John Ward Economics

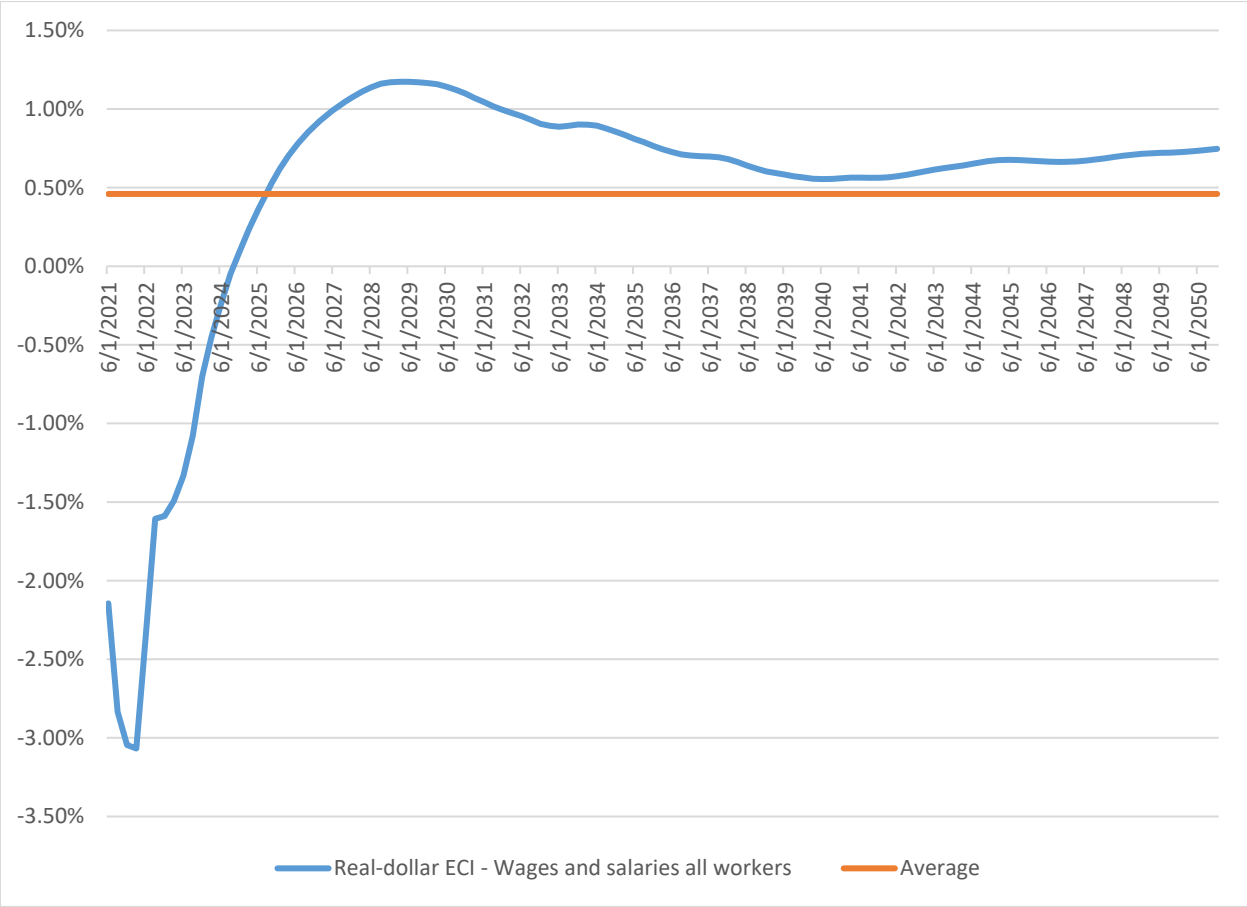


Incremental Growth Analysis: Feb-2022

Cyclical Macro-Economic Forecasts

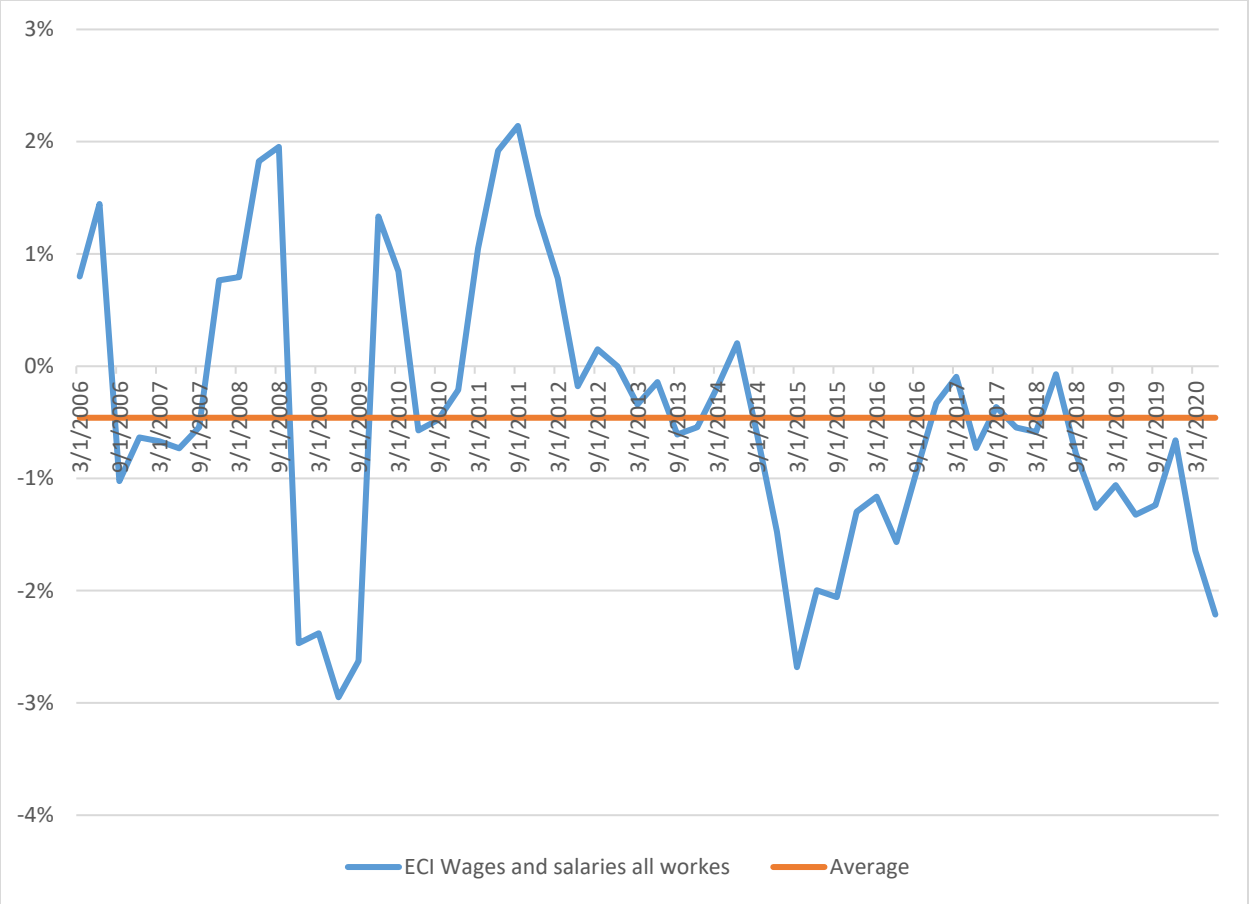
To build growth forecasts of labor earnings and service and commodity costs, John Ward Economics relies on the macroeconomic forecasting model of Moody's Analytics. The Moody's Analytics U.S. macro model is a large-scale, simultaneous-equilibrium model that allows for interrelationships among all of the sectors of the U.S. economy. A description of the forecast model which produces the forecasts used can be found at Moody's Analytics' Internet site.[1]

Economists' forecasting methods consider both short-term on long-term expectations. Recent trends in economic time series provide short-term expectations and structural linkages within the economy govern long-term expectations. The best economic forecast considers both short and long-term expectations. For example, consider the Moody's forecast of the real-dollar Employment Cost Index (ECI) for the total wages and salaries paid by employers to all workers:



On an annual basis, the Moody's forecasting model predicts negative wage growth through 2024 followed by a cyclical upturn and then steady deceleration to a long term growth level,

[1] http://www.economy.com/home/products/samples/macromodel.pdf



Incremental Growth Analysis

Moody's provides forecasts for the ECI wage and salary, benefits, and total compensation for all workers, manufacturing, goods-producing industries, service-producing industries, and state and local governments. In addition, they provide numerous forecasts of the Consumer Price Index detailed series. For economic variables that a macro-economic forecast is not published, we perform a past incremental analysis between those variables and variables for which forecast values are published.

The title of the table gives (1) the name of the economic variable for which a forecast value is not published, and (2) the name of a related economic variable which has a published Moody's forecast.

The **LABSTAT series identifiers** refer to the Bureau of Labor Statistics data series identifiers. The data for the economic variables can be extracted from the LABSTAT database at the Internet location http://data.bls.gov/cgi-bin/srgate.

The **historical data period** gives the range of dates considered for the incremental growth analysis.

Assume that the wages/prices of the unpublished forecast variable at time t is be represented by W_t° and that corresponding published forecast variable has a value at time t is represented as $W_t^{\blacksquare}$. We define the period-to-period ratio in the wages/prices in the unpublished forecast series ° to that of the published forecasted series as

(1) $R_t^{\circ} = \frac{W_t^{\circ}}{W_t^{\blacksquare}}$

and the period growth differential in R°as

(2) $G_t^{\circ} = \frac{R_t^{\circ} - R_{t-1}^{\circ}}{R_{t-1}^{\circ}}$.

If the growth differential series G° is stationary there is a constant mechanism separating the wage/price growth in the unpublished forecast variable ° from that of the published forecasted variable. A covariance stationary series has a time invariant mean and variance such that the series fluctuates around a constant long-term mean. The unbiased forecast of a stationary series is its long-term mean.

An accepted test for determining the stationarity of a growth series is the Phillips-Perron test. The Phillips-Perron test is an augmented Dickey-Fuller test that recognizes autocorrelation and heteroscedasticity in the disturbance. The Phillips-Perron test for a single mean, μ, in G° is determined from the autoregressive model

(3) $G_t^{\circ} = \mu + \rho G_{t-1}^{\circ} + u_t$

where ρ is the coefficient on the lagged growth differential value, and u_t is the disturbance. Since first order autocorrelation is expected in G°, to get an unbiased estimate of the single mean growth μ, the disturbance adds a first order autocorrelation parameter to that where u_t is specified as

(4) $u_t = \varepsilon_t - \varphi_1 u_{t-1}$ and $\varepsilon_t N(0, \sigma^2)$.

The autoregressive model is estimated using the Yule-Walker method which first estimates the mean growth μ with generalized least squares, then φ_1 with ordinary least squares, and then using φ_1 the mean μ is re-estimated with generalized least squares. The generalized least squares approach corrects for the heteroscedasticity in the variance of the time series observations.

Output and Interpretation

The *Z* values are the Phillips-Perron single mean stationarity statistics as presented in the Phillips-Perron paper: Phillips, Peter CB, and Pierre Perron. "Testing for a unit root in time series regression." *Biometrika* 75.2 (1988): 335-346. While the value of the Z-statistics have no important meaning, if the Prob(Z) is less than 0.05, we reject the null hypothesis that the growth series contains a unit root (i.e., it is non-stationary).

The value for the intercept *mu* is shown under the Yule-Walker parameter estimate section. Since the intercept is an estimated of incremental quarterly growth, it is compounded by four to an annual incremental growth rate. If the probability of the *t*-statistic is less than .05, we reject that the incremental growth rate is zero.

The AR(1) coefficient is the estimated measure of the period-to-period dependency in the estimated model residuals. With AR(1) correction, we attempt to remove that dependency. If the Durbin–Watson statistic is substantially less than 2, there is evidence of positive serial correlation and if substantially greater than 2 then successive error terms are negatively correlated. If the Durbin-Watson statistic is approximately equal to 2, then we can be confident that the model removed serial correlation.

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0106	AR(1) coefficient	0.2206
Standard error	0.0184	Standard error	0.1292
t-statistic	0.5778	t-statistic	1.7073
Probability t	0.5657	Durbin-Watson	2.0397

Estimated incremental annual growth rate: 0.042%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

The value for the intercept *mu* (u_t) is shown under the Yule-Walker parameter estimate section. Since the intercept is an estimated of incremental quarterly growth, it is compounded by four to an annual incremental growth rate $[(1+mu)^4 - 1]$. If the probability of the *t*-statistic is less than .05, we reject that the incremental growth rate is zero.

The AR(1) coefficient (*psi* or ψ) is the estimated measure of the period-to-period dependency in the estimated model residuals. With AR(1) correction, we attempt to remove that dependency. If the Durbin–Watson statistic is substantially less than 2, there is evidence of positive serial correlation and if substantially greater than 2 then successive error terms are negatively correlated. If the Durbin-Watson statistic is approximately equal to 2, then we can be confident that the model removed serial correlation.

Table 1. ECI: COMP(PRIV) All union workers incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000000510I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-15.0145	Z_{Tau}	-2.8789
Prob Z_{Rho}	0.0297	Prob Z_{Tau}	0.0538

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0487	AR(1) coefficient	-0.7110
Standard error	0.0545	Standard error	0.0931
t-statistic	0.8929	t-statistic	-7.6333
Probability t	0.3757	Durbin-Watson	2.1246

Estimated incremental annual growth rate: 0.195%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

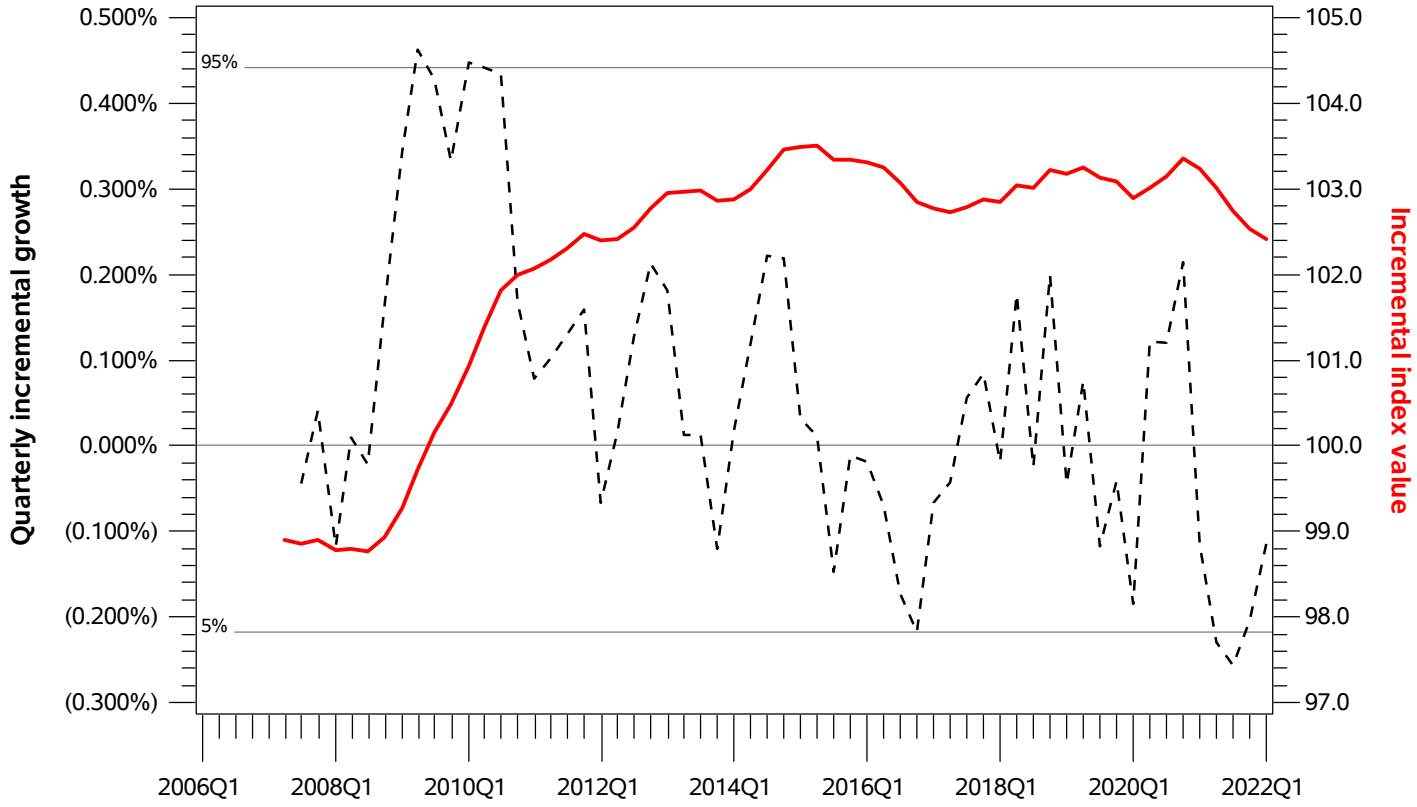


Table 2. ECI: COMP(PRIV) All nonunion workers incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000000520I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-30.0645	Z_{Tau}	-4.5533
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0099	AR(1) coefficient	-0.4386
Standard error	0.0073	Standard error	0.1190
t-statistic	-1.3616	t-statistic	-3.6846
Probability t	0.1787	Durbin-Watson	2.2019

Estimated incremental annual growth rate: (0.040%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

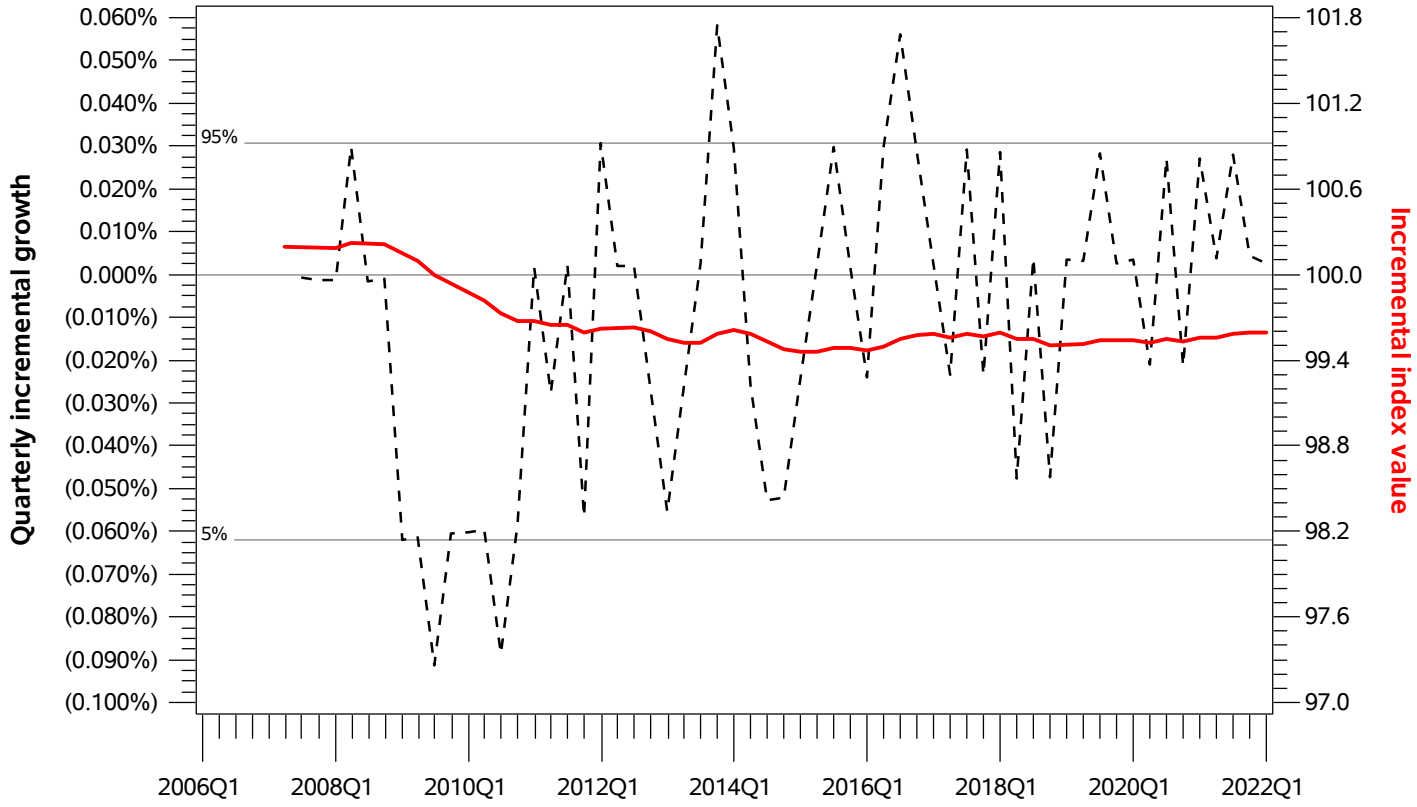


Table 3. ECI: COMP(PRIV) All workers, excluding incentive paid incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000000710I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.0455	Z_{Tau}	-3.9021
Prob Z_{Rho}	0.0014	Prob Z_{Tau}	0.0035

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0054	AR(1) coefficient	-0.5480
Standard error	0.0115	Standard error	0.1108
t-statistic	-0.4710	t-statistic	-4.9456
Probability t	0.6394	Durbin-Watson	1.9690

Estimated incremental annual growth rate: (0.022%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

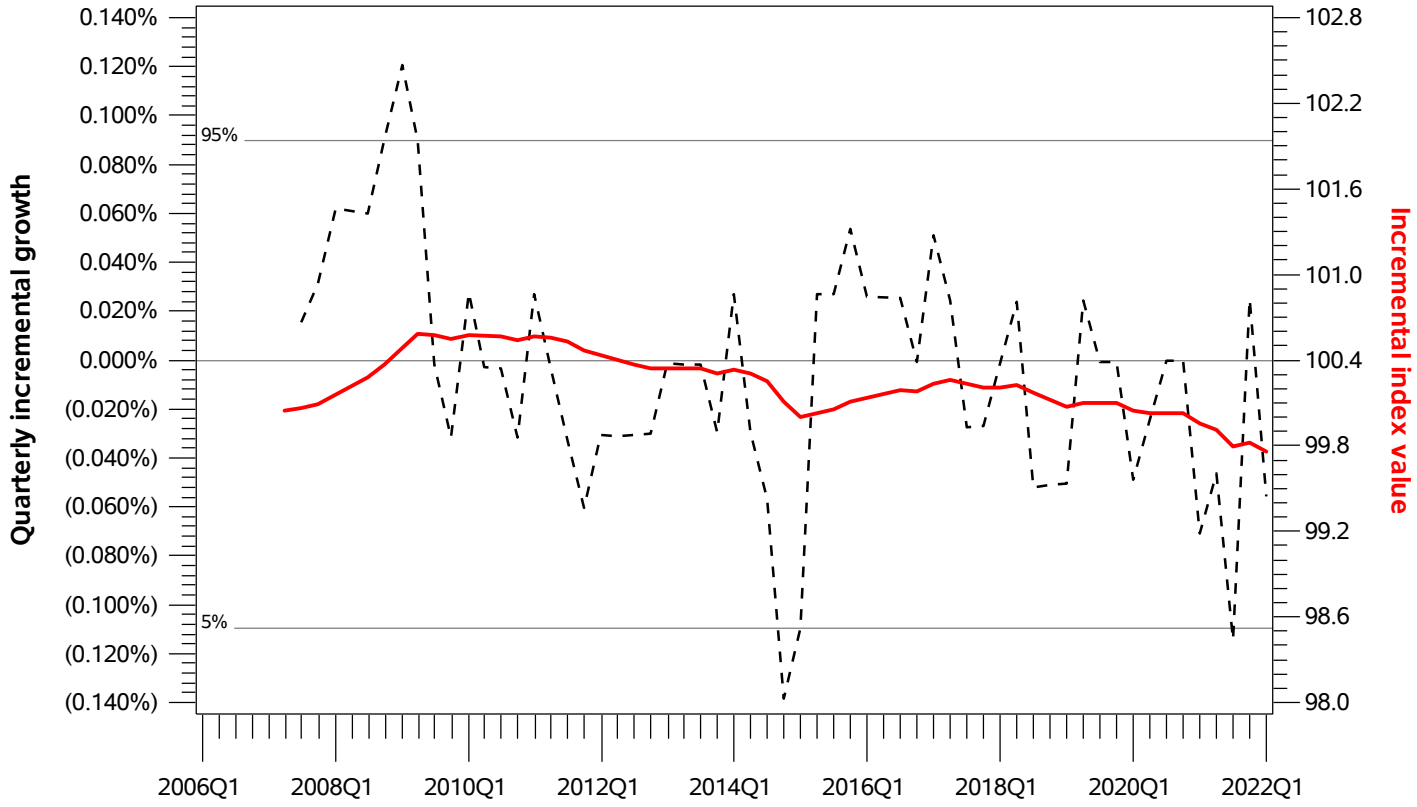


Table 4. ECI: COMP(PRIV) Management, professional, and related incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000100000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-17.3153	Z_{Tau}	-3.1579
Prob Z_{Rho}	0.0152	Prob Z_{Tau}	0.0276

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0452	AR(1) coefficient	-0.7008
Standard error	0.0254	Standard error	0.0945
t-statistic	-1.7810	t-statistic	-7.4171
Probability t	0.0802	Durbin-Watson	1.9640

Estimated incremental annual growth rate: (0.181%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.181%)

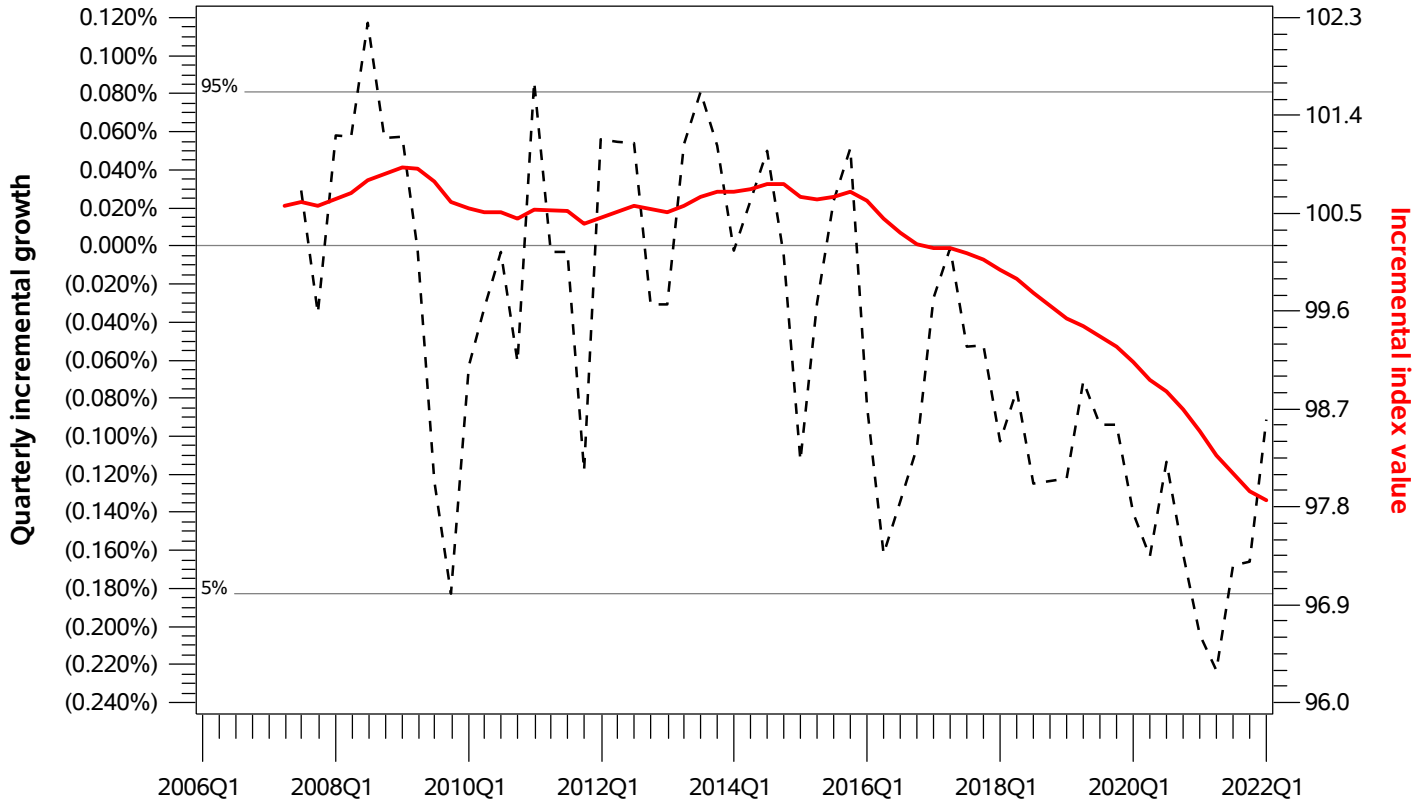


Table 5. ECI: COMP(PRIV) Management, professional, and related; excluding incentive paid incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000100710I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-14.0188	Z_{Tau}	-2.7808
Prob Z_{Rho}	0.0394	Prob Z_{Tau}	0.0671

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0594	AR(1) coefficient	-0.7469
Standard error	0.0310	Standard error	0.0881
t-statistic	-1.9142	t-statistic	-8.4793
Probability t	0.0606	Durbin-Watson	1.9084

Estimated incremental annual growth rate: (0.237%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.237%)

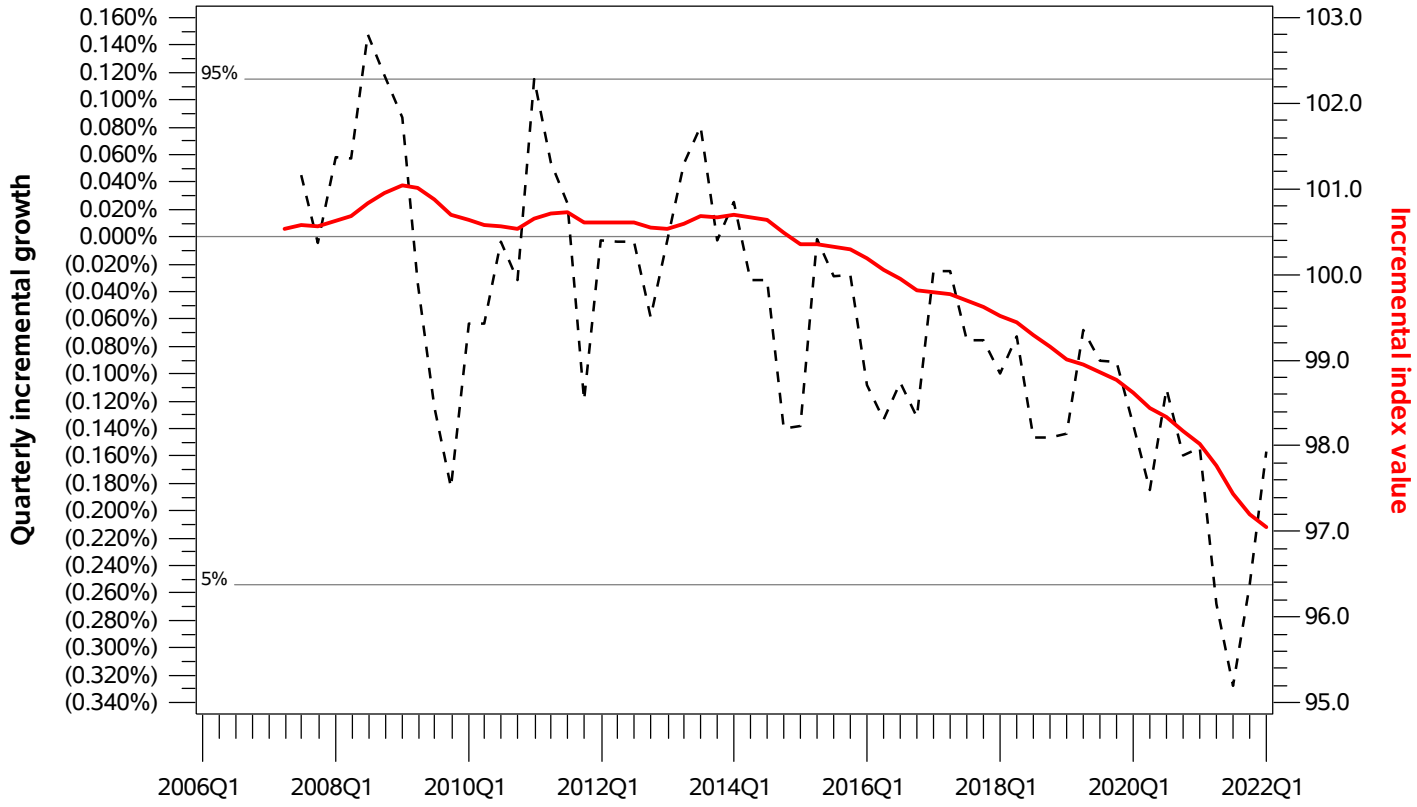


Table 6. ECI: COMP(PRIV) Management, business, and financial incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000110000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.9948	Z_{Tau}	-4.2773
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0011

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0226	AR(1) coefficient	-0.5306
Standard error	0.0300	Standard error	0.1123
t-statistic	-0.7531	t-statistic	-4.7259
Probability t	0.4545	Durbin-Watson	1.7208

Estimated incremental annual growth rate: (0.090%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

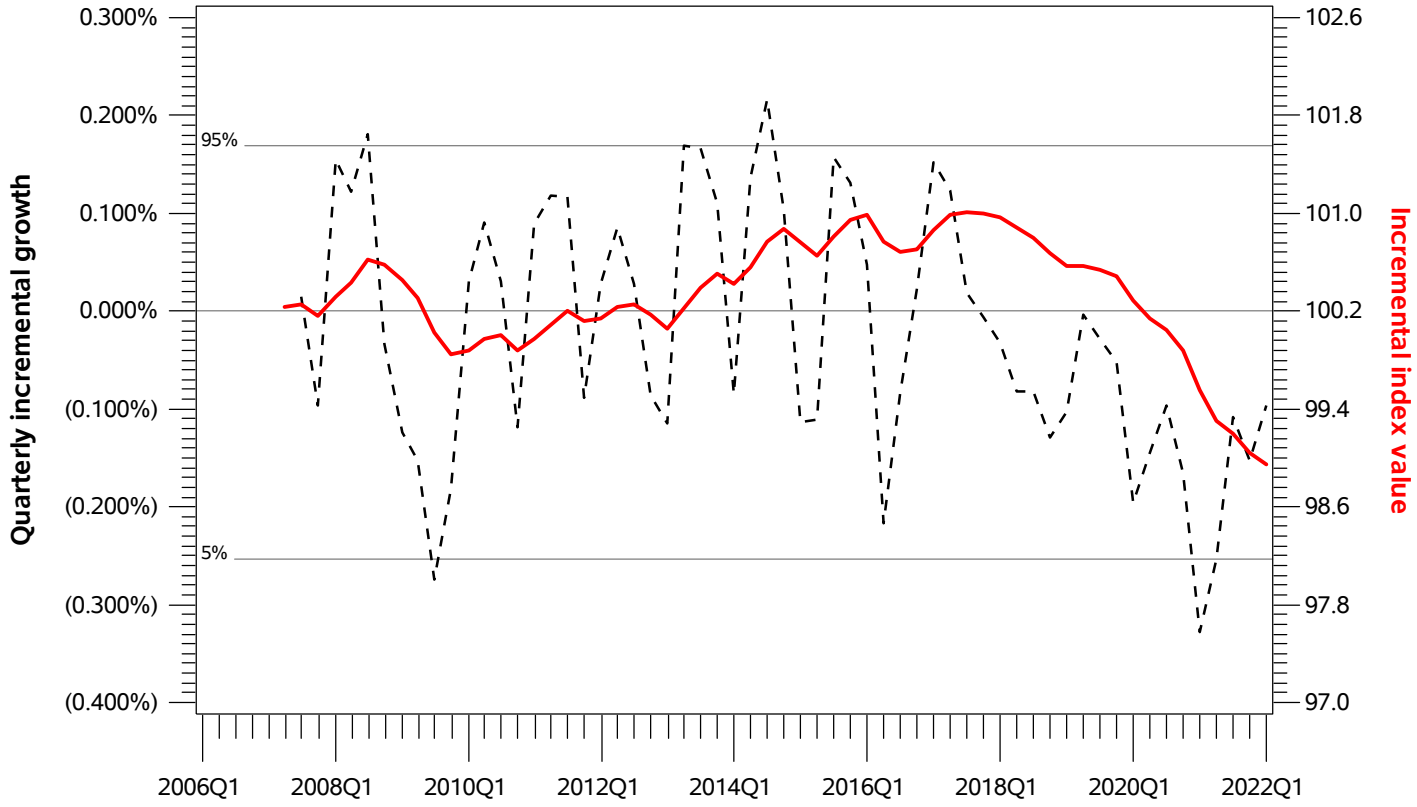


Table 7. ECI: COMP(PRIV) Management, business, and financial; excluding incentive paid incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000110710I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-16.6460	Z_{Tau}	-2.9580
Prob Z_{Rho}	0.0185	Prob Z_{Tau}	0.0448

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0487	AR(1) coefficient	-0.7199
Standard error	0.0420	Standard error	0.0919
t-statistic	-1.1611	t-statistic	-7.8305
Probability t	0.2505	Durbin-Watson	1.6778

Estimated incremental annual growth rate: (0.195%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

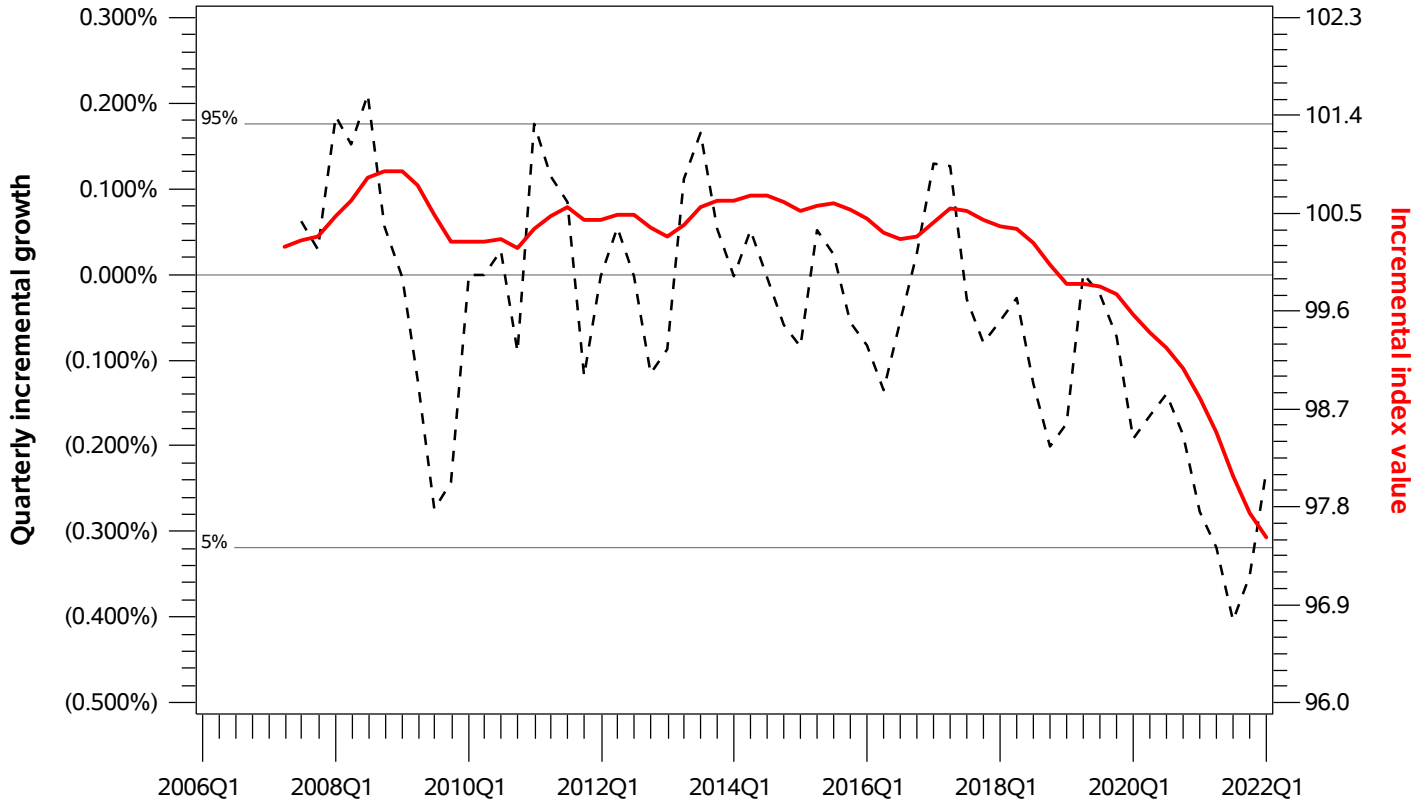


Table 8. ECI: COMP(PRIV) Professional and related incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000120000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-18.1686	Z_{Tau}	-3.3347
Prob Z_{Rho}	0.0118	Prob Z_{Tau}	0.0175

