

Appendix 4

List of Significant and Supportive Associations between Post-Acute Care Quality Measures and Selected Validation Variables

Appendix 3. List of significant and supportive associations between quality measures and selected validation variables, by quality measures. The analyses were based on 'all-facility' sample.

1. PAC-DEL0X1/ Currently reported

Validation variable	Label	Pearson Correlation	p-value	Usage ¹
=====	=====	=====	=====	=====
AS14CB	14cb. num residents in meal training	-.153	0.065	
AS26AA	26aa. rev prog-delirium-cna?	-.209	0.008	
AS26GA	26ga. rev prog-behav funct-cna?	-.167	0.035	
AS27B	27b.1 daily repts-behav function	-.263	0.001	
AS27D	27d.1 daily repts-commun change	-.207	0.008	
AS5CA	5ca. na\cna hours worked in pay period	-.171	0.029	
VAL18	Behavioral Items (YH) VAL18+	-.198	0.011	
VAL2	Monitor Change in Function/Cognitive Care (JNM) VAL2+	-.196	0.013	
VAL37	CDCPI-Incontinence (JNM) VAL37+	-.162	0.040	
VAL74	Focus on Catheter (JNM) VAL74+	-.138	0.081	
VAL75	Physical Restraints (JA) VAL75+	-.135	0.087	
VAL99	Training & Policy for Suspicious Skin (PILOT) VAL99+	-.153	0.052	
C_2	MRR resident seen by physician/psychiatrist?	0.149	0.058	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 13

2. PAC-DEL0X2/ Covariate report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS14CB	14cb. num residents in meal training	-.145	0.080	
AS26AA	26aa. rev prog-delirium-cna?	-.211	0.007	
AS26GA	26ga. rev prog-behav funct-cna?	-.161	0.041	
AS27B	27b.1 daily repts-behav function	-.262	0.001	
AS27D	27d.1 daily repts-commun change	-.209	0.008	
AS28FB3	28fb.3 weekly commun change	-.173	0.083	**
AS5CA	5ca. na\cna hours worked in pay period	-.160	0.042	

¹ Usage: whether the validation variable was included in the final multivariable regression model.
Blank: the variable was included in the final multivariable model for the QM;
* the variable was dropped because of collinearity;
** the variable was dropped because it was associated with less than two quality measures.

VAL18	Behavioral Items (YH) VAL18+	-.205	0.009
VAL2	Monitor Change in Function/Cognitive Care (JNM) VAL2+	-.196	0.012
VAL37	CDCPI-Incontinence (JNM) VAL37+	-.165	0.036
VAL74	Focus on Catheter (JNM) VAL74+	-.145	0.066
VAL75	Physical Restraints (JA) VAL75+	-.135	0.087
VAL99	Training & Policy for Suspicious Skin (PILOT) VAL99+	-.151	0.055
C_2	MRR resident seen by physician/psychiatrist?	0.149	0.059

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 14

3. PAC-PAI0X1 / Currently reported

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS10	10. cna attend care planning meeting?	-.236	0.002	
AS11A	11a. plan mtgs sched in cna work day	-.208	0.009	
AS18E	18e. pract-obs chg in eating, sleeping?	-.144	0.069	
AS21B	21b. r\r progs-passive rantge of motion	-.303	0.000	
AS21C	21c. r\r progs-active range of motion	-.256	0.001	**
AS21D	21d. r\r prog-ambulation, gait train	-.280	0.000	
AS26FA	26fa. rev prog-commun chg-cna?	-.146	0.067	
AS26GA	26ga. rev prog-behav funct-cna?	-.214	0.006	
AS26GB	26gb. rev prog-behav funct-rn,lpn\lvn?	-.146	0.066	
AS39A	39a. which incl in cqi-dehydration	-.203	0.010	
AS39E	39e. which incl in cqi-behav function	-.250	0.001	
AS39F	39f. which incl in cqi-communic change	-.147	0.064	
AS39G	39g. which incl in cqi-bladder incontn	-.206	0.009	
AS5CA	5ca. na\cna hours worked in pay period	-.356	0.000	
AS9D	9d. r\r aides contrib to pat care plan	-.202	0.011	
CNARAT2	Ratio of CNAs to licensed nurses	-.201	0.013	
VAL109	ADLdec Improvement Scale (JNM)VAL109+	-.136	0.084	
VAL118	BladCont Improvement Scale (JNM)VAL118+	-.163	0.038	
VAL121	PressUlc Improvement Scale (JNM)VAL121+	-.132	0.093	**
VAL166	BUR Change (based on VAL46) (VM) VAL166+	-.184	0.019	
VAL18	Behavioral Items (YH) VAL18+	-.152	0.053	
VAL26	CQI for pain as39 (YH) VAL 26+	-.250	0.001	*
VAL32	Incontinence Management (JNM) VAL32+	-.184	0.019	
VAL36	Focus on Incontinence (JNM) VAL36+	-.151	0.056	
VAL39	CDCPI-Psychosocial (JNM) VAL39+	-.206	0.008	
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	-.269	0.001	
VAL65	Record of MH Prof (RNJ) VAL65+	-.226	0.010	
VAL75	Physical Restraints (JA) VAL75+	-.162	0.039	
WAM1	1. rooms personalized	-.332	0.000	
WAM12	12. out of bed, not for nap or bedtime	-.245	0.002	
WAM9	9. homelike appearance in facility	-.197	0.012	

