

**U.S. Department of Health & Human Services
Predictive Forecasting of Care Load & Placement Demand
Unaccompanied Alien Children (UAC) Program**

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Predictive Analytics & Forecast Modeling

Report Generated Using SAS Time-Series Framework

Executive Summary

This report presents predictive forecasting of children under Health and Human Services (HHS) care using statistical time-series modeling techniques.

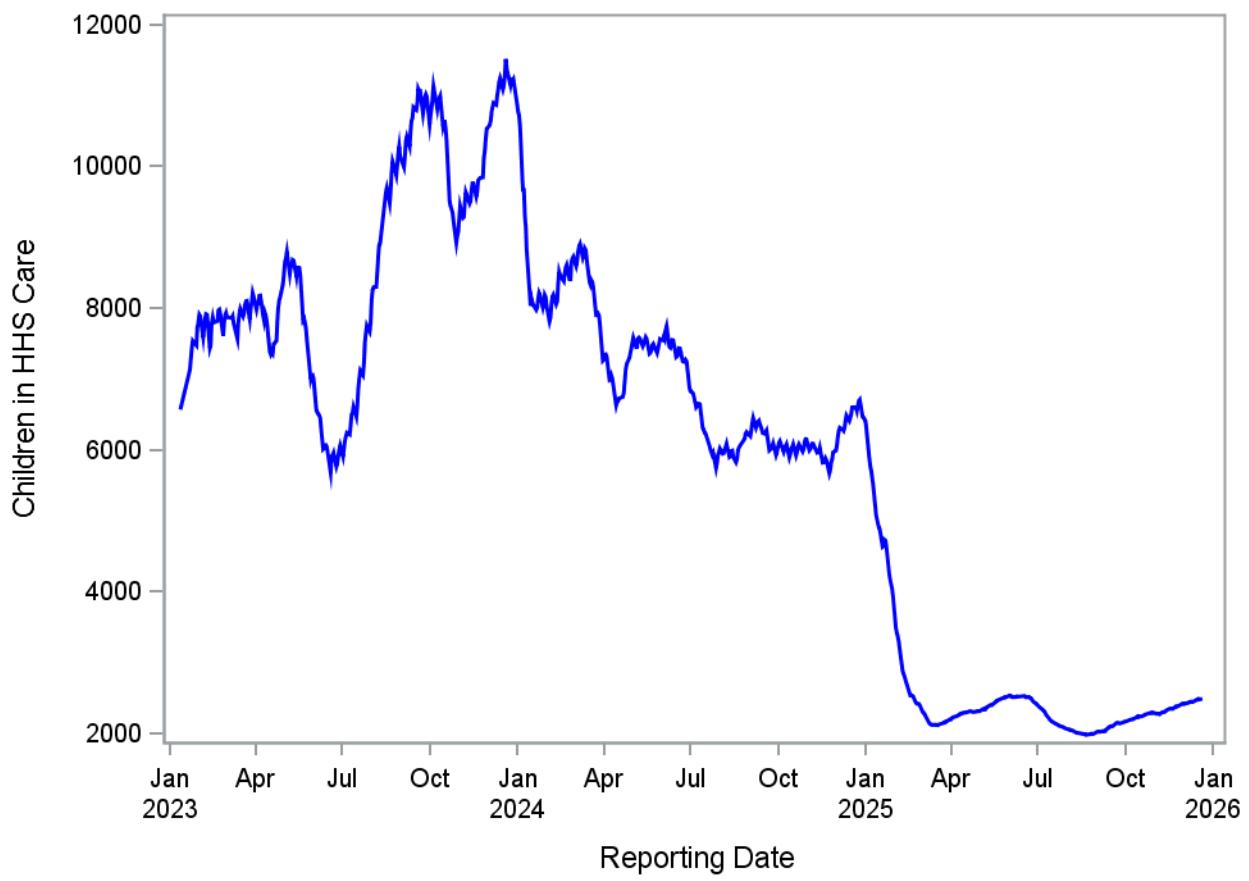
Key Insights:

- Forecast horizon: 30 days
- Predicted care load range: 2300 – 2500
- No immediate capacity breach risk detected
- Forecast uncertainty increases beyond week three

Operational Implications:

- Stabilized shelter utilization
- Reduced staffing surge pressure
- Placement capacity remains adequate

Historical Care Load Trend



30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
6566					
7122	6560.51	133.167	6299.51	6821.51	561.490
7280	7221.57	133.167	6960.57	7482.57	58.427
7433	7290.74	133.167	7029.74	7551.74	142.260
7538	7454.95	133.167	7193.95	7715.95	83.053
7472	7549.43	133.167	7288.43	7810.44	-77.434
7743	7452.87	133.167	7191.87	7713.88	290.126
7803	7791.11	133.167	7530.11	8052.11	11.891
7903	7802.44	133.167	7541.44	8063.44	100.563
7879	7916.58	133.167	7655.57	8177.58	-37.575
7586	7867.44	133.167	7606.44	8128.44	-281.440
7720	7527.54	133.167	7266.54	7788.54	192.458
7855	7747.85	133.167	7486.85	8008.85	107.149
7915	7871.24	133.167	7610.24	8132.24	43.760
7908	7918.79	133.167	7657.79	8179.80	-10.794
7434	7900.96	133.167	7639.96	8161.96	-466.958
7483	7341.06	133.167	7080.06	7602.06	141.943
7794	7499.66	133.167	7238.66	7760.66	294.340
7869	7844.70	133.167	7583.70	8105.70	24.298
7793	7870.89	133.167	7609.89	8131.89	-77.890
7817	7773.31	133.167	7512.31	8034.31	43.692
7967	7818.97	133.167	7557.97	8079.97	148.031
7978	7989.58	133.167	7728.58	8250.59	-11.585
7914	7971.76	133.167	7710.76	8232.76	-57.758
7609	7897.66	133.167	7636.66	8158.67	-288.665
7800	7548.95	133.167	7287.95	7809.95	251.050
7896	7838.73	133.167	7577.73	8099.74	57.266
7930	7903.46	133.167	7642.45	8164.46	26.545
7870	7930.13	133.167	7669.13	8191.13	-60.130
7859	7853.54	133.167	7592.54	8114.54	5.458
7885	7853.98	133.167	7592.98	8114.98	31.022
7786	7885.34	133.167	7624.34	8146.34	-99.338
7567	7762.22	133.167	7501.21	8023.22	-195.216
7810	7524.06	133.167	7263.06	7785.06	285.940
7915	7856.13	133.167	7595.12	8117.13	58.875
7989	7923.13	133.167	7662.13	8184.13	65.871
7885	7996.52	133.167	7735.52	8257.52	-111.522
7931	7859.30	133.167	7598.30	8120.30	71.701
8050	7937.91	133.167	7676.91	8198.91	112.093
8097	8066.11	133.167	7805.11	8327.11	30.891
8102	8098.38	133.167	7837.38	8359.38	3.621
7847	8097.53	133.167	7836.53	8358.54	-250.534
7994	7794.68	133.167	7533.68	8055.68	199.317
8079	8023.44	133.167	7762.44	8284.45	55.556
8208	8085.67	133.167	7824.67	8346.67	122.333

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
8158	8226.01	133.167	7965.01	8487.01	-68.013
7981	8140.97	133.167	7879.97	8401.97	-159.969
8054	7945.00	133.167	7683.99	8206.00	109.004
8068	8067.37	133.167	7806.37	8328.37	0.632
8175	8063.58	133.167	7802.58	8324.58	111.421
8178	8190.41	133.167	7929.41	8451.41	-12.412
7900	8171.24	133.167	7910.24	8432.24	-271.241
7826	7843.69	133.167	7582.69	8104.69	-17.693
7922	7814.64	133.167	7553.64	8075.64	107.363
7876	7936.30	133.167	7675.30	8197.30	-60.303
7795	7860.22	133.167	7599.22	8121.23	-65.224
7380	7776.79	133.167	7515.79	8037.79	-396.787
7344	7299.62	133.167	7038.62	7560.63	44.376
7376	7343.04	133.167	7082.04	7604.04	32.962
7356	7376.91	133.167	7115.90	7637.91	-20.906
7490	7346.92	133.167	7085.92	7607.92	143.079
7534	7511.10	133.167	7250.10	7772.10	22.899
7796	7534.14	133.167	7273.13	7795.14	261.865
8017	7839.79	133.167	7578.79	8100.79	177.208
8117	8047.15	133.167	7786.15	8308.15	69.847
8159	8126.38	133.167	7865.37	8387.38	32.623
8352	8160.36	133.167	7899.36	8421.37	191.636
8492	8382.71	133.167	8121.71	8643.72	109.287
8654	8508.78	133.167	8247.78	8769.79	145.216
8704	8676.81	133.167	8415.80	8937.81	27.195
8790	8705.03	133.167	8444.02	8966.03	84.975
8485	8800.74	133.167	8539.74	9061.74	-315.739
8590	8421.25	133.167	8160.25	8682.25	168.751
8606	8613.15	133.167	8352.15	8874.15	-7.148
8681	8600.62	133.167	8339.61	8861.62	80.384
8672	8690.56	133.167	8429.55	8951.56	-18.556
8445	8663.80	133.167	8402.79	8924.80	-218.797
8571	8398.43	133.167	8137.43	8659.43	172.567
8572	8595.73	133.167	8334.73	8856.73	-23.729
8569	8563.59	133.167	8302.59	8824.60	5.406
8474	8564.37	133.167	8303.37	8825.38	-90.375
7826	8451.64	133.167	8190.64	8712.64	-625.643
7848	7702.59	133.167	7441.59	7963.59	145.407
7788	7863.77	133.167	7602.77	8124.77	-75.773
7709	7769.40	133.167	7508.40	8030.41	-60.404
7546	7691.55	133.167	7430.55	7952.55	-145.547
6996	7512.67	133.167	7251.67	7773.67	-516.673
7046	6892.43	133.167	6631.43	7153.43	153.570
7053	7064.30	133.167	6803.30	7325.30	-11.300
7002	7046.60	133.167	6785.59	7307.60	-44.595