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0636	AR(1) coefficient	-0.6502
Standard error	0.0255	Standard error	0.1006
t-statistic	-2.4919	t-statistic	-6.4617
Probability t	0.0156	Durbin-Watson	2.1991

Estimated incremental annual growth rate: (0.254%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.254%)

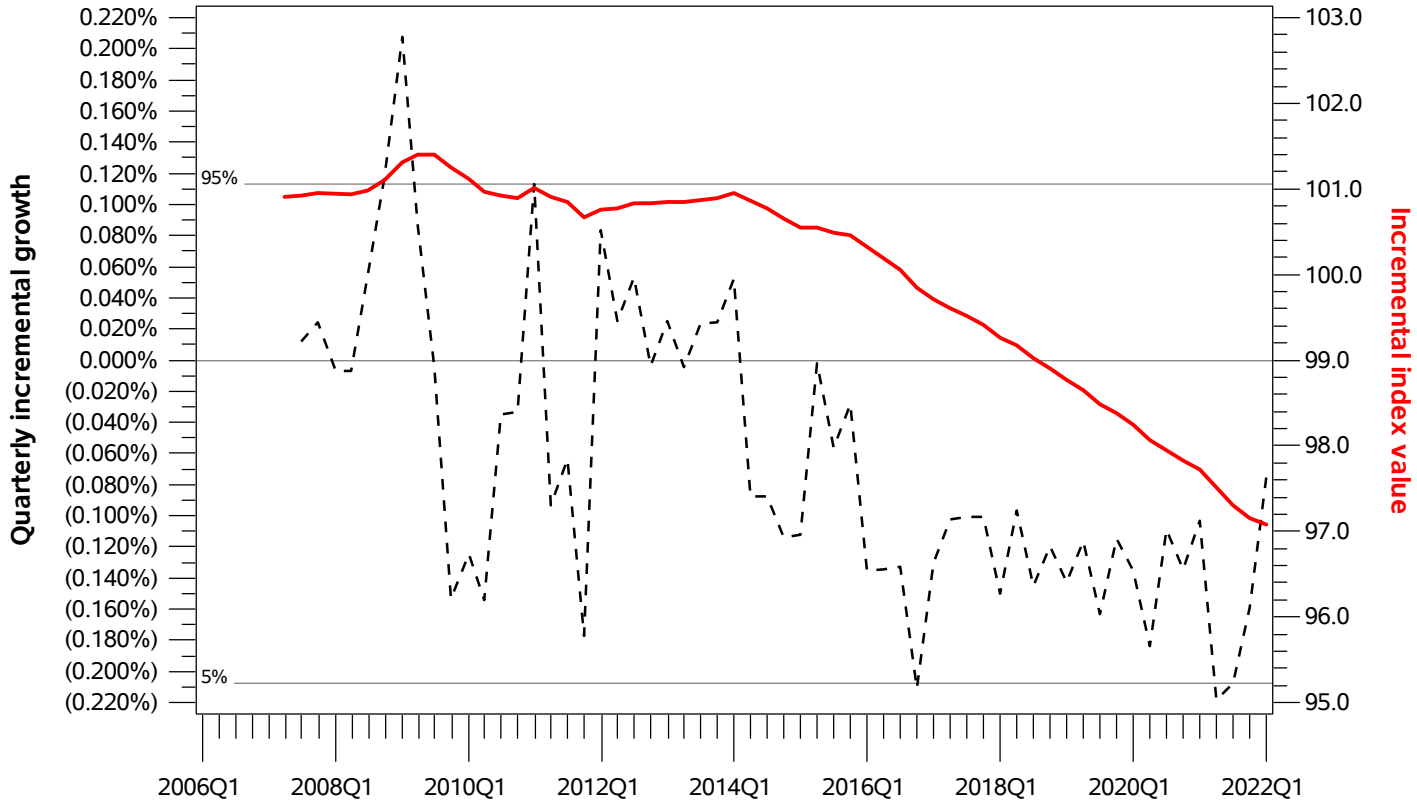


Table 9. ECI: COMP(PRIV) Sales and office incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000200000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-33.6599	Z_{Tau}	-4.8216
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0266	AR(1) coefficient	-0.4091
Standard error	0.0235	Standard error	0.1209
t-statistic	1.1343	t-statistic	-3.3847
Probability t	0.2614	Durbin-Watson	2.0375

Estimated incremental annual growth rate: 0.107%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

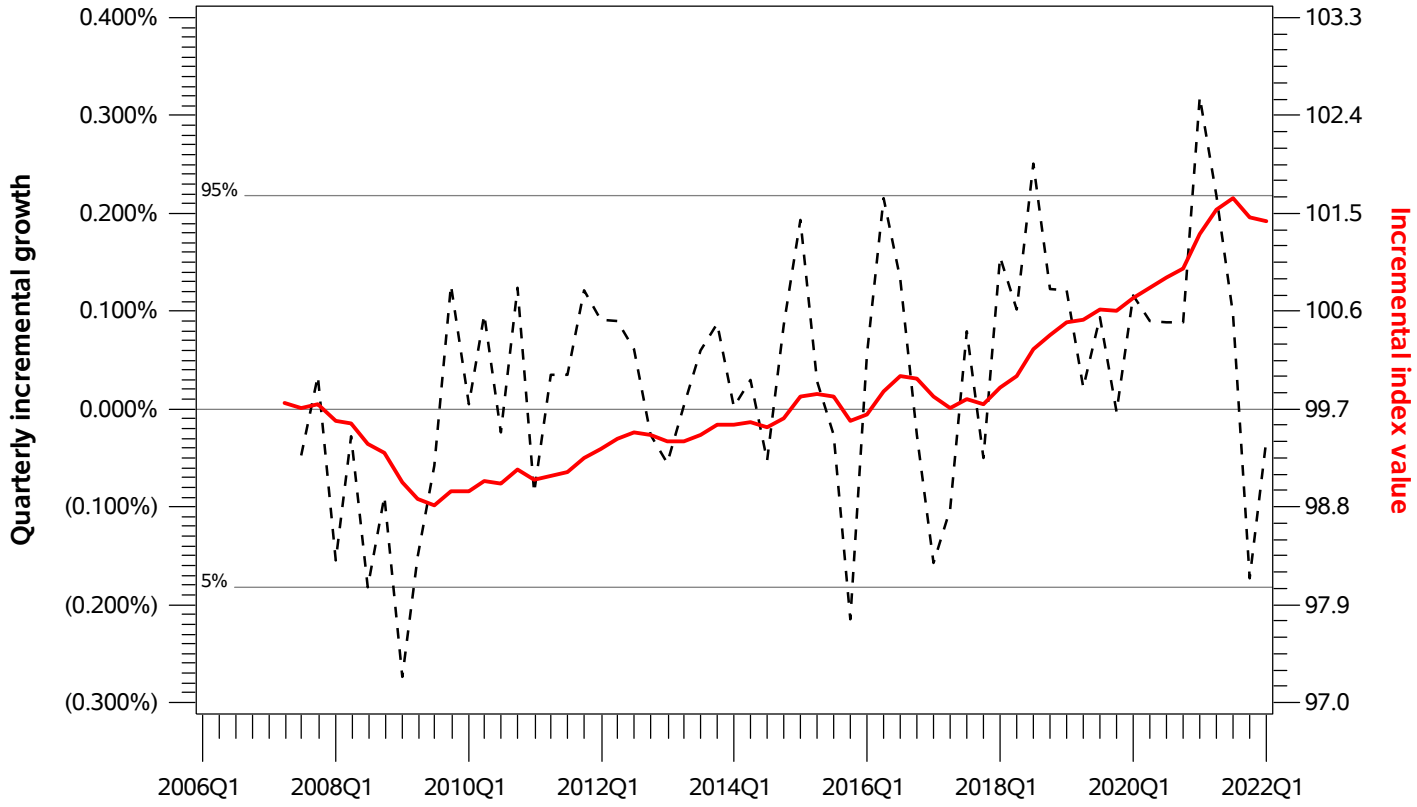


Table 10. ECI: COMP(PRIV) Sales and office, excluding incentive paid incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000200710I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.0104	Z_{Tau}	-3.9045
Prob Z_{Rho}	0.0014	Prob Z_{Tau}	0.0035

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0332	AR(1) coefficient	-0.5537
Standard error	0.0226	Standard error	0.1103
t-statistic	1.4663	t-statistic	-5.0197
Probability t	0.1481	Durbin-Watson	1.9885

Estimated incremental annual growth rate: 0.133%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

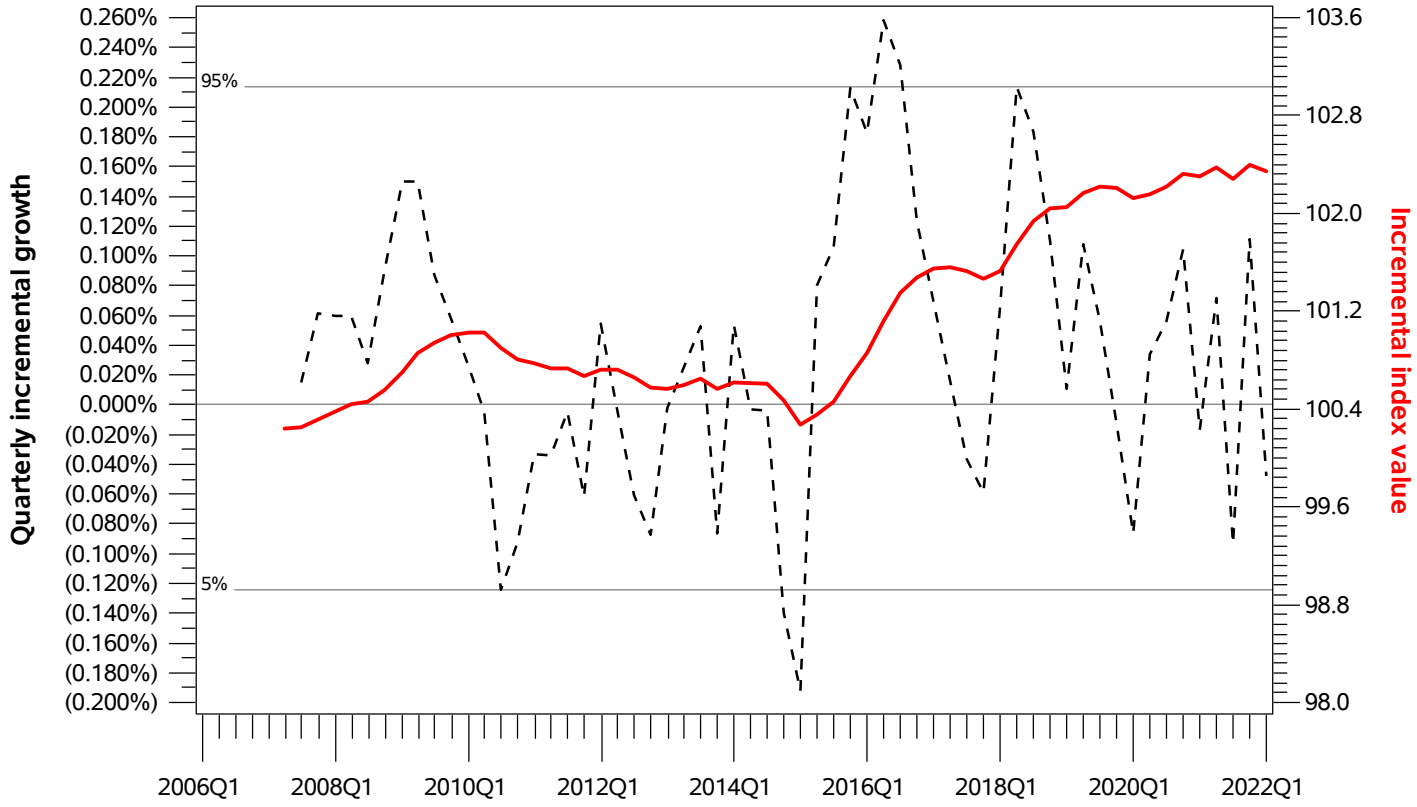


Table 11. ECI: COMP(PRIV) Sales and related incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000210000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-32.1925	Z_{Tau}	-4.6913
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0003

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0156	AR(1) coefficient	-0.4282
Standard error	0.0662	Standard error	0.1197
t-statistic	0.2360	t-statistic	-3.5775
Probability t	0.8143	Durbin-Watson	2.0785

Estimated incremental annual growth rate: 0.063%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

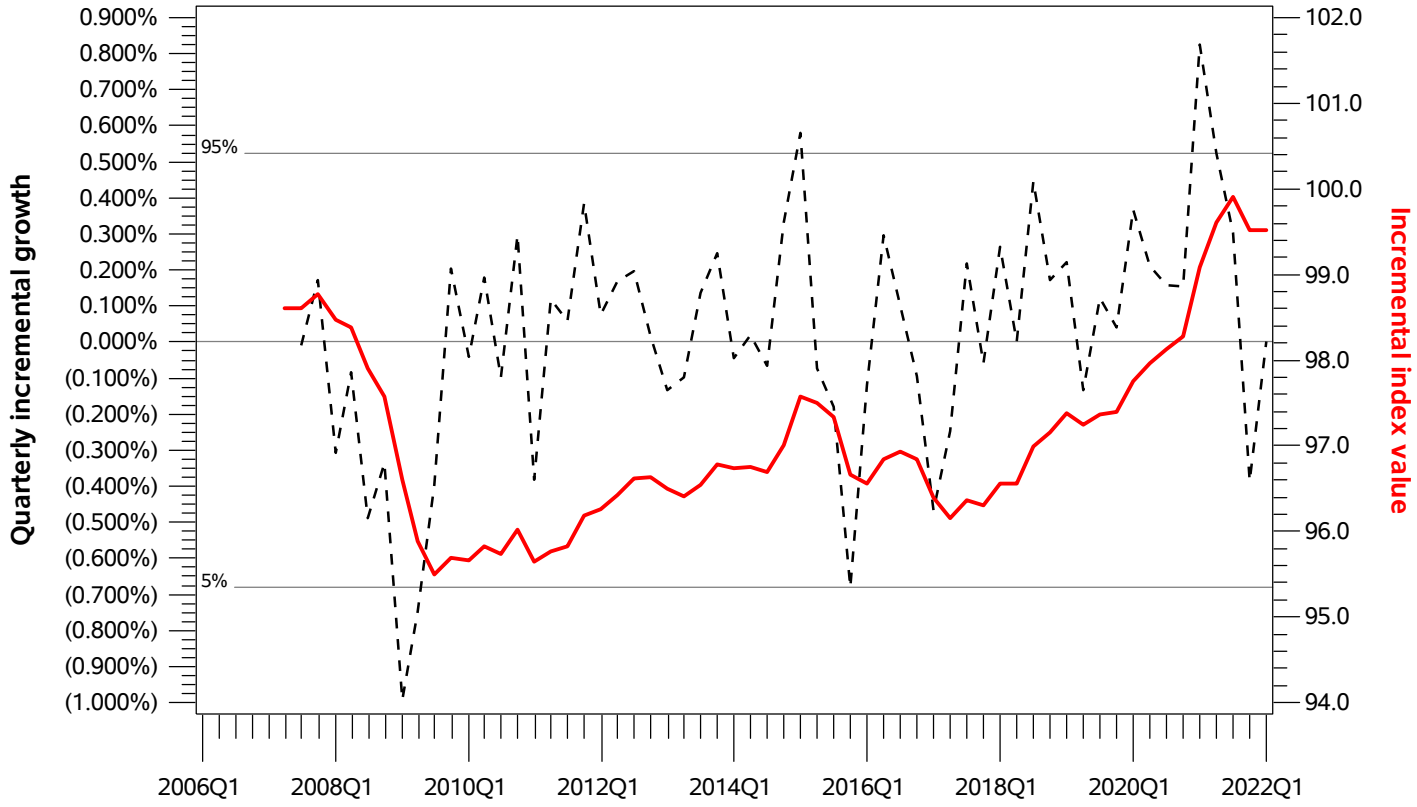


Table 12. ECI: COMP(PRIV) Sales and related, excluding incentive paid incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000210710I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.8091	Z_{Tau}	-3.8143
Prob Z_{Rho}	0.0028	Prob Z_{Tau}	0.0045

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0358	AR(1) coefficient	-0.5565
Standard error	0.0401	Standard error	0.1100
t-statistic	0.8916	t-statistic	-5.0574
Probability t	0.3763	Durbin-Watson	2.2195

Estimated incremental annual growth rate: 0.143%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

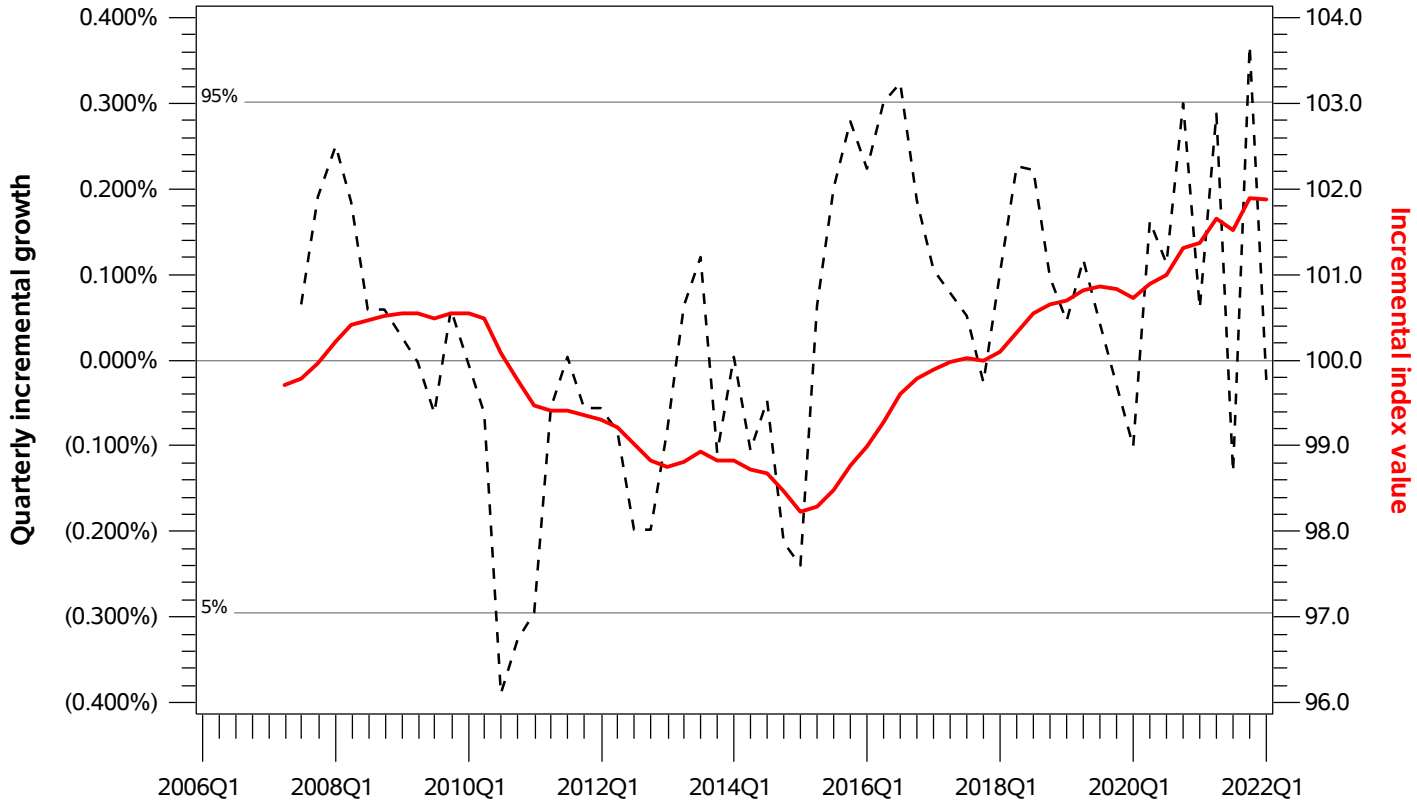


Table 13. ECI: COMP(PRIV) Office and administrative support incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000220000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-24.7386	Z_{Tau}	-3.9009
Prob Z_{Rho}	0.0016	Prob Z_{Tau}	0.0035

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0317	AR(1) coefficient	-0.5710
Standard error	0.0212	Standard error	0.1087
t-statistic	1.4985	t-statistic	-5.2517
Probability t	0.1395	Durbin-Watson	1.8869

Estimated incremental annual growth rate: 0.127%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

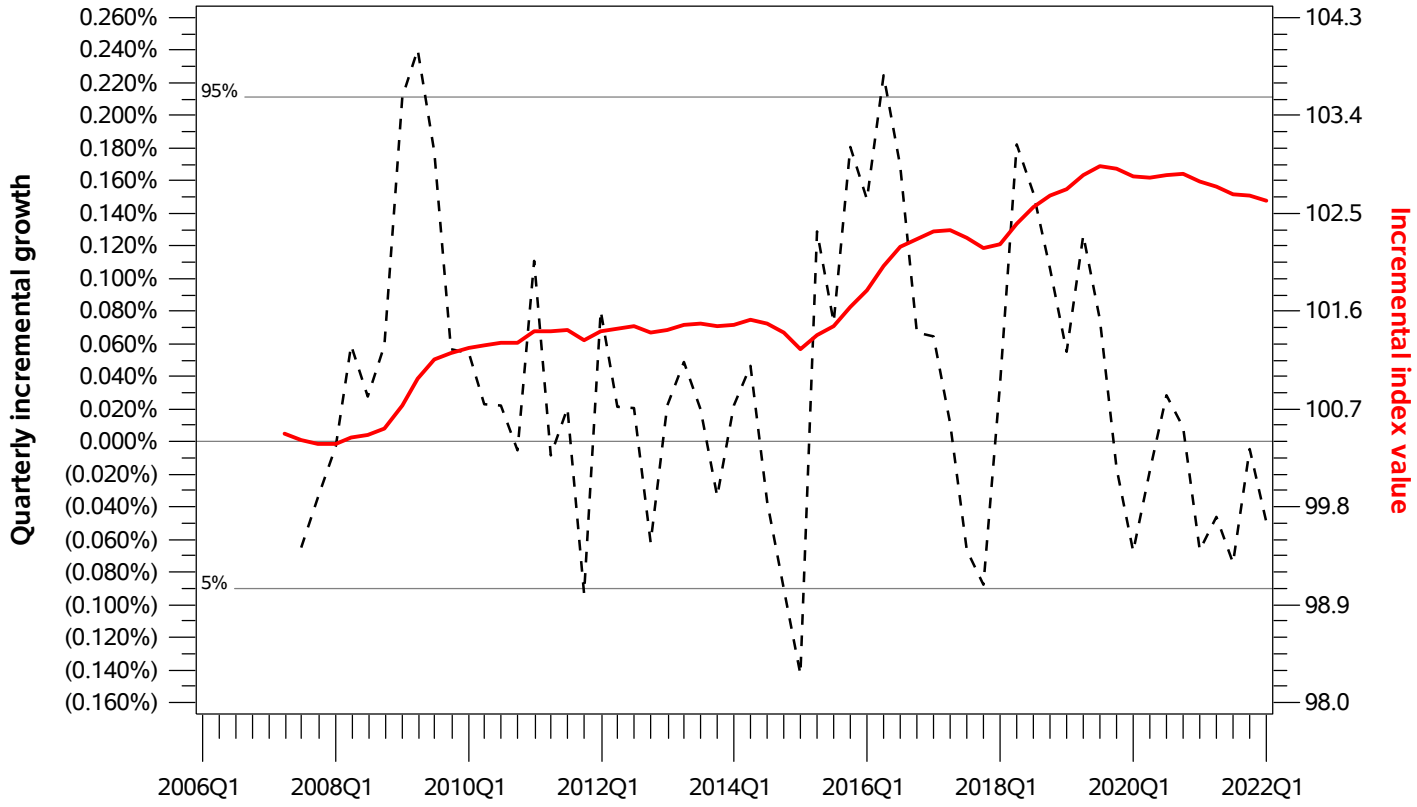


Table 14. ECI: COMP(PRIV) Service occupations incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000300000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-9.8738	Z_{Tau}	-2.1795
Prob Z_{Rho}	0.1225	Prob Z_{Tau}	0.2156

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0940	AR(1) coefficient	-0.8038
Standard error	0.0735	Standard error	0.0788
t-statistic	1.2791	t-statistic	-10.2021
Probability t	0.2061	Durbin-Watson	1.8585

Estimated incremental annual growth rate: 0.377%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

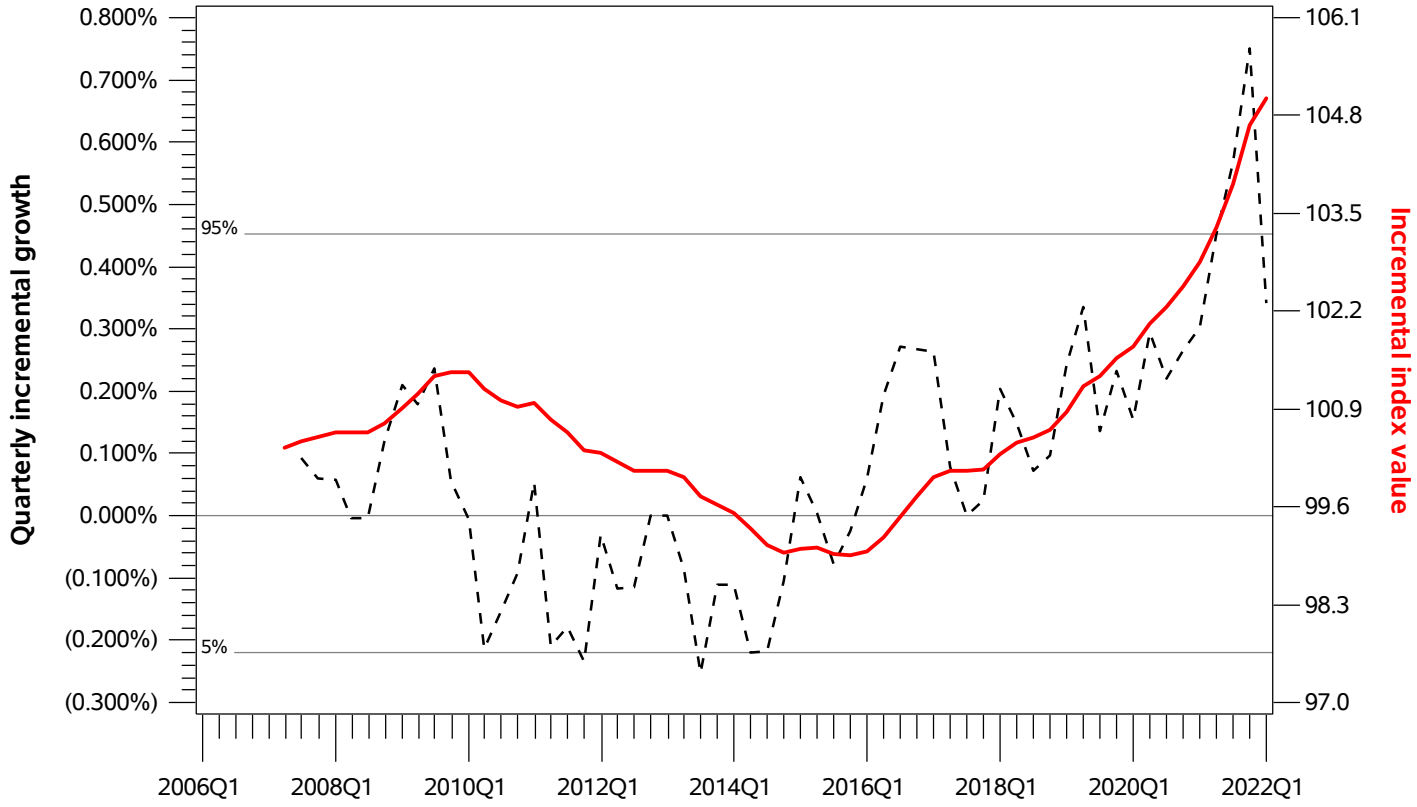


Table 15. ECI: COMP(PRIV) Natural resources, construction, and maintenance incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000400000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-36.4143	Z_{Tau}	-5.0803
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0131	AR(1) coefficient	-0.3004
Standard error	0.0156	Standard error	0.1263
t-statistic	-0.8386	t-statistic	-2.3776
Probability t	0.4052	Durbin-Watson	2.0717

Estimated incremental annual growth rate: (0.052%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

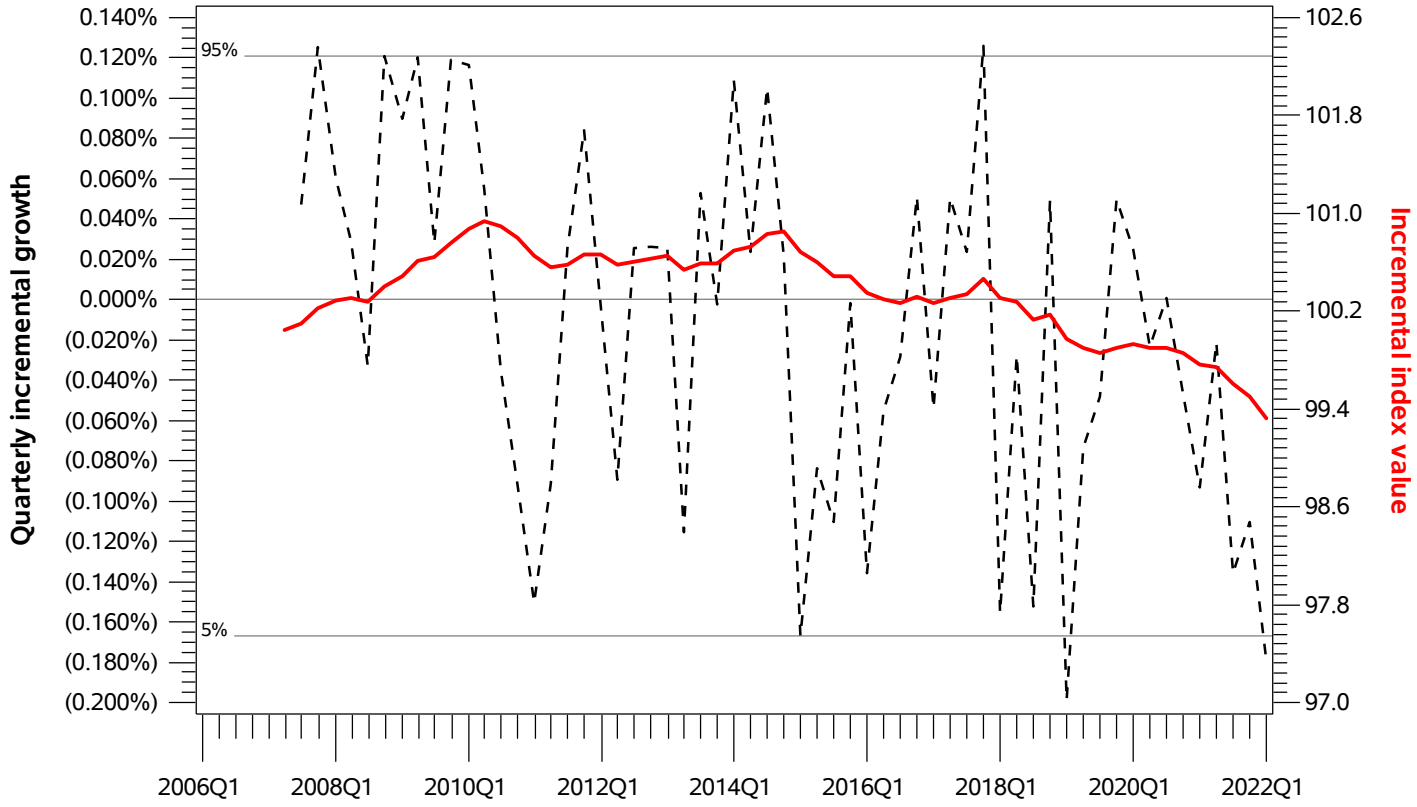


Table 16. ECI: COMP(PRIV) Construction, extraction, farming, fishing, and forestry occupations incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000405000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.6528	Z_{Tau}	-4.3621
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0009

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0231	AR(1) coefficient	-0.4361
Standard error	0.0285	Standard error	0.1192
t-statistic	-0.8125	t-statistic	-3.6583
Probability t	0.4199	Durbin-Watson	2.1450

Estimated incremental annual growth rate: (0.093%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

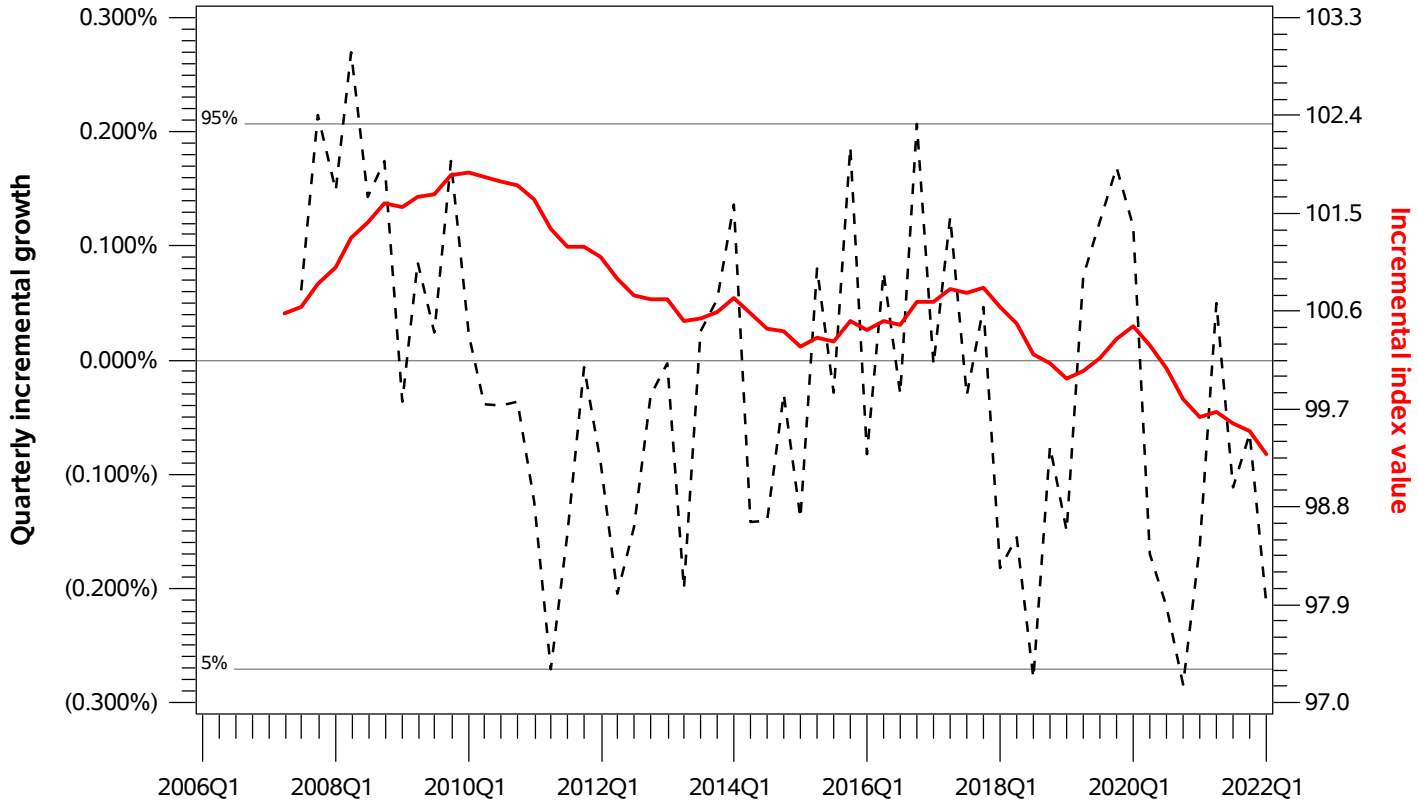


Table 17. ECI: COMP(PRIV) Installation, maintenance, and repair incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000430000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.5399	Z_{Tau}	-4.1787
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0015

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0027	AR(1) coefficient	-0.5214
Standard error	0.0372	Standard error	0.1130
t-statistic	-0.0727	t-statistic	-4.6127
Probability t	0.9423	Durbin-Watson	1.8596

Estimated incremental annual growth rate: (0.011%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

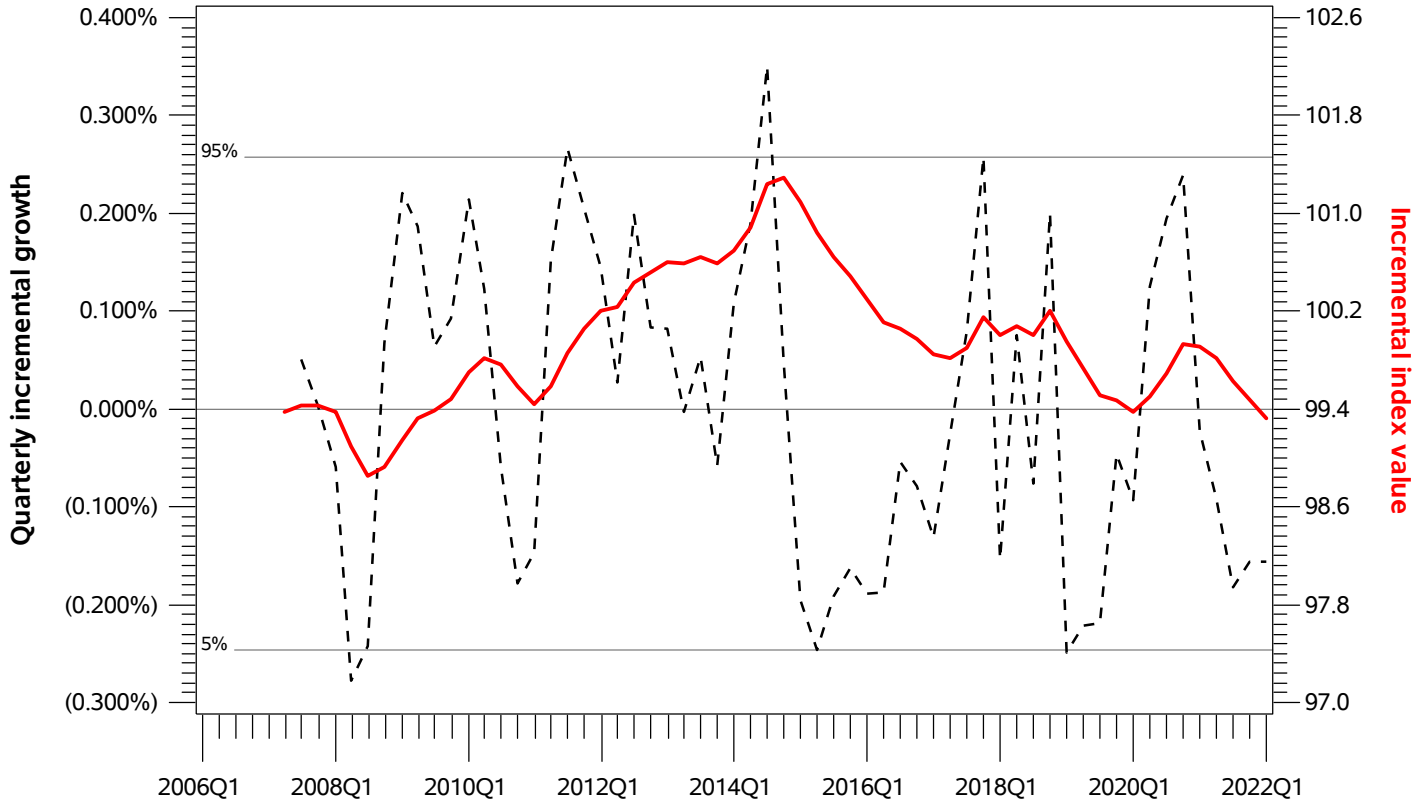


Table 18. ECI: COMP(PRIV) Production, transportation, and material moving incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000500000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.8124	Z_{Tau}	-4.1553
Prob Z_{Rho}	0.0008	Prob Z_{Tau}	0.0016

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0559	AR(1) coefficient	-0.5476
Standard error	0.0245	Standard error	0.1108
t-statistic	2.2803	t-statistic	-4.9416
Probability t	0.0264	Durbin-Watson	1.8322

Estimated incremental annual growth rate: 0.224%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.224%