K_1	MRR Documentation of comprehensive assessment	0.157	0.046	**
K_10	MRR Therapies ordered in response to change	0.165	0.036	**
K_12	MRR Treatment plan in place	0.283	0.000	
K_2	MRR resident seen by physician/psychiatrist?	0.246	0.002	
K_4	MRR evidence in record resident had a problem	0.481	0.000	
K_7	MRR Evidence resident status changed	0.294	0.000	
K_8	MRR Change evaluated within 72 hours	0.291	0.000	
K_9	MRR Physician notified of change	0.222	0.004	
VAL11	Facility Management contract change (YH) VAL11-	0.139	0.078	
VAL49	Ownership Change as1 (VM) VAL49-	0.142	0.071	**

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 41

4. PAC-PAI0X2 / Covariate report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS10	10. cna attend care planning meeting?	-.184	0.022	
AS21B	21b. r\r progs-passive rantge of motion	-.140	0.082	
AS26GA	26ga. rev prog-behav funct-cna?	-.136	0.092	
AS39A	39a. which incl in cqi-dehydration	-.137	0.091	
AS39E	39e. which incl in cqi-behav function	-.141	0.082	
AS5CA	5ca. na\cna hours worked in pay period	-.229	0.004	
VAL109	ADLdec Improvement Scale (JNM) VAL109+	-.163	0.043	
VAL166	BUR Change (based on VAL46) (VM) VAL166+	-.148	0.066	
VAL26	CQI for pain as39 (YH) VAL 26+	-.141	0.082	*
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	-.222	0.006	
VAL80	Frequency of Comprehensive Assessments (JT) VAL80+	-.142	0.077	
WAM1	1. rooms personalized	-.191	0.017	
WAM12	12. out of bed, not for nap or bedtime	-.175	0.029	
WAM9	9. homelike appearance in facility	-.149	0.064	
K_12	MRR Treatment plan in place	0.182	0.023	
K_2	MRR resident seen by physician/psychiatrist?	0.156	0.053	
K_4	MRR evidence in record resident had a problem	0.386	0.000	
K_7	MRR Evidence resident status changed	0.188	0.019	
K_8	MRR Change evaluated within 72 hours	0.173	0.031	
K_9	MRR Physician notified of change	0.154	0.055	
VAL11	Facility Management contract change (YH) VAL11-	0.149	0.065	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 21

5. PAC-PRU0X1 /

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS18E	18e. pract-obs chg in eating, sleeping?	-.153	0.058	
AS26AA	26aa. rev prog-delirium-cna?	-.163	0.044	
AS27D	27d.1 daily repts-commun change	-.162	0.044	
AS39E	39e. which incl in cqi-behav function	-.148	0.068	
AS39F	39f. which incl in cqi-communic change	-.161	0.047	
AS5CA	5ca. na\cna hours worked in pay period	-.156	0.053	
VAL118	BladCont Improvement Scale (JNM) VAL118+	-.137	0.090	
VAL148	COG Change (based on VAL46) (VM) VAL148+	-.151	0.062	
VAL151	MOD Change (based on VAL46) (VM) VAL151+	-.137	0.091	**
VAL166	BUR Change (based on VAL46) (VM) VAL166+	-.140	0.083	
VAL26	CQI for pain as39 (YH) VAL 26+	-.148	0.068	*
VAL32	Incontinence Management (JNM) VAL32+	-.202	0.012	
VAL36	Focus on Incontinence (JNM) VAL36+	-.209	0.009	
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	-.162	0.045	
VAL65	Record of MH Prof (RNJ) VAL65+	-.153	0.090	
WAM9	9. homelike appearance in facility	-.204	0.011	
S_2	MRR resident seen by physician/psychiatrist?	0.211	0.008	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 17