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
6555	6988.12	133.167	6727.12	7249.12	-433.120
6523	6468.04	133.167	6207.04	6729.05	54.956
6508	6523.69	133.167	6262.68	6784.69	-15.686
6483	6499.89	133.167	6238.88	6760.89	-16.886
6446	6474.22	133.167	6213.22	6735.22	-28.218
6007	6435.06	133.167	6174.06	6696.07	-428.064
6021	5921.14	133.167	5660.14	6182.14	99.861
6061	6030.14	133.167	5769.14	6291.14	30.857
6065	6062.02	133.167	5801.02	6323.02	2.978
6038	6060.40	133.167	5799.39	6321.40	-22.396
5679	6028.36	133.167	5767.36	6289.37	-349.364
5904	5607.93	133.167	5346.93	5868.93	296.070
5922	5950.60	133.167	5689.60	6211.60	-28.603
5956	5913.78	133.167	5652.78	6174.79	42.215
5766	5958.27	133.167	5697.27	6219.27	-192.272
5819	5724.92	133.167	5463.92	5985.93	94.075
5917	5829.32	133.167	5568.32	6090.32	87.681
5999	5928.71	133.167	5667.71	6189.72	70.286
6058	6007.53	133.167	5746.53	6268.53	50.471
5903	6062.66	133.167	5801.66	6323.66	-159.661
6127	5868.15	133.167	5607.15	6129.15	258.853
6193	6168.46	133.167	5907.46	6429.47	24.535
6239	6194.47	133.167	5933.47	6455.47	44.532
6214	6242.19	133.167	5981.19	6503.19	-28.193
6346	6203.67	133.167	5942.67	6464.67	142.328
6498	6366.90	133.167	6105.90	6627.90	131.102
6521	6518.37	133.167	6257.37	6779.37	2.628
6604	6517.31	133.167	6256.30	6778.31	86.694
6468	6614.82	133.167	6353.82	6875.82	-146.822
6632	6435.86	133.167	6174.86	6696.86	196.140
6874	6661.87	133.167	6400.87	6922.87	212.133
7001	6909.99	133.167	6648.98	7170.99	91.014
7116	7014.63	133.167	6753.63	7275.63	101.369
7052	7130.44	133.167	6869.44	7391.44	-78.442
7220	7032.84	133.167	6771.84	7293.84	187.163
7510	7248.84	133.167	6987.84	7509.84	261.158
7647	7555.11	133.167	7294.11	7816.11	91.892
7754	7661.26	133.167	7400.25	7922.26	92.744
7671	7766.86	133.167	7505.86	8027.86	-95.859
7800	7648.50	133.167	7387.50	7909.50	151.501
8103	7822.00	133.167	7561.00	8083.00	281.000
8261	8151.48	133.167	7890.47	8412.48	109.525
8294	8278.72	133.167	8017.72	8539.73	15.275
8298	8292.54	133.167	8031.54	8553.54	5.461
8493	8293.74	133.167	8032.73	8554.74	199.265

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
8725	8524.86	133.167	8263.86	8785.86	200.143
8888	8758.84	133.167	8497.84	9019.84	129.157
8914	8908.66	133.167	8647.66	9169.66	5.340
9634	8910.83	133.167	8649.83	9171.83	723.172
9694	9763.94	133.167	9502.94	10024.94	-69.943
9483	9682.25	133.167	9421.25	9943.25	-199.251
9668	9439.91	133.167	9178.91	9700.91	228.088
9921	9703.29	133.167	9442.29	9964.29	217.707
10071	9958.30	133.167	9697.30	10219.30	112.698
10026	10088.75	133.167	9827.75	10349.76	-62.755
9873	10009.94	133.167	9748.94	10270.94	-136.940
10012	9841.35	133.167	9580.35	10102.36	170.646
10180	10037.12	133.167	9776.12	10298.12	142.878
10280	10202.79	133.167	9941.79	10463.79	77.212
10140	10290.38	133.167	10029.38	10551.38	-150.383
9988	10107.17	133.167	9846.17	10368.17	-119.171
10142	9958.83	133.167	9697.83	10219.83	183.167
10356	10169.59	133.167	9908.59	10430.59	186.411
10419	10387.06	133.167	10126.06	10648.06	31.942
10282	10421.33	133.167	10160.33	10682.33	-139.330
10492	10250.83	133.167	9989.83	10511.84	241.166
10649	10530.34	133.167	10269.34	10791.34	118.659
10678	10667.92	133.167	10406.92	10928.92	10.077
10837	10675.63	133.167	10414.62	10936.63	161.373
10799	10861.86	133.167	10600.86	11122.86	-62.862
10892	10783.28	133.167	10522.28	11044.28	108.722
11095	10906.34	133.167	10645.34	11167.34	188.662
11064	11125.81	133.167	10864.81	11386.81	-61.811
11067	11048.77	133.167	10787.77	11309.78	18.225
10744	11064.43	133.167	10803.43	11325.43	-320.429
10842	10678.70	133.167	10417.70	10939.70	163.300
10978	10864.05	133.167	10603.05	11125.05	113.950
11017	10995.22	133.167	10734.22	11256.22	21.780
10984	11016.73	133.167	10755.73	11277.73	-32.730
10598	10972.65	133.167	10711.65	11233.65	-374.649
10724	10522.11	133.167	10261.11	10783.11	201.888
10818	10752.74	133.167	10491.74	11013.74	65.263
10963	10826.45	133.167	10565.45	11087.45	136.553
11130	10983.76	133.167	10722.76	11244.77	146.236
10815	11153.20	133.167	10892.20	11414.20	-338.197
10910	10747.67	133.167	10486.67	11008.68	162.325
10960	10931.77	133.167	10670.76	11192.77	28.234
10992	10961.17	133.167	10700.17	11222.17	30.833
10571	10992.61	133.167	10731.61	11253.62	-421.615
10629	10486.93	133.167	10225.93	10747.93	142.072

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
10630	10646.13	133.167	10385.13	10907.13	-16.132
10511	10622.63	133.167	10361.63	10883.63	-111.632
10319	10484.53	133.167	10223.53	10745.53	-165.527
9506	10281.48	133.167	10020.48	10542.48	-775.480
9436	9353.79	133.167	9092.79	9614.79	82.208
9396	9438.50	133.167	9177.49	9699.50	-42.495
9351	9382.96	133.167	9121.96	9643.96	-31.961
9235	9339.15	133.167	9078.15	9600.15	-104.149
8925	9209.70	133.167	8948.70	9470.70	-284.702
9026	8865.24	133.167	8604.24	9126.24	160.760
9072	9047.85	133.167	8786.85	9308.86	24.146
9250	9072.41	133.167	8811.41	9333.41	177.593
9442	9278.04	133.167	9017.04	9539.04	163.962
9273	9468.88	133.167	9207.88	9729.88	-195.880
9286	9232.49	133.167	8971.49	9493.49	53.510
9483	9288.76	133.167	9027.76	9549.76	194.243
9634	9514.27	133.167	9253.27	9775.27	119.728
9477	9652.77	133.167	9391.76	9913.77	-175.766
9510	9439.84	133.167	9178.84	9700.85	70.155
9665	9516.04	133.167	9255.04	9777.04	148.959
9762	9687.96	133.167	9426.96	9948.97	74.036
9762	9771.80	133.167	9510.80	10032.80	-9.798
9573	9755.45	133.167	9494.45	10016.45	-182.448
9638	9533.32	133.167	9272.32	9794.32	104.682
9804	9650.37	133.167	9389.37	9911.38	153.626
9838	9828.16	133.167	9567.15	10089.16	9.844
9845	9835.85	133.167	9574.85	10096.85	9.153
10123	9841.39	133.167	9580.39	10102.39	281.609
10223	10170.30	133.167	9909.30	10431.30	52.702
10398	10230.03	133.167	9969.03	10491.03	167.967
10536	10424.57	133.167	10163.57	10685.57	111.429
10579	10552.98	133.167	10291.97	10813.98	26.023
10635	10579.51	133.167	10318.51	10840.51	55.488
10761	10640.20	133.167	10379.19	10901.20	120.805
10832	10778.65	133.167	10517.65	11039.65	53.347
10897	10837.66	133.167	10576.66	11098.66	59.341
10871	10903.18	133.167	10642.17	11164.18	-32.176
10998	10860.08	133.167	10599.08	11121.08	137.922
11077	11018.04	133.167	10757.04	11279.04	58.957
11192	11083.83	133.167	10822.83	11344.83	108.171
11242	11207.37	133.167	10946.37	11468.37	34.628
11092	11244.04	133.167	10983.04	11505.04	-152.041
11149	11058.44	133.167	10797.44	11319.44	90.559
11291	11159.04	133.167	10898.04	11420.04	131.960
11516	11310.98	133.167	11049.98	11571.99	205.015