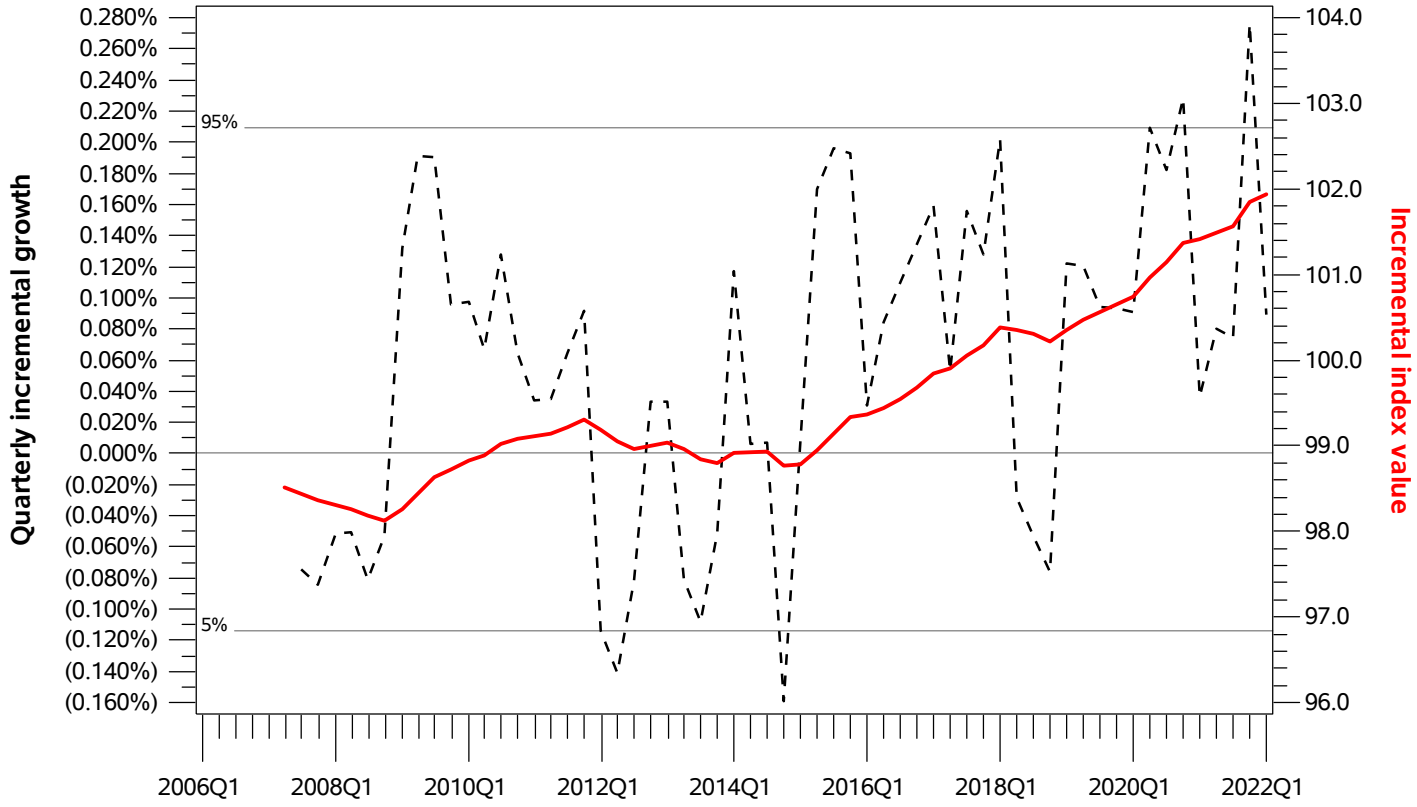


Table 19. ECI: COMP(PRIV) Production, transportation, and material moving; excluding incentive paid incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000500710I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-27.1052	Z_{Tau}	-4.1712
Prob Z_{Rho}	0.0007	Prob Z_{Tau}	0.0015

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0531	AR(1) coefficient	-0.5358
Standard error	0.0266	Standard error	0.1118
t-statistic	1.9977	t-statistic	-4.7908
Probability t	0.0505	Durbin-Watson	1.9163

Estimated incremental annual growth rate: 0.213%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.213%

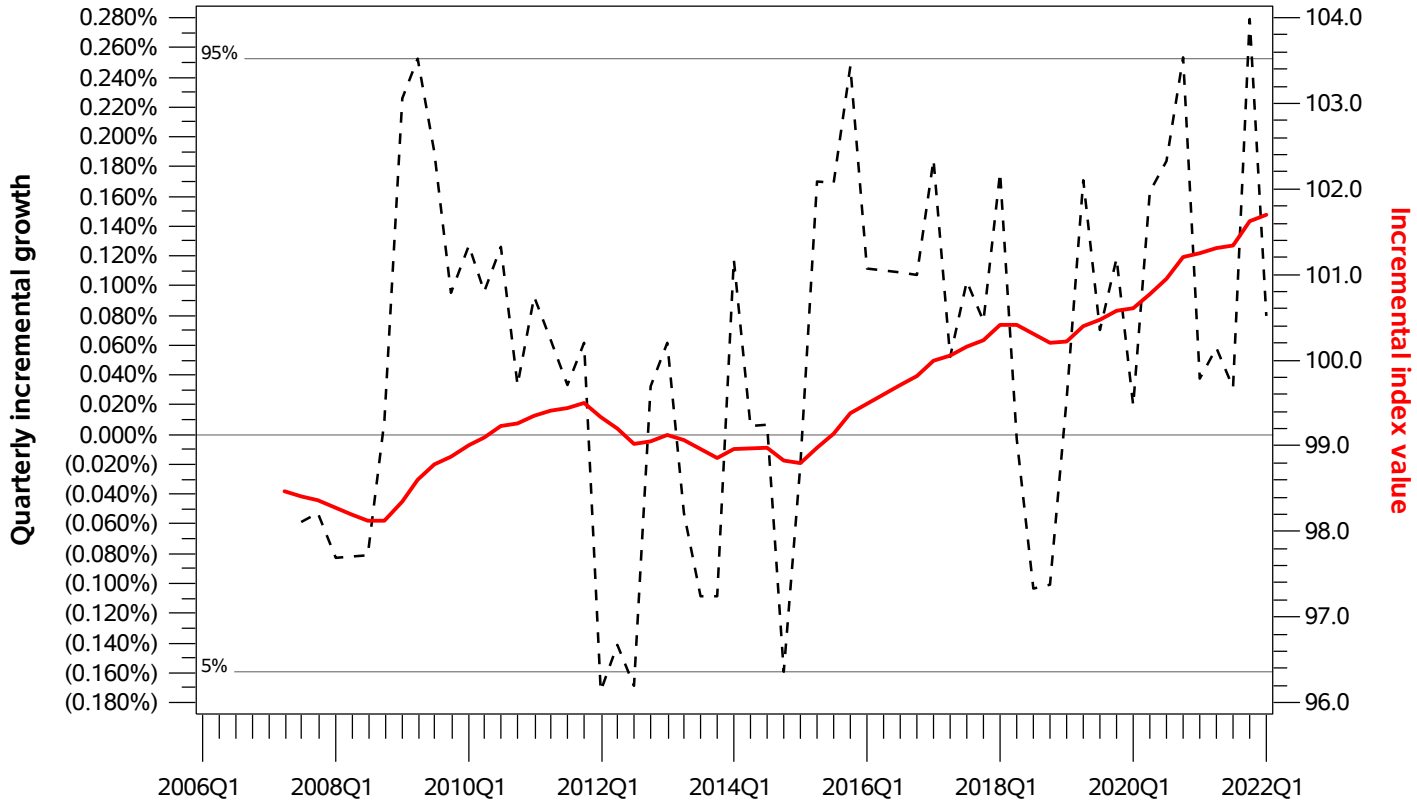


Table 20. ECI: COMP(PRIV) Production incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000510000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.1907	Z_{Tau}	-4.0120
Prob Z_{Rho}	0.0013	Prob Z_{Tau}	0.0025

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0220	AR(1) coefficient	-0.5727
Standard error	0.0340	Standard error	0.1086
t-statistic	0.6466	t-statistic	-5.2743
Probability t	0.5205	Durbin-Watson	1.8718

Estimated incremental annual growth rate: 0.088%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

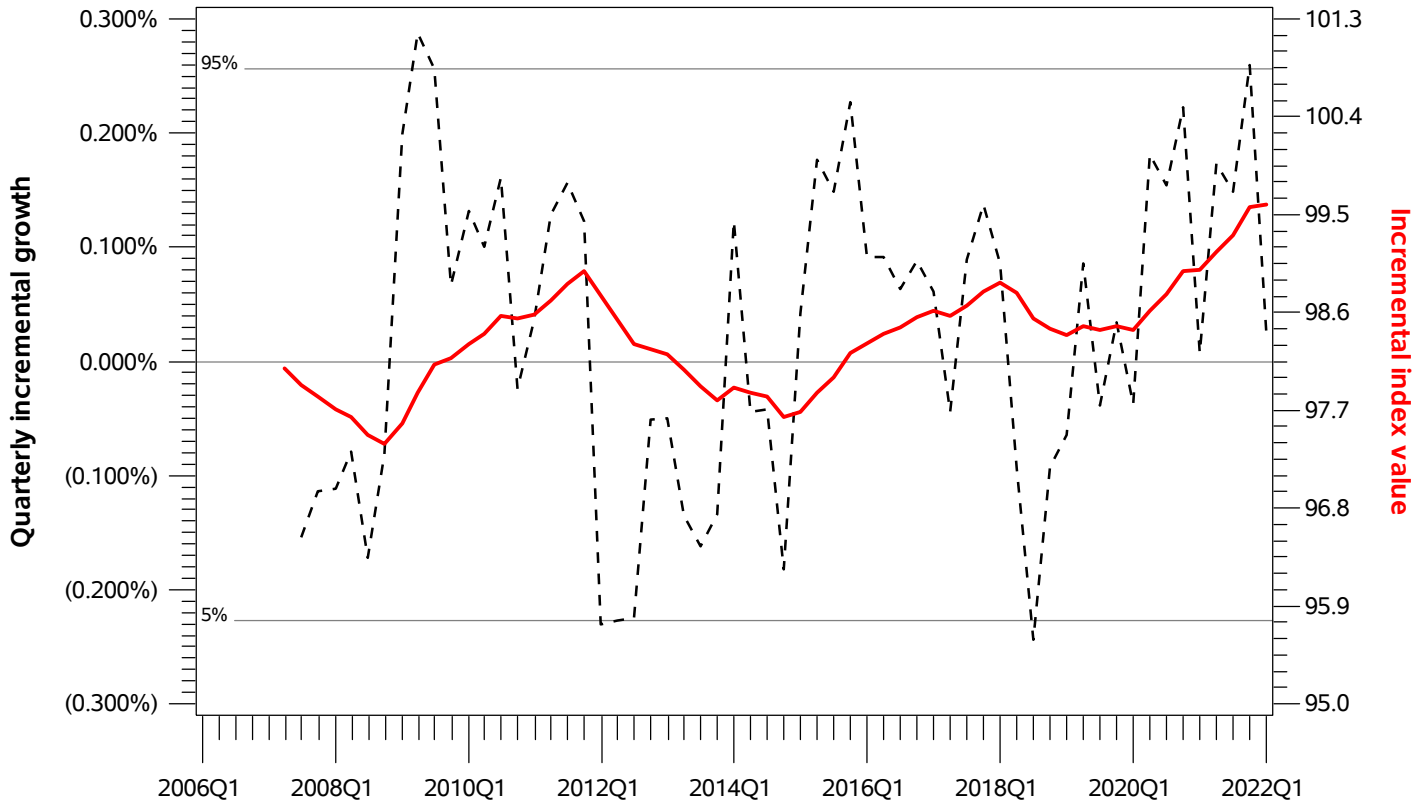


Table 21. ECI: COMP(PRIV) Production, exluding incentive paid incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000510710I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.4299	Z_{Tau}	-3.8330
Prob Z_{Rho}	0.0023	Prob Z_{Tau}	0.0043

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0287	AR(1) coefficient	-0.6008
Standard error	0.0353	Standard error	0.1059
t-statistic	0.8148	t-statistic	-5.6745
Probability t	0.4186	Durbin-Watson	1.8738

Estimated incremental annual growth rate: 0.115%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

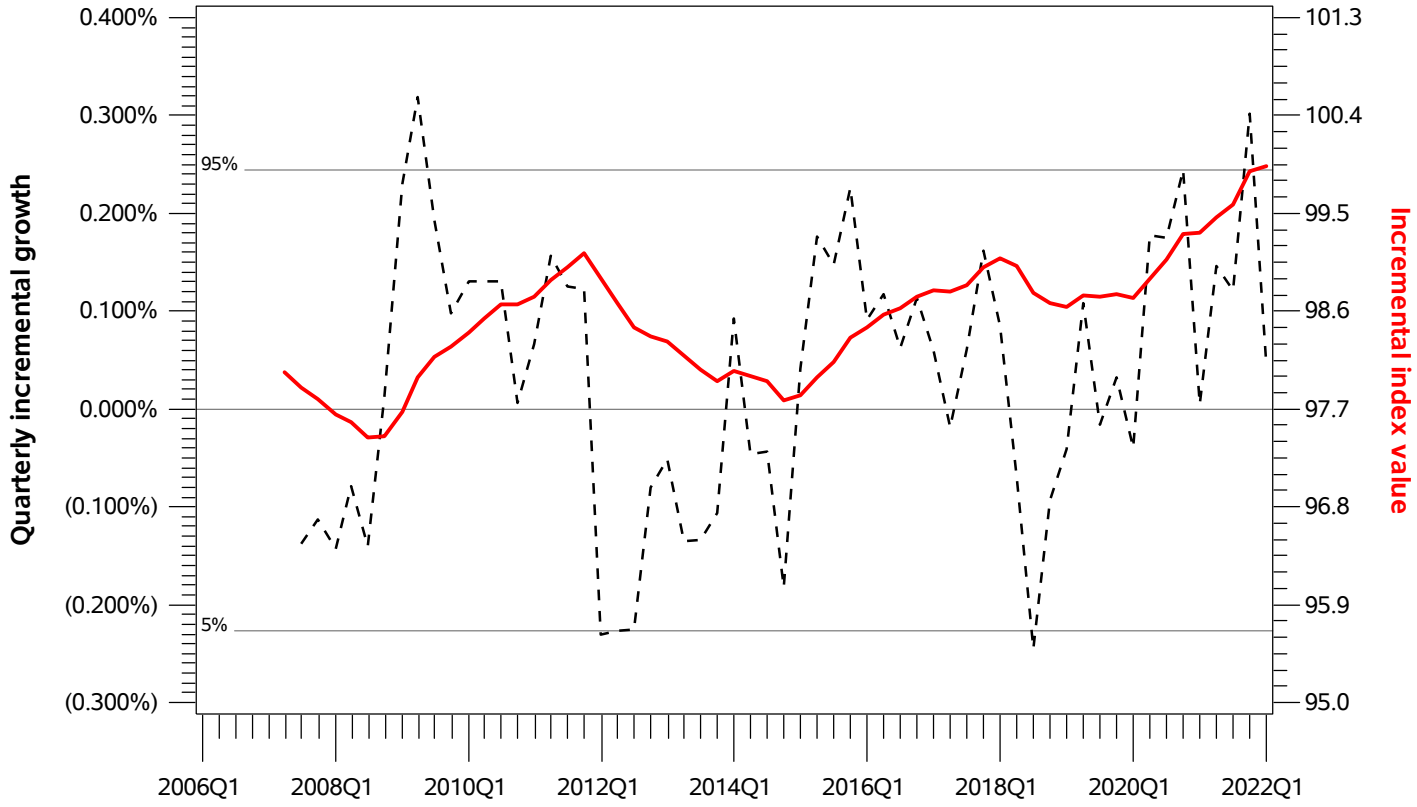


Table 22. ECI: COMP(PRIV) Transportation and material moving incremental growth over ECI: COMP(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2010000520000I and CIU2010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-37.1897	Z_{Tau}	-5.2002
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0941	AR(1) coefficient	-0.3464
Standard error	0.0212	Standard error	0.1243
t-statistic	4.4357	t-statistic	-2.7881
Probability t	0.0000	Durbin-Watson	2.0186

Estimated incremental annual growth rate: 0.377%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.377%

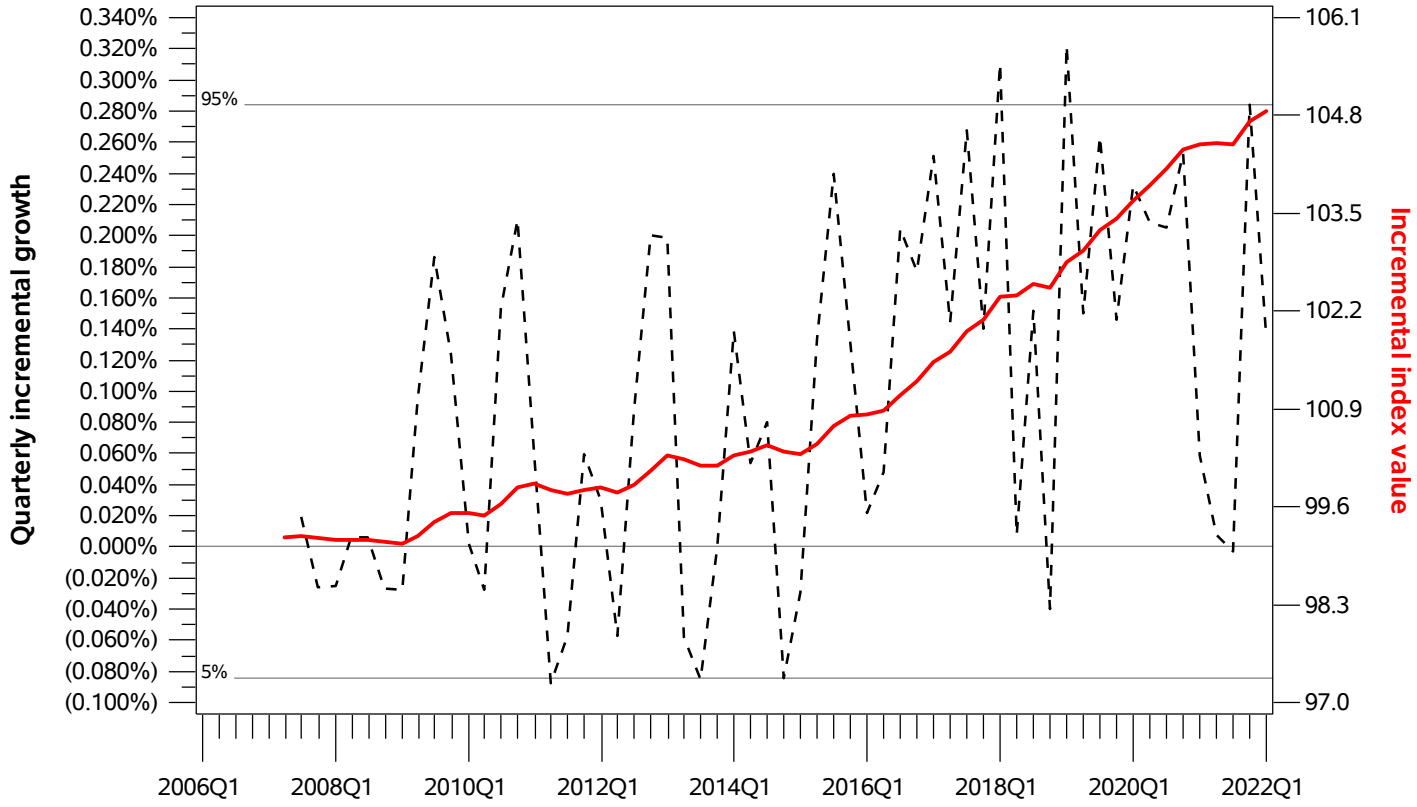


Table 23. ECI: COMP(PRIV) Construction incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU2012300000000I and CIU201G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-17.1818	Z_{Tau}	-3.1286
Prob Z_{Rho}	0.0158	Prob Z_{Tau}	0.0297

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0147	AR(1) coefficient	-0.7177
Standard error	0.0495	Standard error	0.0922
t-statistic	-0.2957	t-statistic	-7.7815
Probability t	0.7686	Durbin-Watson	1.6595

Estimated incremental annual growth rate: (0.059%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

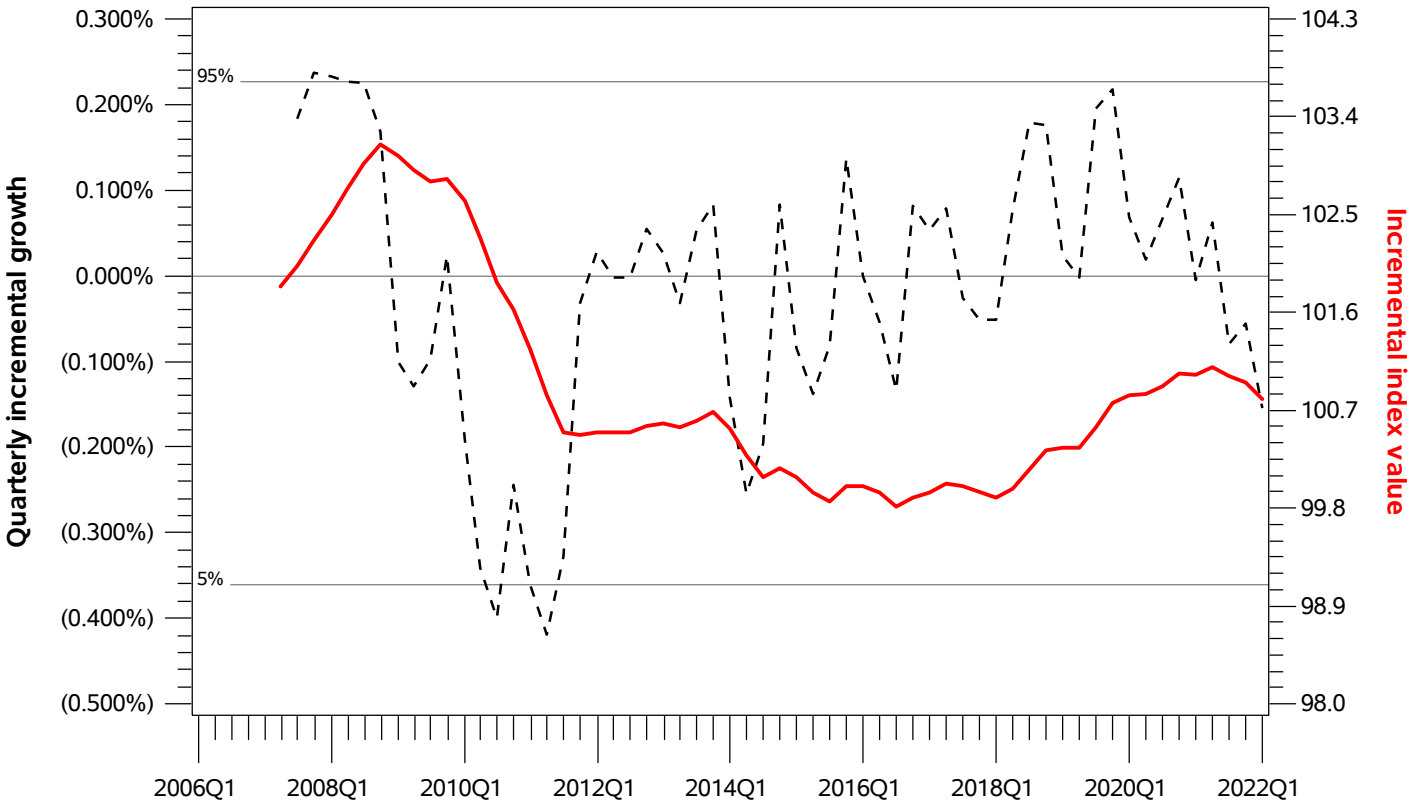


Table 24. ECI: COMP(PRIV) Union, manufacturing incremental growth over ECI: COMP(PRIV) Manufacturing

LABSTAT series identifiers: CIU20130000000510I and CIU20130000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-19.6711	Z_{Tau}	-3.2908
Prob Z_{Rho}	0.0075	Prob Z_{Tau}	0.0196

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0221	AR(1) coefficient	-0.6547
Standard error	0.0913	Standard error	0.1001
t-statistic	0.2424	t-statistic	-6.5400
Probability t	0.8093	Durbin-Watson	1.8750

Estimated incremental annual growth rate: 0.089%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

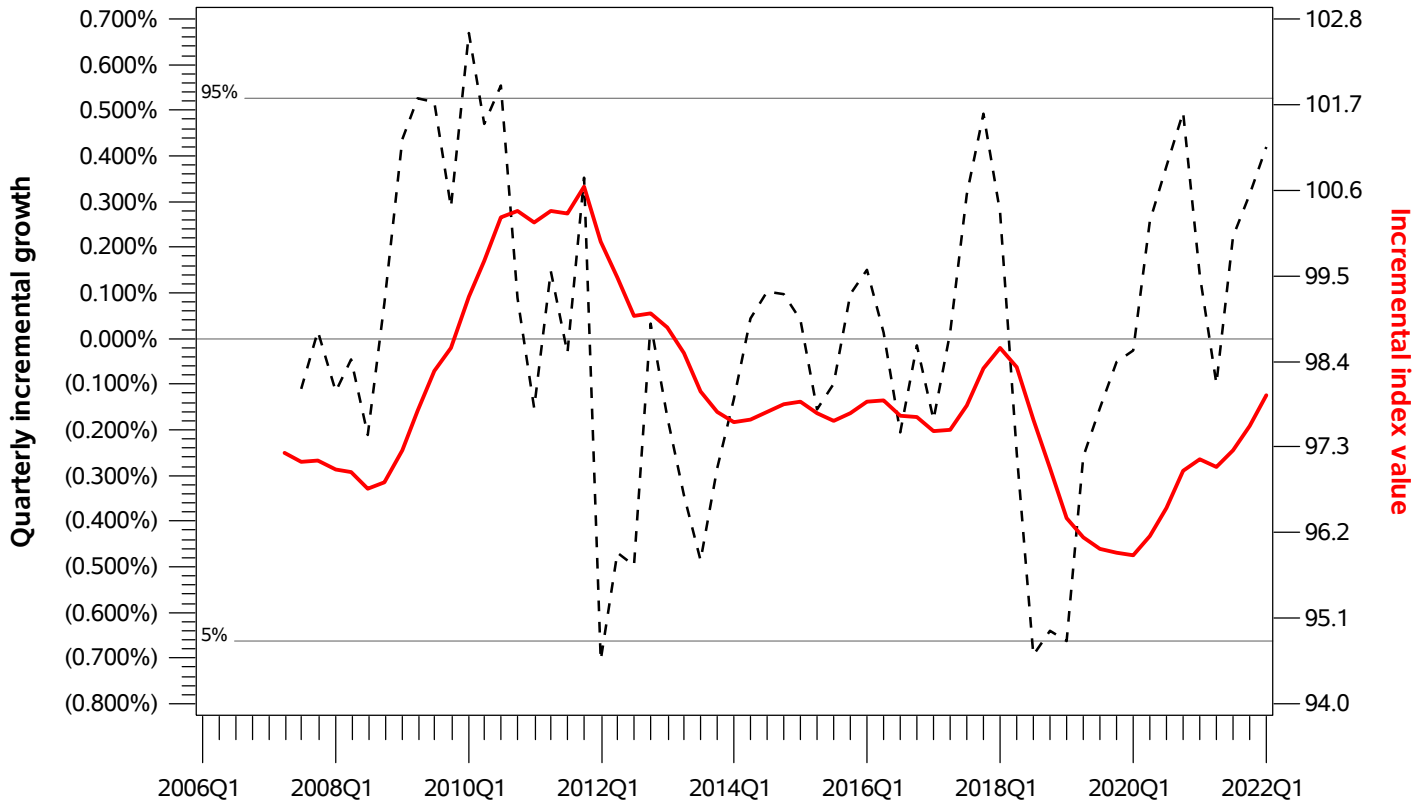


Table 25. ECI: COMP(PRIV) Nonunion, manufacturing incremental growth over ECI: COMP(PRIV) Manufacturing

LABSTAT series identifiers: CIU2013000000520I and CIU2013000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-24.1462	Z_{Tau}	-3.8546
Prob Z_{Rho}	0.0019	Prob Z_{Tau}	0.0040

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0033	AR(1) coefficient	-0.5530
Standard error	0.0184	Standard error	0.1104
t-statistic	-0.1785	t-statistic	-5.0114
Probability t	0.8589	Durbin-Watson	2.1022

Estimated incremental annual growth rate: (0.013%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

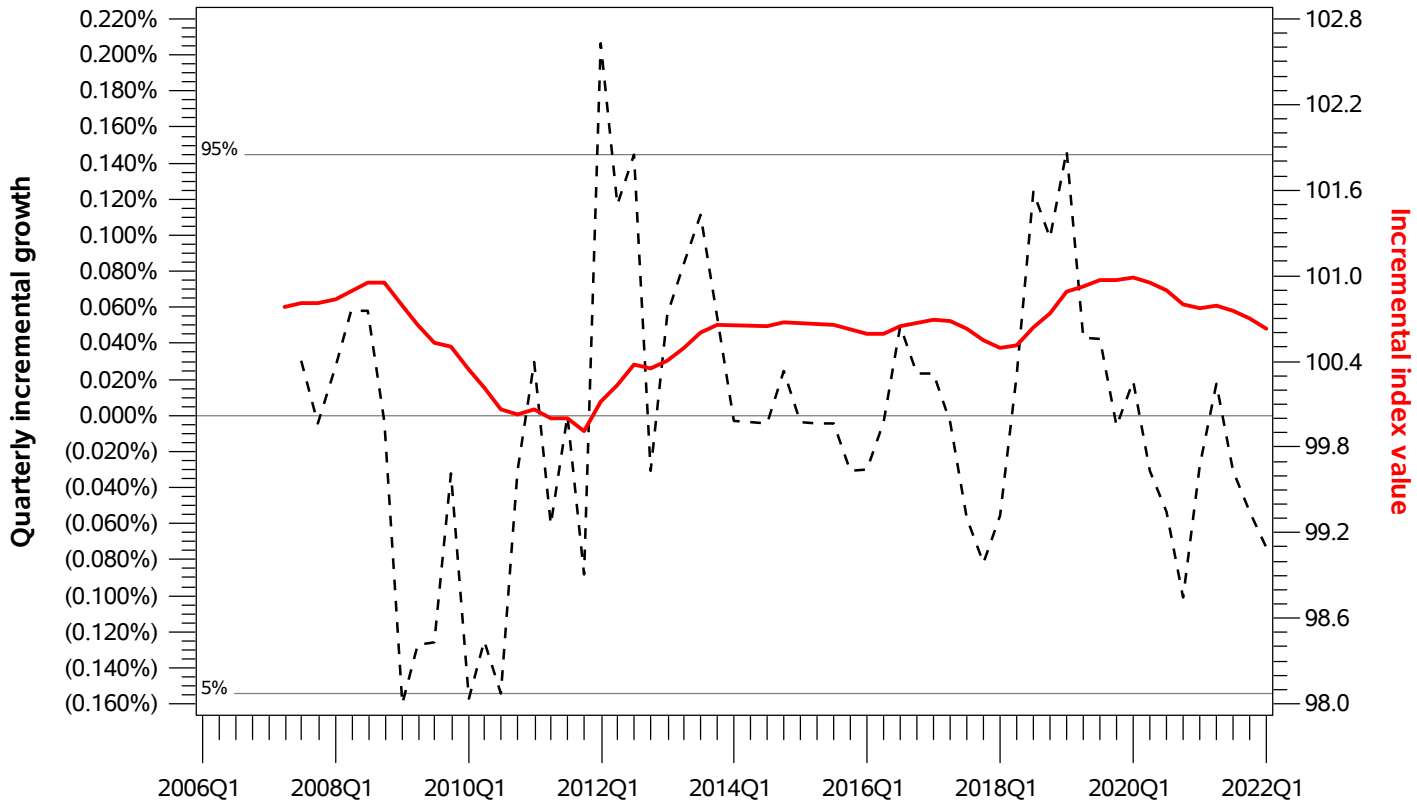


Table 26. ECI: COMP(PRIV) Manufacturing; management, professional, and related occupations incremental growth over ECI: COMP(PRIV) Manufacturing

LABSTAT series identifiers: CIU2013000100000I and CIU2013000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-20.7637	Z_{Tau}	-3.4652
Prob Z_{Rho}	0.0054	Prob Z_{Tau}	0.0123

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0406	AR(1) coefficient	-0.6162
Standard error	0.0330	Standard error	0.1043
t-statistic	-1.2309	t-statistic	-5.9069
Probability t	0.2234	Durbin-Watson	2.0635

Estimated incremental annual growth rate: (0.162%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

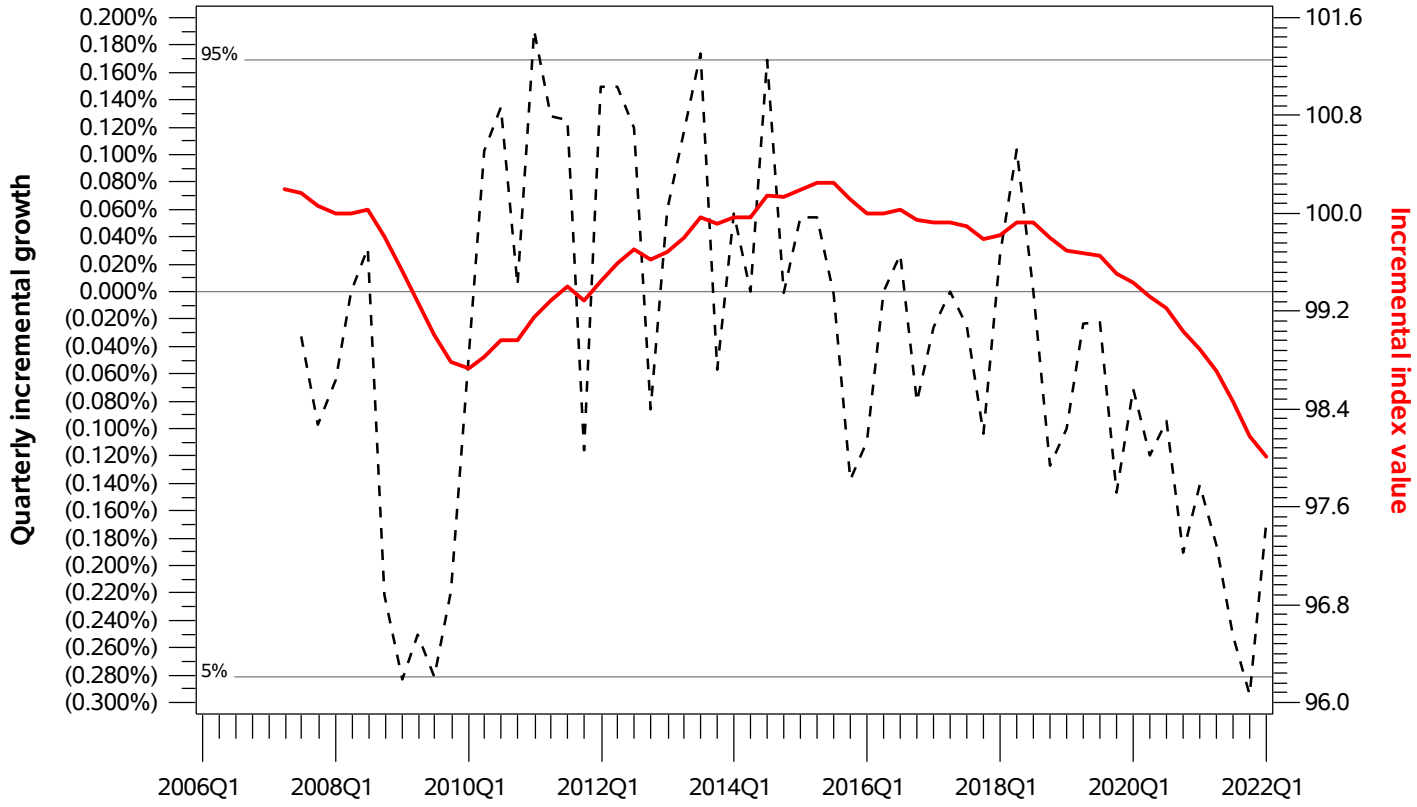


Table 27. ECI: COMP(PRIV) Manufacturing, sales and office occupations incremental growth over ECI: COMP(PRIV) Manufacturing

LABSTAT series identifiers: CIU2013000200000I and CIU2013000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.2479	Z_{Tau}	-4.3218
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0010

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0196	AR(1) coefficient	-0.4970
Standard error	0.0455	Standard error	0.1149
t-statistic	0.4311	t-statistic	-4.3238
Probability t	0.6680	Durbin-Watson	1.9735

Estimated incremental annual growth rate: 0.079%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

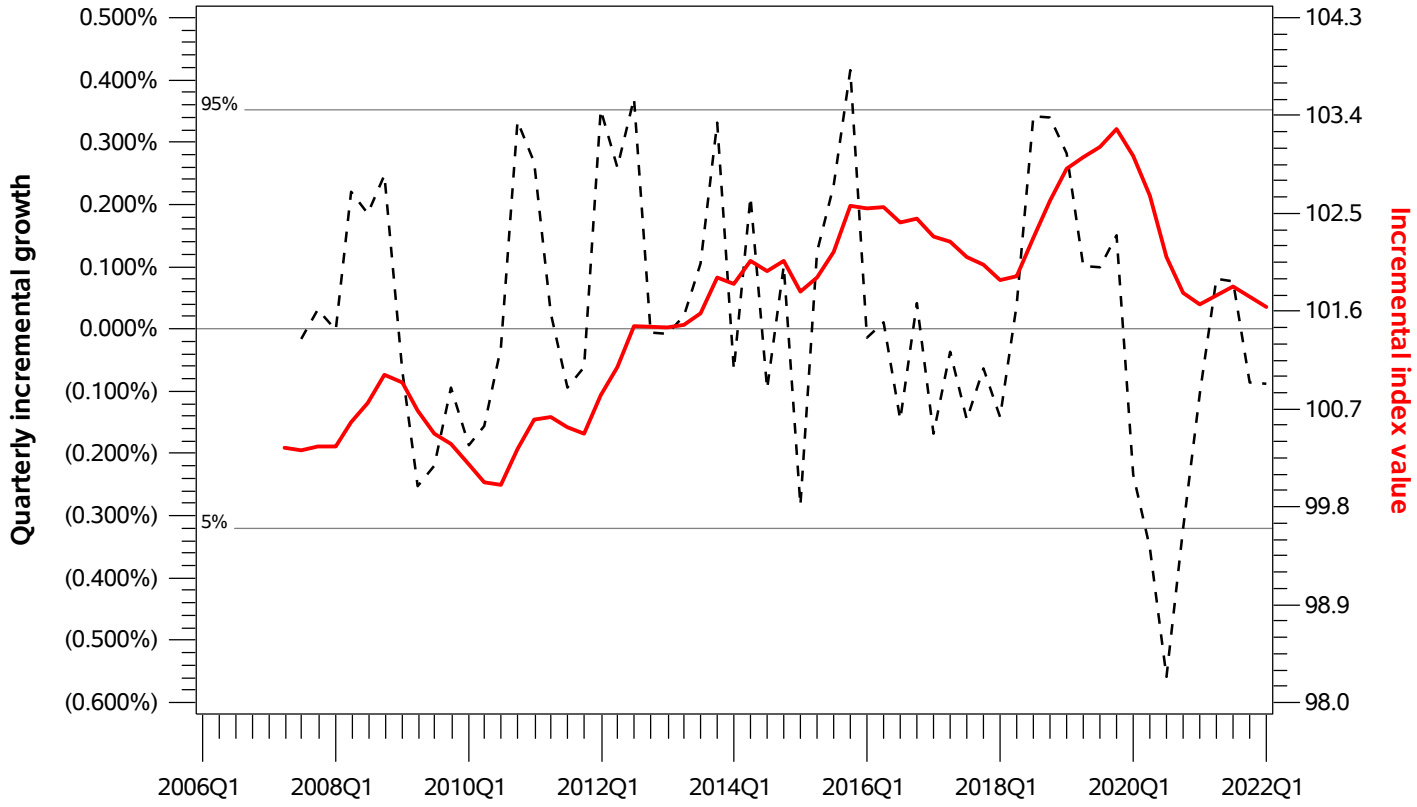


Table 28. ECI: COMP(PRIV) Manufacturing; natural resources, construction, and maintenance incremental growth over ECI: COMP(PRIV) Manufacturing

LABSTAT series identifiers: CIU2013000400000I and CIU2013000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-32.4211	Z_{Tau}	-4.5271
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0153	AR(1) coefficient	-0.4886
Standard error	0.0320	Standard error	0.1156
t-statistic	0.4771	t-statistic	-4.2283
Probability t	0.6351	Durbin-Watson	1.7526

Estimated incremental annual growth rate: 0.061%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