6. PAC-PRU0X2/ Currently reported

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS12A	12a. percent of families attending mtg	-.140	0.092	
AS18E	18e. pract-obs chg in eating, sleeping?	-.189	0.020	
AS26AA	26aa. rev prog-delirium-cna?	-.187	0.023	
AS39A	39a. which incl in cqi-dehydration	-.188	0.022	
AS39E	39e. which incl in cqi-behav function	-.202	0.014	
AS39F	39f. which incl in cqi-communic change	-.174	0.034	
AS5CA	5ca. na\cna hours worked in pay period	-.256	0.001	
AS8A1	8a.1 rn\lpn\lvn staff - last 6 mnths	-.158	0.057	**
VAL103	COGimp Improvement Scale (JNM) VAL103+	-.150	0.065	**
VAL118	BladCont Improvement Scale (JNM) VAL118+	-.198	0.015	
VAL156	FAL Change (based on VAL46) (VM) VAL156+	-.152	0.064	**
VAL166	BUR Change (based on VAL46) (VM) VAL166+	-.164	0.044	
VAL18	Behavioral Items (YH) VAL18+	-.175	0.031	

VAL26	CQI for pain as39 (YH) VAL 26+	-.202	0.014	*
VAL32	Incontinence Management (JNM) VAL32+	-.242	0.003	
VAL36	Focus on Incontinence (JNM) VAL36+	-.273	0.001	
VAL39	CDCPI-Psychosocial (JNM) VAL39+	-.152	0.062	
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	-.189	0.021	
VAL65	Record of MH Prof (RNJ) VAL65+	-.212	0.019	
WAM1	1. rooms personalized	-.219	0.007	
WAM12	12. out of bed, not for nap or bedtime	-.152	0.063	
WAM9	9. homelike appearance in facility	-.280	0.000	
S_2	MRR resident seen by physician/psychiatrist?	0.210	0.010	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 23

7. PAC-PRU0X3 / Covariate report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS18E	18e. pract-obs chg in eating, sleeping?	-.150	0.064	
AS26AA	26aa. rev prog-delirium-cna?	-.191	0.018	
AS27D	27d.1 daily repts-commun change	-.151	0.061	
AS5CA	5ca. na\cna hours worked in pay period	-.168	0.037	
VAL118	BladCont Improvement Scale (JNM) VAL118+	-.156	0.052	
VAL148	COG Change (based on VAL46) (VM) VAL148+	-.137	0.091	
VAL32	Incontinence Management (JNM) VAL32+	-.192	0.017	
VAL36	Focus on Incontinence (JNM) VAL36+	-.204	0.011	
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	-.177	0.028	
WAM9	9. homelike appearance in facility	-.194	0.015	
S_2	MRR resident seen by physician/psychiatrist?	0.197	0.014	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 11

8. PAC-ADL04 / HRCA, 2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS12A	12a. percent of families attending mtg	0.165	0.043	
AS18C	18c. pract-ask resid or fam-behav chg?	0.145	0.073	
VAL160	WGT Change (based on VAL46) (VM) VAL160+	0.273	0.001	
VAL165	PRU Change (based on VAL46) (VM) VAL165+	0.137	0.089	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	0.282	0.000	

VAL46	Change Response (CHNGRESP) (VM) VAL46+	0.257	0.001
VAL52	RN+LPN FTE/BED (VM) VAL52+	0.283	0.000
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	0.228	0.005

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 8

9. PAC-ADL05 / HRCA, 2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS12A	12a. percent of families attending mtg	0.162	0.048	
VAL160	WGT Change (based on VAL46) (VM) VAL160+	0.261	0.001	
VAL165	PRU Change (based on VAL46) (VM) VAL165+	0.140	0.083	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	0.202	0.012	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	0.139	0.088	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	0.168	0.037	
VAL52	RN+LPN FTE/BED (VM) VAL52+	0.253	0.002	
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	0.194	0.016	
VAL10	General Management Instability JNM) VAL10-	-.145	0.072	**
VAL11	Facility Management contract change (YH) VAL11-	-.133	0.100	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 10