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
11375	11550.16	133.167	11289.15	11811.16	-175.156
11144	11338.73	133.167	11077.73	11599.74	-194.735
11217	11100.52	133.167	10839.52	11361.52	116.479
11206	11231.39	133.167	10970.39	11492.39	-25.390
11230	11196.76	133.167	10935.76	11457.76	33.238
10870	11230.54	133.167	10969.54	11491.54	-360.540
10770	10797.35	133.167	10536.35	11058.35	-27.352
10718	10756.01	133.167	10495.00	11017.01	-38.006
10558	10704.97	133.167	10443.97	10965.97	-146.970
9670	10524.63	133.167	10263.63	10785.63	-854.630
9670	9503.19	133.167	9242.19	9764.19	166.809
9311	9687.59	133.167	9426.59	9948.59	-376.589
9144	9236.21	133.167	8975.21	9497.21	-92.208
8829	9117.76	133.167	8856.76	9378.76	-288.762
8033	8768.43	133.167	8507.43	9029.43	-735.432
8133	7887.12	133.167	7626.12	8148.12	245.877
8072	8166.44	133.167	7905.44	8427.44	-94.439
8042	8050.80	133.167	7789.80	8311.80	-8.802
7974	8034.07	133.167	7773.07	8295.07	-60.071
8008	7957.15	133.167	7696.15	8218.15	50.853
8133	8011.45	133.167	7750.45	8272.45	121.548
8212	8150.70	133.167	7889.70	8411.71	61.296
8180	8219.15	133.167	7958.15	8480.15	-39.149
8004	8167.82	133.167	7906.82	8428.82	-163.822
8057	7967.52	133.167	7706.52	8228.52	89.481
8182	8066.69	133.167	7805.69	8327.69	115.309
8153	8198.85	133.167	7937.85	8459.85	-45.851
8026	8140.06	133.167	7879.06	8401.06	-114.057
7813	7998.79	133.167	7737.79	8259.79	-185.793
7872	7771.65	133.167	7510.65	8032.65	100.349
8045	7883.48	133.167	7622.48	8144.48	161.521
8160	8070.59	133.167	7809.59	8331.59	89.411
8188	8172.81	133.167	7911.81	8433.81	15.193
8056	8186.28	133.167	7925.27	8447.28	-130.275
8092	8026.32	133.167	7765.32	8287.33	65.676
8348	8097.58	133.167	7836.58	8358.58	250.420
8512	8389.93	133.167	8128.92	8650.93	122.075
8463	8531.74	133.167	8270.74	8792.74	-68.743
8380	8445.92	133.167	8184.92	8706.92	-65.920
8488	8361.59	133.167	8100.59	8622.59	126.409
8573	8505.51	133.167	8244.51	8766.51	67.488
8607	8581.30	133.167	8320.30	8842.30	25.702
8404	8607.01	133.167	8346.01	8868.02	-203.014
8404	8360.80	133.167	8099.80	8621.80	43.199
8650	8404.69	133.167	8143.69	8665.69	245.308

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
8699	8690.72	133.167	8429.72	8951.72	8.278
8724	8697.39	133.167	8436.39	8958.39	26.611
8594	8723.68	133.167	8462.68	8984.69	-129.685
8660	8564.51	133.167	8303.50	8825.51	95.495
8800	8671.17	133.167	8410.17	8932.17	128.832
8870	8819.46	133.167	8558.45	9080.46	50.544
8902	8875.23	133.167	8614.22	9136.23	26.775
8714	8902.06	133.167	8641.06	9163.06	-188.060
8757	8673.60	133.167	8412.60	8934.60	83.399
8843	8765.36	133.167	8504.35	9026.36	77.645
8819	8852.74	133.167	8591.73	9113.74	-33.737
8695	8807.97	133.167	8546.96	9068.97	-112.965
8373	8668.09	133.167	8407.09	8929.09	-295.093
8333	8311.21	133.167	8050.21	8572.22	21.786
8390	8328.75	133.167	8067.75	8589.75	61.252
8365	8396.03	133.167	8135.03	8657.04	-31.034
8292	8354.28	133.167	8093.28	8615.29	-62.284
7899	8274.59	133.167	8013.59	8535.59	-375.592
7899	7822.63	133.167	7561.63	8083.63	76.370
7919	7904.23	133.167	7643.22	8165.23	14.774
7893	7916.81	133.167	7655.81	8177.82	-23.815
7762	7883.22	133.167	7622.22	8144.22	-121.221
7257	7733.61	133.167	7472.61	7994.61	-476.612
7271	7161.17	133.167	6900.17	7422.18	109.825
7340	7281.51	133.167	7020.50	7542.51	58.495
7346	7346.26	133.167	7085.26	7607.26	-0.262
7317	7341.05	133.167	7080.05	7602.06	-24.054
6982	7307.04	133.167	7046.04	7568.04	-325.037
6988	6915.47	133.167	6654.46	7176.47	72.535
7043	6993.00	133.167	6732.00	7254.01	49.995
6999	7047.39	133.167	6786.39	7308.40	-48.394
6912	6984.95	133.167	6723.95	7245.95	-72.953
6630	6892.43	133.167	6631.43	7153.43	-262.428
6681	6574.70	133.167	6313.69	6835.70	106.304
6685	6692.89	133.167	6431.89	6953.89	-7.889
6725	6678.91	133.167	6417.91	6939.91	46.090
6728	6728.10	133.167	6467.10	6989.11	-0.104
6745	6722.92	133.167	6461.92	6983.93	22.076
6799	6743.66	133.167	6482.66	7004.66	55.338
6967	6804.07	133.167	6543.07	7065.08	162.926
7128	6992.53	133.167	6731.53	7253.53	135.472
7209	7149.42	133.167	6888.42	7410.42	59.577
7298	7216.01	133.167	6955.01	7477.02	81.985
7373	7308.48	133.167	7047.48	7569.48	64.519
7431	7380.39	133.167	7119.39	7641.39	50.612