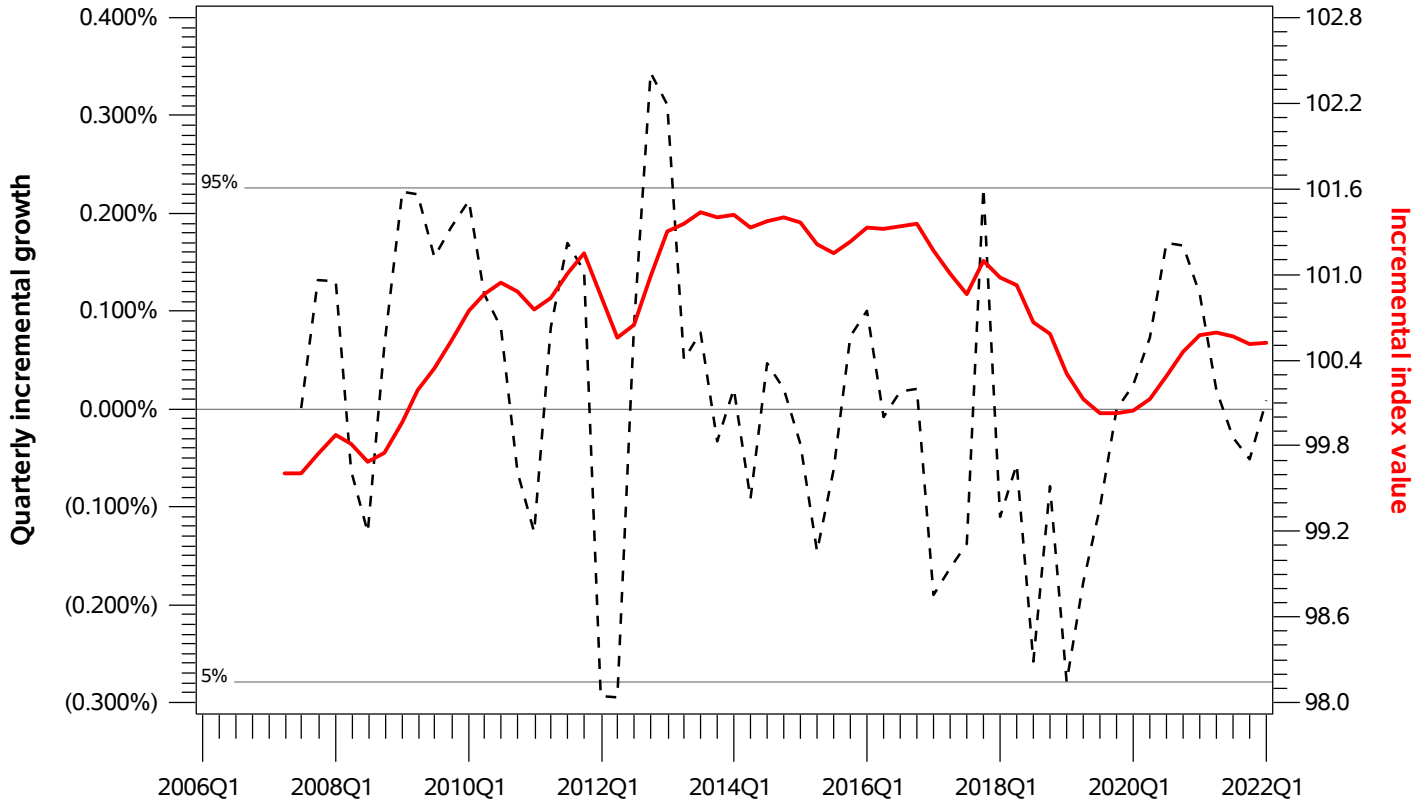


Table 29. ECI: COMP(PRIV) Manufacturing; production, transportation, and material moving incremental growth over ECI: COMP(PRIV) Manufacturing

LABSTAT series identifiers: CIU2013000500000I and CIU2013000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-12.9316	Z_{Tau}	-2.6328
Prob Z_{Rho}	0.0534	Prob Z_{Tau}	0.0921

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0257	AR(1) coefficient	-0.7466
Standard error	0.0332	Standard error	0.0881
t-statistic	0.7732	t-statistic	-8.4718
Probability t	0.4426	Durbin-Watson	2.1436

Estimated incremental annual growth rate: 0.103%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

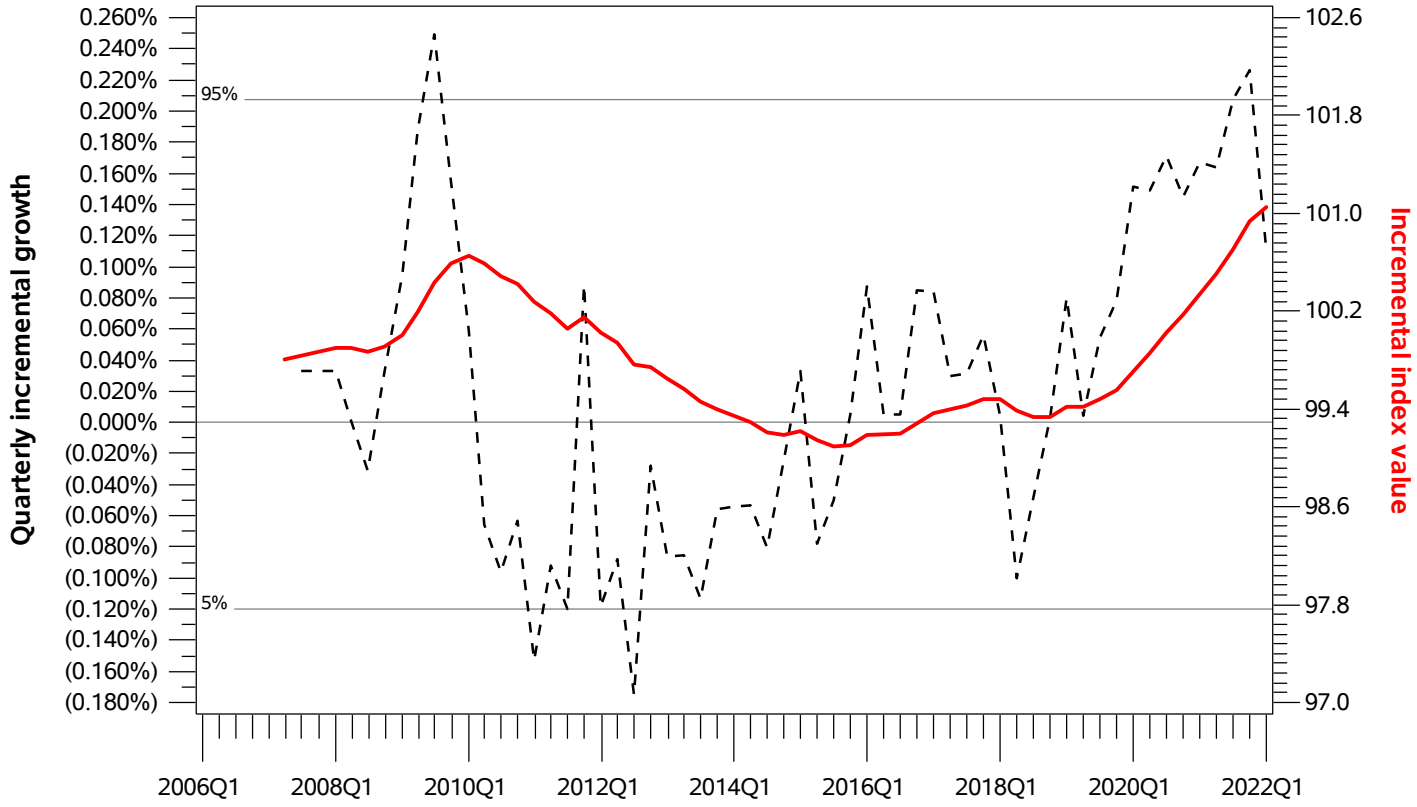


Table 30. ECI: COMP(PRIV) Aircraft manufacturing incremental growth over ECI: COMP(PRIV) Manufacturing

LABSTAT series identifiers: CIU2013211000000I and CIU2013000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.3343	Z_{Tau}	-3.5426
Prob Z_{Rho}	0.0024	Prob Z_{Tau}	0.0099

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1931	AR(1) coefficient	-0.6514
Standard error	0.3929	Standard error	0.1005
t-statistic	0.4915	t-statistic	-6.4819
Probability t	0.6249	Durbin-Watson	1.3538

Estimated incremental annual growth rate: 0.775%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

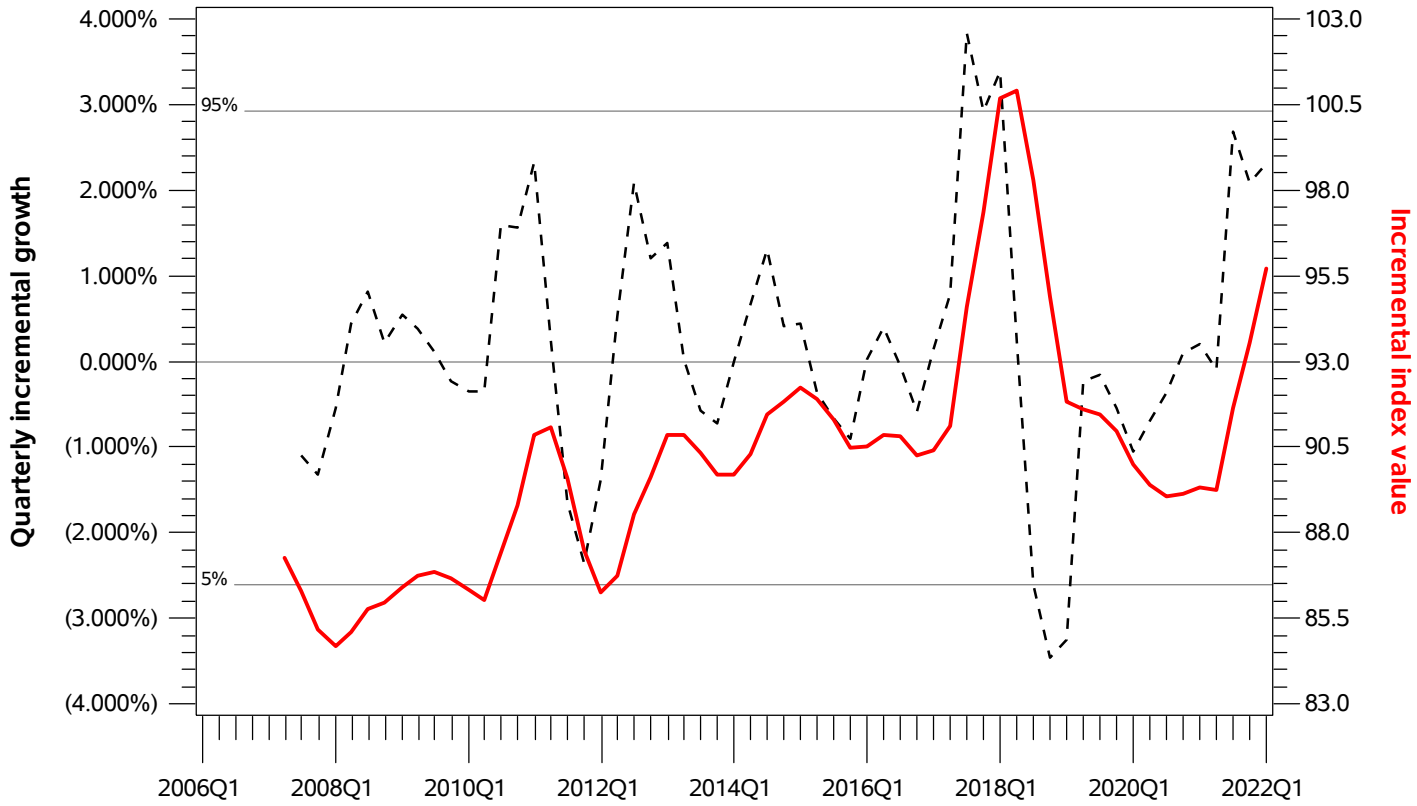


Table 31. ECI: COMP(PRIV) Trade, transportation, and utilities incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2014000000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-37.2628	Z_{Tau}	-5.3550
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0528	AR(1) coefficient	-0.3312
Standard error	0.0192	Standard error	0.1250
t-statistic	2.7439	t-statistic	-2.6497
Probability t	0.0081	Durbin-Watson	2.0634

Estimated incremental annual growth rate: 0.211%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.211%

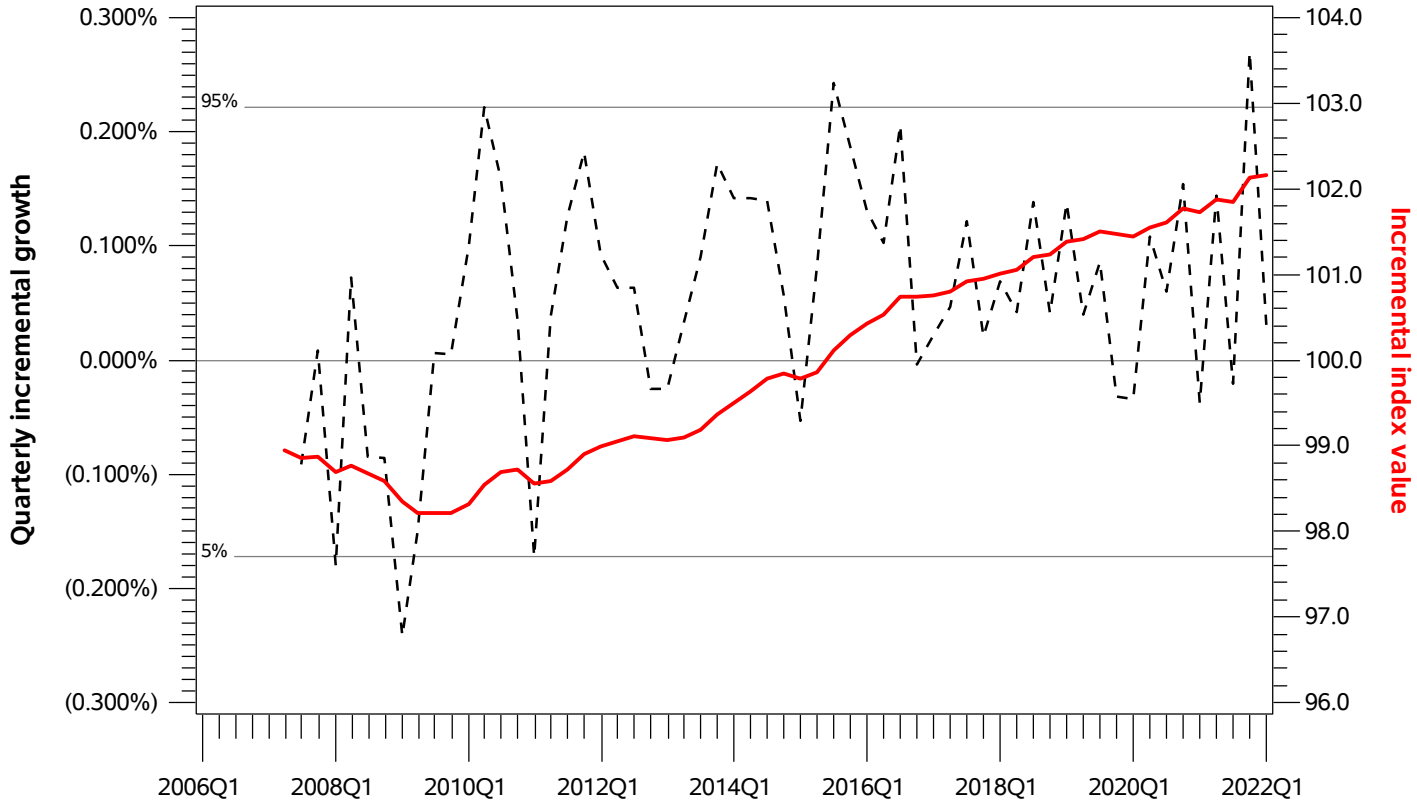


Table 32. ECI: COMP(PRIV) Trade, transportation, and utilities incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2014000000710I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-33.6750	Z_{Tau}	-4.8245
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0493	AR(1) coefficient	-0.4076
Standard error	0.0220	Standard error	0.1210
t-statistic	2.2400	t-statistic	-3.3700
Probability t	0.0290	Durbin-Watson	2.0281

Estimated incremental annual growth rate: 0.197%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.197%

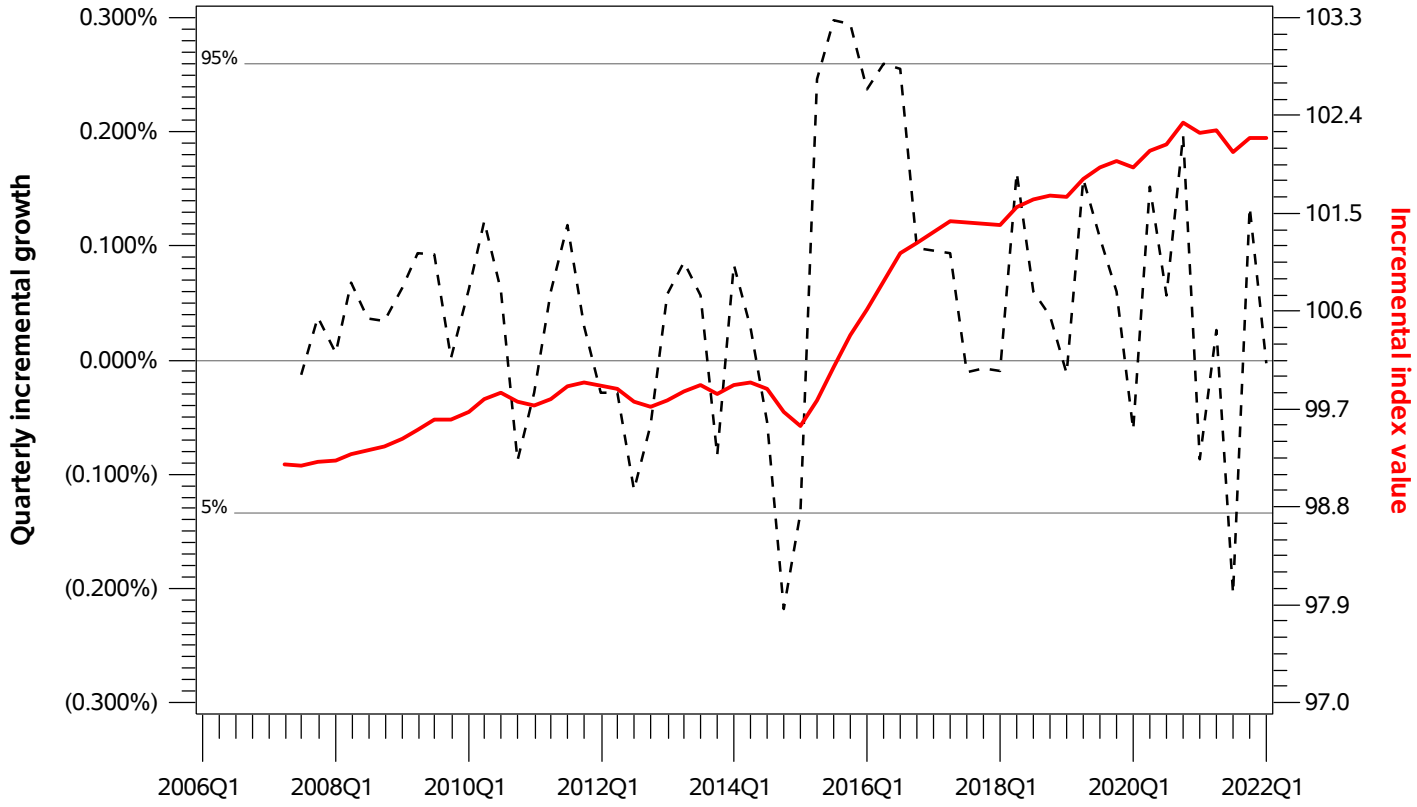


Table 33. ECI: COMP(PRIV) Wholesale trade incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2014110000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.1512	Z_{Tau}	-4.1672
Prob Z_{Rho}	0.0010	Prob Z_{Tau}	0.0016

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0375	AR(1) coefficient	-0.5401
Standard error	0.0625	Standard error	0.1115
t-statistic	-0.5997	t-statistic	-4.8455
Probability t	0.5511	Durbin-Watson	1.9786

Estimated incremental annual growth rate: (0.150%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

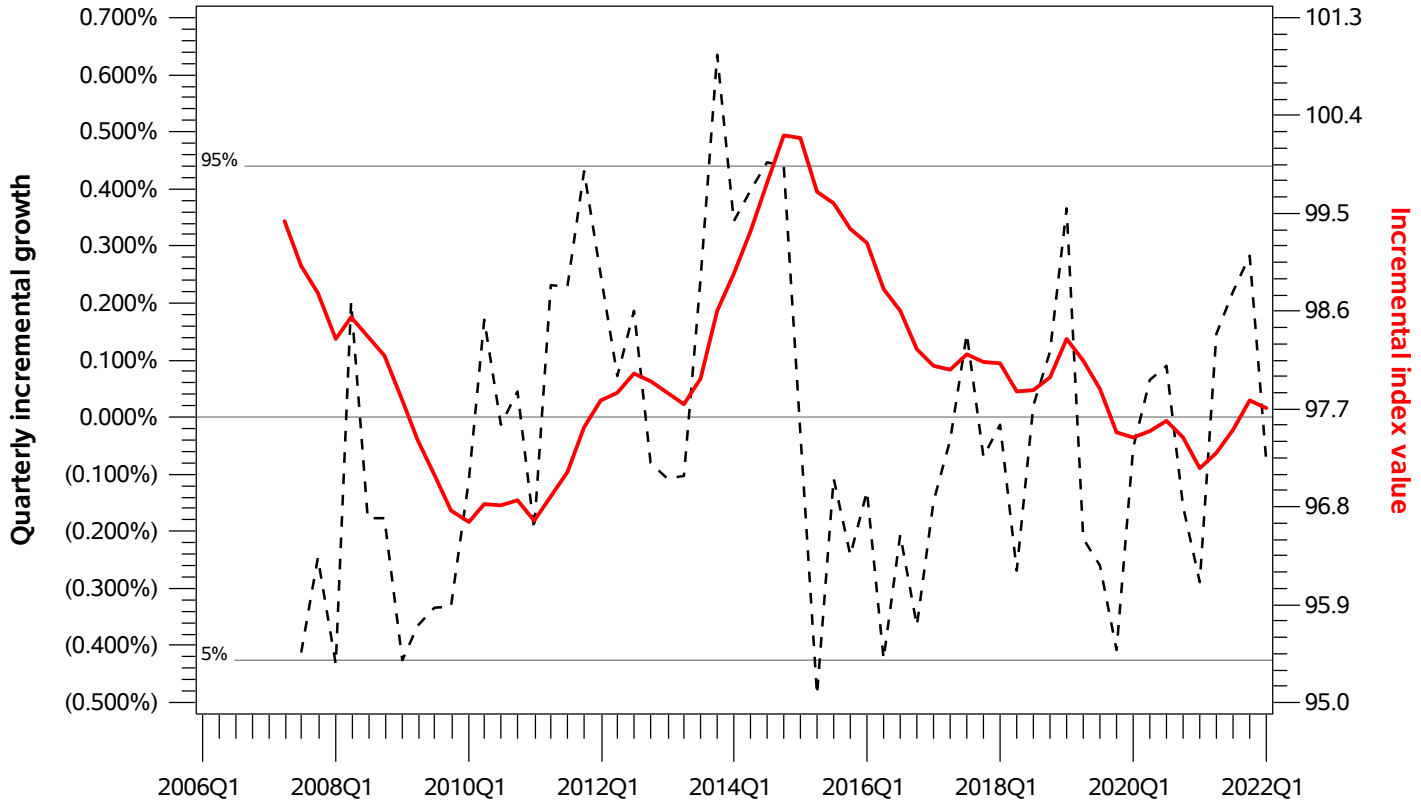


Table 34. ECI: COMP(PRIV) Wholesale trade, excluding incentive paid occupations incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2014110000710I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-32.0006	Z_{Tau}	-4.4347
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0007

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0105	AR(1) coefficient	-0.5187
Standard error	0.0348	Standard error	0.1132
t-statistic	-0.3021	t-statistic	-4.5803
Probability t	0.7637	Durbin-Watson	1.5727

Estimated incremental annual growth rate: (0.042%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

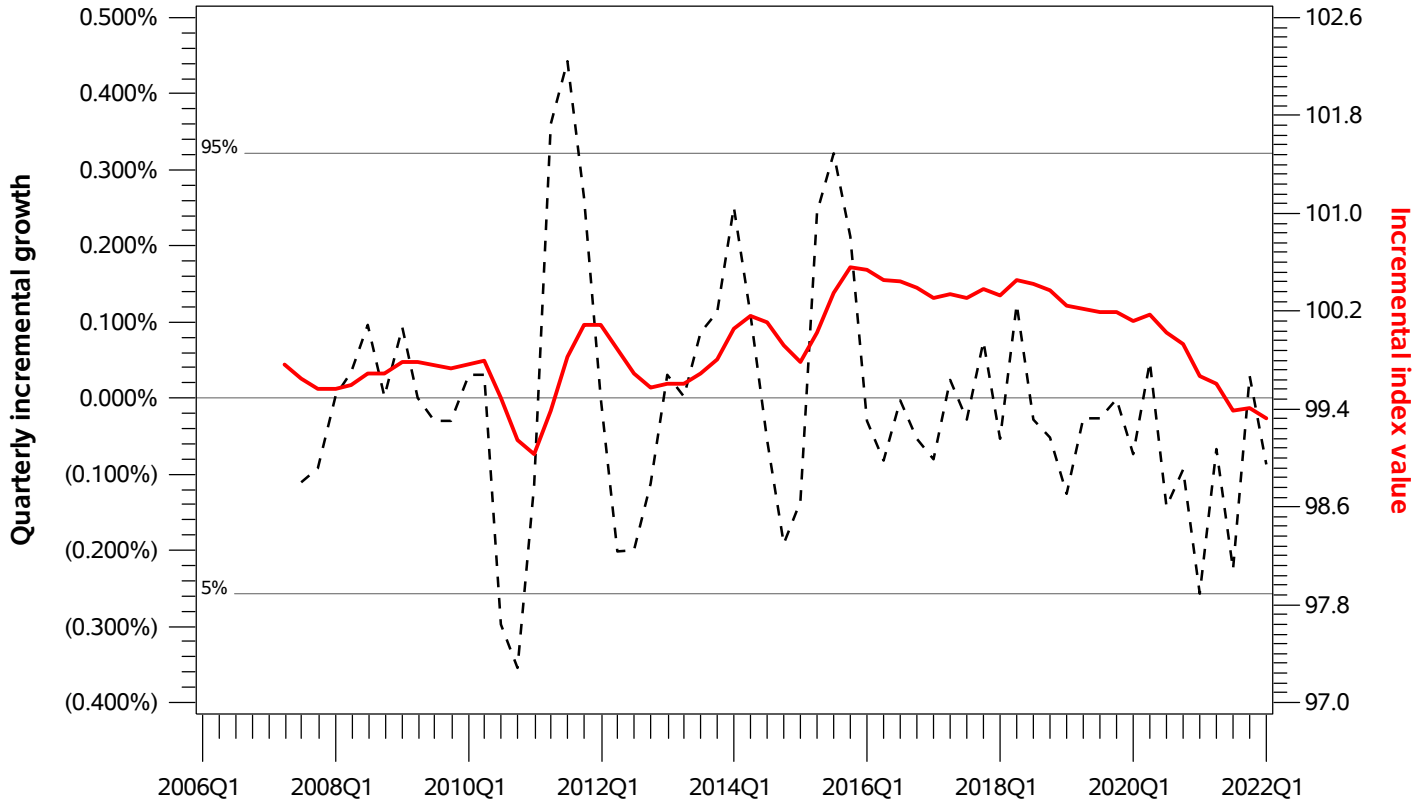


Table 35. ECI: COMP(PRIV) Retail trade incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2014120000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.6223	Z_{Tau}	-3.7753
Prob Z_{Rho}	0.0030	Prob Z_{Tau}	0.0051

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0923	AR(1) coefficient	-0.5623
Standard error	0.0479	Standard error	0.1095
t-statistic	1.9243	t-statistic	-5.1338
Probability t	0.0593	Durbin-Watson	2.2243

Estimated incremental annual growth rate: 0.370%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.370%

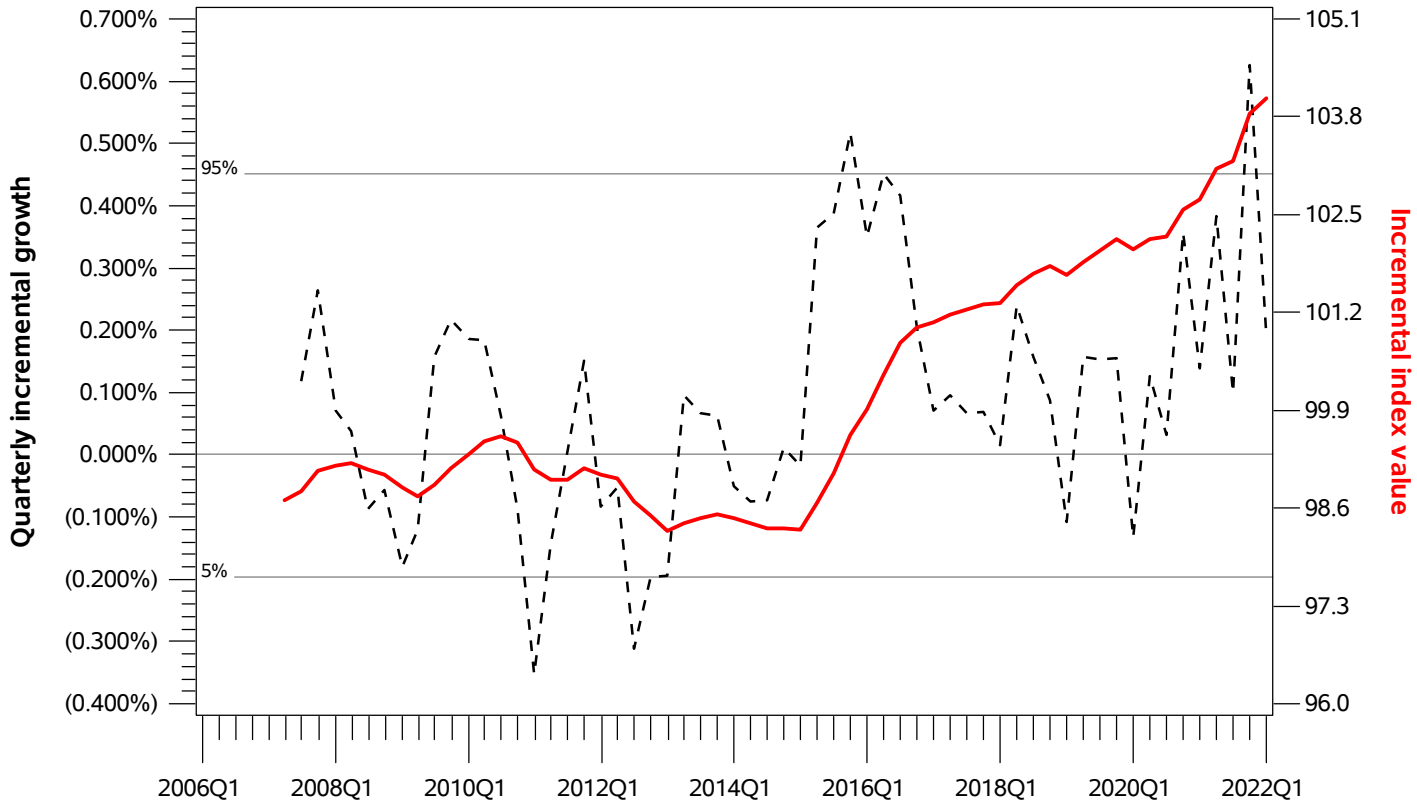


Table 36. ECI: COMP(PRIV) Retail trade, excluding incentive paid occupations incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2014120000710I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-15.3566	Z_{Tau}	-3.0039
Prob Z_{Rho}	0.0269	Prob Z_{Tau}	0.0402

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0666	AR(1) coefficient	-0.6875
Standard error	0.0567	Standard error	0.0962
t-statistic	1.1754	t-statistic	-7.1477
Probability t	0.2447	Durbin-Watson	2.3149

Estimated incremental annual growth rate: 0.267%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

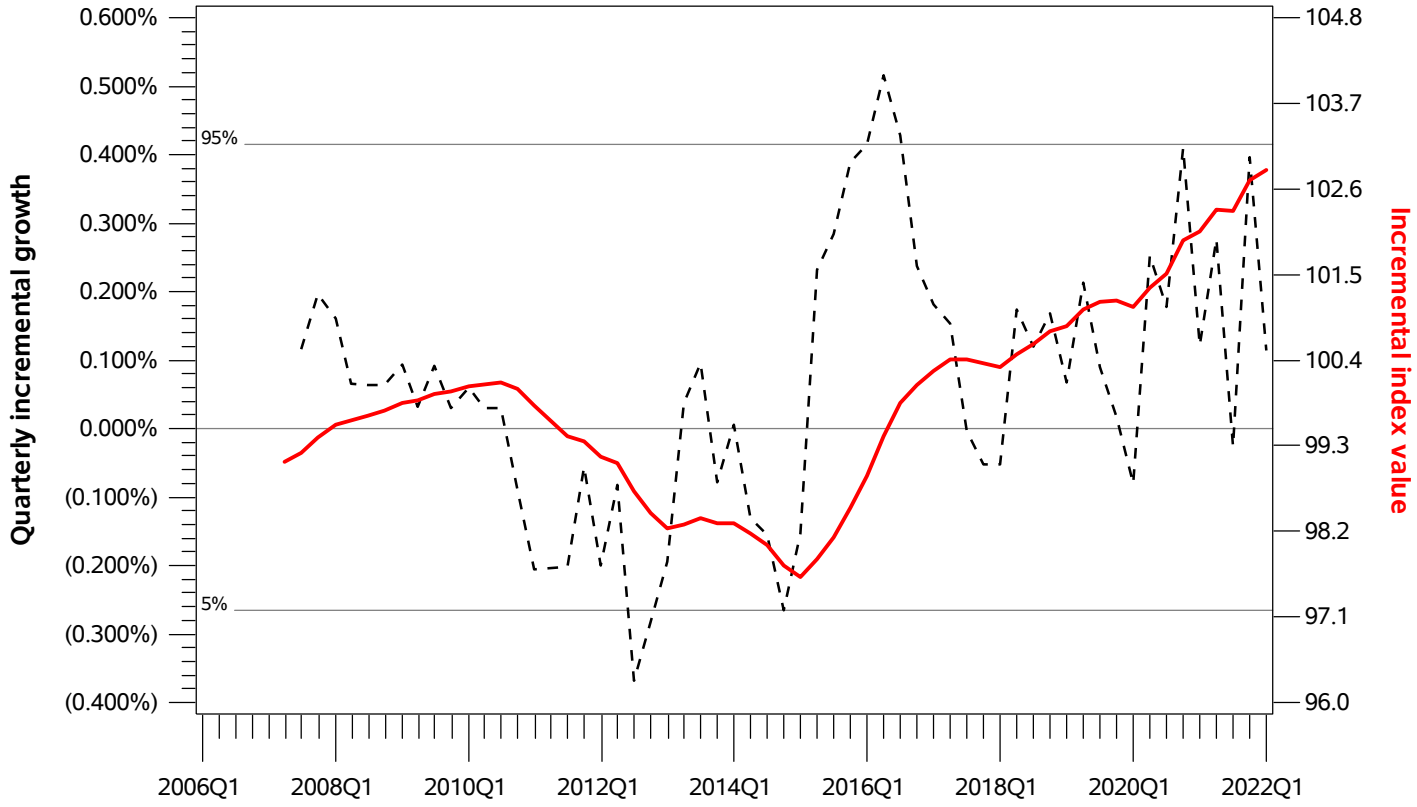


Table 37. ECI: COMP(PRIV) Transportation and warehousing incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2014300000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.7071	Z_{Tau}	-3.9380
Prob Z_{Rho}	0.0021	Prob Z_{Tau}	0.0031

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0807	AR(1) coefficient	-0.5344
Standard error	0.0437	Standard error	0.1120
t-statistic	1.8465	t-statistic	-4.7728
Probability t	0.0700	Durbin-Watson	2.2168

Estimated incremental annual growth rate: 0.323%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.323%

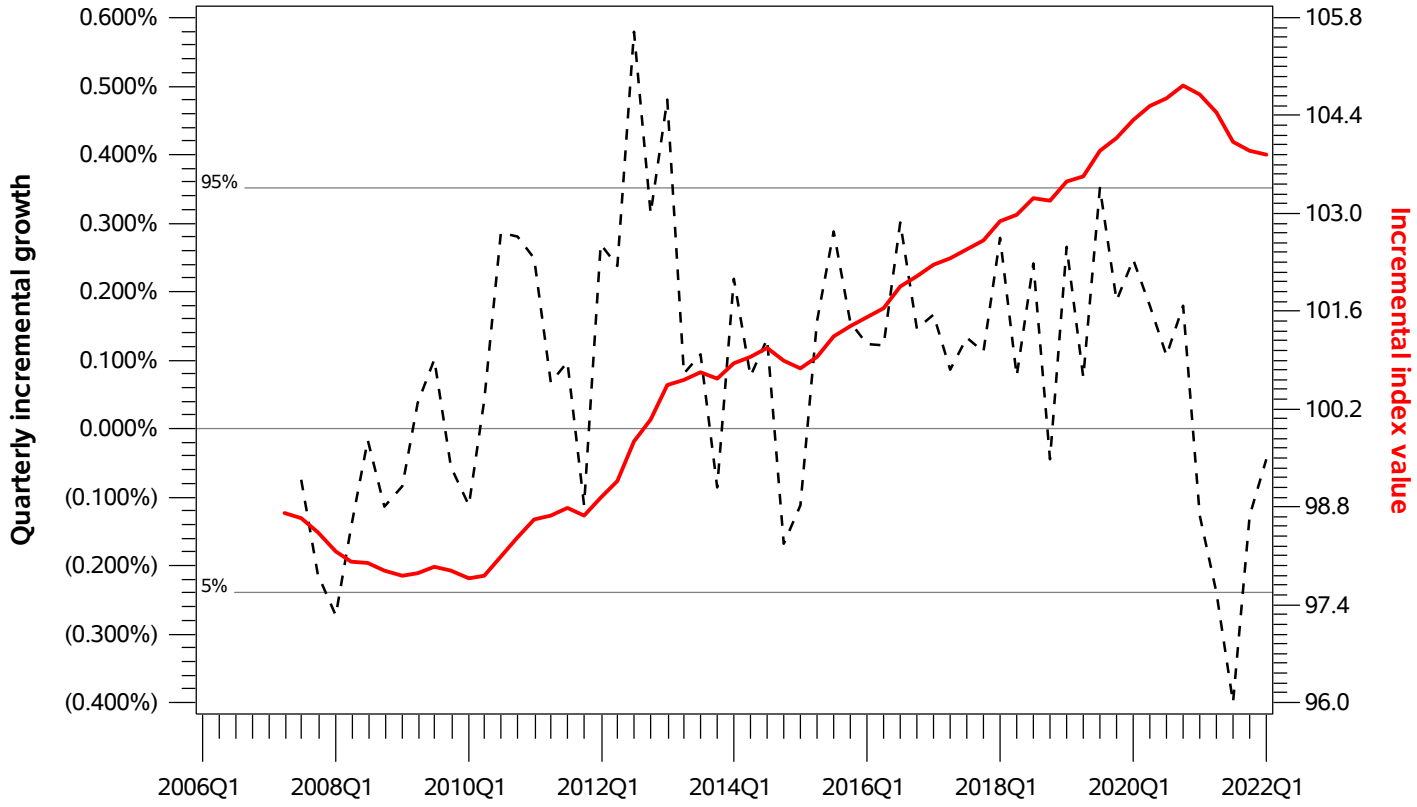


Table 38. ECI: COMP(PRIV) Utilities incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU20144000000000I and CIU201G0000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.9612	Z_{Tau}	-3.6707
Prob Z_{Rho}	0.0027	Prob Z_{Tau}	0.0069

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1515	AR(1) coefficient	-0.5889
Standard error	0.0751	Standard error	0.1071
t-statistic	2.0163	t-statistic	-5.5009
Probability t	0.0485	Durbin-Watson	1.9998

Estimated incremental annual growth rate: 0.607%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.607%