10. PAC-ADL06 / HRCA, 2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS18C	18c. pract-ask resid or fam-behav chg?	0.176	0.029	
VAL160	WGT Change (based on VAL46) (VM) VAL160+	0.202	0.012	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	0.294	0.000	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	0.187	0.020	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	0.205	0.011	
VAL52	RN+LPN FTE/BED (VM) VAL52+	0.301	0.000	
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	0.157	0.051	
VAL88	Cognitive Behavioral Care Practices (PILOT) VAL88+	0.154	0.055	
VAL99	Training & Policy for Suspicious Skin (PILOT) VAL99+	0.141	0.081	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 9

11. PAC-MOD04/ HRCA,2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
VAL165	PRU Change (based on VAL46) (VM) VAL165+	0.186	0.020	
VAL174	Match of Chart & Care Plan (PRU) VAL174+	0.176	0.030	
VAL55	Lic Staff turnover last 6mo (%Deciles) (VM) VAL55-	-.165	0.048	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 3

12. PAC-CAT03/ HRCA,2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS28BB3	28bb.3 weekly depression, anxiety	0.235	0.012	
AS34	34. restr-free directive in facility?	0.155	0.056	
VAL164	INF Change (based on VAL46) (VM) VAL164+	0.142	0.077	**
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	0.350	0.000	
VAL37	CDCPI-Incontinence (JNM) VAL37+	0.282	0.000	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	0.353	0.000	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	0.254	0.002	
VAL52	RN+LPN FTE/BED (VM) VAL52+	0.337	0.000	
VAL64	Num CQI Approaches in Use (VM) VAL64+	0.180	0.025	**
VAL80	Frequency of Comprehensive Assessments (JT) VAL80+	0.199	0.013	
VAL55	Lic Staff turnover last 6mo (%Deciles) (VM) VAL55-	-.167	0.046	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 11

13. PAC-PAI02/ HRCA,2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS10	10. cna attend care planning meeting?	0.153	0.057	
AS11A	11a. plan mtgs sched in cna work day	0.204	0.012	
AS12A	12a. percent of families attending mtg	0.140	0.088	
AS14CB	14cb. num residents in meal training	0.149	0.080	

AS18E	18e. pract-obs chg in eating, sleeping?	0.142	0.079	
AS26AA	26aa. rev prog-delirium-cna?	0.143	0.077	
AS26FA	26fa. rev prog-commun chg-cna?	0.221	0.006	
AS26GA	26ga. rev prog-behav funct-cna?	0.198	0.014	
AS26GB	26gb. rev prog-behav funct-rn,lpn\lvn?	0.140	0.085	
AS27D2	27d.2 weekly repts-commun change	0.145	0.073	**
AS39A	39a. which incl in cqi-dehydration	0.210	0.009	
AS39E	39e. which incl in cqi-behav function	0.143	0.077	
AS39G	39g. which incl in cqi-bladder incont	0.163	0.044	
AS5CA	5ca. na\cna hours worked in pay period	0.186	0.020	
CNARAT2	Ratio of CNAs to licensed nurses	0.241	0.004	
VAL166	BUR Change (based on VAL46) (VM) VAL166+	0.141	0.079	
VAL18	Behavioral Items (YH) VAL18+	0.159	0.049	
VAL26	CQI for pain as39 (YH) VAL 26+	0.143	0.077	*
VAL32	Incontinence Management (JNM) VAL32+	0.202	0.012	
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	0.256	0.001	
VAL6	Licensed Nurse Involved in Care Planning (JNM) VAL6+	0.133	0.099	
VAL65	Record of MH Prof (RNJ) VAL65+	0.197	0.028	
K_2	MRR resident seen by physician/psychiatrist?	-.196	0.014	
K_4	MRR evidence in record resident had a problem	-.352	0.000	
VAL11	Facility Management contract change (YH) VAL11-	-.136	0.092	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 25