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
7508	7435.63	133.167	7174.63	7696.63	72.370
7577	7516.56	133.167	7255.56	7777.56	60.438
7447	7583.53	133.167	7322.53	7844.53	-136.527
7449	7416.57	133.167	7155.57	7677.57	32.430
7566	7448.32	133.167	7187.32	7709.32	117.679
7583	7582.77	133.167	7321.77	7843.77	0.228
7570	7578.68	133.167	7317.67	7839.68	-8.675
7464	7562.95	133.167	7301.94	7823.95	-98.946
7499	7439.92	133.167	7178.92	7700.92	59.083
7546	7503.63	133.167	7242.63	7764.63	42.372
7589	7548.95	133.167	7287.95	7809.95	40.051
7565	7591.43	133.167	7330.43	7852.43	-26.430
7356	7554.96	133.167	7293.96	7815.97	-198.964
7368	7313.05	133.167	7052.05	7574.05	54.948
7404	7370.90	133.167	7109.90	7631.90	33.097
7474	7405.13	133.167	7144.12	7666.13	68.874
7494	7481.73	133.167	7220.73	7742.73	12.269
7365	7491.47	133.167	7230.47	7752.47	-126.472
7418	7335.99	133.167	7074.99	7597.00	82.005
7491	7426.67	133.167	7165.67	7687.67	64.331
7563	7498.26	133.167	7237.26	7759.26	64.739
7546	7570.27	133.167	7309.26	7831.27	-24.267
7596	7536.61	133.167	7275.61	7797.61	59.387
7565	7601.43	133.167	7340.42	7862.43	-36.426
7691	7553.24	133.167	7292.24	7814.25	137.755
7741	7710.97	133.167	7449.97	7971.97	30.030
7451	7742.41	133.167	7481.41	8003.41	-291.413
7439	7391.33	133.167	7130.33	7652.33	47.669
7493	7439.70	133.167	7178.70	7700.70	53.302
7548	7497.80	133.167	7236.79	7758.80	50.204
7544	7552.42	133.167	7291.42	7813.42	-8.423
7307	7537.43	133.167	7276.43	7798.44	-230.434
7318	7258.34	133.167	6997.34	7519.34	59.662
7340	7321.50	133.167	7060.50	7582.50	18.503
7433	7338.43	133.167	7077.42	7599.43	94.575
7431	7445.40	133.167	7184.40	7706.41	-14.404
7247	7423.72	133.167	7162.72	7684.72	-176.717
7239	7208.35	133.167	6947.35	7469.35	30.647
7239	7237.57	133.167	6976.57	7498.57	1.427
7268	7233.98	133.167	6972.98	7494.98	34.018
7248	7268.90	133.167	7007.90	7529.90	-20.899
6874	7238.92	133.167	6977.92	7499.92	-364.922
6825	6800.05	133.167	6539.05	7061.05	24.953
6823	6820.73	133.167	6559.73	7081.73	2.273
6790	6818.00	133.167	6557.00	7079.00	-27.997

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
6599	6779.30	133.167	6518.29	7040.30	-180.296
6617	6559.51	133.167	6298.51	6820.51	57.489
6651	6620.55	133.167	6359.55	6881.55	30.447
6649	6651.66	133.167	6390.66	6912.66	-2.663
6640	6643.32	133.167	6382.32	6904.32	-3.322
6308	6633.88	133.167	6372.88	6894.88	-325.879
6283	6241.50	133.167	5980.50	6502.50	41.498
6239	6282.20	133.167	6021.20	6543.20	-43.199
6228	6225.66	133.167	5964.66	6486.66	2.337
6058	6222.55	133.167	5961.55	6483.55	-164.552
6002	6021.72	133.167	5760.72	6282.72	-19.722
5965	5991.27	133.167	5730.27	6252.27	-26.267
5927	5954.33	133.167	5693.33	6215.33	-27.331
5954	5916.13	133.167	5655.13	6177.14	37.865
5743	5955.32	133.167	5694.32	6216.33	-212.324
5819	5698.12	133.167	5437.12	5959.13	120.875
5930	5834.14	133.167	5573.14	6095.14	95.858
5963	5943.49	133.167	5682.49	6204.49	19.513
6016	5962.12	133.167	5701.12	6223.12	53.882
5943	6020.82	133.167	5759.82	6281.83	-77.824
5950	5923.47	133.167	5662.47	6184.47	26.532
5998	5948.77	133.167	5687.77	6209.77	49.233
6038	6001.94	133.167	5740.94	6262.94	36.063
6084	6039.73	133.167	5778.73	6300.73	44.267
5894	6087.16	133.167	5826.16	6348.16	-193.157
5903	5852.80	133.167	5591.80	6113.81	50.196
5981	5905.10	133.167	5644.10	6166.10	75.898
5987	5990.09	133.167	5729.09	6251.10	-3.094
5895	5981.67	133.167	5720.66	6242.67	-86.666
5821	5873.30	133.167	5612.30	6134.30	-52.301
5865	5804.91	133.167	5543.90	6065.91	60.094
5995	5870.22	133.167	5609.22	6131.22	124.780
6028	6013.40	133.167	5752.40	6274.40	14.602
6054	6026.45	133.167	5765.45	6287.45	27.553
6152	6053.86	133.167	5792.86	6314.87	98.136
6227	6165.14	133.167	5904.14	6426.14	61.857
6250	6234.02	133.167	5973.02	6495.03	15.976
6192	6248.13	133.167	5987.13	6509.13	-56.130
6272	6176.19	133.167	5915.19	6437.19	95.810
6375	6283.92	133.167	6022.92	6544.92	91.083
6448	6387.43	133.167	6126.43	6648.43	60.569
6312	6454.75	133.167	6193.75	6715.75	-142.747
6353	6280.42	133.167	6019.42	6541.42	72.583
6396	6359.78	133.167	6098.77	6620.78	36.224
6410	6397.91	133.167	6136.90	6658.91	12.093

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
6360	6407.15	133.167	6146.14	6668.15	-47.146
6326	6345.82	133.167	6084.82	6606.82	-19.821
6234	6316.36	133.167	6055.36	6577.36	-82.363
6229	6212.89	133.167	5951.89	6473.89	16.110
6227	6225.74	133.167	5964.74	6486.74	1.263
6245	6221.86	133.167	5960.86	6482.86	23.141
6270	6243.86	133.167	5982.86	6504.86	26.142
5989	6269.62	133.167	6008.62	6530.62	-280.621
6002	5931.26	133.167	5670.26	6192.26	70.740
6023	6007.11	133.167	5746.11	6268.11	15.888
6050	6021.02	133.167	5760.02	6282.02	28.983
6090	6050.11	133.167	5789.11	6311.11	39.890
5925	6092.26	133.167	5831.25	6353.26	-167.256
5967	5888.60	133.167	5627.60	6149.61	78.395
6040	5974.62	133.167	5713.62	6235.62	65.379
6091	6047.40	133.167	5786.40	6308.41	43.596
6118	6094.32	133.167	5833.32	6355.32	23.682
5968	6117.39	133.167	5856.38	6378.39	-149.385
6013	5934.80	133.167	5673.80	6195.81	78.196
6047	6020.74	133.167	5759.74	6281.75	26.255
6075	6047.09	133.167	5786.09	6308.09	27.910
5889	6075.01	133.167	5814.01	6336.02	-186.014
5935	5848.98	133.167	5587.98	6109.98	86.018
6013	5943.86	133.167	5682.86	6204.87	69.136
6036	6021.17	133.167	5760.17	6282.17	14.830
6076	6033.97	133.167	5772.97	6294.98	42.026
5918	6078.55	133.167	5817.55	6339.55	-160.548
5966	5882.87	133.167	5621.87	6143.88	83.126
6043	5974.57	133.167	5713.57	6235.57	68.430
6077	6051.02	133.167	5790.02	6312.02	25.977
5974	6077.05	133.167	5816.05	6338.05	-103.052
6008	5949.51	133.167	5688.51	6210.51	58.493
6106	6012.50	133.167	5751.50	6273.50	93.503
6149	6118.51	133.167	5857.51	6379.51	30.491
6148	6150.12	133.167	5889.12	6411.12	-2.123
5990	6142.45	133.167	5881.44	6403.45	-152.446
6007	5955.98	133.167	5694.98	6216.98	51.018
6045	6009.62	133.167	5748.62	6270.62	35.382
6086	6046.54	133.167	5785.54	6307.54	39.461
6084	6088.25	133.167	5827.25	6349.25	-4.248
5963	6078.11	133.167	5817.10	6339.11	-115.105
5975	5935.95	133.167	5674.95	6196.95	39.048
5966	5975.73	133.167	5714.73	6236.73	-9.730
6025	5959.00	133.167	5698.00	6220.00	65.997
5816	6031.78	133.167	5770.78	6292.78	-215.783