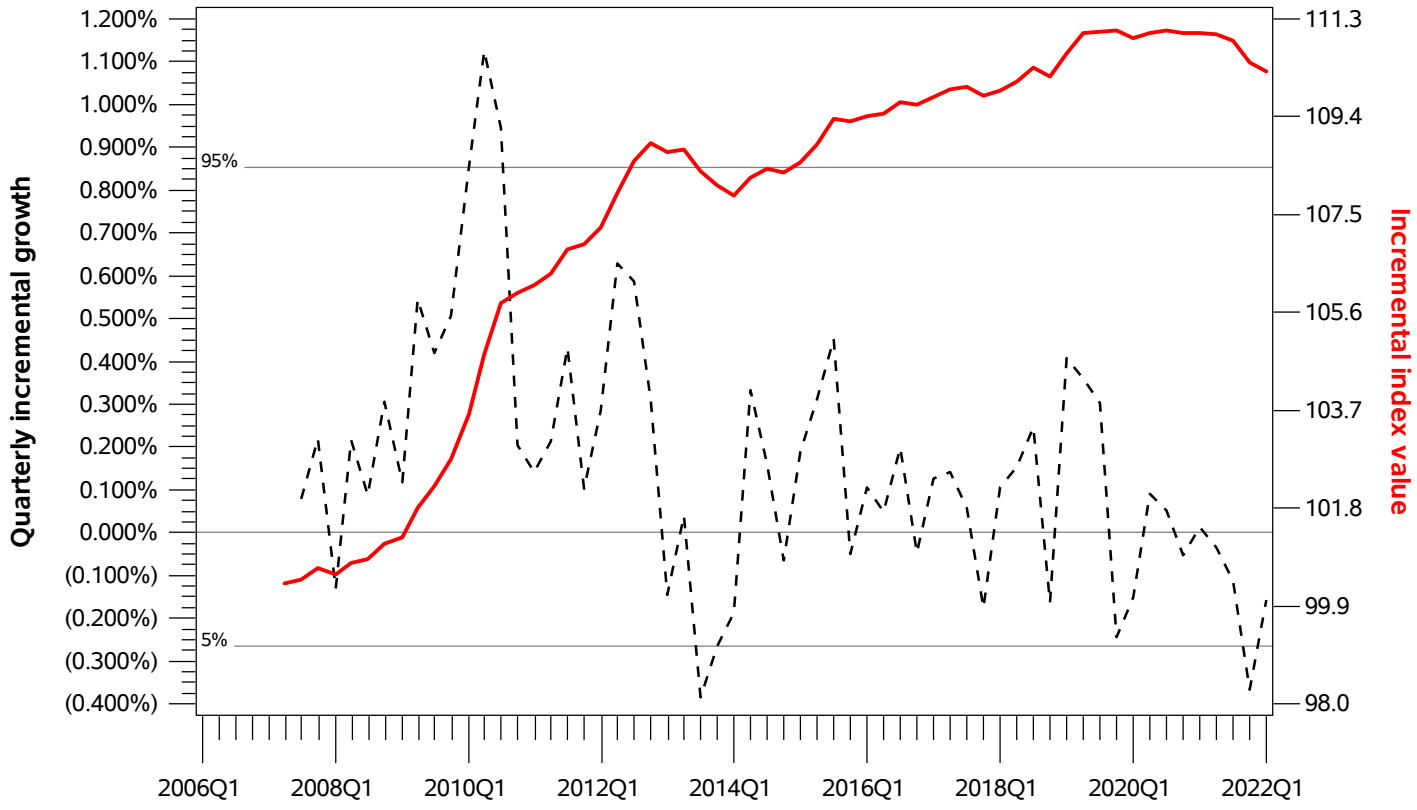


Table 39. ECI: COMP(PRIV) Information incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20151000000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.2357	Z_{Tau}	-3.8836
Prob Z_{Rho}	0.0010	Prob Z_{Tau}	0.0037

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0541	AR(1) coefficient	-0.6222
Standard error	0.1114	Standard error	0.1037
t-statistic	-0.4852	t-statistic	-6.0009
Probability t	0.6294	Durbin-Watson	1.4979

Estimated incremental annual growth rate: (0.216%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

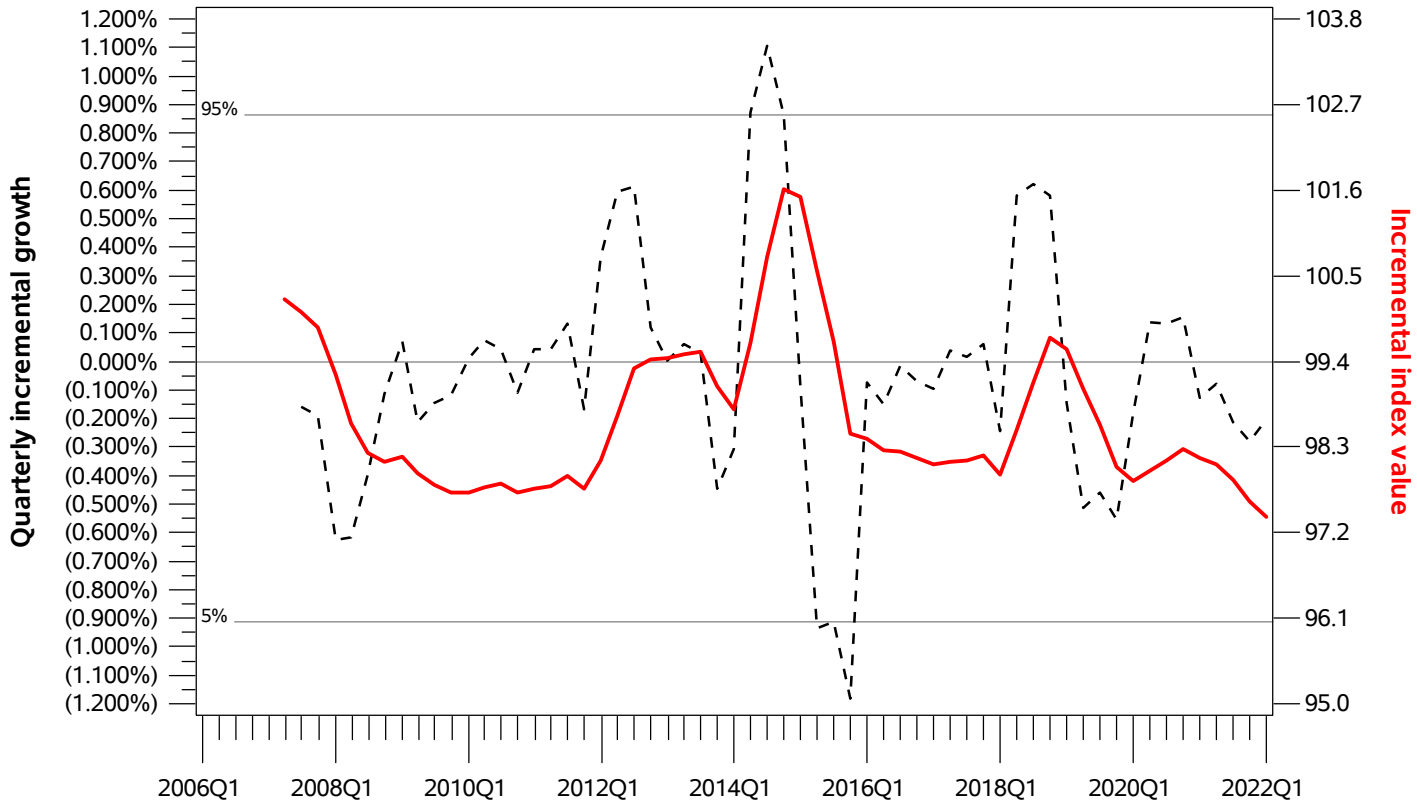


Table 40. ECI: COMP(PRIV) Finance and insurance incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015200000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-45.1938	Z_{Tau}	-5.9727
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0070	AR(1) coefficient	-0.2128
Standard error	0.0505	Standard error	0.1294
t-statistic	-0.1387	t-statistic	-1.6439
Probability t	0.8902	Durbin-Watson	2.0025

Estimated incremental annual growth rate: (0.028%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

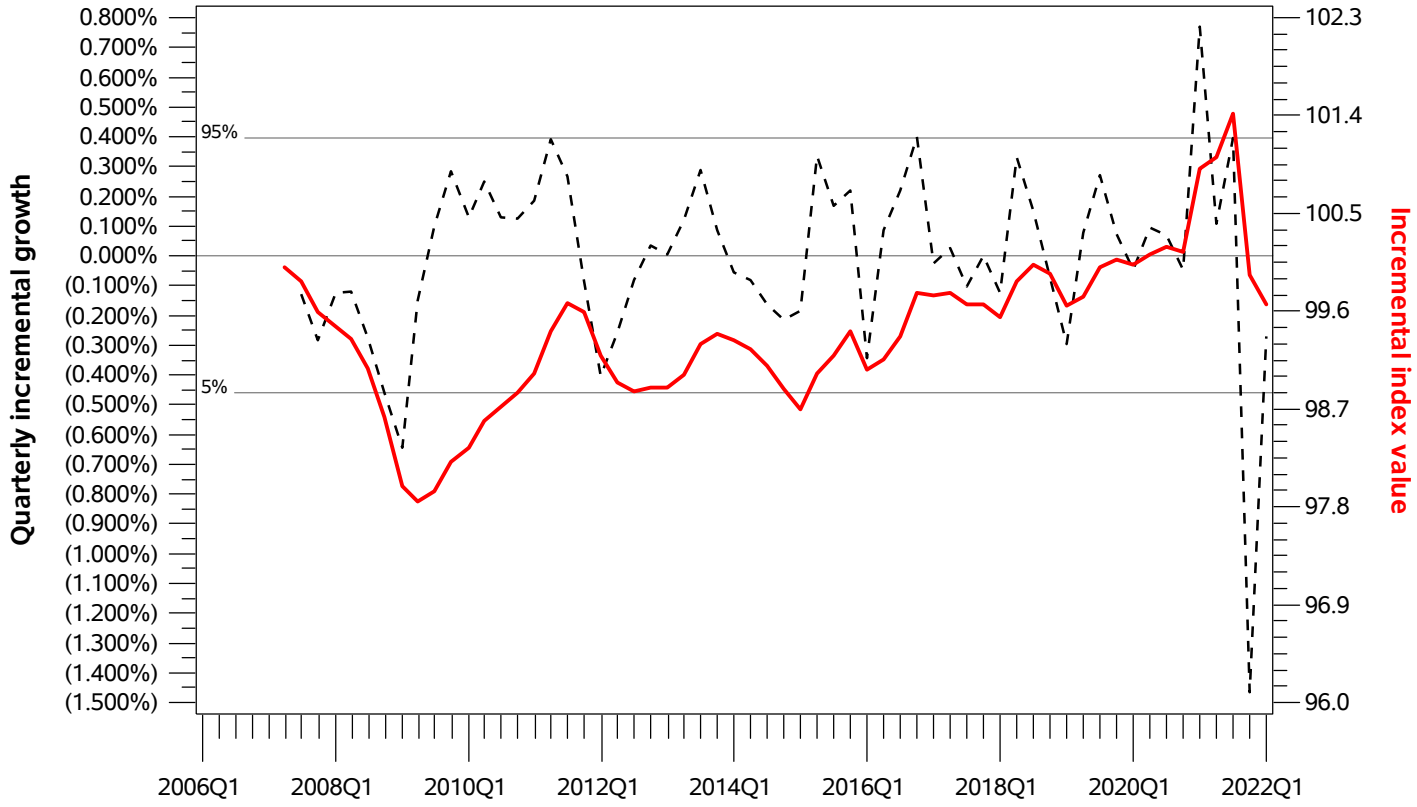


Table 41. ECI: COMP(PRIV) Financial activities incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201520A000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-44.1211	Z_{Tau}	-5.8603
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0111	AR(1) coefficient	-0.2299
Standard error	0.0431	Standard error	0.1289
t-statistic	-0.2586	t-statistic	-1.7834
Probability t	0.7969	Durbin-Watson	2.0025

Estimated incremental annual growth rate: (0.045%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

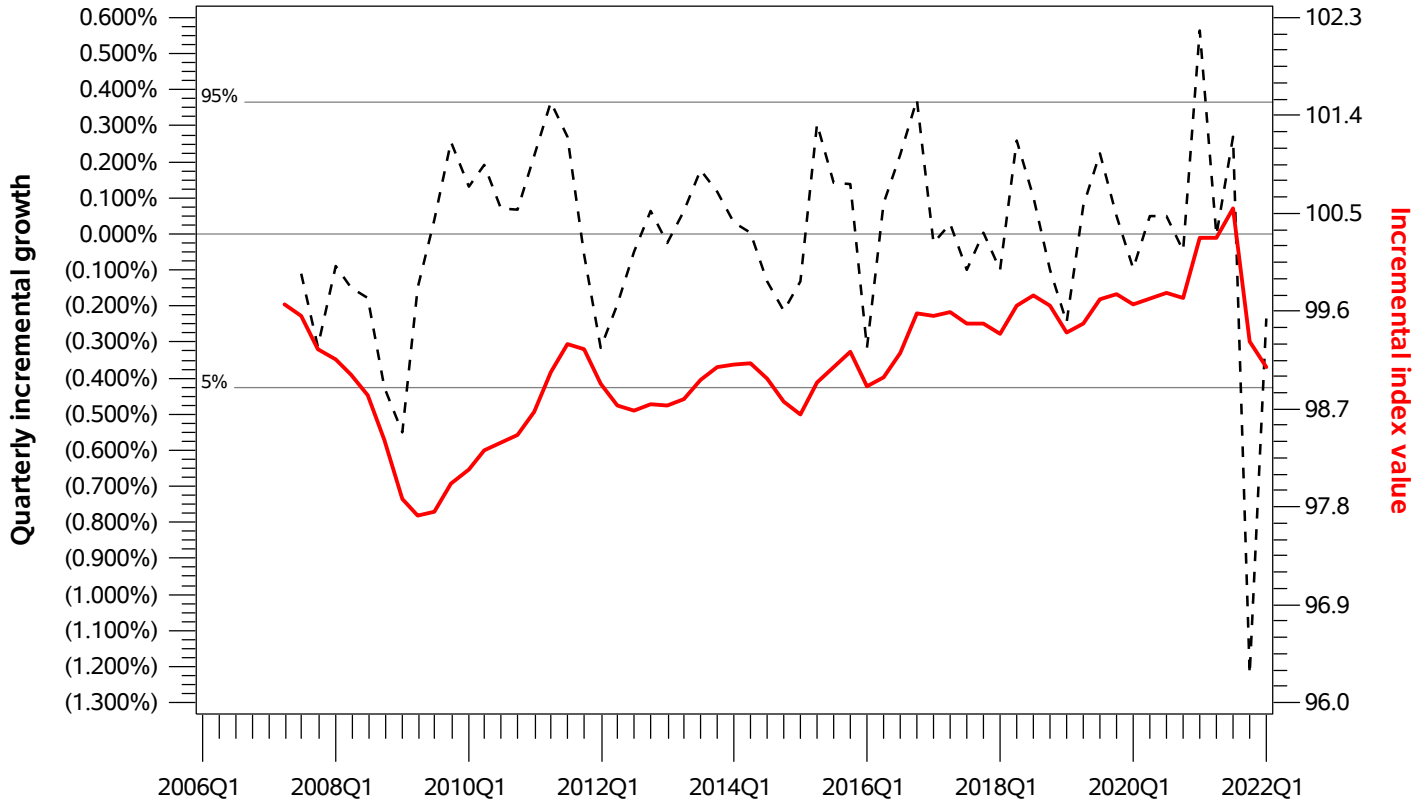


Table 42. ECI: COMP(PRIV) Financial activities, excluding incentive paid occupations incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201520A000710I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.1969	Z_{Tau}	-3.9708
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0028

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0387	AR(1) coefficient	-0.5610
Standard error	0.0390	Standard error	0.1096
t-statistic	-0.9924	t-statistic	-5.1161
Probability t	0.3252	Durbin-Watson	1.4938

Estimated incremental annual growth rate: (0.155%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

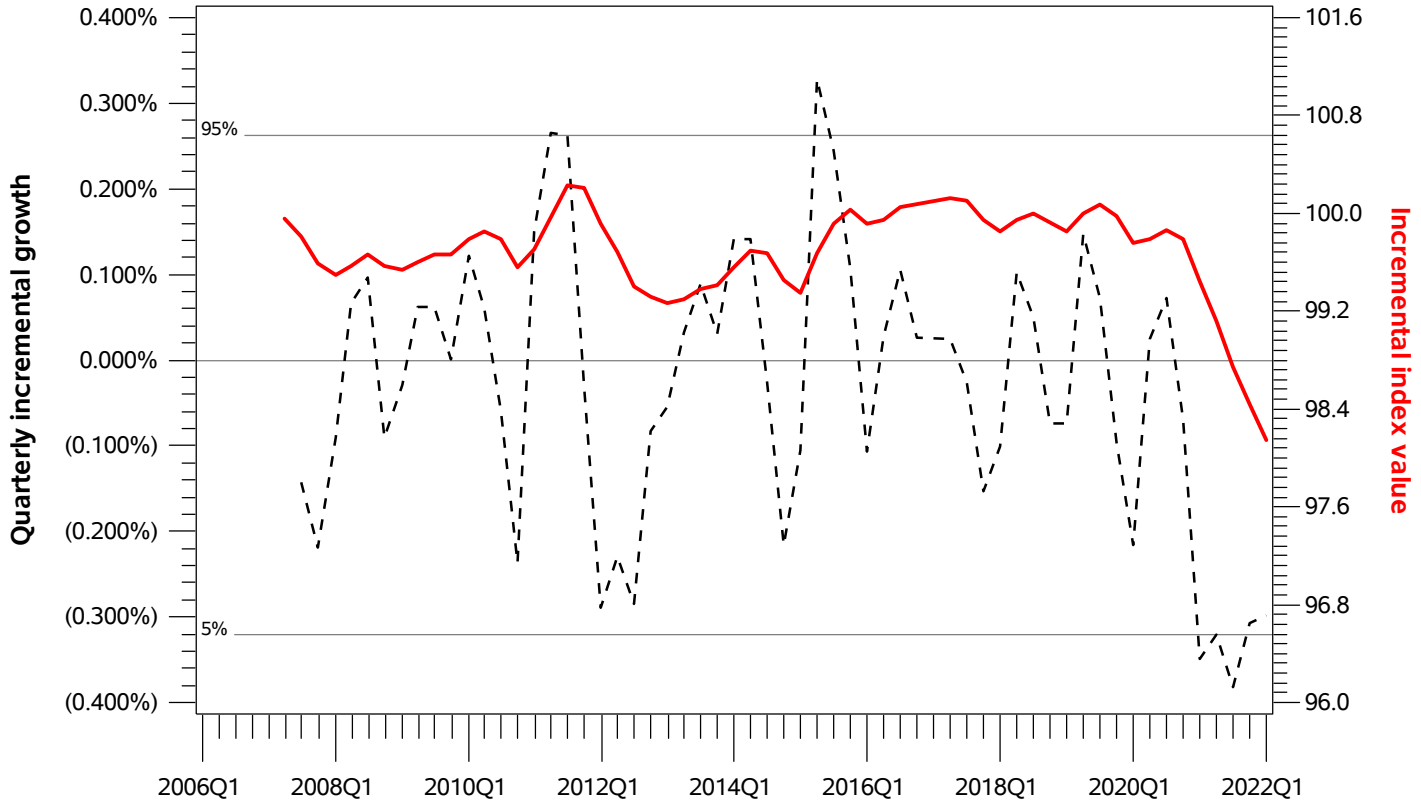


Table 43. ECI: COMP(PRIV) Credit intermediation and related activities incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015220000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-31.9248	Z_{Tau}	-4.4779
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0006

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0515	AR(1) coefficient	-0.4603
Standard error	0.0726	Standard error	0.1176
t-statistic	0.7092	t-statistic	-3.9148
Probability t	0.4811	Durbin-Watson	1.6730

Estimated incremental annual growth rate: 0.206%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

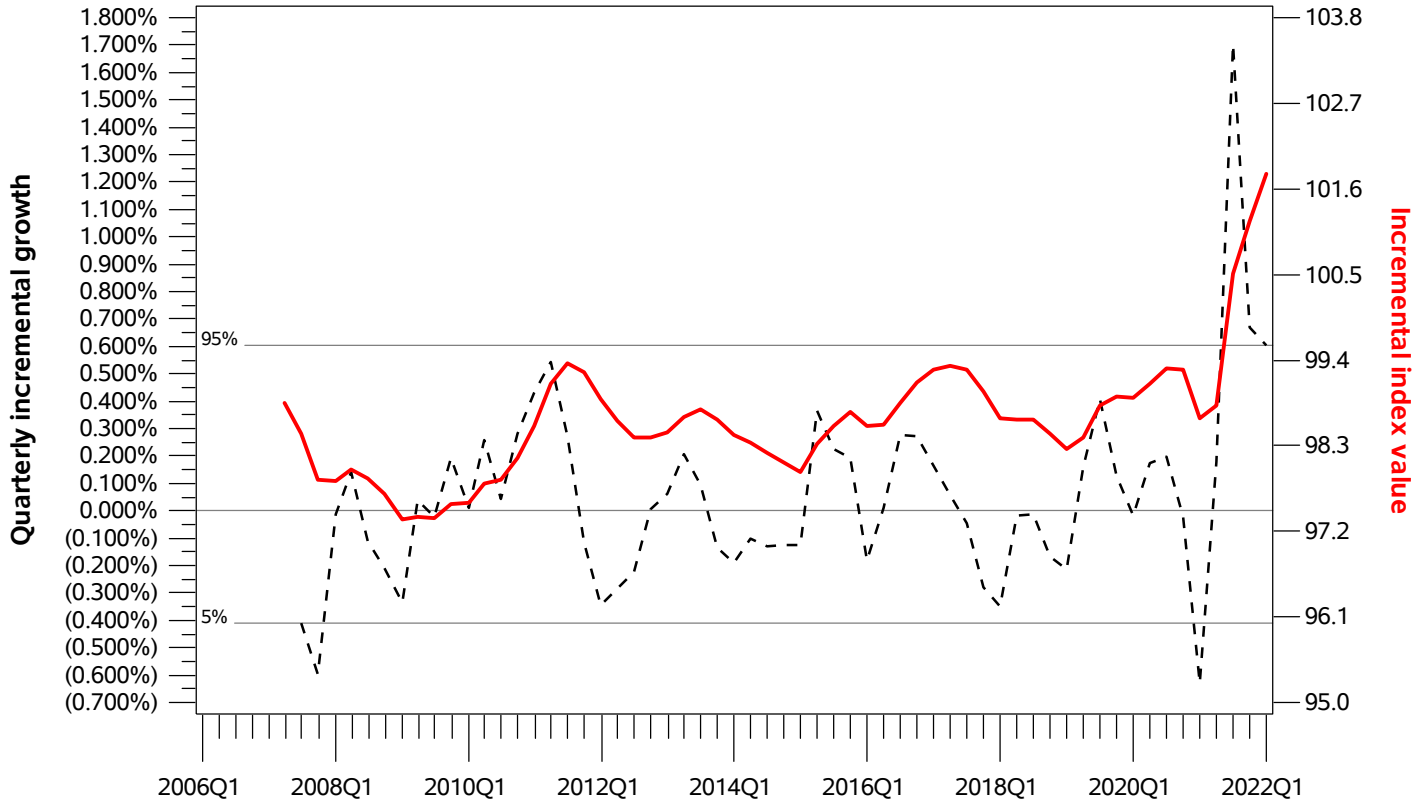


Table 44. ECI: COMP(PRIV) Credit intermediation and related, excluding incentive paid incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015220000710I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.5097	Z_{Tau}	-3.7499
Prob Z_{Rho}	0.0012	Prob Z_{Tau}	0.0055

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0121	AR(1) coefficient	-0.5942
Standard error	0.0517	Standard error	0.1065
t-statistic	-0.2337	t-statistic	-5.5768
Probability t	0.8161	Durbin-Watson	1.5935

Estimated incremental annual growth rate: (0.048%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

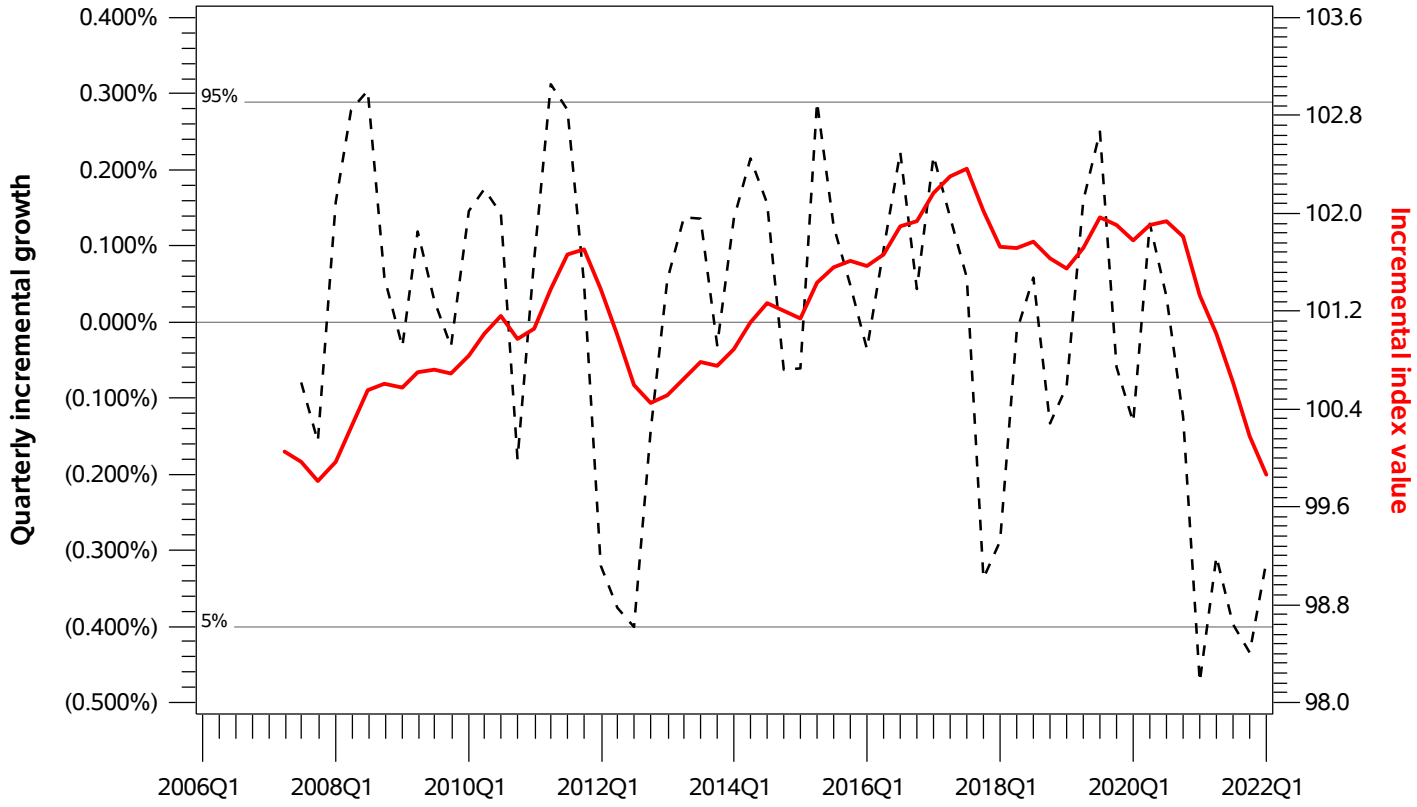


Table 45. ECI: COMP(PRIV) Insurance carriers and related activities incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015240000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-32.1984	Z_{Tau}	-4.4283
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0007

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0110	AR(1) coefficient	-0.4616
Standard error	0.0502	Standard error	0.1175
t-statistic	-0.2198	t-statistic	-3.9289
Probability t	0.8268	Durbin-Watson	1.7743

Estimated incremental annual growth rate: (0.044%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

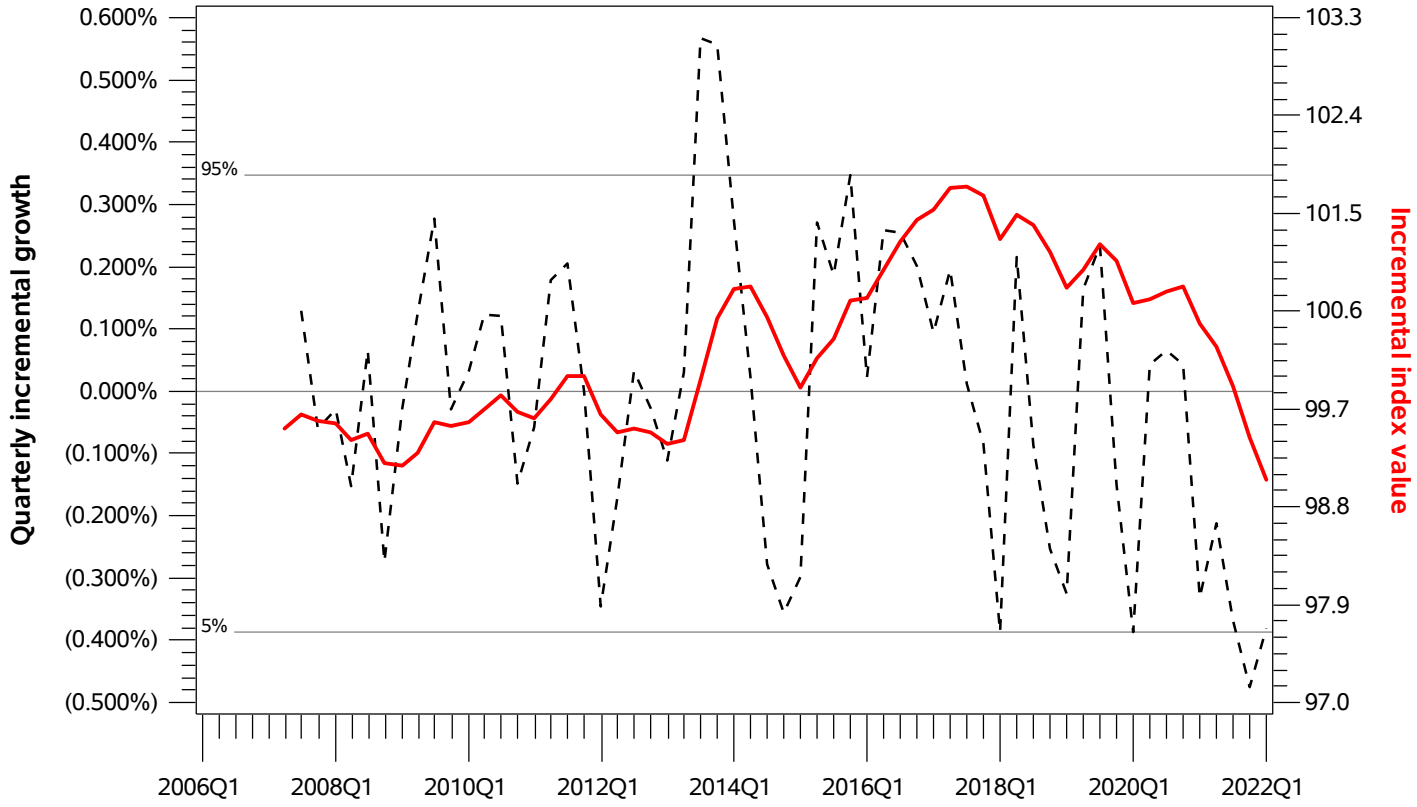


Table 46. ECI: COMP(PRIV) Insurance carriers and related, excluding incentive paid incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015240000710I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.8052	Z_{Tau}	-4.0841
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0020

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0310	AR(1) coefficient	-0.5110
Standard error	0.0466	Standard error	0.1139
t-statistic	-0.6654	t-statistic	-4.4884
Probability t	0.5085	Durbin-Watson	1.7335

Estimated incremental annual growth rate: (0.124%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

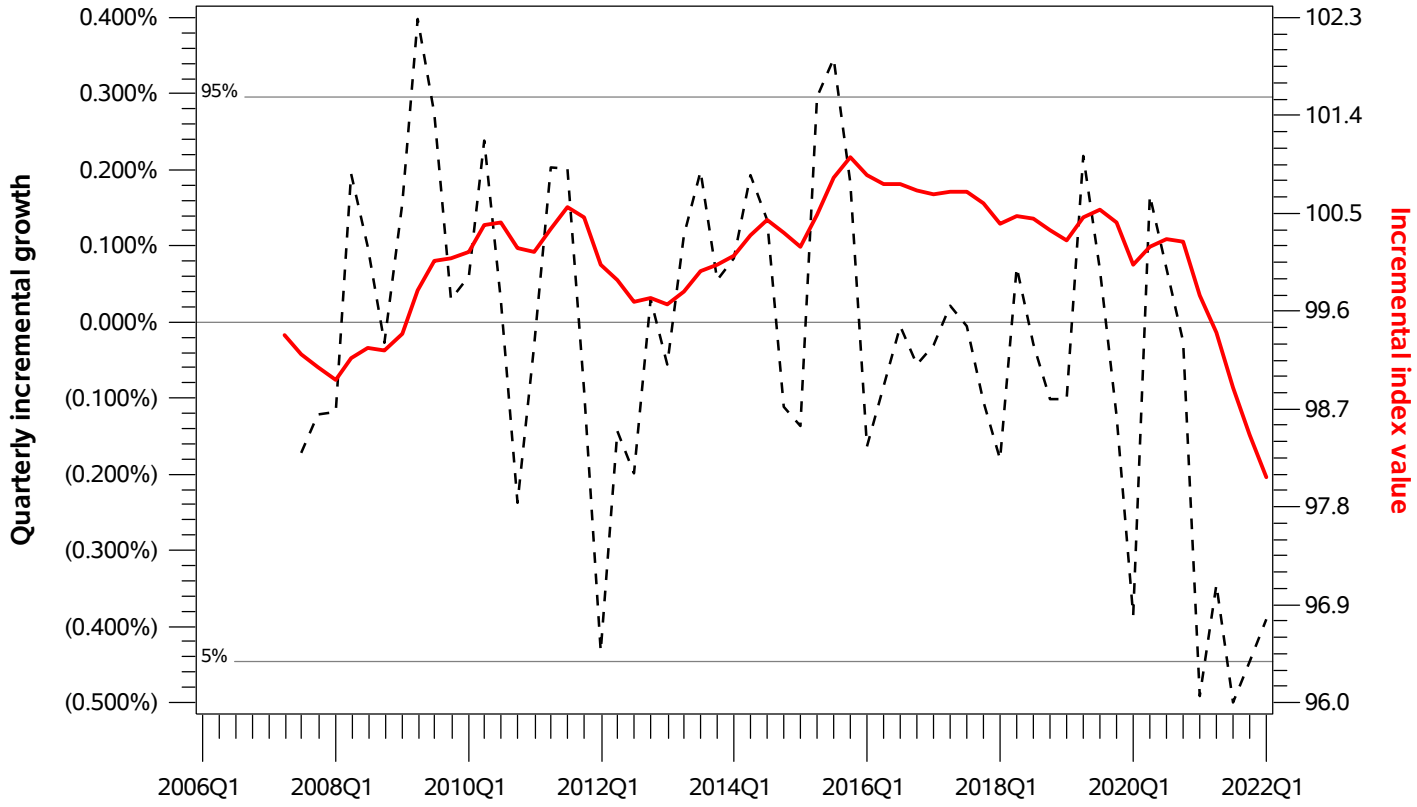


Table 47. ECI: COMP(PRIV) Real estate and rental and leasing incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015300000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-32.7445	Z_{Tau}	-4.5739
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0235	AR(1) coefficient	-0.4783
Standard error	0.0433	Standard error	0.1163
t-statistic	-0.5425	t-statistic	-4.1122
Probability t	0.5896	Durbin-Watson	1.7970

Estimated incremental annual growth rate: (0.094%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

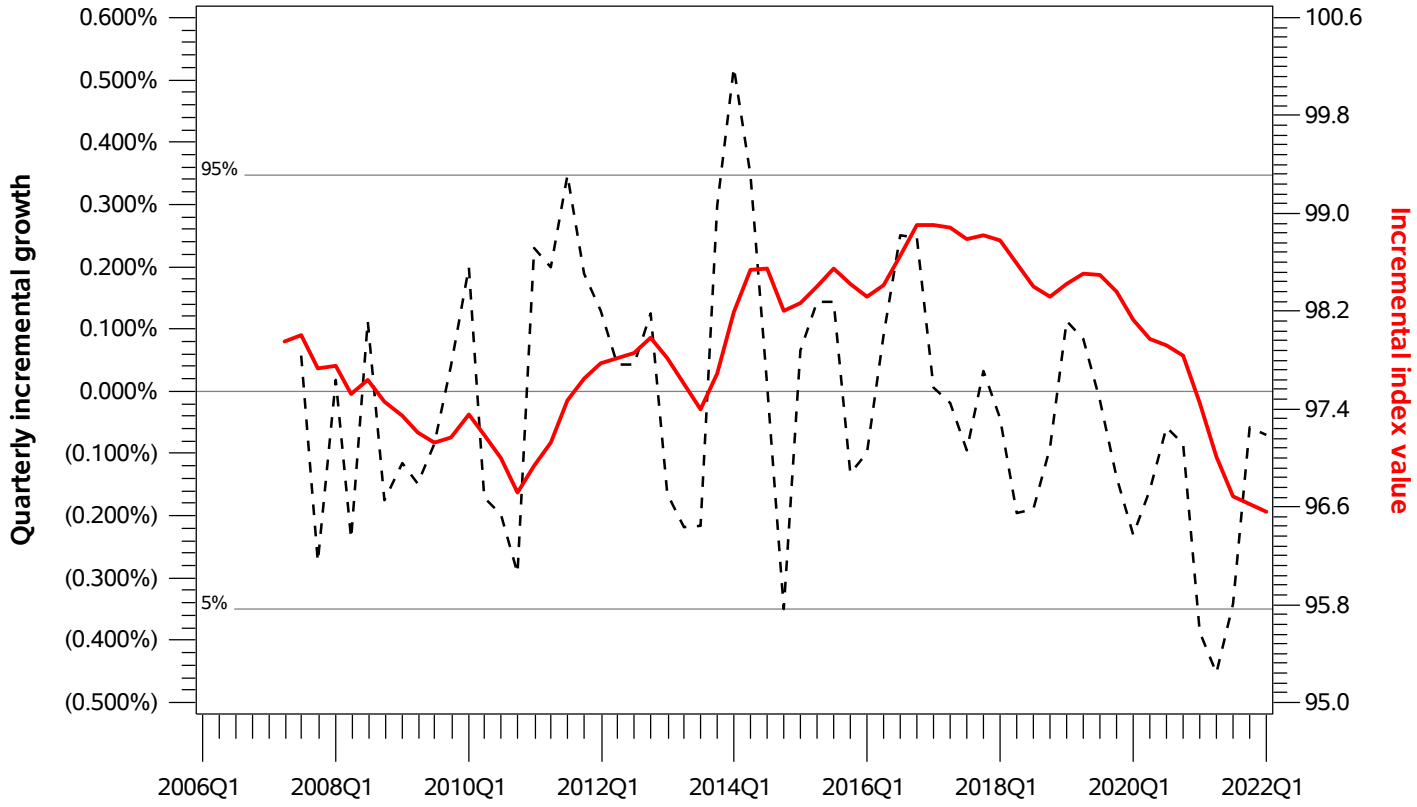


Table 48. ECI: COMP(PRIV) Real estate and rental and leasing, excluding incentive paid incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015300000710I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-30.1772	Z_{Tau}	-4.3338
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0009

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0148	AR(1) coefficient	-0.5206
Standard error	0.0397	Standard error	0.1131
t-statistic	-0.3738	t-statistic	-4.6034
Probability t	0.7099	Durbin-Watson	1.7099

Estimated incremental annual growth rate: (0.059%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