14. PAC-RSP02/ HRCA,2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS10	10. cna attend care planning meeting?	0.196	0.015	
AS18E	18e. pract-obs chg in eating, sleeping?	0.250	0.002	
AS21D	21d. r\r prog-ambulation, gait train	0.137	0.089	
AS26GA	26ga. rev prog-behav funct-cna?	0.236	0.003	
AS26GB	26gb. rev prog-behav funct-rn,lpn\lvn?	0.193	0.017	
AS39A	39a. which incl in cqi-dehydration	0.321	0.000	
AS39E	39e. which incl in cqi-behav function	0.165	0.041	
AS39F	39f. which incl in cqi-communic change	0.192	0.017	
AS39G	39g. which incl in cqi-bladder incont	0.178	0.028	
AS5CA	5ca. na\cna hours worked in pay period	0.240	0.003	
AS9D	9d. r\r aides contrib to pat care plan	0.150	0.066	
CNARAT2	Ratio of CNAs to licensed nurses	0.242	0.004	
VAL159	NUT Change (based on VAL46) (VM) VAL159+	0.188	0.020	
VAL166	BUR Change (based on VAL46) (VM) VAL166+	0.193	0.016	
VAL18	Behavioral Items (YH) VAL18+	0.219	0.006	
VAL26	CQI for pain as39 (YH) VAL 26+	0.165	0.041	*

VAL32	Incontinence Management (JNM) VAL32+	0.147	0.069
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	0.318	0.000
VAL6	Licensed Nurse Involved in Care Planning (JNM) VAL6+	0.154	0.056
VAL75	Physical Restraints (JA) VAL75+	0.202	0.012
WAM1	1. rooms personalized	0.183	0.023

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 21

15. PAC-BAL01/ HRCA,2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS28BB3	28bb.3 weekly depression, anxiety	0.160	0.090	
AS28HB3	28hb.3 weekly pain	0.150	0.079	**
VAL160	WGT Change (based on VAL46) (VM) VAL160+	0.250	0.002	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	0.238	0.003	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	0.196	0.016	
VAL52	RN+LPN FTE/BED (VM) VAL52+	0.257	0.002	
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	0.176	0.030	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 7

16 PAC-ROM01/ HRCA,2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS10	10. cna attend care planning meeting?	0.172	0.033	
VAL148	COG Change (based on VAL46) (VM) VAL148+	0.143	0.078	
VAL174	Match of Chart & Care Plan (PRU) VAL174+	0.151	0.065	
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	0.177	0.028	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 4

17. PAC-ADL0X1/ Validation Report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS18C	18c. pract-ask resid or fam-behav chg?	-.149	0.064	
VAL160	WGT Change (based on VAL46) (VM) VAL160+	-.265	0.001	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	-.351	0.000	
VAL174	Match of Chart & Care Plan (PRU) VAL174+	-.156	0.056	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	-.211	0.009	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	-.267	0.001	
VAL52	RN+LPN FTE/BED (VM) VAL52+	-.312	0.000	
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	-.214	0.007	
VAL88	Cognitive Behavioral Care Practices (PILOT) VAL88+	-.134	0.096	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 9

18. PAC-ADL0X2/ Covariate report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS18C	18c. pract-ask resid or fam-behav chg?	-.164	0.042	
VAL160	WGT Change (based on VAL46) (VM) VAL160+	-.255	0.001	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	-.281	0.000	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	-.135	0.097	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	-.210	0.009	
VAL52	RN+LPN FTE/BED (VM) VAL52+	-.259	0.001	
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	-.199	0.013	
VAL88	Cognitive Behavioral Care Practices (PILOT) VAL88+	-.140	0.082	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 8

19. PAC-CNT0X1/ Validation Report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS27D	27d.1 daily repts-commun change	-.220	0.006	
AS28DB3	28db.3 weekly bladdr incontinence	-.152	0.087	**
AS34	34. restr-free directive in facility?	-.210	0.009	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	-.293	0.000	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	-.192	0.018	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	-.156	0.055	
VAL52	RN+LPN FTE/BED (VM) VAL52+	-.314	0.000	
P_4	MRR evidence in record resident had a problem	0.358	0.000	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 8

20 PAC-CNT0X2/ Covariate report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS27B	27b.1 daily repts-behav function	-.146	0.072	
AS27D	27d.1 daily repts-commun change	-.206	0.010	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	-.210	0.010	
VAL2	Monitor Change in Function/Cognitive Care (JNM) VAL2+	-.143	0.077	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	-.227	0.005	
VAL52	RN+LPN FTE/BED (VM) VAL52+	-.366	0.000	
VAL80	Frequency of Comprehensive Assessments (JT) VAL80+	-.148	0.067	
P_4	MRR evidence in record resident had a problem	0.274	0.001	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 8