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
5819	5770.75	133.167	5509.75	6031.75	48.247
5844	5820.53	133.167	5559.53	6081.53	23.467
5879	5843.26	133.167	5582.25	6104.26	35.745
5850	5880.44	133.167	5619.44	6141.44	-30.438
5664	5839.16	133.167	5578.16	6100.17	-175.164
5715	5625.46	133.167	5364.46	5886.47	89.535
5826	5724.60	133.167	5463.60	5985.60	101.403
5862	5840.24	133.167	5579.24	6101.25	21.755
5963	5861.58	133.167	5600.57	6122.58	101.424
5986	5976.74	133.167	5715.74	6237.74	9.257
6061	5983.21	133.167	5722.21	6244.21	77.788
6192	6070.20	133.167	5809.20	6331.20	121.798
6269	6210.04	133.167	5949.04	6471.04	58.959
6310	6275.73	133.167	6014.73	6536.73	34.271
6286	6311.54	133.167	6050.54	6572.54	-25.539
6268	6276.09	133.167	6015.08	6537.09	-8.086
6310	6260.77	133.167	5999.77	6521.78	49.226
6402	6313.63	133.167	6052.63	6574.63	88.367
6481	6413.50	133.167	6152.50	6674.51	67.495
6408	6489.00	133.167	6227.99	6750.00	-80.996
6454	6388.03	133.167	6127.03	6649.04	65.966
6506	6460.12	133.167	6199.12	6721.12	45.877
6598	6509.68	133.167	6248.68	6770.68	88.320
6600	6609.50	133.167	6348.50	6870.50	-9.498
6595	6593.59	133.167	6332.59	6854.59	1.411
6548	6589.73	133.167	6328.73	6850.73	-41.728
6622	6534.71	133.167	6273.71	6795.71	87.287
6689	6632.45	133.167	6371.45	6893.45	56.550
6707	6694.90	133.167	6433.89	6955.90	12.105
6465	6704.35	133.167	6443.35	6965.35	-239.349
6454	6414.87	133.167	6153.87	6675.87	39.132
6405	6453.58	133.167	6192.58	6714.58	-48.581
6292	6390.68	133.167	6129.67	6651.68	-98.675
5882	6267.60	133.167	6006.60	6528.60	-385.601
5769	5803.41	133.167	5542.40	6064.41	-34.405
5703	5753.39	133.167	5492.38	6014.39	-50.386
5605	5687.57	133.167	5426.57	5948.57	-82.572
5507	5583.56	133.167	5322.56	5844.56	-76.559
5092	5486.38	133.167	5225.38	5747.38	-394.381
5019	5011.95	133.167	4750.95	5272.95	7.047
4957	5011.07	133.167	4750.07	5272.07	-54.070
4903	4941.27	133.167	4680.27	5202.27	-38.270
4881	4889.83	133.167	4628.83	5150.83	-8.833
4628	4873.47	133.167	4612.47	5134.47	-245.470
4638	4576.48	133.167	4315.47	4837.48	61.524

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
4728	4641.70	133.167	4380.70	4902.70	86.299
4717	4739.12	133.167	4478.12	5000.12	-22.121
4621	4708.21	133.167	4447.21	4969.21	-87.208
4241	4599.03	133.167	4338.02	4860.03	-358.026
4161	4167.69	133.167	3906.69	4428.69	-6.687
4096	4150.84	133.167	3889.84	4411.84	-54.839
4036	4080.01	133.167	3819.01	4341.01	-44.013
3923	4021.75	133.167	3760.74	4282.75	-98.745
3483	3898.59	133.167	3637.59	4159.59	-415.591
3403	3398.79	133.167	3137.79	3659.79	4.207
3359	3394.33	133.167	3133.33	3655.33	-35.328
3290	3346.74	133.167	3085.74	3607.74	-56.739
3181	3273.55	133.167	3012.55	3534.55	-92.552
2878	3157.64	133.167	2896.64	3418.64	-279.640
2834	2819.28	133.167	2558.28	3080.29	14.716
2799	2828.58	133.167	2567.58	3089.58	-29.580
2752	2787.98	133.167	2526.98	3048.98	-35.979
2703	2739.50	133.167	2478.50	3000.50	-36.499
2532	2690.33	133.167	2429.33	2951.33	-158.327
2536	2496.52	133.167	2235.52	2757.52	39.477
2528	2536.38	133.167	2275.38	2797.39	-8.385
2520	2521.24	133.167	2260.24	2782.24	-1.237
2423	2514.21	133.167	2253.21	2775.22	-91.214
2413	2400.43	133.167	2139.43	2661.43	12.572
2413	2409.00	133.167	2148.00	2670.00	3.999
2411	2408.33	133.167	2147.33	2669.34	2.667
2391	2406.05	133.167	2145.05	2667.05	-15.051
2297	2382.72	133.167	2121.72	2643.72	-85.721
2287	2275.33	133.167	2014.33	2536.33	11.670
2272	2282.88	133.167	2021.88	2543.88	-10.878
2238	2264.54	133.167	2003.54	2525.55	-26.544
2218	2227.44	133.167	1966.44	2488.45	-9.444
2137	2210.49	133.167	1949.49	2471.49	-73.487
2125	2117.66	133.167	1856.66	2378.66	7.342
2116	2120.19	133.167	1859.18	2381.19	-4.186
2113	2109.76	133.167	1848.76	2370.76	3.239
2116	2108.08	133.167	1847.08	2369.08	7.922
2117	2112.02	133.167	1851.02	2373.02	4.979
2111	2112.52	133.167	1851.52	2373.52	-1.518
2109	2105.28	133.167	1844.28	2366.28	3.723
2119	2104.19	133.167	1843.19	2365.20	14.805
2124	2116.31	133.167	1855.31	2377.32	7.685
2136	2120.09	133.167	1859.09	2381.09	15.911
2139	2133.57	133.167	1872.57	2394.57	5.433
2145	2134.68	133.167	1873.68	2395.68	10.319

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
2159	2141.50	133.167	1880.50	2402.50	17.500
2159	2156.88	133.167	1895.88	2417.89	2.115
2188	2154.08	133.167	1893.07	2415.08	33.924
2193	2188.89	133.167	1927.88	2449.89	4.114
2191	2188.60	133.167	1927.60	2449.60	2.399
2208	2186.01	133.167	1925.01	2447.02	21.986
2223	2206.65	133.167	1945.65	2467.65	16.351
2234	2220.78	133.167	1959.78	2481.78	13.222
2237	2231.15	133.167	1970.15	2492.15	5.851
2243	2232.74	133.167	1971.74	2493.74	10.262
2251	2239.49	133.167	1978.49	2500.49	11.508
2265	2247.76	133.167	1986.76	2508.76	17.237
2267	2262.85	133.167	2001.85	2523.85	4.151
2283	2262.46	133.167	2001.45	2523.46	20.545
2282	2281.40	133.167	2020.40	2542.40	0.598
2286	2276.82	133.167	2015.82	2537.82	9.182
2291	2282.24	133.167	2021.24	2543.25	8.756
2288	2287.24	133.167	2026.23	2548.24	0.764
2305	2282.74	133.167	2021.74	2543.74	22.260
2308	2303.69	133.167	2042.69	2564.69	4.313
2305	2303.53	133.167	2042.53	2564.53	1.472
2300	2299.84	133.167	2038.84	2560.84	0.163
2294	2294.56	133.167	2033.56	2555.56	-0.557
2301	2288.41	133.167	2027.41	2549.41	12.592
2307	2297.86	133.167	2036.86	2558.86	9.139
2304	2303.34	133.167	2042.34	2564.34	0.661
2309	2298.73	133.167	2037.72	2559.73	10.274
2306	2305.44	133.167	2044.44	2566.44	0.557
2335	2300.71	133.167	2039.71	2561.71	34.288
2331	2335.94	133.167	2074.93	2596.94	-4.936
2339	2324.91	133.167	2063.91	2585.91	14.090
2335	2336.12	133.167	2075.11	2597.12	-1.116
2361	2329.43	133.167	2068.43	2590.43	31.567
2385	2361.41	133.167	2100.41	2622.41	23.587
2392	2384.22	133.167	2123.22	2645.22	7.779
2394	2388.20	133.167	2127.20	2649.20	5.797
2394	2389.68	133.167	2128.68	2650.68	4.320
2410	2389.38	133.167	2128.38	2650.38	20.623
2437	2408.41	133.167	2147.41	2669.41	28.587
2457	2437.06	133.167	2176.05	2698.06	19.944
2467	2455.52	133.167	2194.52	2716.52	11.479
2473	2463.86	133.167	2202.86	2724.86	9.140
2504	2469.34	133.167	2208.34	2730.34	34.661
2499	2505.09	133.167	2244.09	2766.09	-6.088
2506	2492.70	133.167	2231.70	2753.70	13.297