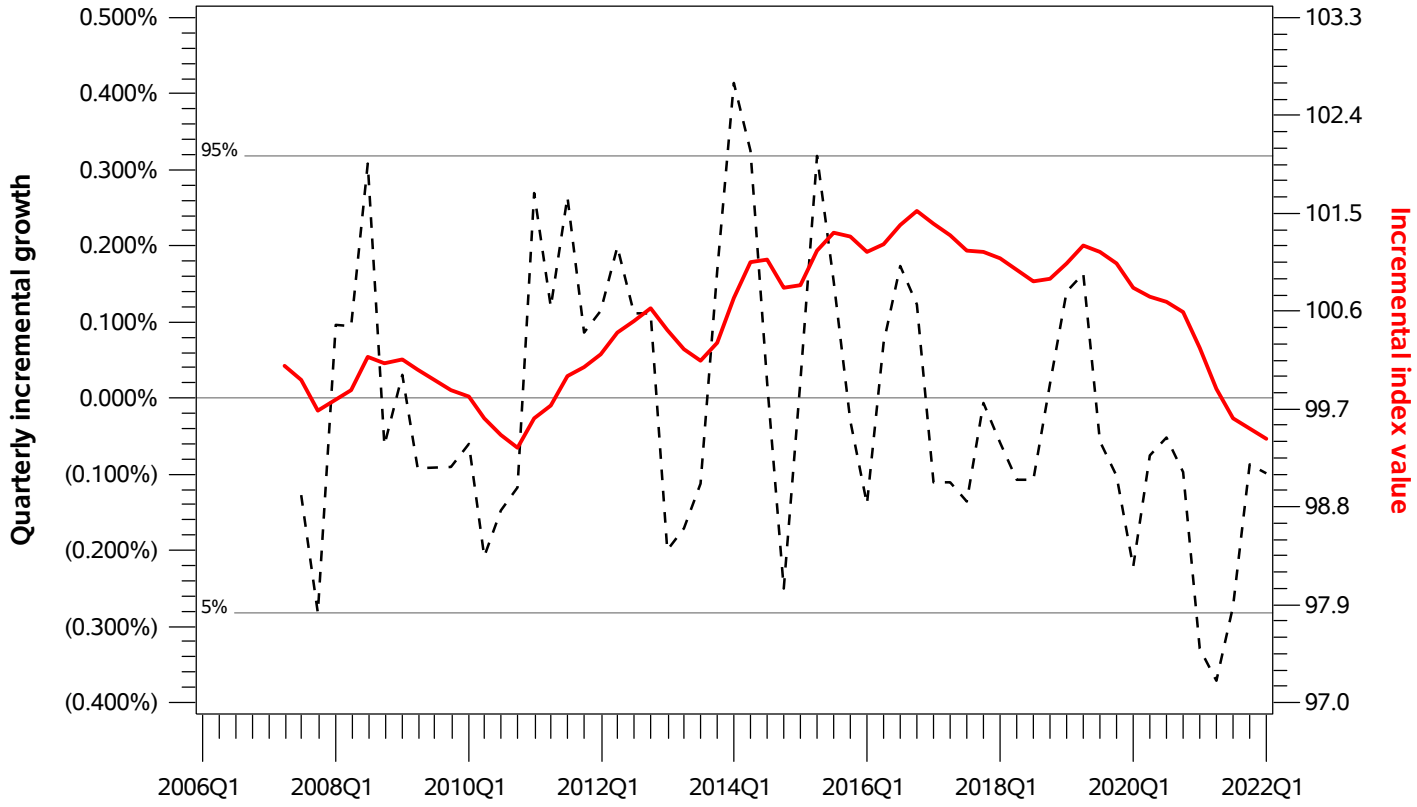


Table 49. ECI: COMP(PRIV) Professional, scientific, and technical services incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015400000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-33.9351	Z_{Tau}	-4.9439
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0230	AR(1) coefficient	-0.3815
Standard error	0.0377	Standard error	0.1224
t-statistic	-0.6095	t-statistic	-3.1158
Probability t	0.5446	Durbin-Watson	2.1236

Estimated incremental annual growth rate: (0.092%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

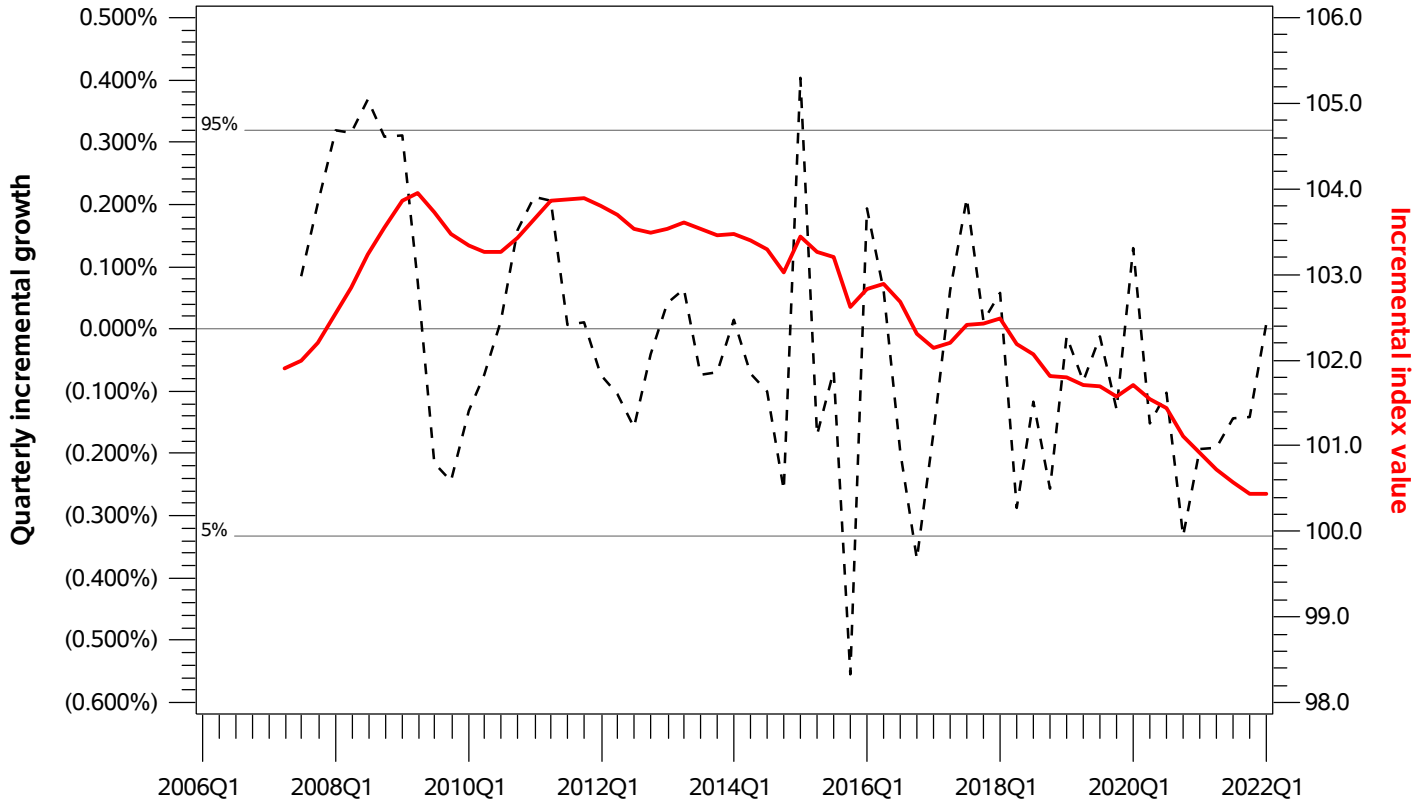


Table 50. ECI: COMP(PRIV) Professional and business services incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201540A000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.8522	Z_{Tau}	-3.7959
Prob Z_{Rho}	0.0021	Prob Z_{Tau}	0.0048

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0165	AR(1) coefficient	-0.6058
Standard error	0.0342	Standard error	0.1054
t-statistic	-0.4823	t-statistic	-5.7482
Probability t	0.6315	Durbin-Watson	1.8516

Estimated incremental annual growth rate: (0.066%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

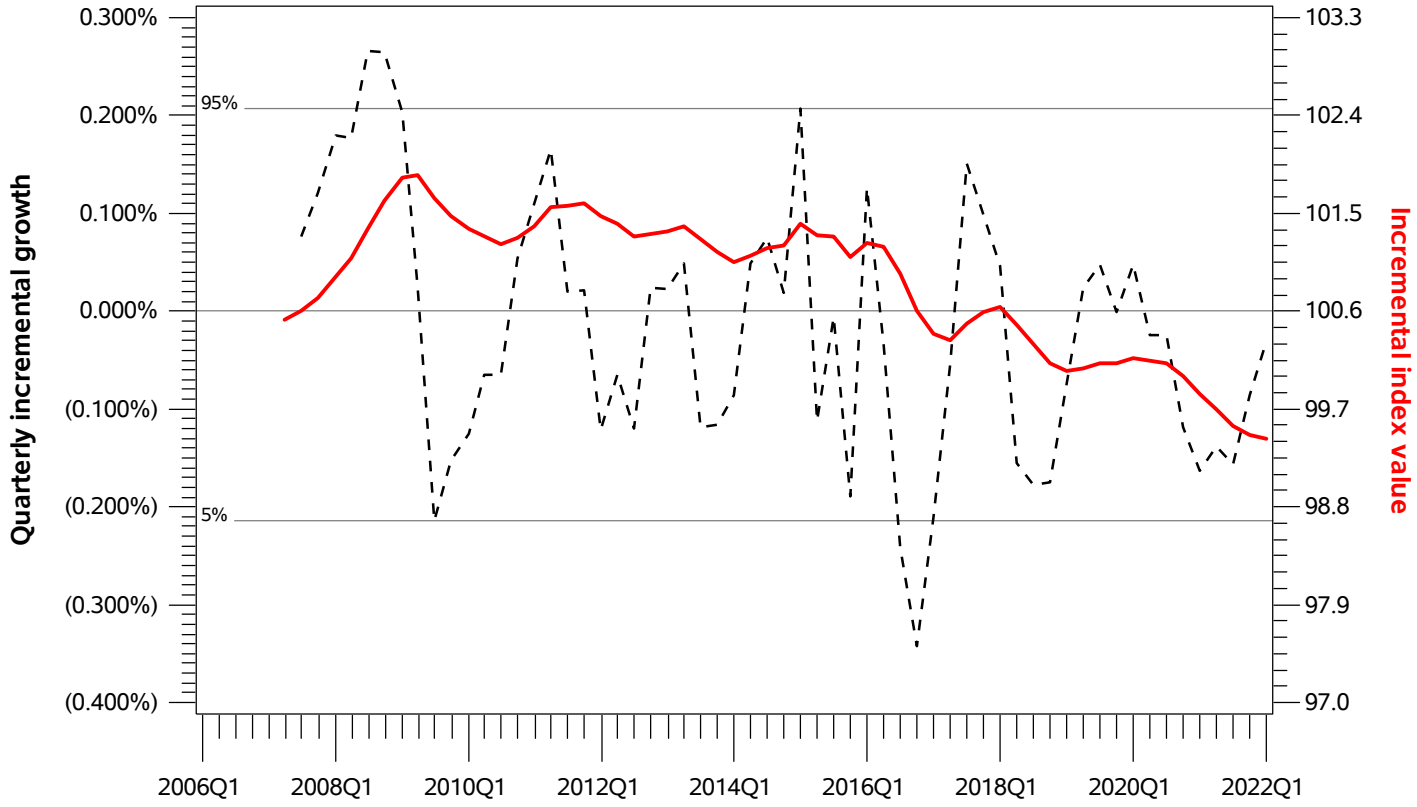


Table 51. ECI: COMP(PRIV) Administrative and support and waste management and remediation services incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2015600000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-31.3705	Z_{Tau}	-4.5123
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0006

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0103	AR(1) coefficient	-0.4734
Standard error	0.0461	Standard error	0.1167
t-statistic	-0.2242	t-statistic	-4.0570
Probability t	0.8234	Durbin-Watson	1.9232

Estimated incremental annual growth rate: (0.041%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

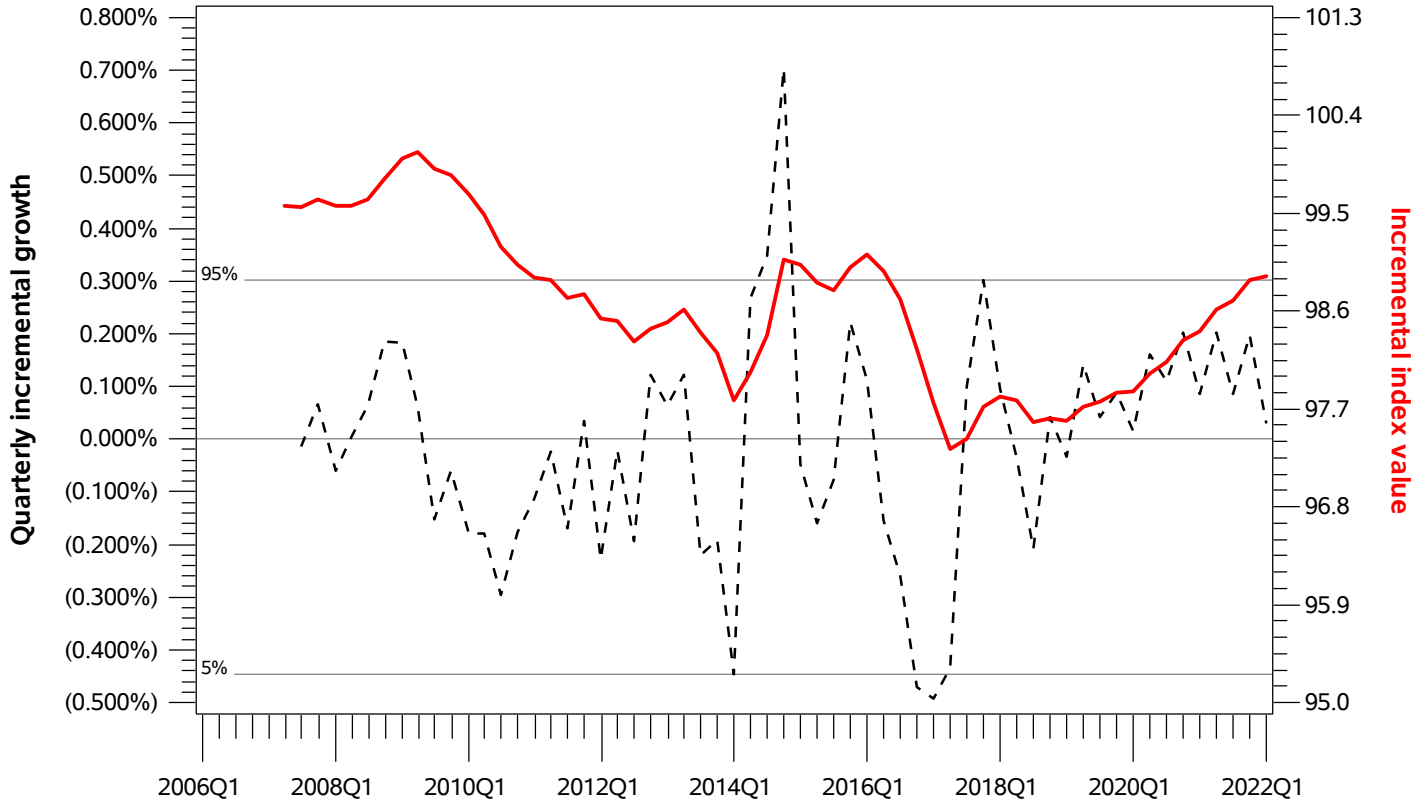


Table 52. ECI: COMP(PRIV) Education and health services incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2016000000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.9800	Z_{Tau}	-4.3918
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0008

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0424	AR(1) coefficient	-0.4905
Standard error	0.0269	Standard error	0.1154
t-statistic	-1.5732	t-statistic	-4.2496
Probability t	0.1212	Durbin-Watson	1.9059

Estimated incremental annual growth rate: (0.169%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

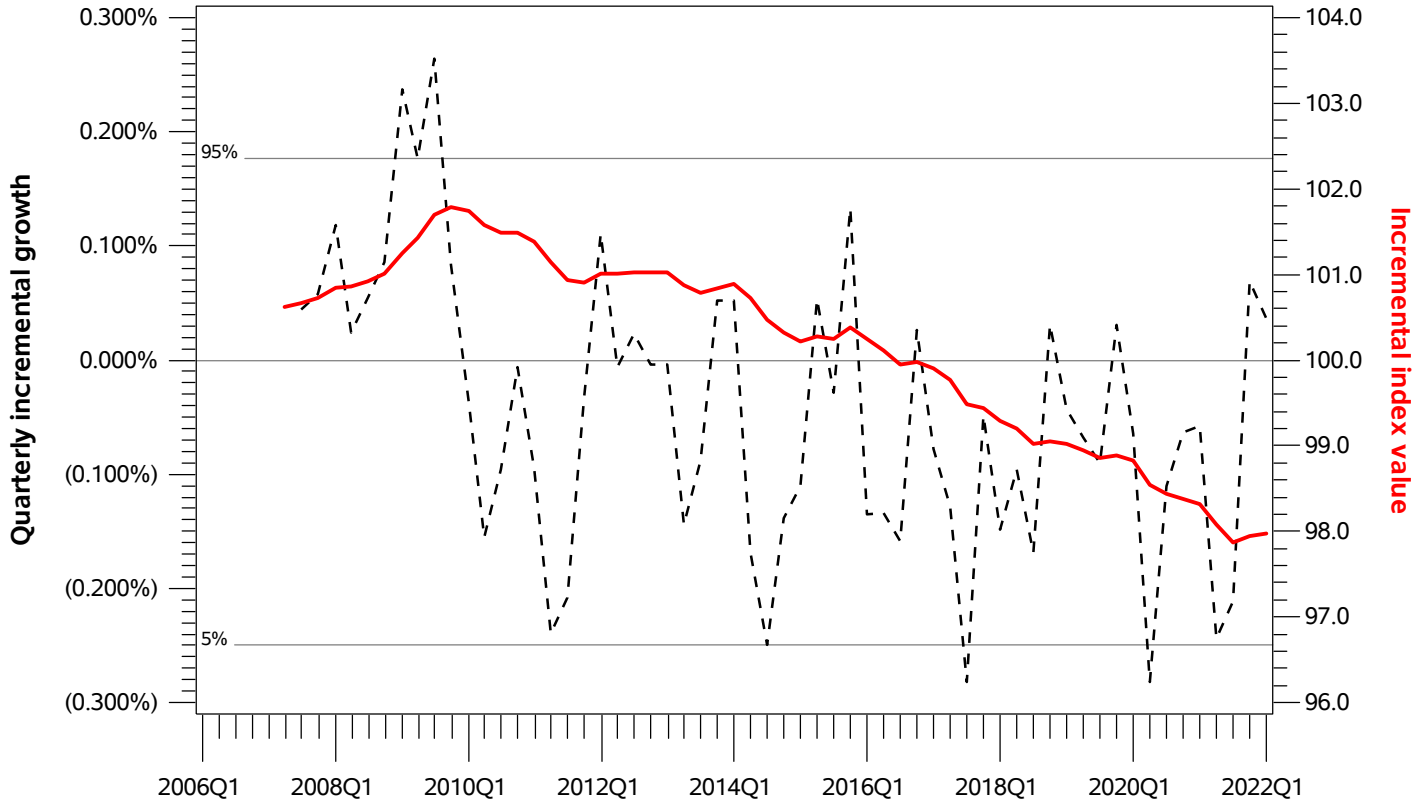


Table 53. ECI: COMP(PRIV) Education services incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2016100000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-34.1923	Z_{Tau}	-4.7918
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0003

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0445	AR(1) coefficient	-0.4382
Standard error	0.0469	Standard error	0.1191
t-statistic	-0.9493	t-statistic	-3.6810
Probability t	0.3465	Durbin-Watson	1.7765

Estimated incremental annual growth rate: (0.178%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

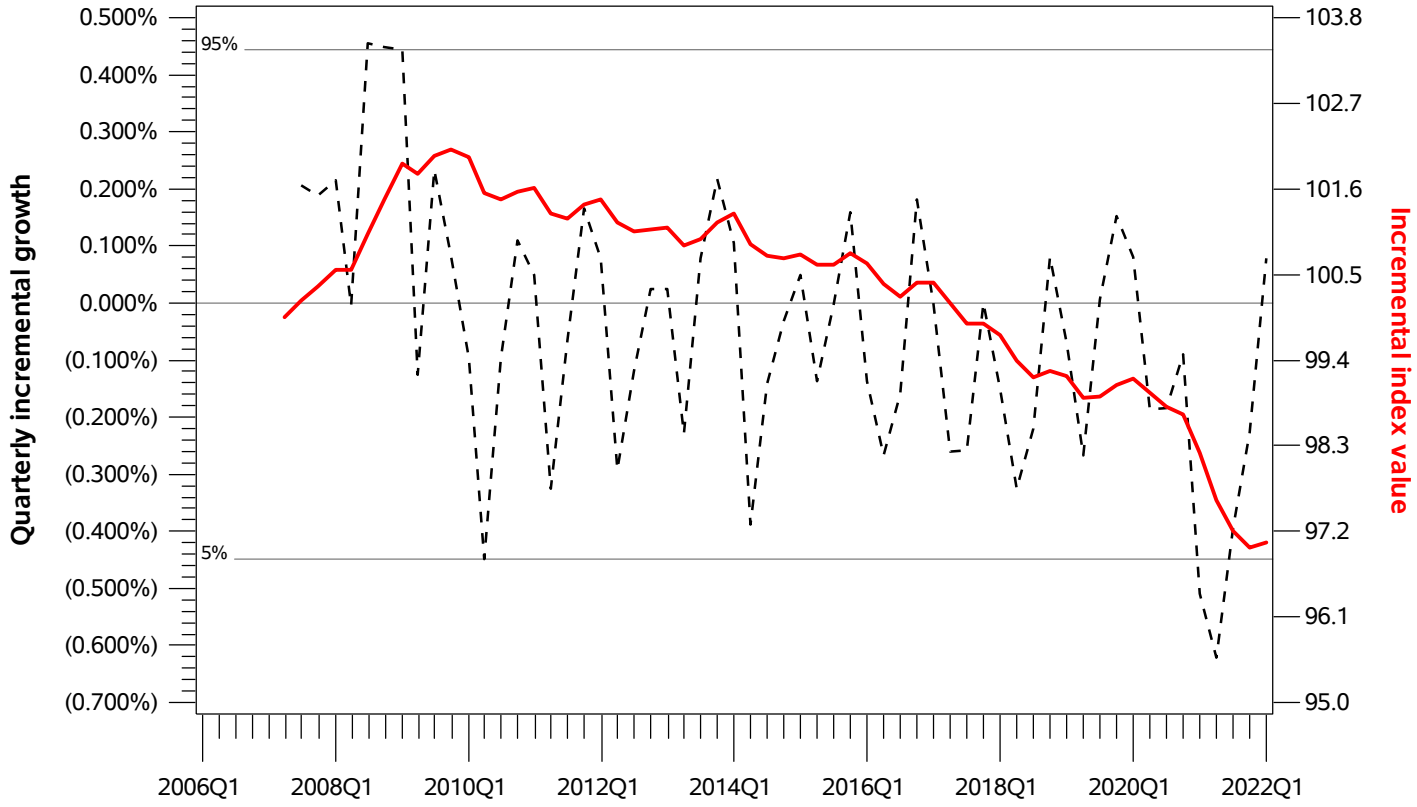


Table 54. ECI: COMP(PRIV) Junior colleges, colleges, and universities incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2016120000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.1041	Z_{Tau}	-4.0380
Prob Z_{Rho}	0.0010	Prob Z_{Tau}	0.0023

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0352	AR(1) coefficient	-0.5719
Standard error	0.0613	Standard error	0.1087
t-statistic	-0.5734	t-statistic	-5.2634
Probability t	0.5686	Durbin-Watson	1.7951

Estimated incremental annual growth rate: (0.141%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

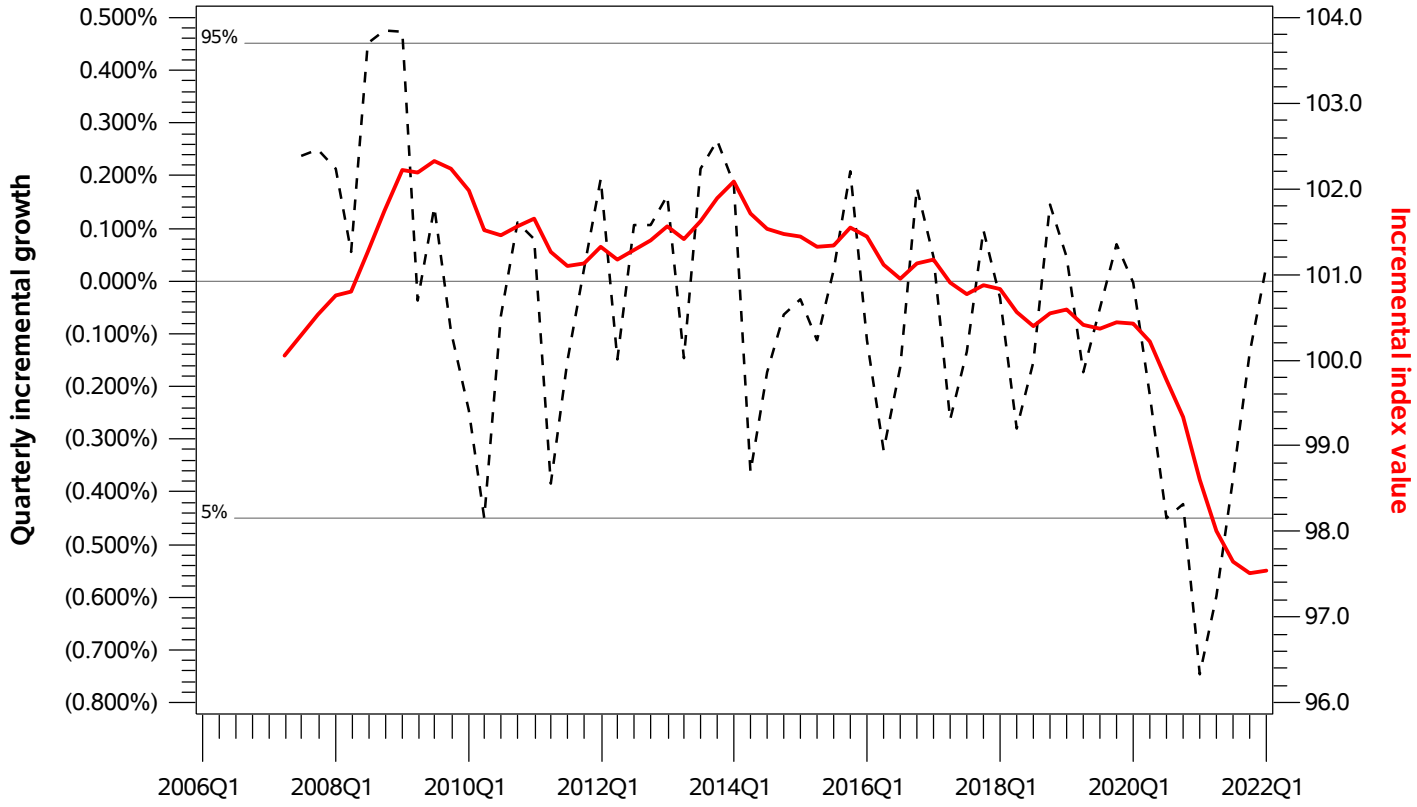


Table 55. ECI: COMP(PRIV) Health care and social assistance incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2016200000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-30.6179	Z_{Tau}	-4.4226
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0007

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0421	AR(1) coefficient	-0.4840
Standard error	0.0266	Standard error	0.1159
t-statistic	-1.5824	t-statistic	-4.1763
Probability t	0.1191	Durbin-Watson	1.9002

Estimated incremental annual growth rate: (0.168%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

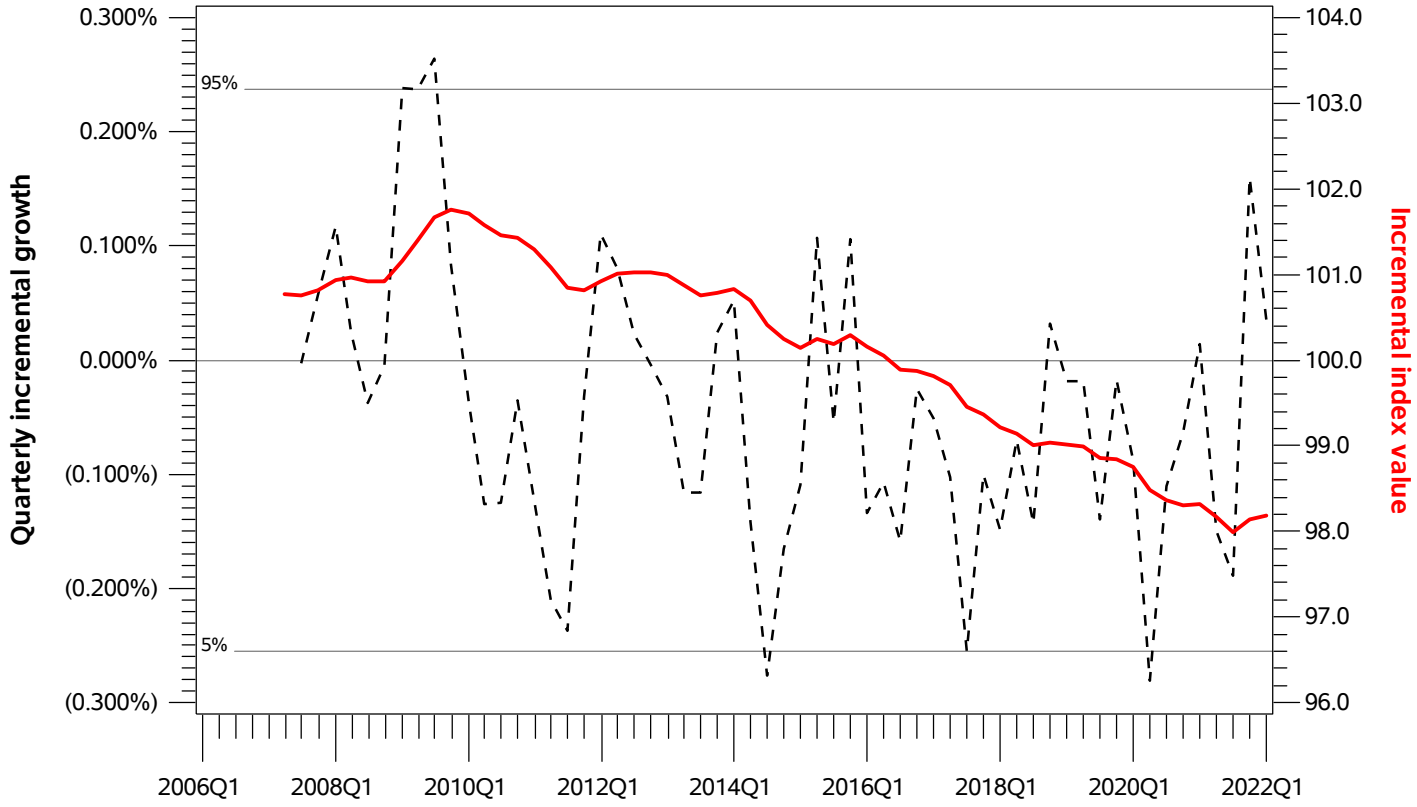


Table 56. ECI: COMP(PRIV) Hospitals incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2016220000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-24.1293	Z_{Tau}	-3.9757
Prob Z_{Rho}	0.0019	Prob Z_{Tau}	0.0028

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0319	AR(1) coefficient	-0.5290
Standard error	0.0335	Standard error	0.1124
t-statistic	-0.9522	t-statistic	-4.7066
Probability t	0.3450	Durbin-Watson	2.2990

Estimated incremental annual growth rate: (0.127%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

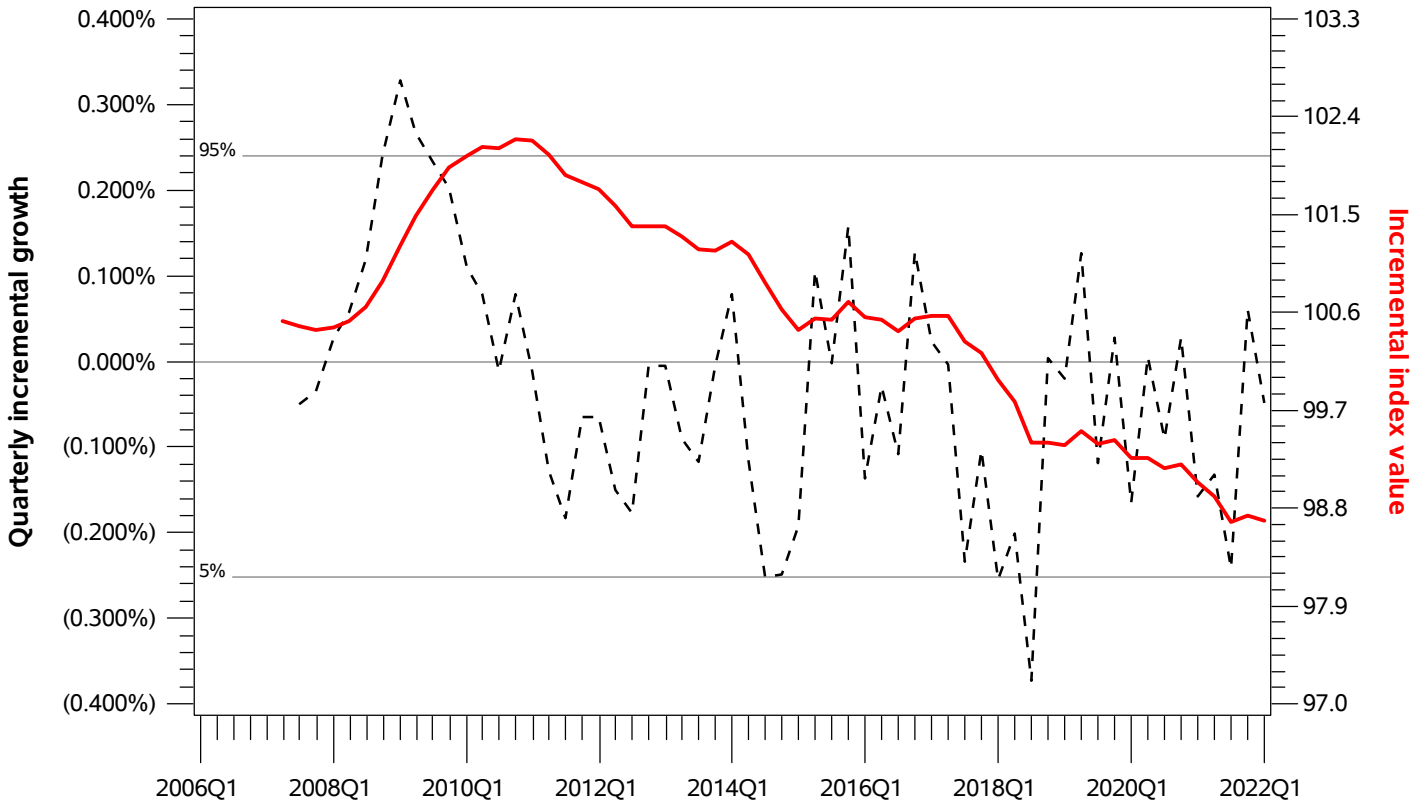


Table 57. ECI: COMP(PRIV) Nursing and residential care facilities incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2016230000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-14.1719	Z_{Tau}	-2.6346
Prob Z_{Rho}	0.0377	Prob Z_{Tau}	0.0918

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0400	AR(1) coefficient	-0.7147
Standard error	0.0498	Standard error	0.0926
t-statistic	-0.8034	t-statistic	-7.7147
Probability t	0.4251	Durbin-Watson	1.8641

Estimated incremental annual growth rate: (0.160%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

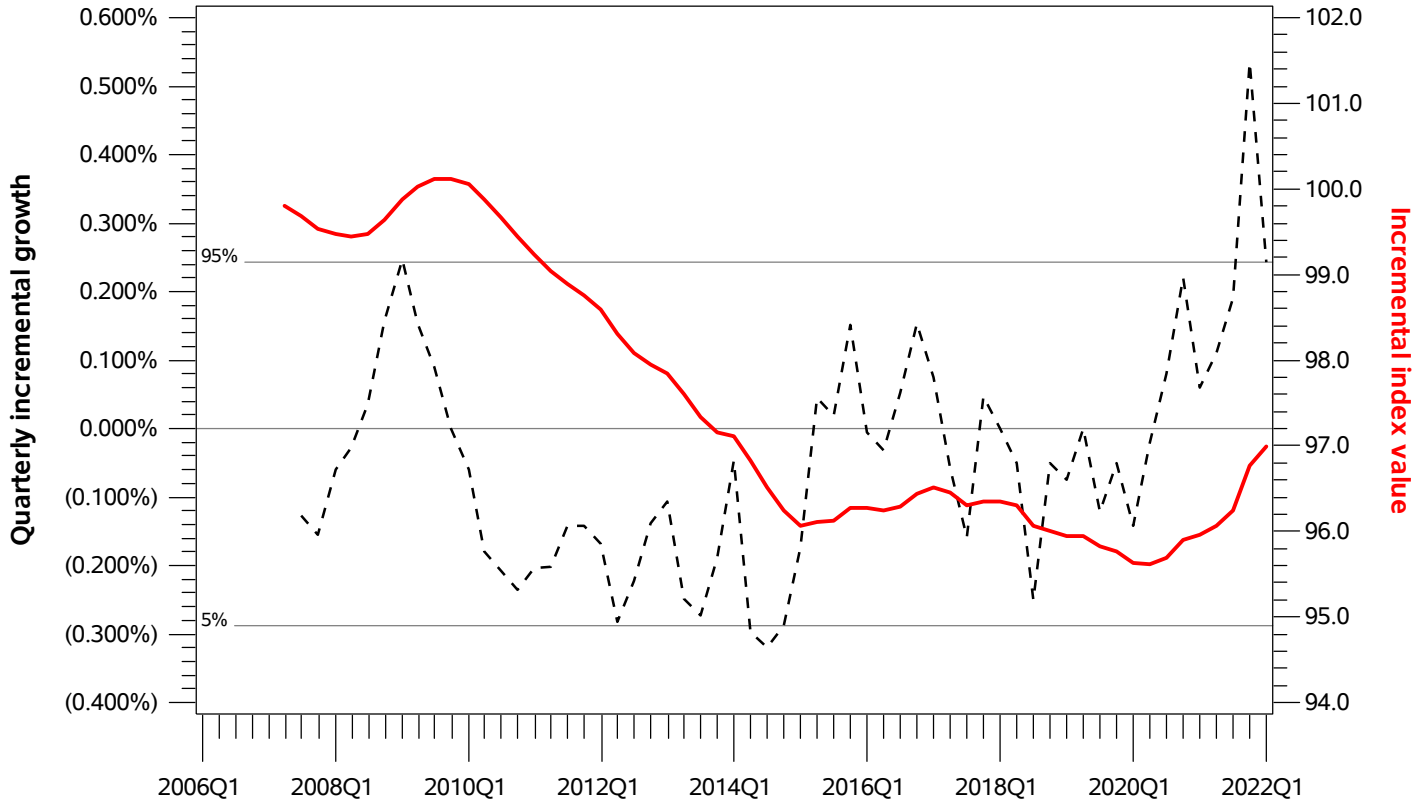


Table 58. ECI: COMP(PRIV) Nursing care facilities incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2016231000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-14.4050	Z_{Tau}	-2.7427
Prob Z_{Rho}	0.0353	Prob Z_{Tau}	0.0729

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0466	AR(1) coefficient	-0.6860
Standard error	0.0511	Standard error	0.0964
t-statistic	-0.9112	t-statistic	-7.1186
Probability t	0.3660	Durbin-Watson	2.1943

Estimated incremental annual growth rate: (0.186%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

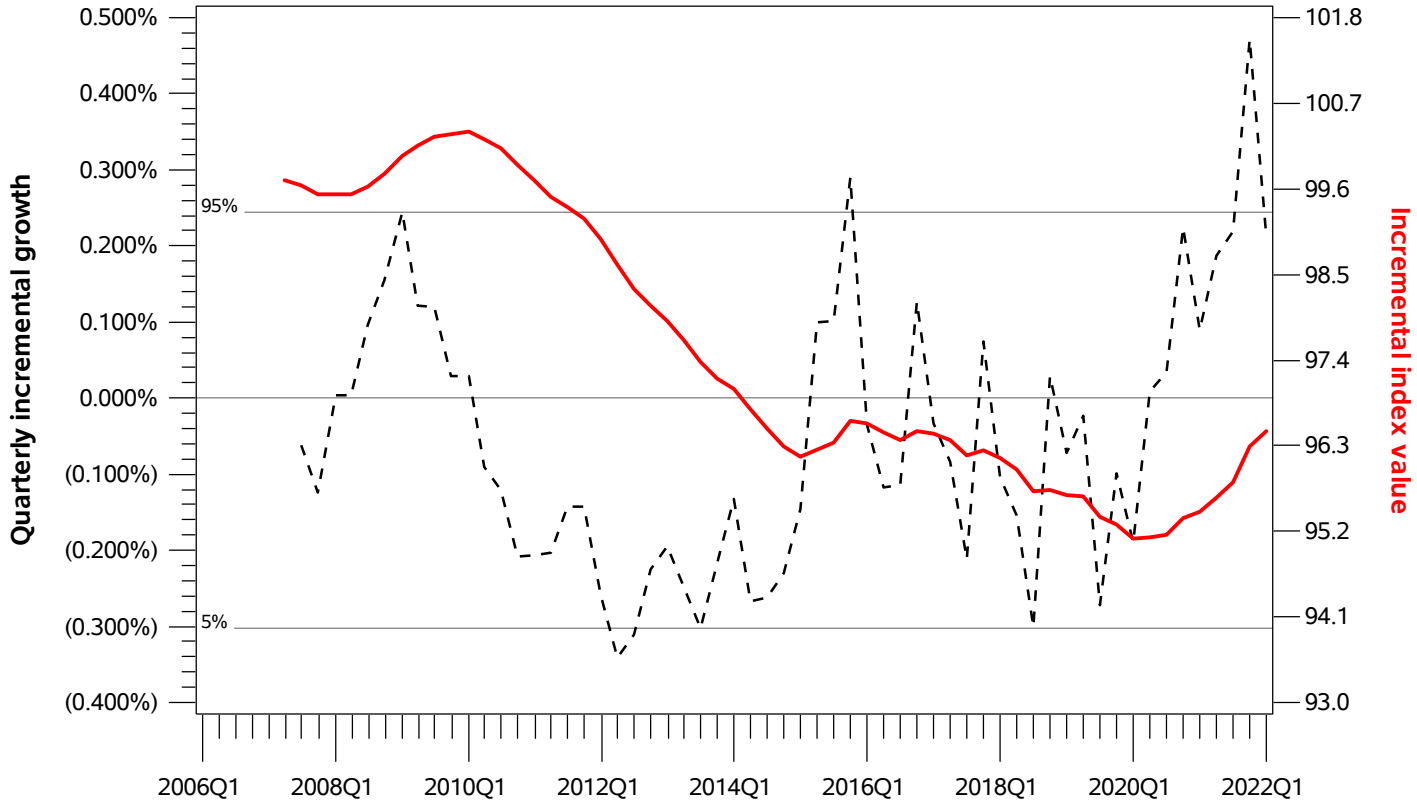


Table 59. ECI: COMP(PRIV) Leisure and hospitality incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2017000000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-12.7916	Z_{Tau}	-2.5876
Prob Z_{Rho}	0.0555	Prob Z_{Tau}	0.1011

