 | -6 | -8 |
| Negative number indicates need for stations | | | | | | | |
| 246-310-284(5) | | | | | | | |
| Name of Center | # of Stations | Patients | Utilization (Patients per Station) | | | | |
| DaVita Mt. Adams | 14 | 74 | 5.29 | | | | |
| DaVita Union Gap | 8 | 48 | 6.00 | | | | |
| DaVita Yakima | 21 | 99 | 4.71 | | | | |
| Total | 43 | 221 | | | | | |
| Source: Northwest Renal Network data 2005-2010 | | | | | | | |
| Most recent year-end data: 2010 year-end data as of 02/16/2011 | | | | | | | |
| Most recent quarterly data as of the 1st day of application submission period: 4th quarter 2010 as of 02/16/2010 | | | | | | | |

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| x | y | Linear |
|------|-----|---------|
| 2006 | 181 | 181 |
| 2007 | 190 | 189 |
| 2008 | 196 | 196 |
| 2009 | 201 | 204 |
| 2010 | 214 | 212 |
| 2011 | | 219.500 |
| 2012 | | 227.200 |
| 2013 | | 234.900 |
| 2014 | | 242.600 |

SUMMARY OUTPUT

| <i>Regression Statistics</i> | |
|------------------------------|-------------|
| Multiple R | 0.986531093 |
| R Square | 0.973243598 |
| Adjusted R Square | 0.964324798 |
| Standard Error | 2.330951165 |
| Observations | 5 |



| ANOVA | | | | | |
|--------------|-----------|-----------|-------------|-------------|-----------------------|
| | <i>df</i> | <i>SS</i> | <i>MS</i> | <i>F</i> | <i>Significance F</i> |
| Regression | 1 | 592.9 | 592.9 | 109.1226994 | 0.001872634 |
| Residual | 3 | 16.3 | 5.433333333 | | |
| Total | 4 | 609.2 | | | |

| | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Stat</i> | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> | <i>Lower 95.0%</i> | <i>Upper 95.0%</i> |
|--------------|---------------------|-----------------------|---------------|----------------|------------------|------------------|--------------------|--------------------|
| Intercept | -15265.2 | 1480.120218 | -10.31348658 | 0.00194423 | -19975.60312 | -10554.7969 | -19975.60312 | -10554.7969 |
| X Variable 1 | 7.7 | 0.73711148 | 10.44618109 | 0.001872634 | 5.354182296 | 10.0458177 | 5.354182296 | 10.0458177 |

RESIDUAL OUTPUT

| <i>Observation</i> | <i>Predicted Y</i> | <i>Residuals</i> |
|--------------------|--------------------|------------------|
| 1 | 181 | 0 |
| 2 | 188.7 | 1.3 |
| 3 | 196.4 | -0.4 |
| 4 | 204.1 | -3.1 |
| 5 | 211.8 | 2.2 |