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
2528	2502.96	133.167	2241.96	2763.96	25.043
2518	2527.32	133.167	2266.32	2788.32	-9.319
2519	2511.01	133.167	2250.01	2772.01	7.991
2516	2514.93	133.167	2253.93	2775.93	1.070
2503	2510.78	133.167	2249.78	2771.78	-7.782
2507	2496.07	133.167	2235.07	2757.07	10.932
2516	2503.48	133.167	2242.48	2764.48	12.517
2511	2512.95	133.167	2251.95	2773.95	-1.952
2523	2505.27	133.167	2244.27	2766.27	17.732
2501	2520.82	133.167	2259.81	2781.82	-19.816
2508	2491.97	133.167	2230.97	2752.97	16.031
2495	2505.33	133.167	2244.33	2766.33	-10.331
2489	2487.72	133.167	2226.72	2748.72	1.281
2470	2483.66	133.167	2222.66	2744.66	-13.659
2447	2461.96	133.167	2200.96	2722.96	-14.962
2413	2438.58	133.167	2177.58	2699.58	-25.582
2407	2402.58	133.167	2141.57	2663.58	4.424
2391	2402.09	133.167	2141.09	2663.09	-11.089
2373	2383.46	133.167	2122.46	2644.47	-10.464
2332	2365.45	133.167	2104.45	2626.45	-33.449
2317	2320.15	133.167	2059.15	2581.15	-3.147
2306	2310.60	133.167	2049.60	2571.60	-4.600
2281	2299.60	133.167	2038.60	2560.60	-18.603
2252	2271.98	133.167	2010.98	2532.98	-19.983
2204	2242.59	133.167	1981.59	2503.59	-38.593
2181	2191.09	133.167	1930.09	2452.09	-10.091
2171	2173.25	133.167	1912.25	2434.25	-2.248
2164	2164.98	133.167	1903.97	2425.98	-0.975
2153	2158.30	133.167	1897.30	2419.30	-5.301
2121	2146.51	133.167	1885.51	2407.51	-25.508
2117	2110.69	133.167	1849.69	2371.69	6.313
2111	2112.45	133.167	1851.45	2373.45	-1.448
2096	2105.29	133.167	1844.28	2366.29	-9.286
2088	2088.76	133.167	1827.76	2349.76	-0.761
2080	2082.28	133.167	1821.28	2343.28	-2.279
2072	2074.07	133.167	1813.07	2335.07	-2.072
2063	2066.10	133.167	1805.10	2327.10	-3.100
2058	2056.91	133.167	1795.91	2317.91	1.091
2049	2052.68	133.167	1791.68	2313.69	-3.684
2040	2042.83	133.167	1781.83	2303.83	-2.830
2042	2033.95	133.167	1772.94	2294.95	8.054
2036	2037.99	133.167	1776.99	2298.99	-1.989
2031	2030.21	133.167	1769.21	2291.21	0.787
2006	2025.64	133.167	1764.64	2286.64	-19.642
1999	1996.84	133.167	1735.84	2257.84	2.159

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
1999	1993.73	133.167	1732.73	2254.73	5.271
1997	1994.51	133.167	1733.51	2255.51	2.493
1994	1992.03	133.167	1731.03	2253.03	1.973
1991	1988.91	133.167	1727.90	2249.91	2.095
1985	1985.92	133.167	1724.92	2246.92	-0.922
1980	1979.36	133.167	1718.36	2240.36	0.642
1983	1974.62	133.167	1713.62	2235.62	8.378
1972	1979.08	133.167	1718.08	2240.08	-7.083
1981	1965.26	133.167	1704.26	2226.27	15.736
1980	1978.39	133.167	1717.39	2239.39	1.608
1989	1974.96	133.167	1713.95	2235.96	14.044
1988	1986.16	133.167	1725.16	2247.16	1.840
1984	1982.99	133.167	1721.99	2243.99	1.012
2010	1978.72	133.167	1717.72	2239.73	31.276
2020	2010.37	133.167	1749.37	2271.37	9.627
2019	2016.61	133.167	1755.61	2277.61	2.393
2015	2014.06	133.167	1753.06	2275.07	0.936
2026	2009.71	133.167	1748.71	2270.71	16.287
2025	2023.57	133.167	1762.57	2284.57	1.432
2023	2019.93	133.167	1758.93	2280.93	3.068
2025	2018.11	133.167	1757.10	2279.11	6.895
2047	2020.83	133.167	1759.83	2281.83	26.170
2083	2046.47	133.167	1785.47	2307.47	36.527
2086	2084.59	133.167	1823.59	2345.60	1.405
2095	2081.13	133.167	1820.13	2342.13	13.870
2096	2092.14	133.167	1831.13	2353.14	3.863
2096	2091.37	133.167	1830.36	2352.37	4.635
2134	2091.42	133.167	1830.42	2352.42	42.580
2141	2136.52	133.167	1875.52	2397.52	4.477
2145	2136.75	133.167	1875.75	2397.75	8.248
2138	2141.12	133.167	1880.11	2402.12	-3.116
2132	2132.01	133.167	1871.01	2393.01	-0.008
2146	2126.48	133.167	1865.48	2387.48	19.517
2148	2144.16	133.167	1883.16	2405.16	3.839
2159	2143.41	133.167	1882.41	2404.41	15.587
2163	2156.47	133.167	1895.47	2417.47	6.528
2164	2158.88	133.167	1897.88	2419.88	5.119
2180	2159.54	133.167	1898.54	2420.54	20.463
2187	2178.39	133.167	1917.39	2439.39	8.609
2189	2183.32	133.167	1922.32	2444.32	5.683
2192	2184.66	133.167	1923.66	2445.67	7.335
2192	2187.94	133.167	1926.94	2448.94	4.059
2223	2187.34	133.167	1926.34	2448.34	35.658
2235	2224.22	133.167	1963.22	2485.23	10.776
2225	2231.86	133.167	1970.86	2492.87	-6.865

30-Day Forecast Output

Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
2233	2218.34	133.167	1957.34	2479.35	14.656
2237	2230.19	133.167	1969.19	2491.20	6.806
2243	2232.92	133.167	1971.92	2493.92	10.081
2251	2239.47	133.167	1978.47	2500.47	11.533
2261	2247.77	133.167	1986.77	2508.77	13.233
2266	2258.10	133.167	1997.10	2519.10	7.900
2276	2262.12	133.167	2001.12	2523.12	13.881
2282	2273.19	133.167	2012.19	2534.19	8.811
2286	2278.29	133.167	2017.29	2539.30	7.706
2280	2282.04	133.167	2021.04	2543.04	-2.042
2287	2274.21	133.167	2013.20	2535.21	12.795
2277	2283.89	133.167	2022.89	2544.89	-6.889
2269	2270.34	133.167	2009.34	2531.34	-1.341
2270	2263.20	133.167	2002.20	2524.20	6.800
2272	2265.77	133.167	2004.77	2526.77	6.233
2264	2267.74	133.167	2006.74	2528.74	-3.740
2294	2257.87	133.167	1996.87	2518.87	36.128
2294	2295.24	133.167	2034.24	2556.24	-1.238
2302	2288.62	133.167	2027.62	2549.62	13.382
2317	2299.02	133.167	2038.02	2560.02	17.980
2340	2315.00	133.167	2054.00	2576.00	24.999
2343	2339.36	133.167	2078.36	2600.37	3.636
2345	2338.44	133.167	2077.43	2599.44	6.565
2340	2340.79	133.167	2079.78	2601.79	-0.785
2340	2334.43	133.167	2073.43	2595.43	5.573
2375	2335.55	133.167	2074.55	2596.55	39.451
2371	2376.94	133.167	2115.94	2637.95	-5.944
2375	2364.77	133.167	2103.77	2625.77	10.227
2389	2371.39	133.167	2110.38	2632.39	17.613
2415	2386.90	133.167	2125.90	2647.90	28.100
2410	2414.94	133.167	2153.94	2675.94	-4.939
2407	2403.86	133.167	2142.86	2664.86	3.140
2419	2402.06	133.167	2141.06	2663.07	16.935
2418	2416.71	133.167	2155.71	2677.71	1.293
2429	2412.91	133.167	2151.91	2673.91	16.087
2440	2426.54	133.167	2165.54	2687.54	13.460
2443	2437.18	133.167	2176.18	2698.18	5.819
2439	2438.73	133.167	2177.73	2699.74	0.267
2437	2433.62	133.167	2172.62	2694.62	3.378
2462	2432.15	133.167	2171.15	2693.15	29.852
2470	2462.13	133.167	2201.13	2723.13	7.872
2468	2466.27	133.167	2205.26	2727.27	1.734
2481	2462.92	133.167	2201.92	2723.92	18.077
2472	2478.91	133.167	2217.91	2739.91	-6.913
2484	2465.39	133.167	2204.39	2726.39	18.612