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0832	AR(1) coefficient	-0.7637
Standard error	0.0981	Standard error	0.0855
t-statistic	0.8482	t-statistic	-8.9303
Probability t	0.3999	Durbin-Watson	1.9336

Estimated incremental annual growth rate: 0.333%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

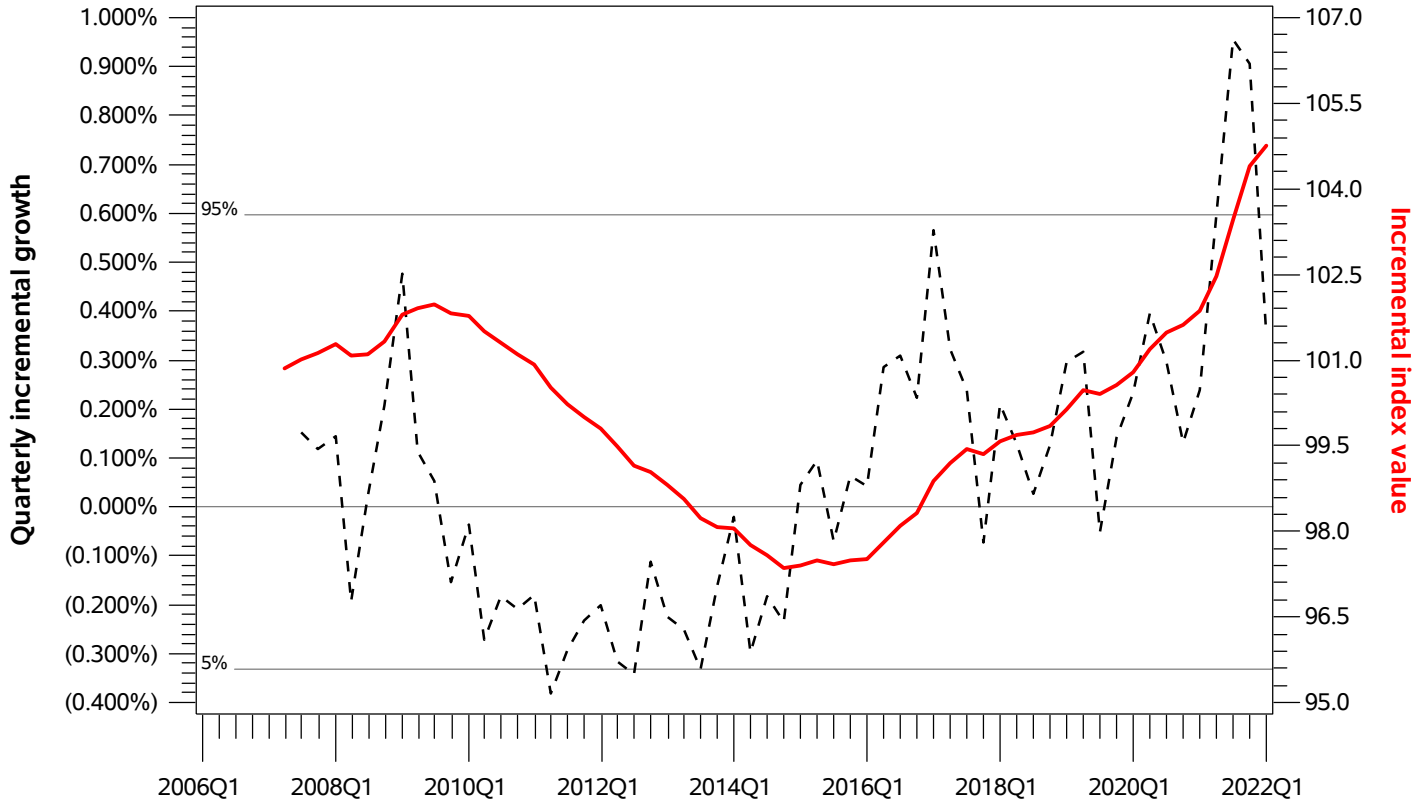


Table 60. ECI: COMP(PRIV) Accommodations and food service incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2017200000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-10.1640	Z_{Tau}	-2.2952
Prob Z_{Rho}	0.1134	Prob Z_{Tau}	0.1767

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1146	AR(1) coefficient	-0.8031
Standard error	0.1206	Standard error	0.0789
t-statistic	0.9504	t-statistic	-10.1776
Probability t	0.3459	Durbin-Watson	2.0257

Estimated incremental annual growth rate: 0.459%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

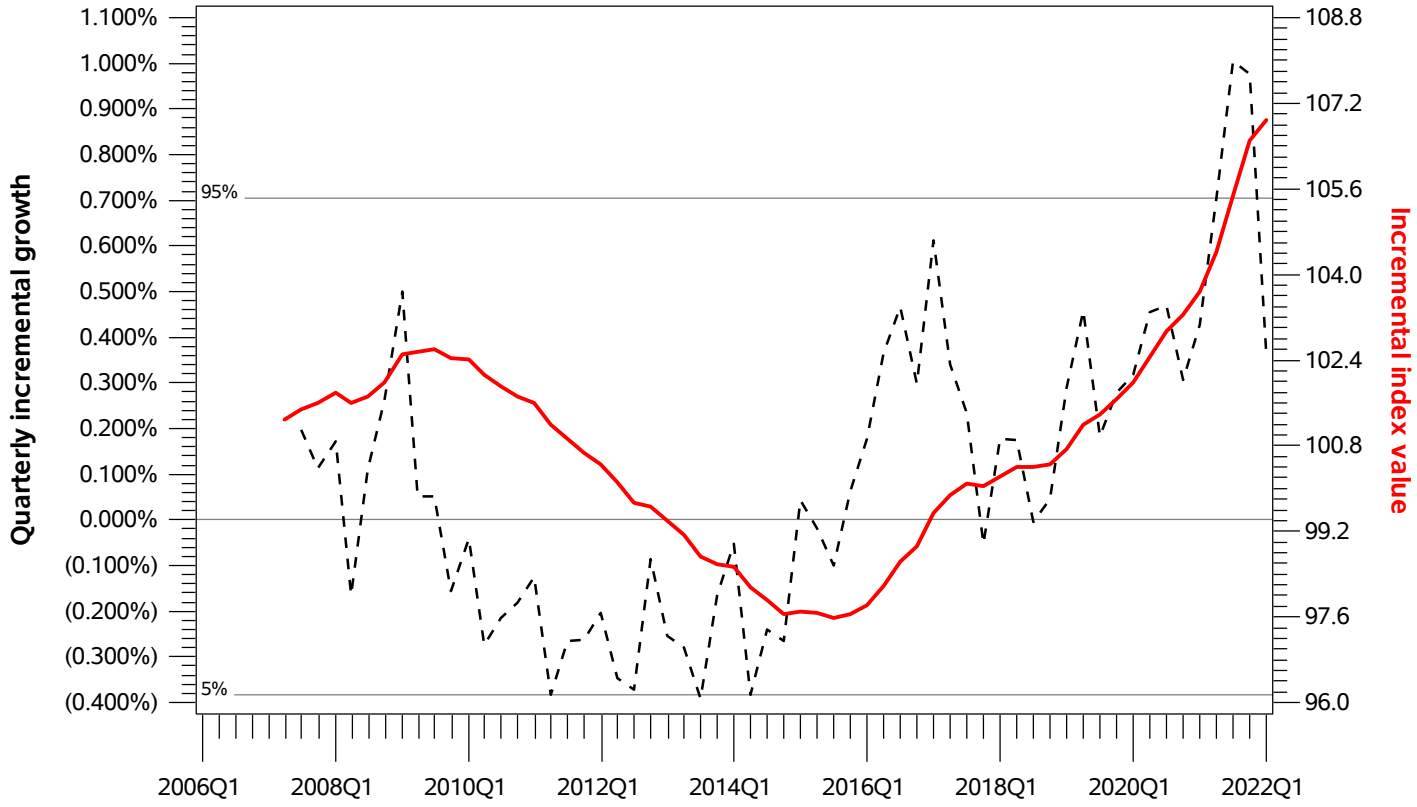


Table 61. ECI: COMP(PRIV) Other services, except public administration incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2018100000000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-38.5103	Z_{Tau}	-5.1803
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0061	AR(1) coefficient	-0.3630
Standard error	0.0303	Standard error	0.1234
t-statistic	-0.1995	t-statistic	-2.9413
Probability t	0.8425	Durbin-Watson	1.8583

Estimated incremental annual growth rate: (0.024%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

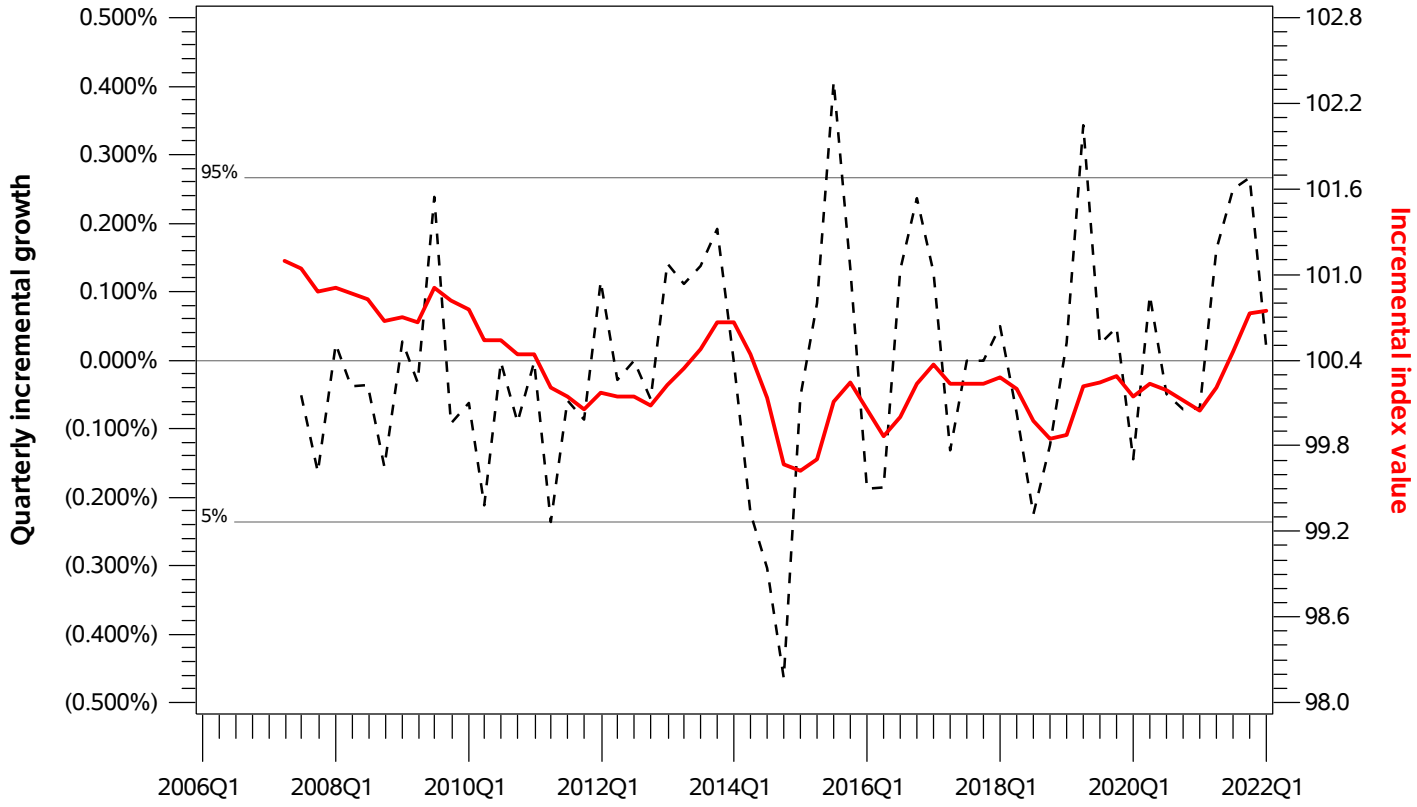


Table 62. ECI: COMP(PRIV) Union, goods-producing industries incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU201G000000510I and CIU201G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-18.3775	Z_{Tau}	-3.2461
Prob Z_{Rho}	0.0111	Prob Z_{Tau}	0.0220

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0502	AR(1) coefficient	-0.6727
Standard error	0.0595	Standard error	0.0980
t-statistic	0.8446	t-statistic	-6.8646
Probability t	0.4018	Durbin-Watson	2.0405

Estimated incremental annual growth rate: 0.201%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

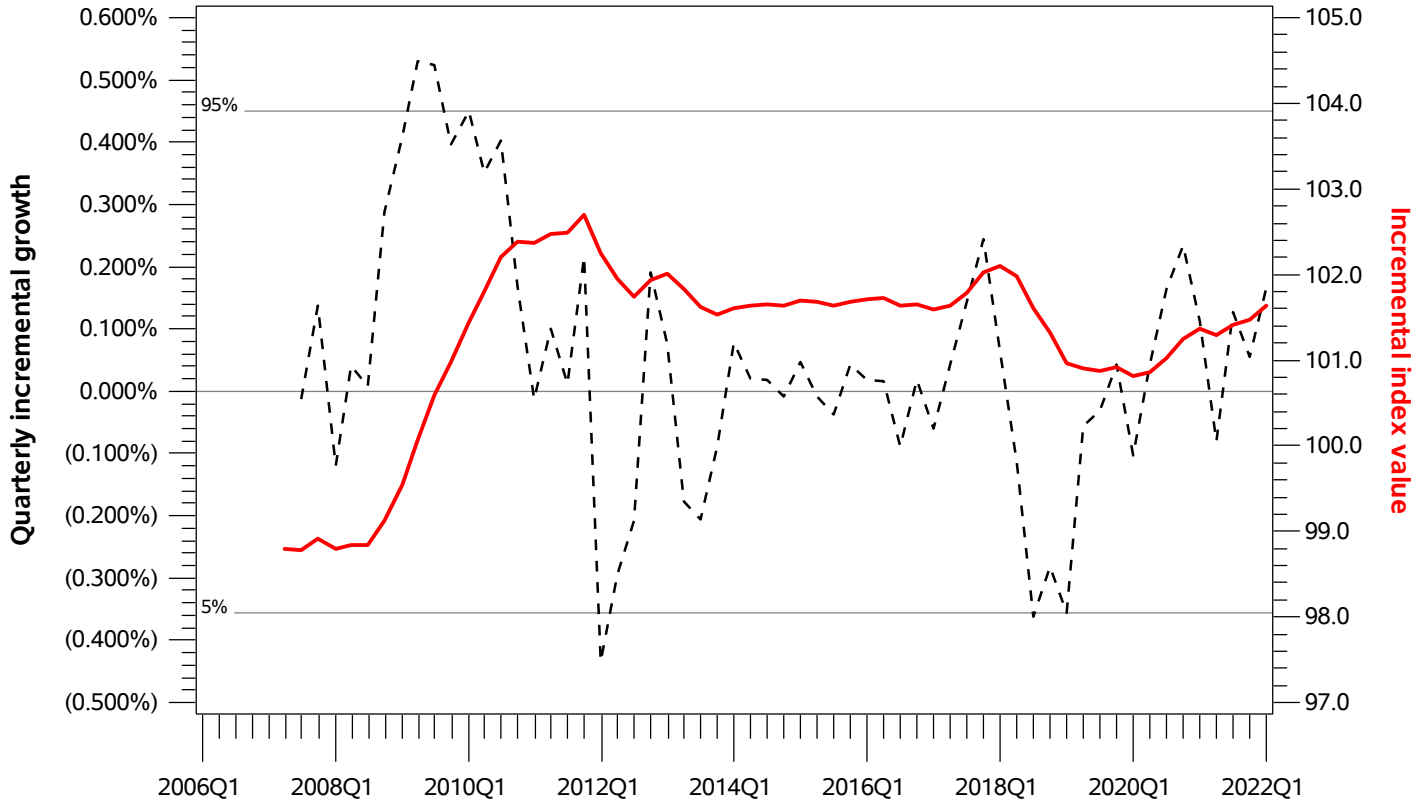


Table 63. ECI: COMP(PRIV) Nonunion, goods-producing industries incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU201G0000000520I and CIU201G0000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-17.2137	Z_{Tau}	-3.1657
Prob Z_{Rho}	0.0156	Prob Z_{Tau}	0.0270

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0141	AR(1) coefficient	-0.6756
Standard error	0.0177	Standard error	0.0977
t-statistic	-0.7930	t-statistic	-6.9175
Probability t	0.4311	Durbin-Watson	2.1648

Estimated incremental annual growth rate: (0.056%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

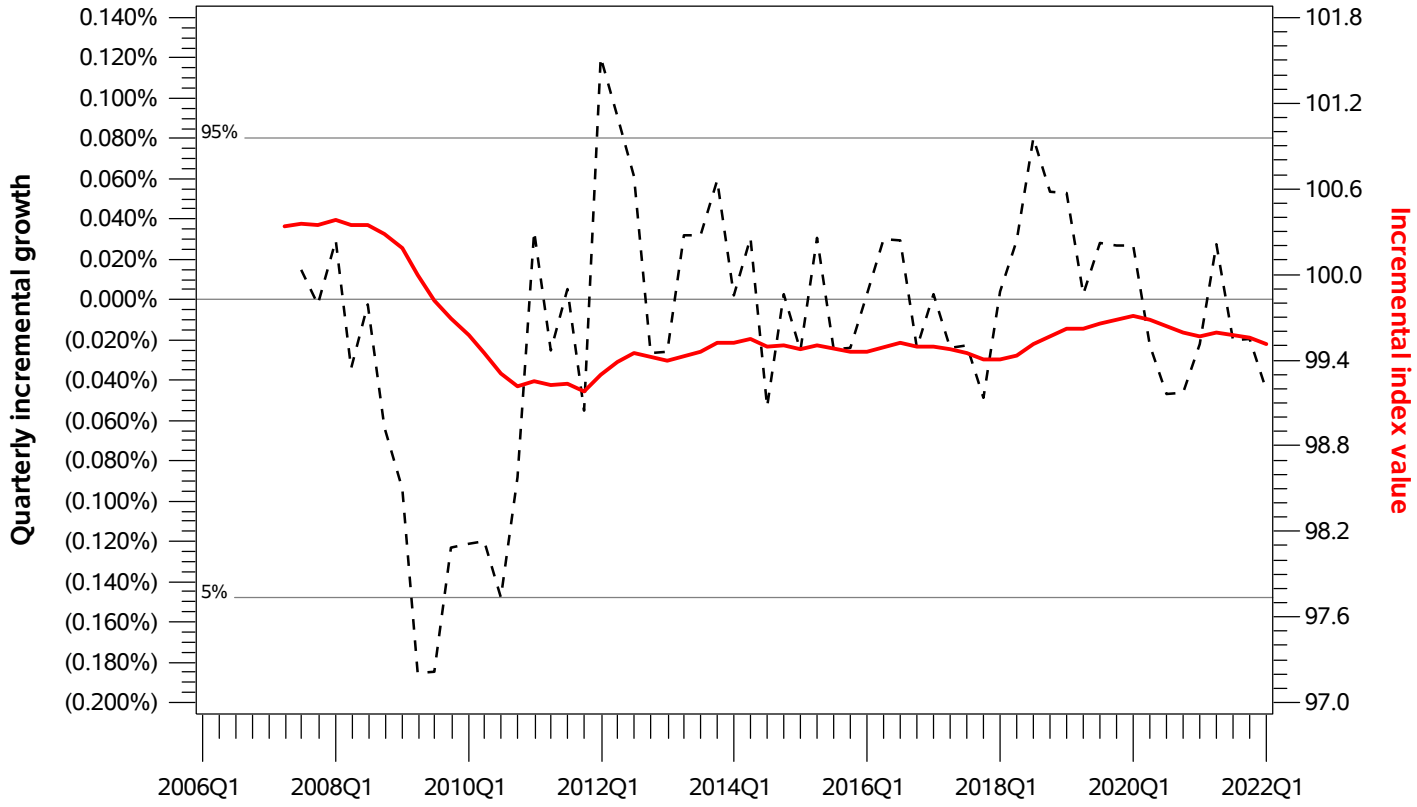


Table 64. ECI: COMP(PRIV) Goods-producing, excluding incentive paid occupations incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU201G0000007101 and CIU201G0000000001

Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-41.4886	Z_{Tau}	-5.5419
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0000	AR(1) coefficient	-0.2955
Standard error	0.0067	Standard error	0.1265
t-statistic	-0.0039	t-statistic	-2.3353
Probability t	0.9969	Durbin-Watson	1.9168

Estimated incremental annual growth rate: (0.000%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

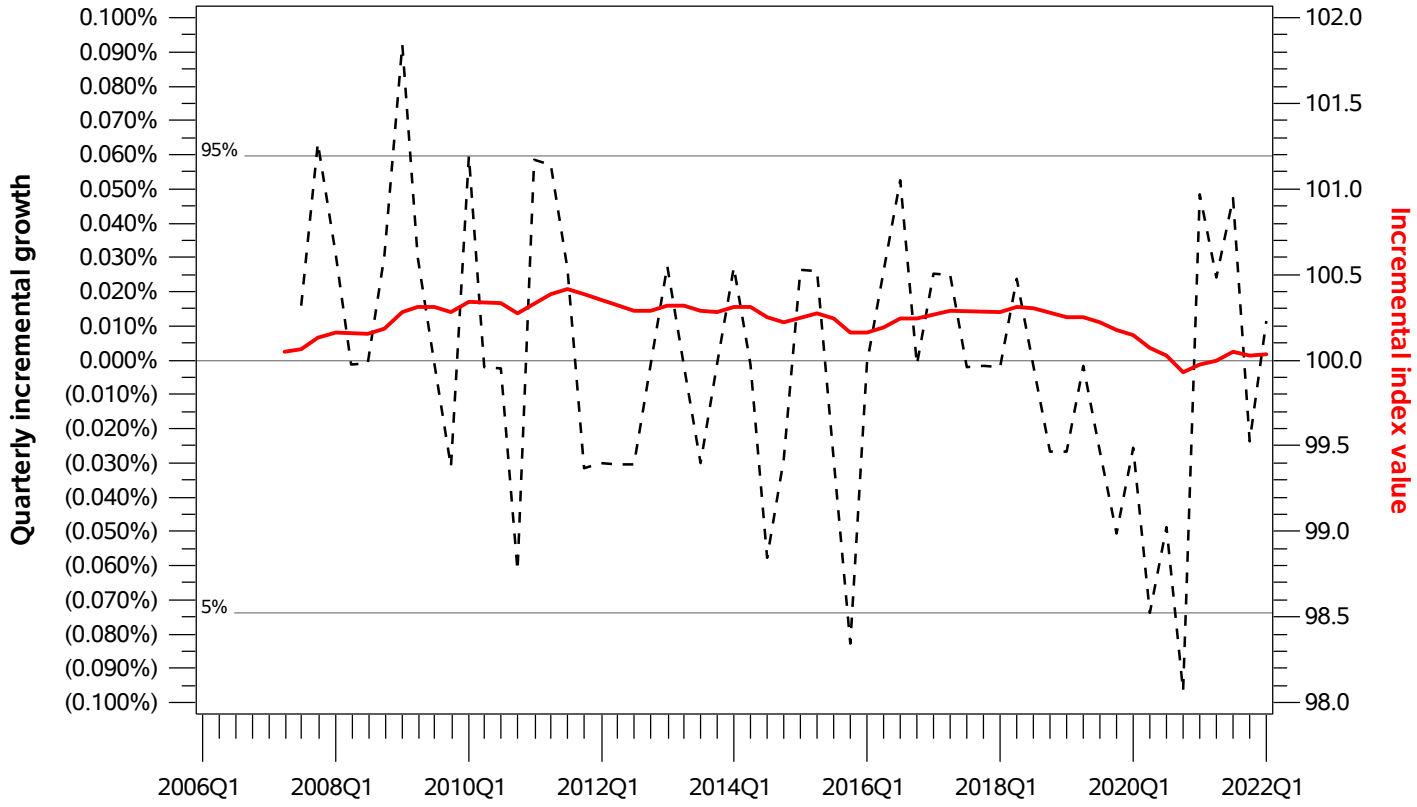


Table 65. ECI: COMP(PRIV) Goods-producing; management, professional, and related occupations incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU201G0001000000I and CIU201G0000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.5216	Z_{Tau}	-3.6577
Prob Z_{Rho}	0.0031	Prob Z_{Tau}	0.0072

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0523	AR(1) coefficient	-0.6049
Standard error	0.0349	Standard error	0.1055
t-statistic	-1.4975	t-statistic	-5.7359
Probability t	0.1398	Durbin-Watson	2.0026

Estimated incremental annual growth rate: (0.209%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

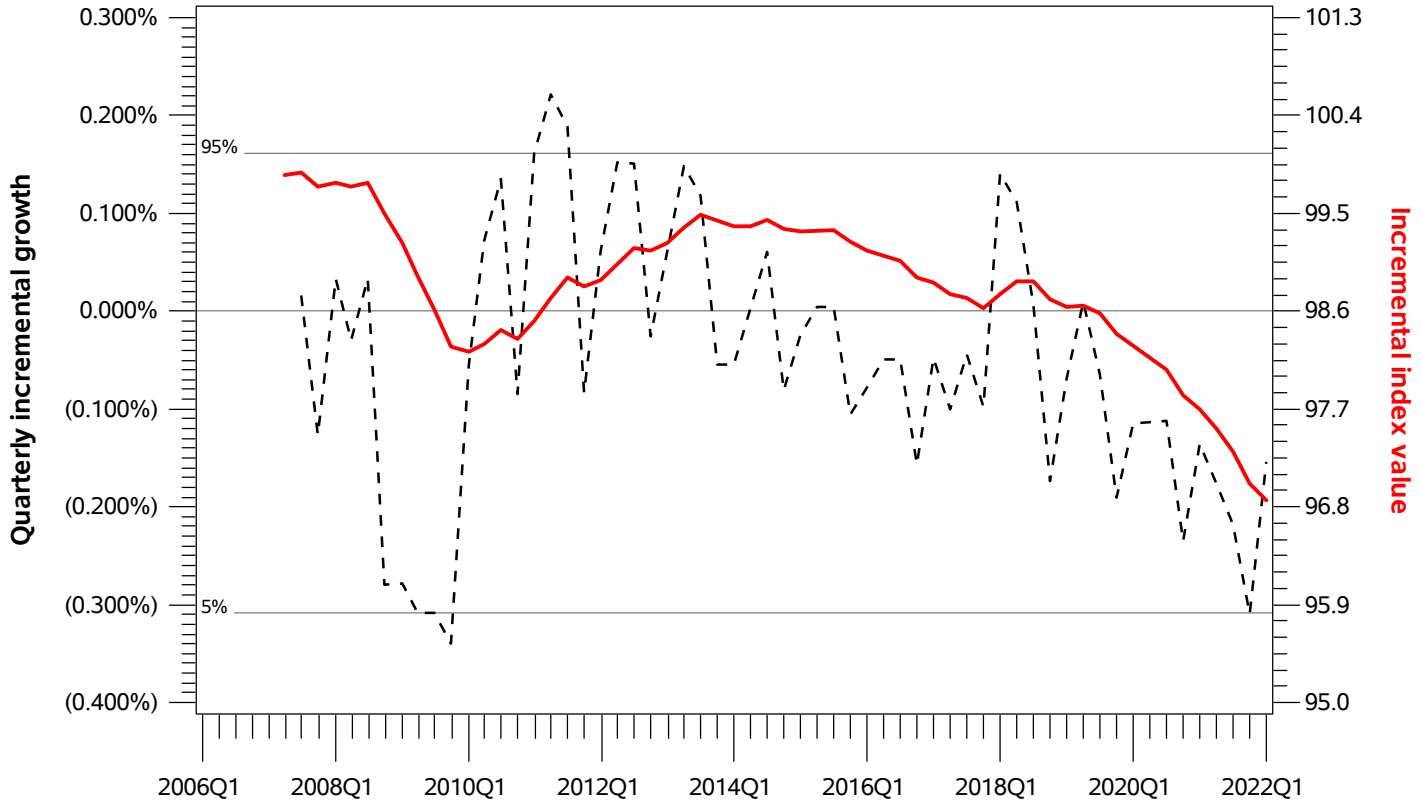


Table 66. ECI: COMP(PRIV) Goods-producing, sales and office occupations incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU201G000200000I and CIU201G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-51.7736	Z_{Tau}	-6.7649
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0477	AR(1) coefficient	-0.0942
Standard error	0.0356	Standard error	0.1319
t-statistic	1.3429	t-statistic	-0.7146
Probability t	0.1846	Durbin-Watson	2.0174

Estimated incremental annual growth rate: 0.191%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

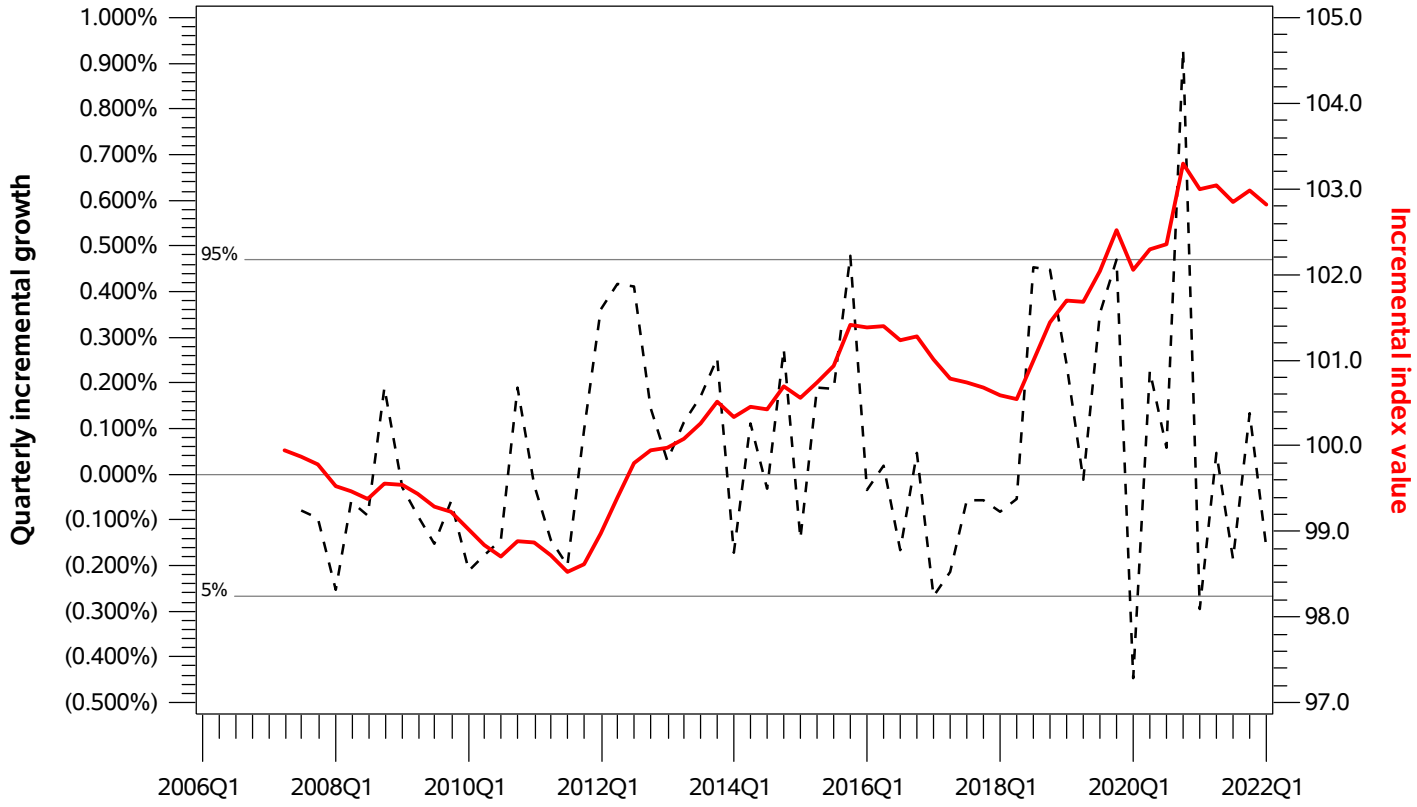


Table 67. ECI: COMP(PRIV) Goods-producing; natural resources, construction, and maintenance incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU201G0004000000I and CIU201G0000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.8974	Z_{Tau}	-4.2792
Prob Z_{Rho}	0.0008	Prob Z_{Tau}	0.0011

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0060	AR(1) coefficient	-0.5052
Standard error	0.0247	Standard error	0.1143
t-statistic	0.2450	t-statistic	-4.4199
Probability t	0.8073	Durbin-Watson	2.0247

Estimated incremental annual growth rate: 0.024%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

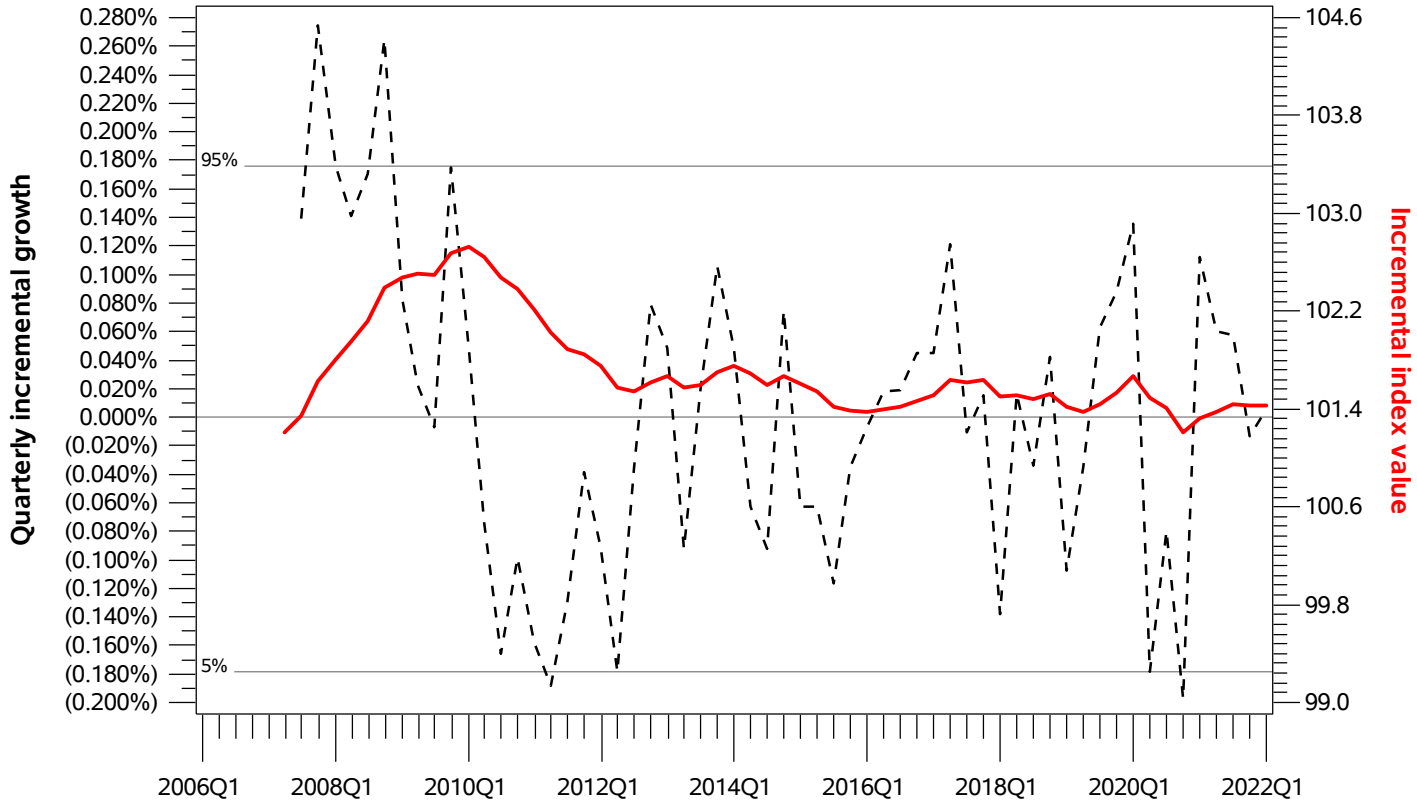


Table 68. ECI: COMP(PRIV) Goods-producing; production, transportation, and material moving incremental growth over ECI: COMP(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU201G0005000001 and CIU201G0000000001

Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-16.5865	Z_{Tau}	-2.9653
Prob Z_{Rho}	0.0188	Prob Z_{Tau}	0.0441

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0343	AR(1) coefficient	-0.6941
Standard error	0.0314	Standard error	0.0954
t-statistic	1.0929	t-statistic	-7.2789
Probability t	0.2790	Durbin-Watson	1.8363

Estimated incremental annual growth rate: 0.137%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

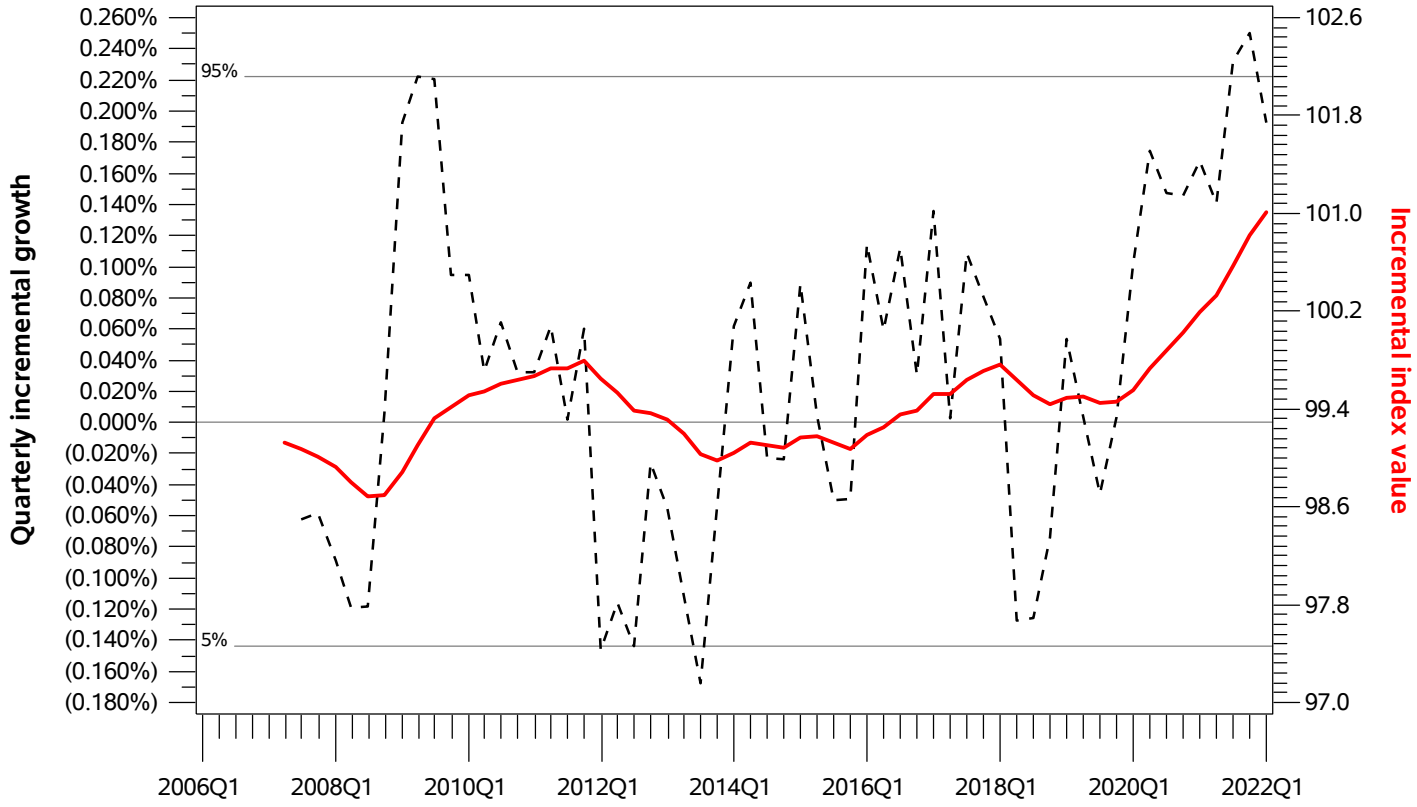


Table 69. ECI: COMP(PRIV) Union, service-providing industries incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201S000000510I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-15.1695	Z_{Tau}	-2.8360
Prob Z_{Rho}	0.0284	Prob Z_{Tau}	0.0593