21. PAC-RSP0X1/ Covariate Report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS10	10. cna attend care planning meeting?	-.216	0.007	
AS11A	11a. plan mtgs sched in cna work day	-.178	0.028	
AS12A	12a. percent of families attending mtg	-.171	0.037	
AS18E	18e. pract-obs chg in eating, sleeping?	-.219	0.006	
AS26GA	26ga. rev prog-behav funct-cna?	-.228	0.004	
AS26GB	26gb. rev prog-behav funct-rn,lpn\lvn?	-.177	0.028	
AS39A	39a. which incl in cqi-dehydration	-.248	0.002	
AS39G	39g. which incl in cqi-bladder incont	-.148	0.067	
AS5CA	5ca. na\cna hours worked in pay period	-.304	0.000	
AS9D	9d. r\r aides contrib to pat care plan	-.176	0.030	
VAL159	NUT Change (based on VAL46) (VM) VAL159+	-.173	0.033	
VAL166	BUR Change (based on VAL46) (VM) VAL166+	-.247	0.002	
VAL18	Behavioral Items (YH) VAL18+	-.148	0.066	
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	-.283	0.000	
VAL75	Physical Restraints (JA) VAL75+	-.174	0.031	
WAM1	1. rooms personalized	-.217	0.007	
WAM12	12. out of bed, not for nap or bedtime	-.159	0.049	
R_2	MRR resident seen by physician/psychiatrist?	0.152	0.058	
R_8	MRR Change evaluated within 72 hours	0.136	0.092	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 19

22. PAC-RSP0X2/ Covariate Report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS18E	18e. pract-obs chg in eating, sleeping?	-.181	0.025	
AS26GA	26ga. rev prog-behav funct-cna?	-.156	0.053	
AS5CA	5ca. na\cna hours worked in pay period	-.144	0.075	
VAL159	NUT Change (based on VAL46) (VM) VAL159+	-.196	0.015	
VAL166	BUR Change (based on VAL46) (VM) VAL166+	-.153	0.058	
VAL57	CNA Involved in Care Planning (VM, JT) VAL57+	-.216	0.007	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 6

23. PAC-WAL0X1 / Validation Report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS12A	12a. percent of families attending mtg	0.179	0.029	
VAL160	WGT Change (based on VAL46) (VM) VAL160+	0.231	0.004	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	0.330	0.000	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	0.274	0.001	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	0.246	0.002	
VAL52	RN+LPN FTE/BED (VM) VAL52+	0.287	0.000	
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	0.194	0.017	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 7

24. PAC-WAL0X2 / Covariate report

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS12A	12a. percent of families attending mtg	0.193	0.019	
VAL160	WGT Change (based on VAL46) (VM) VAL160+	0.214	0.008	
VAL165	PRU Change (based on VAL46) (VM) VAL165+	0.155	0.056	
VAL168	Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+	0.239	0.003	
VAL45	Pain Assessment (ASSESS) (VM) VAL45+	0.235	0.004	
VAL46	Change Response (CHNGRESP) (VM) VAL46+	0.184	0.024	
VAL52	RN+LPN FTE/BED (VM) VAL52+	0.259	0.001	
VAL80	Frequency of Comprehensive Assessments (JT) VAL80+	0.151	0.062	
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	0.180	0.026	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 9

25. PAC-WAL02/ HRCA,2/2004

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
VAL148	COG Change (based on VAL46) (VM) VAL148+	0.139	0.086	
VAL160	WGT Change (based on VAL46) (VM) VAL160+	0.180	0.026	
VAL81	% Res w/Tx Plans for Weight Loss (JT) VAL81+	0.141	0.079	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 3

26. PAC-CNT04 / Validation Report for Chronic

validation variable	label	Pearson Correlation	p-value	usage
=====	=====	=====	=====	=====
AS34	34. restr-free directive in facility?	-.131	0.097	
VAL72	Observation of Movement Scale (JS) VAL72+	-.134	0.090	**
R_12	MRR Treatment plan in place	0.139	0.079	
R_7	MRR Evidence resident status changed	0.140	0.076	
R_9	MRR Physician notified of change	0.138	0.081	

COUNT OF SIGNIFICANT AND SUPPORTIVE ASSOCIATIONS = 5