30-Day Forecast Output

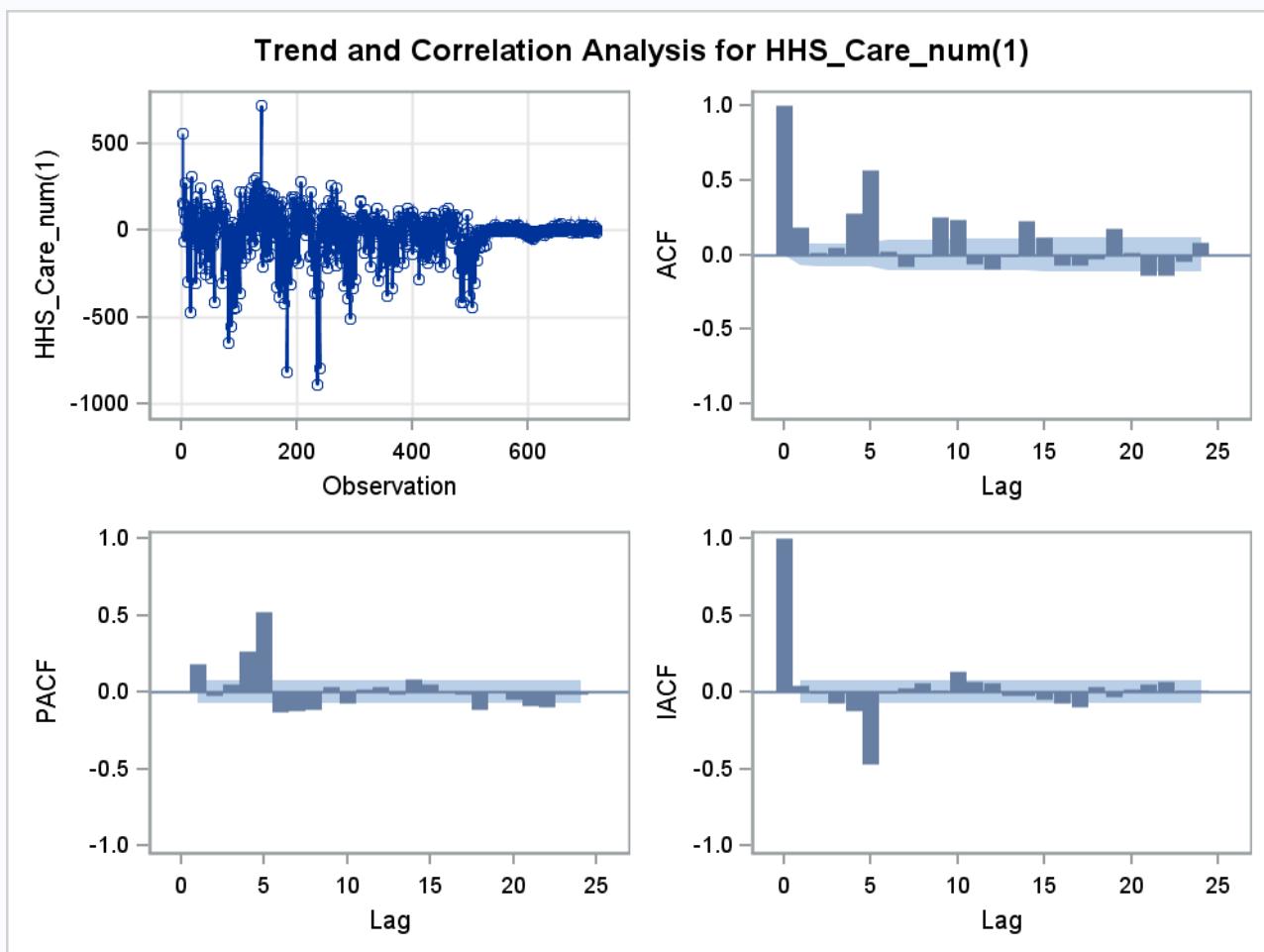
Actual Care Load	Forecasted Load	Standard Error	Lower 95% CI	Upper 95% CI	Residual
.	2481.94	133.167	2220.93	2742.94	.
.	2476.62	206.697	2071.50	2881.74	.
.	2471.14	260.985	1959.62	2982.66	.
.	2465.65	305.815	1866.26	3065.03	.
.	2460.16	344.867	1784.23	3136.08	.
.	2454.67	379.926	1710.03	3199.31	.
.	2449.18	412.012	1641.65	3256.71	.
.	2443.69	441.775	1577.83	3309.55	.
.	2438.20	469.655	1517.69	3358.70	.
.	2432.71	495.970	1460.63	3404.79	.
.	2427.22	520.957	1406.16	3448.28	.
.	2421.73	544.800	1353.94	3489.52	.
.	2416.24	567.642	1303.68	3528.80	.
.	2410.75	589.600	1255.15	3566.34	.
.	2405.26	610.769	1208.17	3602.34	.
.	2399.77	631.228	1162.58	3636.95	.
.	2394.28	651.045	1118.25	3670.30	.
.	2388.79	670.276	1075.07	3702.51	.
.	2383.30	688.971	1032.94	3733.66	.
.	2377.81	707.171	991.78	3763.84	.
.	2372.32	724.915	951.51	3793.13	.
.	2366.83	742.235	912.08	3821.58	.
.	2361.34	759.160	873.41	3849.26	.
.	2355.85	775.715	835.48	3876.22	.
.	2350.36	791.924	798.22	3902.50	.
.	2344.87	807.809	761.59	3928.15	.
.	2339.38	823.387	725.57	3953.19	.
.	2333.89	838.675	690.12	3977.66	.
.	2328.40	853.690	655.20	4001.60	.
.	2322.91	868.445	620.79	4025.03	.

ARIMA Model Diagnostics

The ARIMA Procedure

Name of Variable = HHS_Care_num	
Period(s) of Differencing	1
Mean of Working Series	-5.67733
Standard Deviation	135.2004
Number of Observations	719
Observation(s) eliminated by differencing	1

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	313.28	6	<.0001	0.182	0.011	0.044	0.275	0.566	0.026
12	413.45	12	<.0001	-0.081	-0.012	0.248	0.237	-0.064	-0.093
18	470.02	18	<.0001	-0.013	0.230	0.115	-0.070	-0.067	-0.030
24	529.09	24	<.0001	0.179	0.015	-0.137	-0.142	-0.045	0.080



Conditional Least Squares Estimation					
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag
MU	-5.48994	5.94328	-0.92	0.3559	0
MA1,1	-0.13670	0.20031	-0.68	0.4952	1
AR1,1	0.05042	0.20192	0.25	0.8029	1

ARIMA Model Diagnostics

The ARIMA Procedure

Constant Estimate	-5.21314
Variance Estimate	17733.32
Std Error Estimate	133.1665
AIC	9077.549
SBC	9091.282
Number of Residuals	719

* AIC and SBC do not include log determinant.

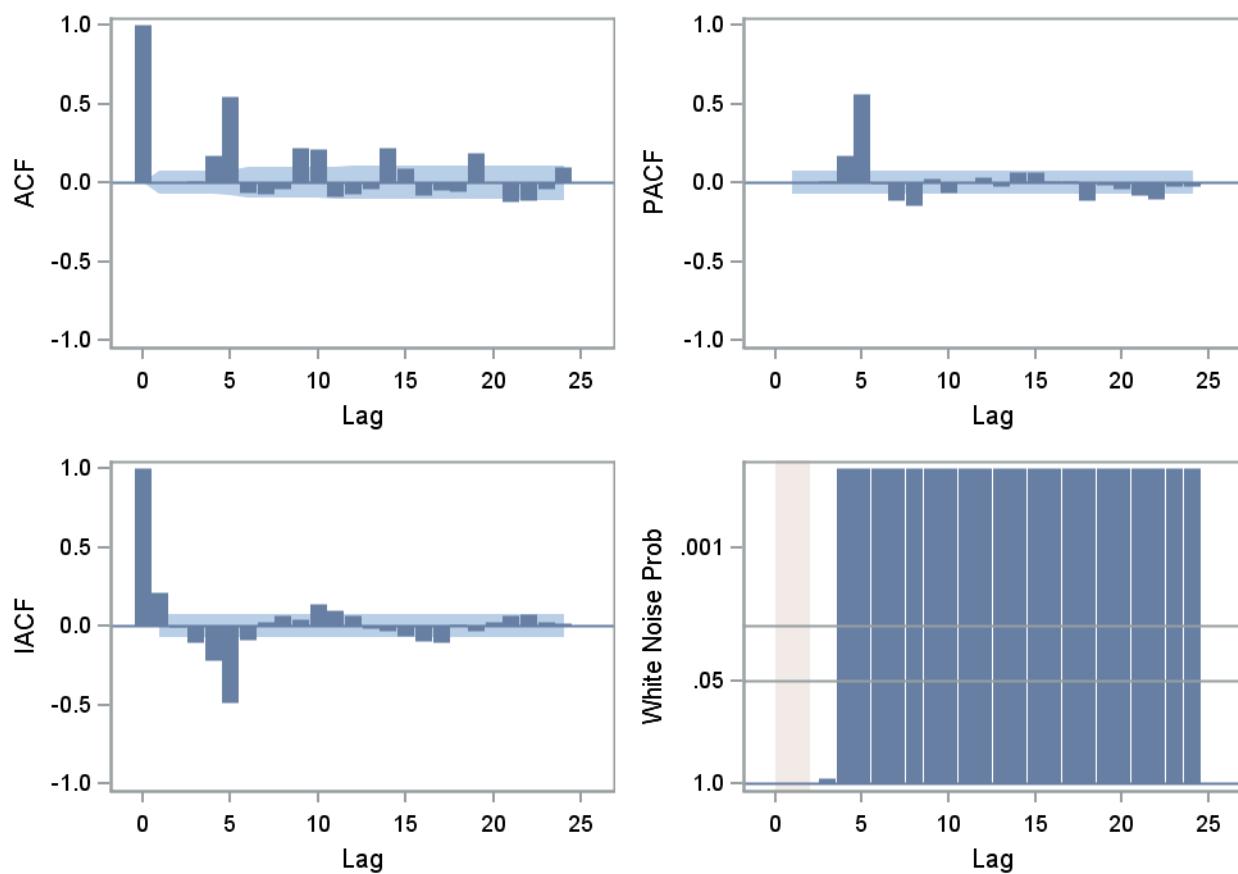
Correlations of Parameter Estimates			
Parameter	MU	MA1,1	AR1,1
MU	1.000	0.001	0.001
MA1,1	0.001	1.000	0.983
AR1,1	0.001	0.983	1.000

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	241.24	4	<.0001	0.000	-0.001	0.007	0.175	0.546	-0.062
12	324.41	10	<.0001	-0.070	-0.041	0.218	0.215	-0.091	-0.074
18	376.55	16	<.0001	-0.040	0.223	0.090	-0.080	-0.045	-0.056
24	431.21	22	<.0001	0.190	0.004	-0.118	-0.114	-0.040	0.094
30	467.74	28	<.0001	-0.026	-0.147	-0.131	0.050	0.002	-0.082
36	493.19	34	<.0001	-0.115	-0.062	0.059	-0.011	-0.091	-0.069
42	500.51	40	<.0001	-0.000	0.000	-0.044	-0.080	-0.012	-0.034
48	505.21	46	<.0001	-0.012	-0.030	-0.068	-0.006	-0.006	-0.019

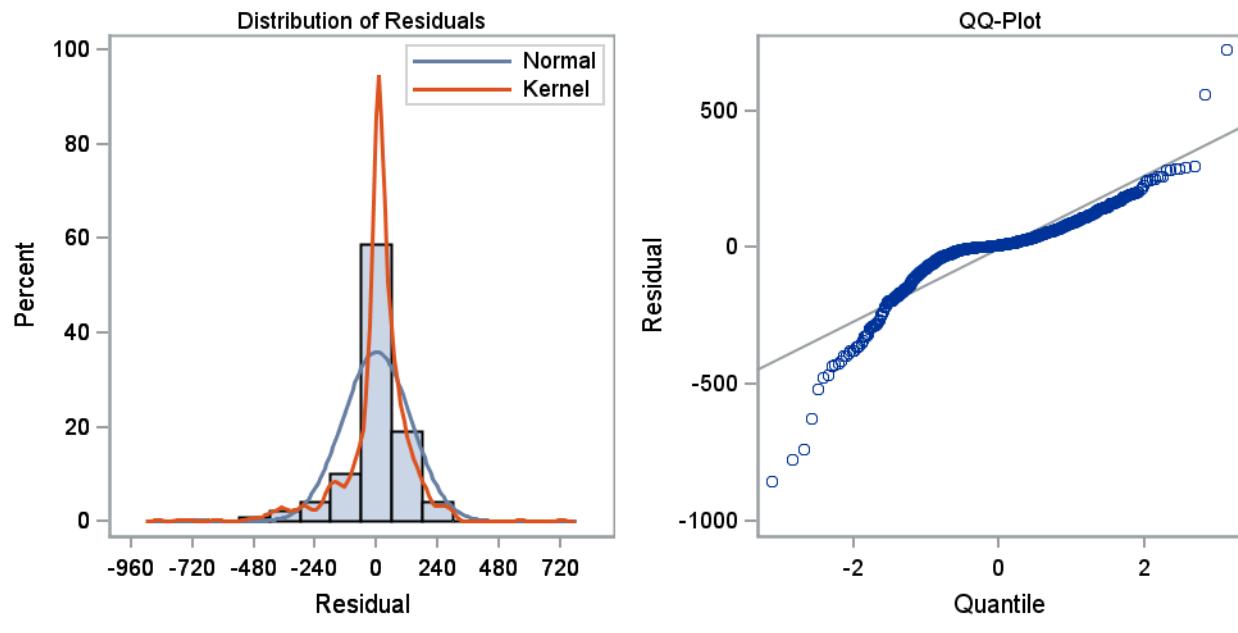
ARIMA Model Diagnostics

The ARIMA Procedure

Residual Correlation Diagnostics for HHS_Care_num(1)



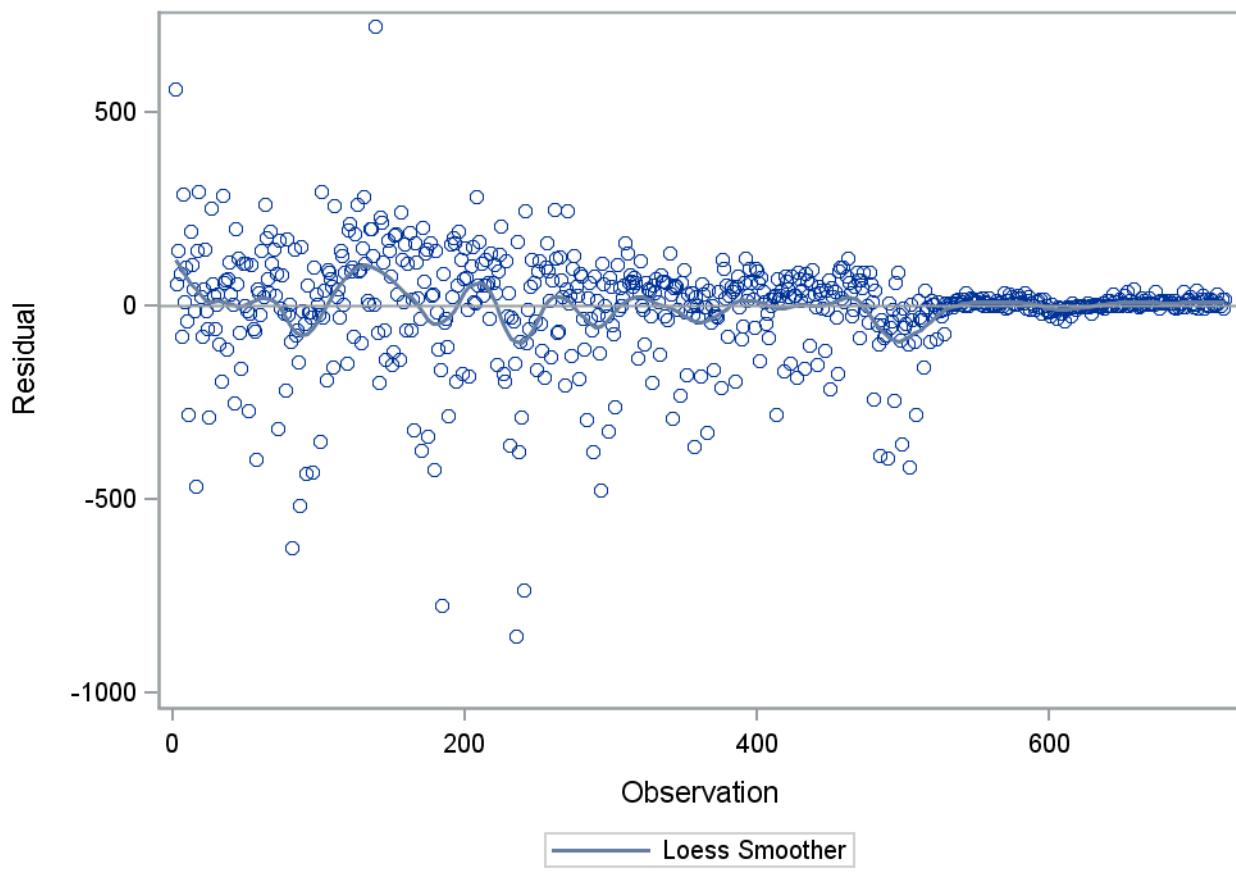
Residual Normality Diagnostics for HHS_Care_num(1)



ARIMA Model Diagnostics

The ARIMA Procedure

Residuals for HHS_Care_num(1)



Model for variable HHS_Care_num	
Estimated Mean	-5.48994
Period(s) of Differencing	1
Autoregressive Factors	
Factor 1:	$1 - 0.05042 B^{**}(1)$
Moving Average Factors	
Factor 1:	$1 + 0.1367 B^{**}(1)$

Conclusion

The predictive model indicates stabilization in HHS care demand over the short-term horizon.

Forecast outputs support proactive planning for shelter capacity, workforce allocation, and discharge coordination.

Future model expansion may incorporate machine learning forecasting and placement demand prediction.