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0633	AR(1) coefficient	-0.7110
Standard error	0.0677	Standard error	0.0931
t-statistic	0.9355	t-statistic	-7.6339
Probability t	0.3535	Durbin-Watson	1.9947

Estimated incremental annual growth rate: 0.253%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

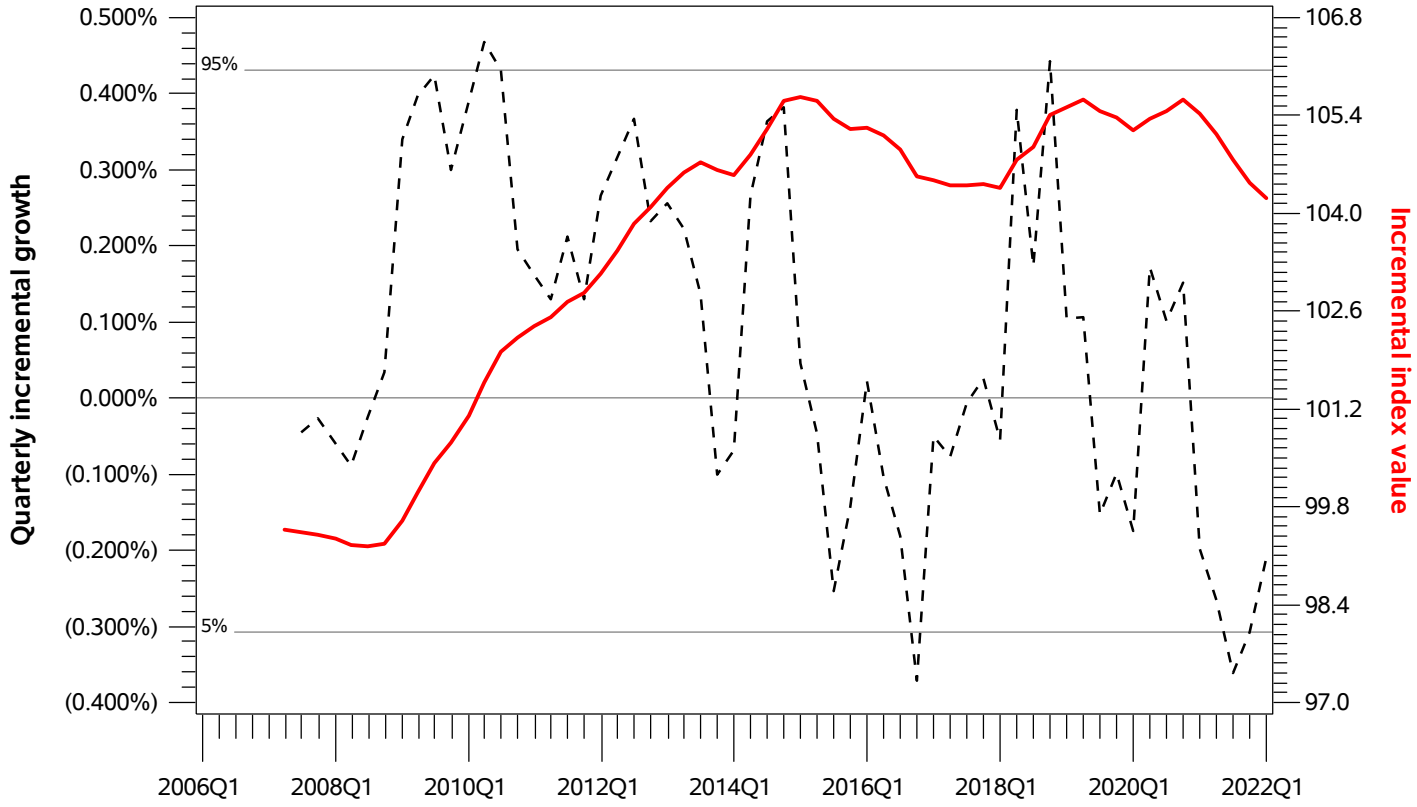


Table 70. ECI: COMP(PRIV) Nonunion, service-providing industries incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201S000000520I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.2091	Z_{Tau}	-4.2478
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0012

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0086	AR(1) coefficient	-0.4935
Standard error	0.0061	Standard error	0.1152
t-statistic	-1.4041	t-statistic	-4.2843
Probability t	0.1657	Durbin-Watson	2.0475

Estimated incremental annual growth rate: (0.034%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

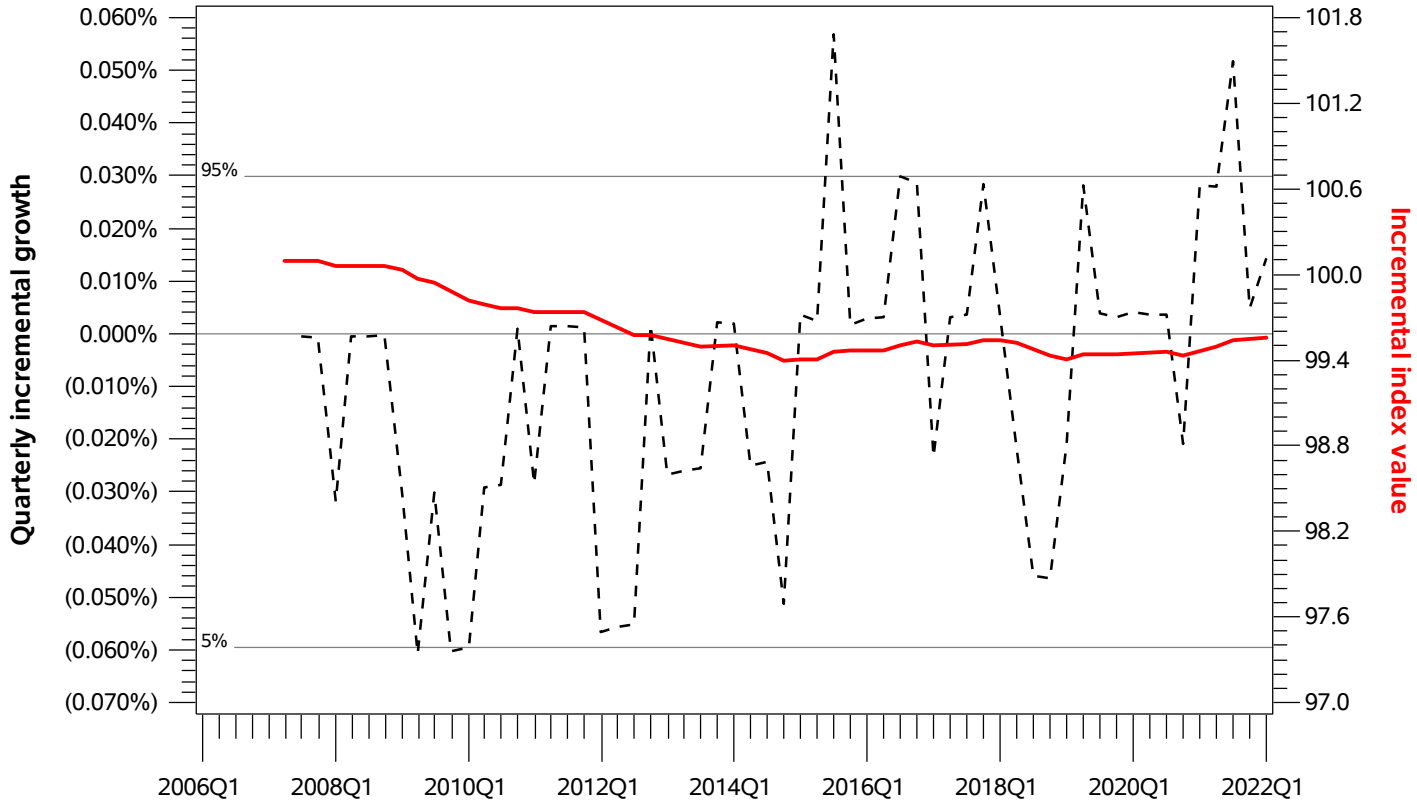


Table 71. ECI: COMP(PRIV) Service-providing, excluding incentive paid occupations incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201S000000710I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-31.5857	Z_{Tau}	-4.5547
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0065	AR(1) coefficient	-0.4605
Standard error	0.0125	Standard error	0.1176
t-statistic	-0.5189	t-statistic	-3.9162
Probability t	0.6059	Durbin-Watson	1.9421

Estimated incremental annual growth rate: (0.026%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

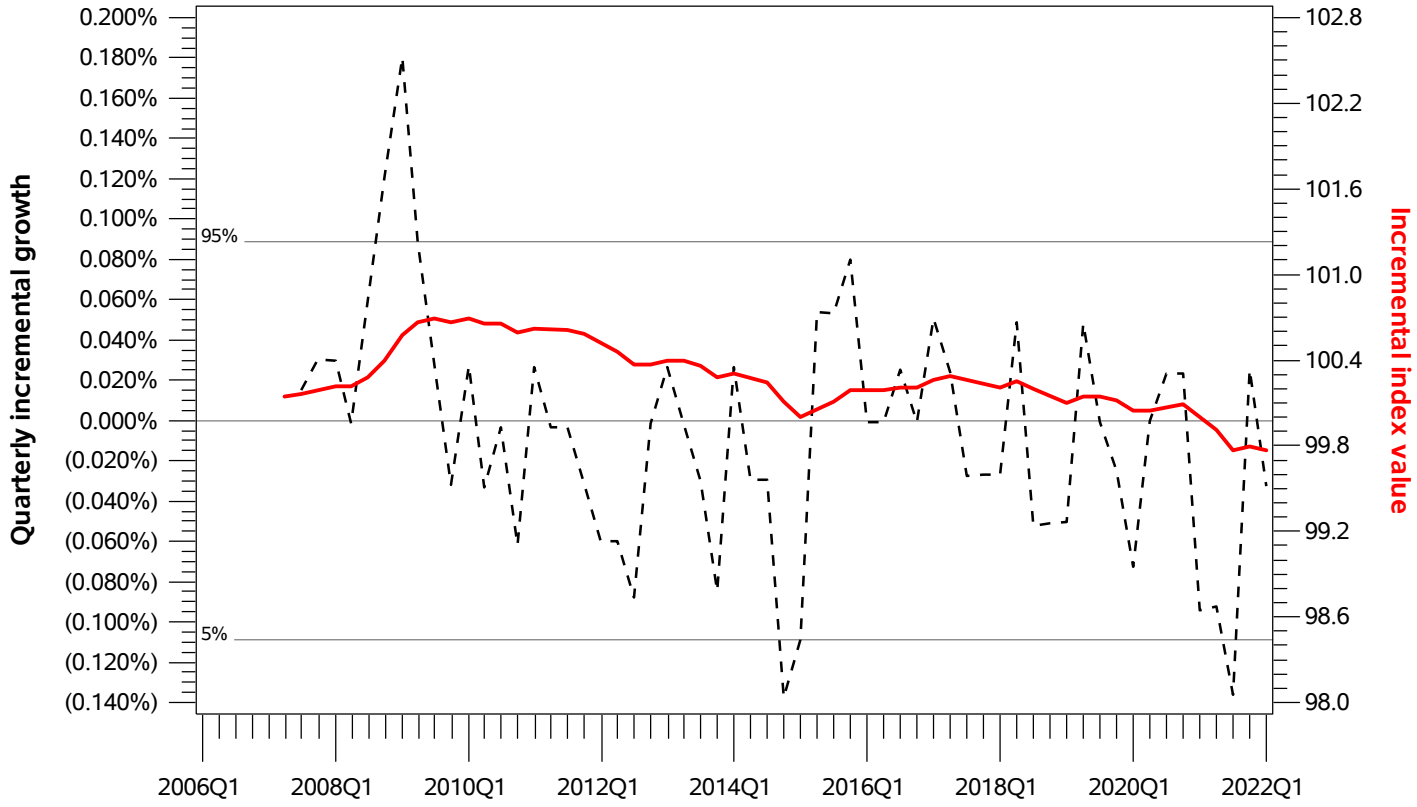


Table 72. ECI: COMP(PRIV) Service-providing; management, professional, and related occupations incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201S000100000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-16.8177	Z_{Tau}	-3.0812
Prob Z_{Rho}	0.0176	Prob Z_{Tau}	0.0334

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0477	AR(1) coefficient	-0.7175
Standard error	0.0276	Standard error	0.0923
t-statistic	-1.7259	t-statistic	-7.7763
Probability t	0.0898	Durbin-Watson	1.9212

Estimated incremental annual growth rate: (0.191%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.191%)

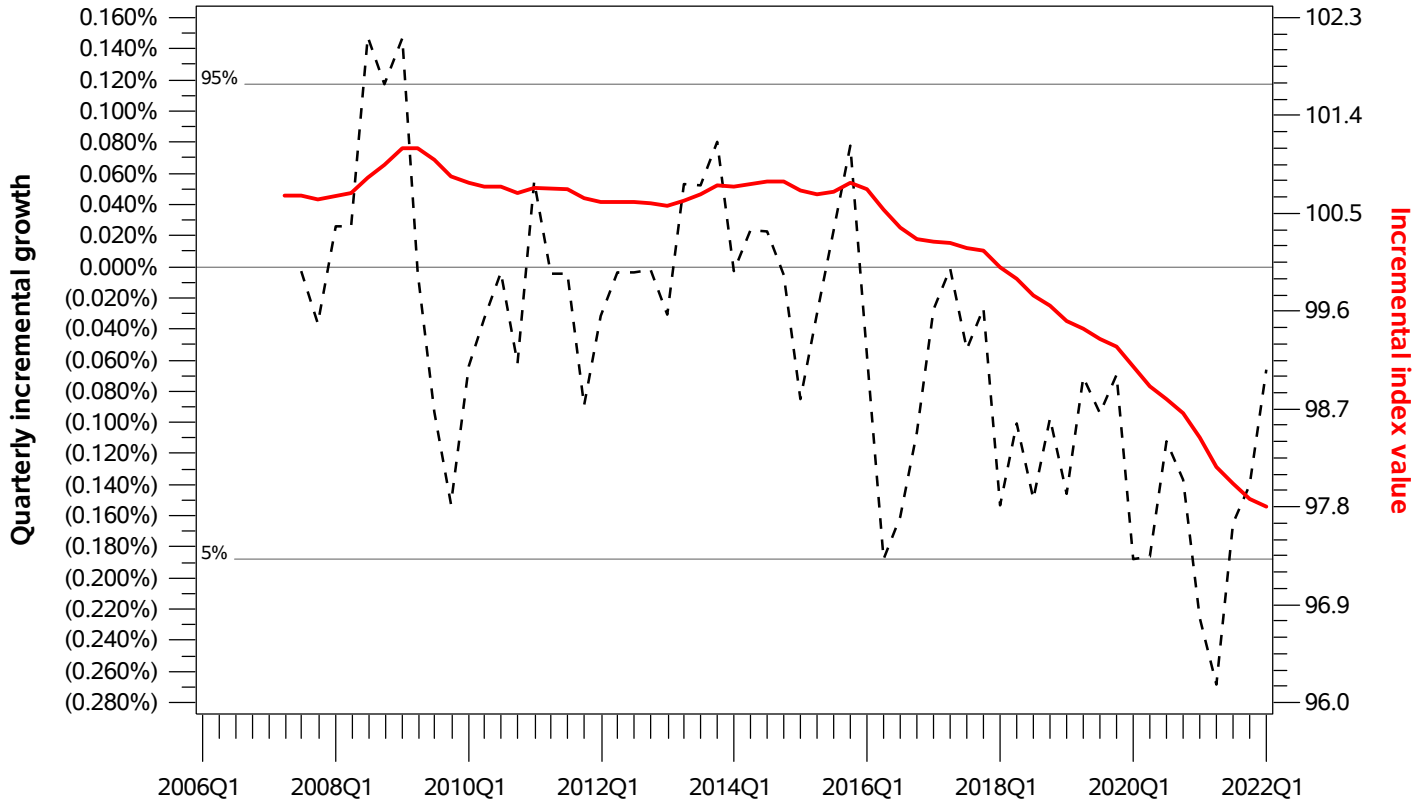


Table 73. ECI: COMP(PRIV) Service-providing, sales and office occupations incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201S000200000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-37.7165	Z_{Tau}	-5.2176
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0213	AR(1) coefficient	-0.3478
Standard error	0.0237	Standard error	0.1242
t-statistic	0.8987	t-statistic	-2.8004
Probability t	0.3726	Durbin-Watson	2.0099

Estimated incremental annual growth rate: 0.085%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

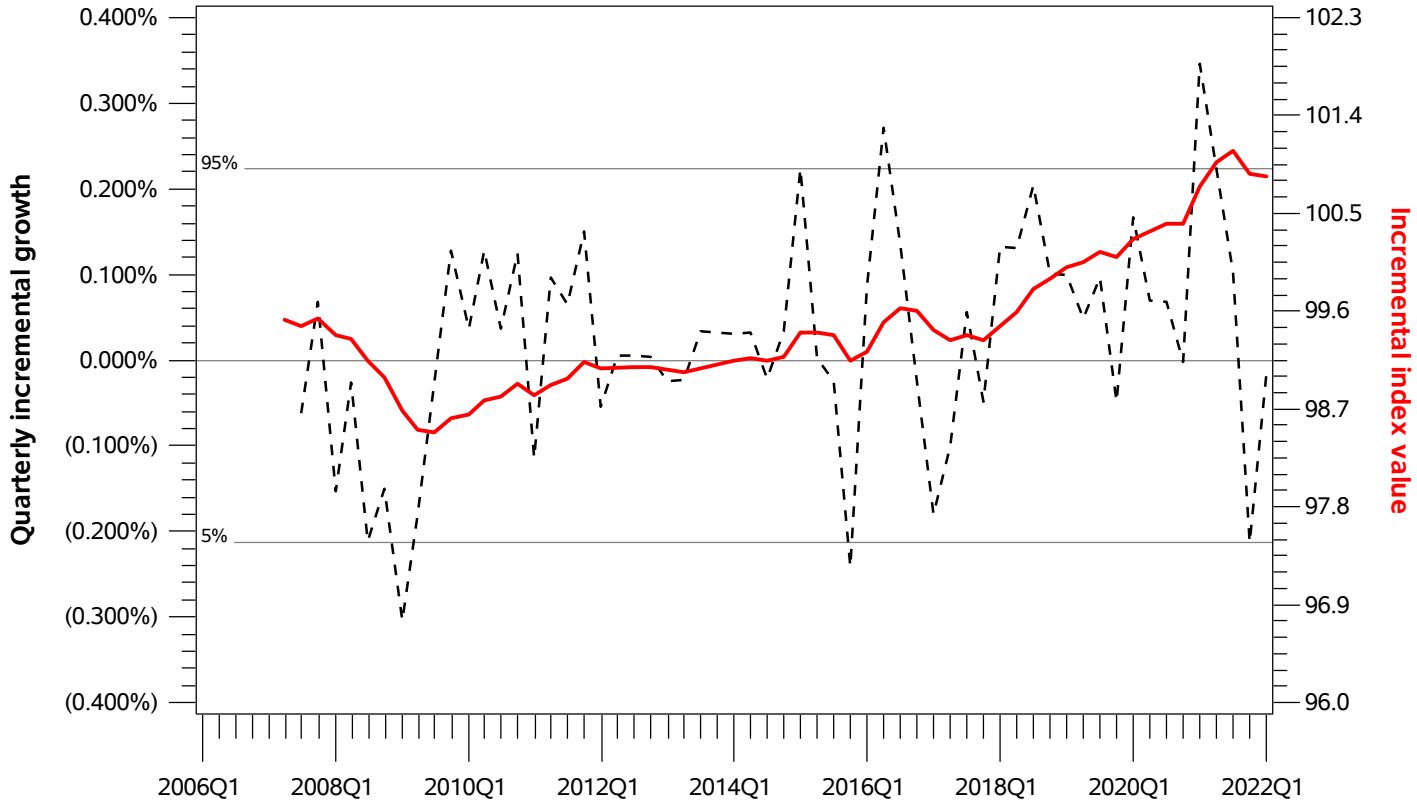


Table 74. ECI: COMP(PRIV) Service-providing, service occupations incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201S000300000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-10.4803	Z_{Tau}	-2.2673
Prob Z_{Rho}	0.1042	Prob Z_{Tau}	0.1856

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0820	AR(1) coefficient	-0.7991
Standard error	0.0715	Standard error	0.0796
t-statistic	1.1468	t-statistic	-10.0348
Probability t	0.2562	Durbin-Watson	1.8264

Estimated incremental annual growth rate: 0.328%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

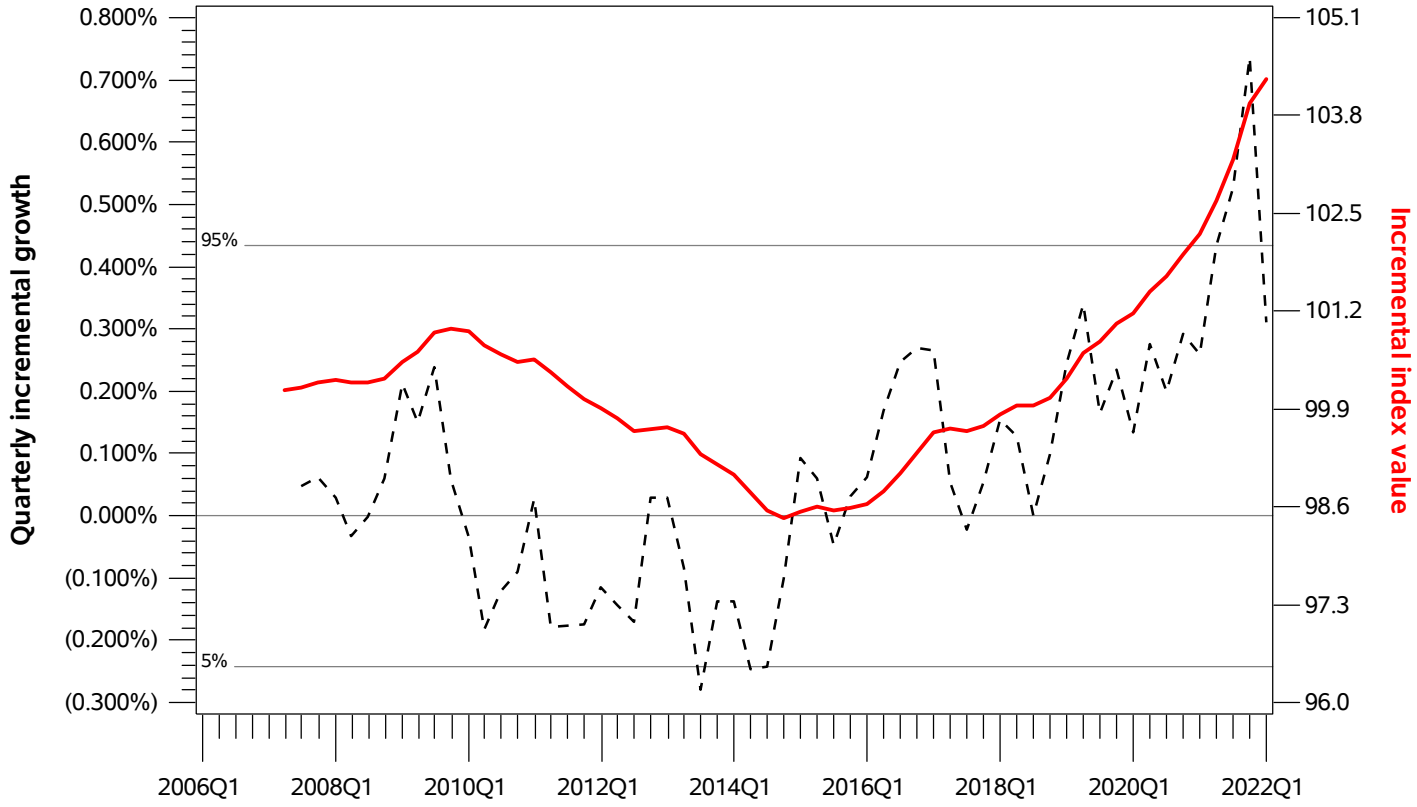


Table 75. ECI: COMP(PRIV) Service-providing; natural resources, construction, and maintenance incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201S000400000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.3524	Z_{Tau}	-3.9554
Prob Z_{Rho}	0.0009	Prob Z_{Tau}	0.0030

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0072	AR(1) coefficient	-0.5497
Standard error	0.0433	Standard error	0.1107
t-statistic	-0.1654	t-statistic	-4.9675
Probability t	0.8692	Durbin-Watson	1.8732

Estimated incremental annual growth rate: (0.029%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

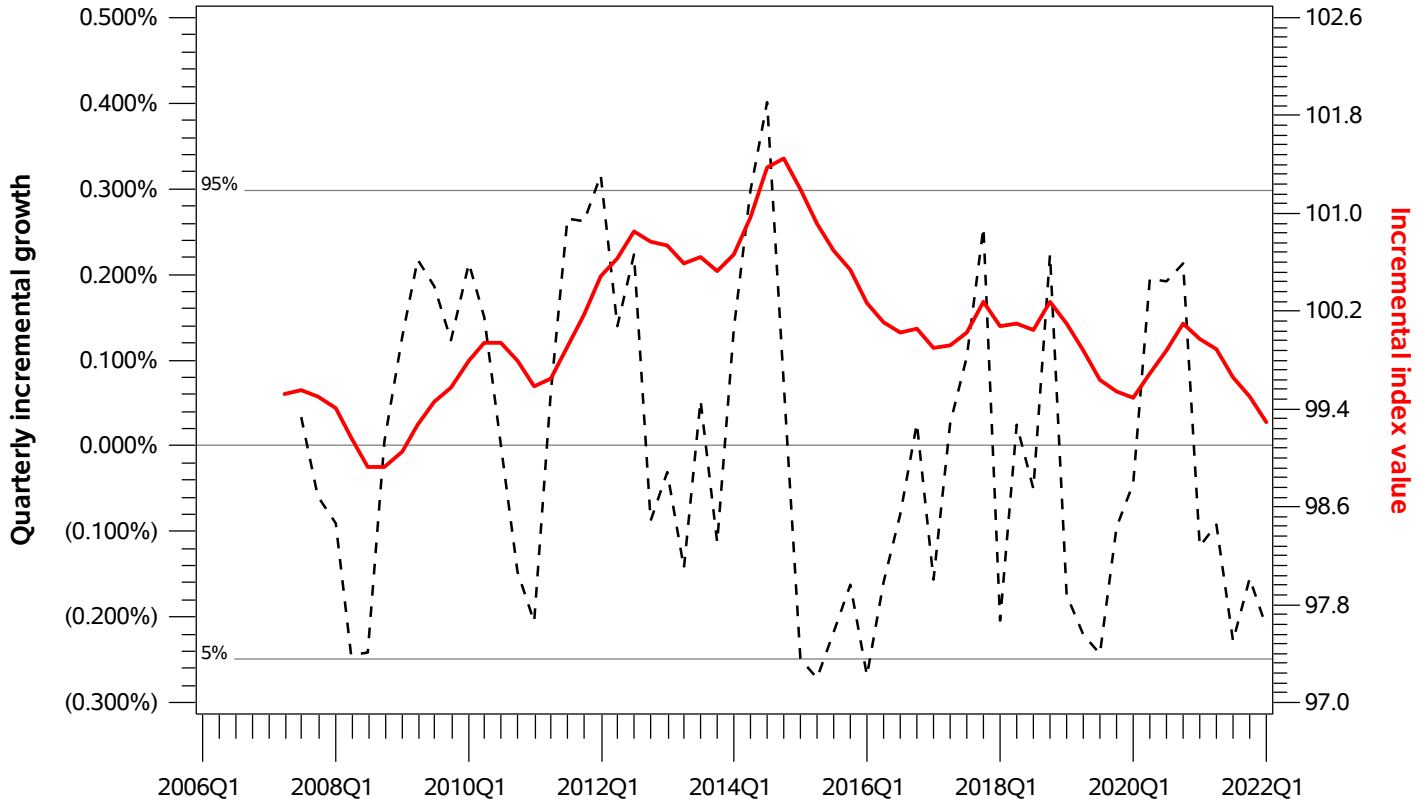


Table 76. ECI: COMP(PRIV) Service-providing; production, transportation, and material moving incremental growth over ECI: COMP(PRIV) Service-providing industries

LABSTAT series identifiers: CIU201S000500000I and CIU201S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-33.3230	Z_{Tau}	-4.8637
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1013	AR(1) coefficient	-0.4167
Standard error	0.0234	Standard error	0.1204
t-statistic	4.3348	t-statistic	-3.4606
Probability t	0.0001	Durbin-Watson	1.9462

Estimated incremental annual growth rate: 0.406%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.406%

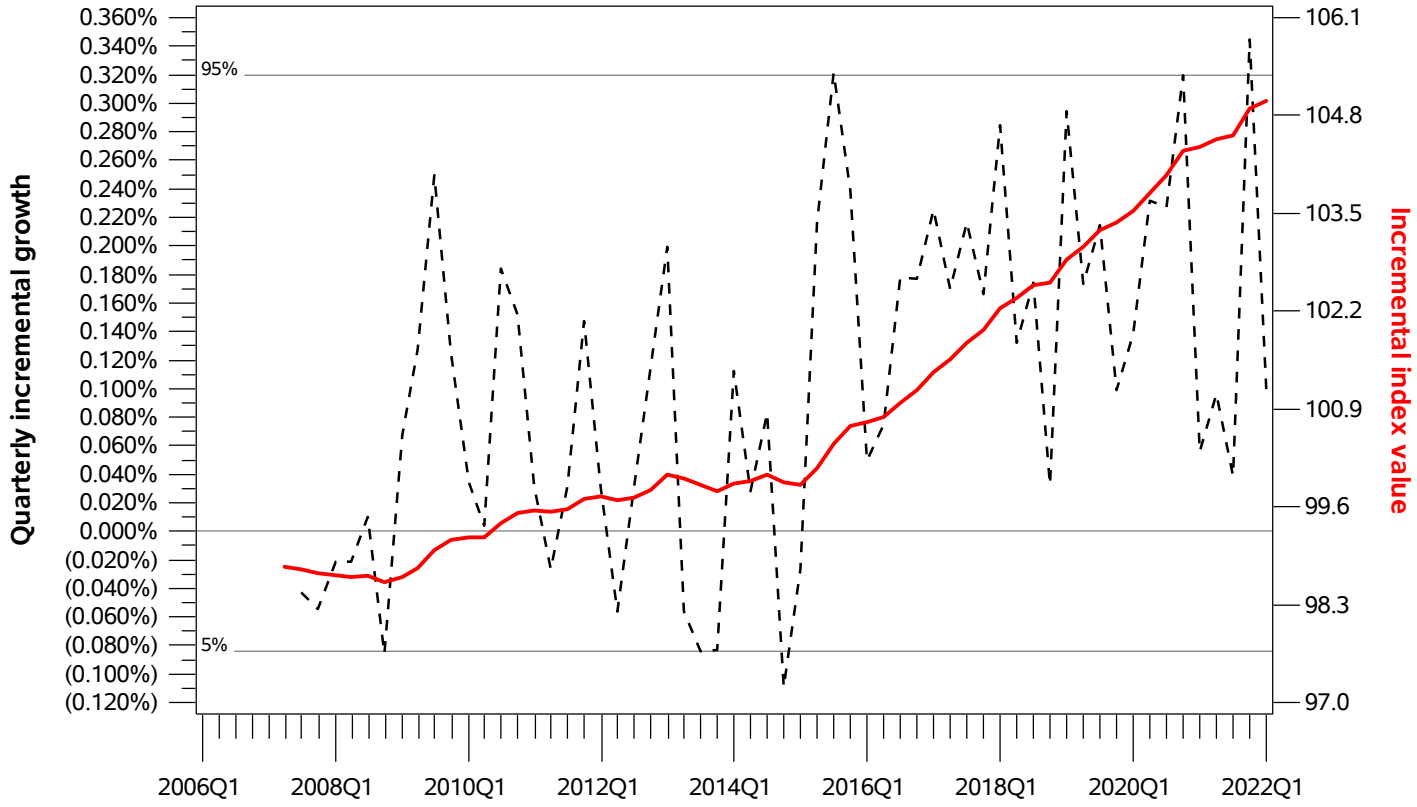


Table 77. ECI: W&S(PRIV) All union workers incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000000510I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-15.5161	Z_{Tau}	-2.9315
Prob Z_{Rho}	0.0257	Prob Z_{Tau}	0.0477

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0038	AR(1) coefficient	-0.6229
Standard error	0.0391	Standard error	0.1036
t-statistic	0.0982	t-statistic	-6.0110
Probability t	0.9221	Durbin-Watson	2.3988

Estimated incremental annual growth rate: 0.015%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

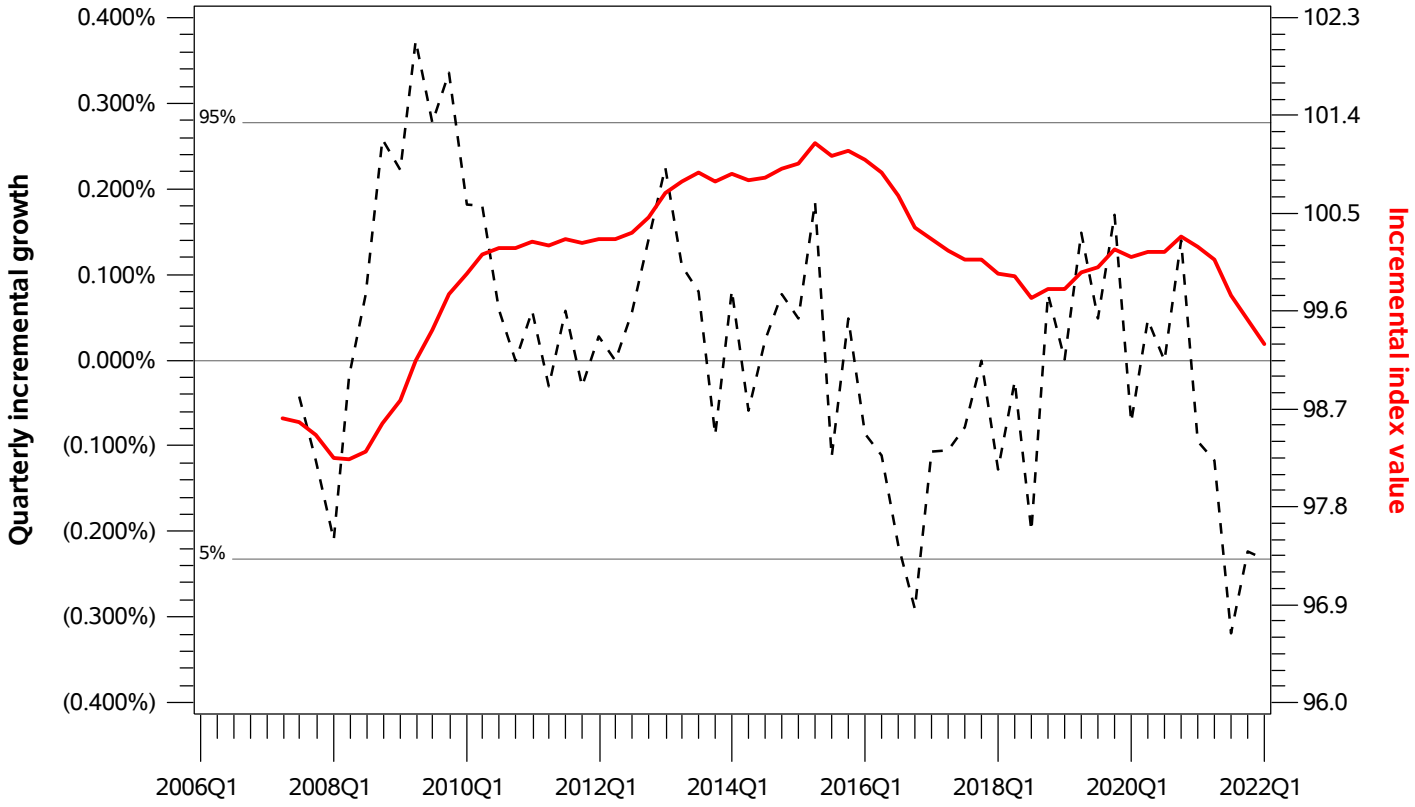


Table 78. ECI: W&S(PRIV) All nonunion workers incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000000520I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.0838	Z_{Tau}	-4.4598
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0007

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0018	AR(1) coefficient	-0.4288
Standard error	0.0048	Standard error	0.1197
t-statistic	-0.3714	t-statistic	-3.5837
Probability t	0.7117	Durbin-Watson	2.2662

Estimated incremental annual growth rate: (0.007%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

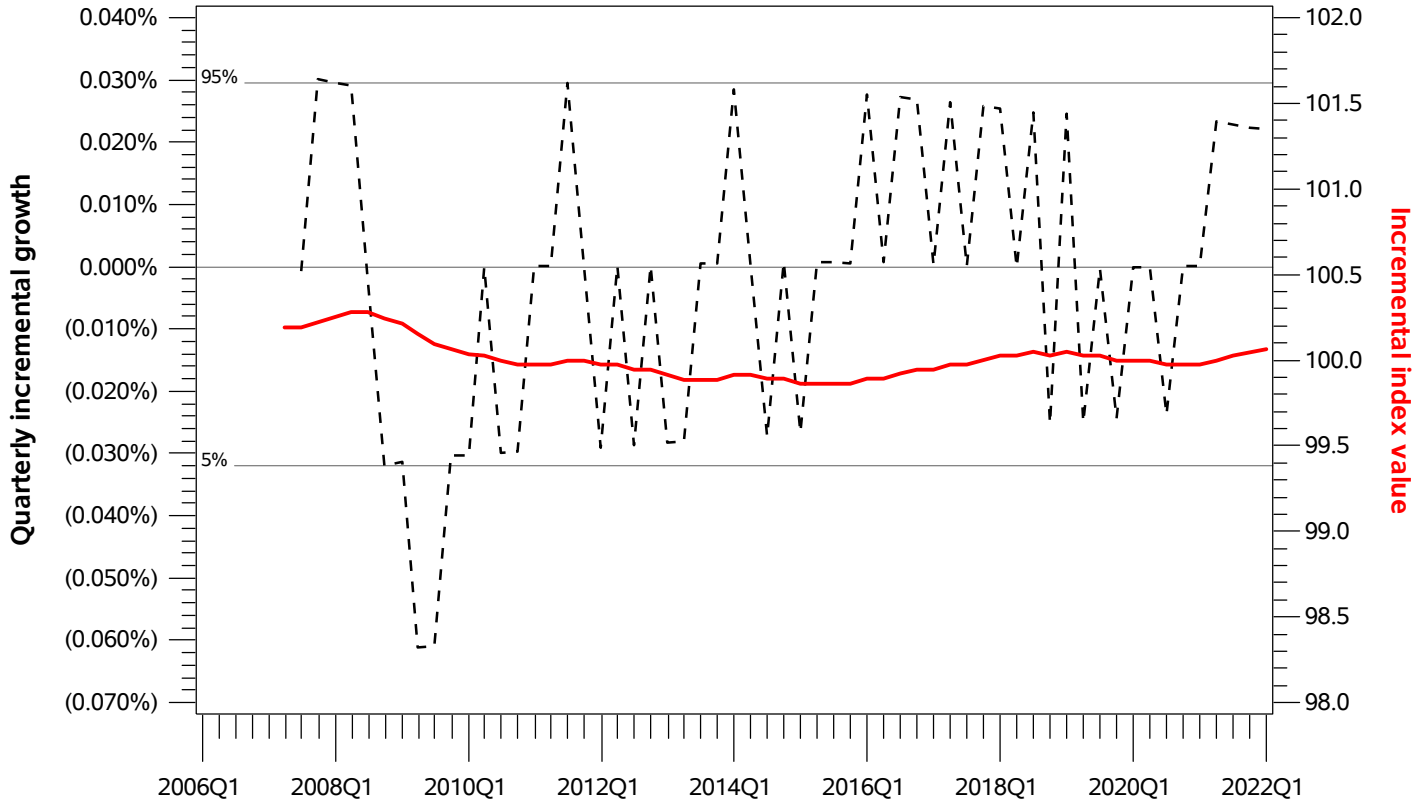


Table 79. ECI: W&S(PRIV) All workers, excluding incentive paid incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000000710I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.6090	Z_{Tau}	-4.3425
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0009

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0114	AR(1) coefficient	-0.4716
Standard error	0.0145	Standard error	0.1168
t-statistic	-0.7906	t-statistic	-4.0380
Probability t	0.4325	Durbin-Watson	2.1107

Estimated incremental annual growth rate: (0.046%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

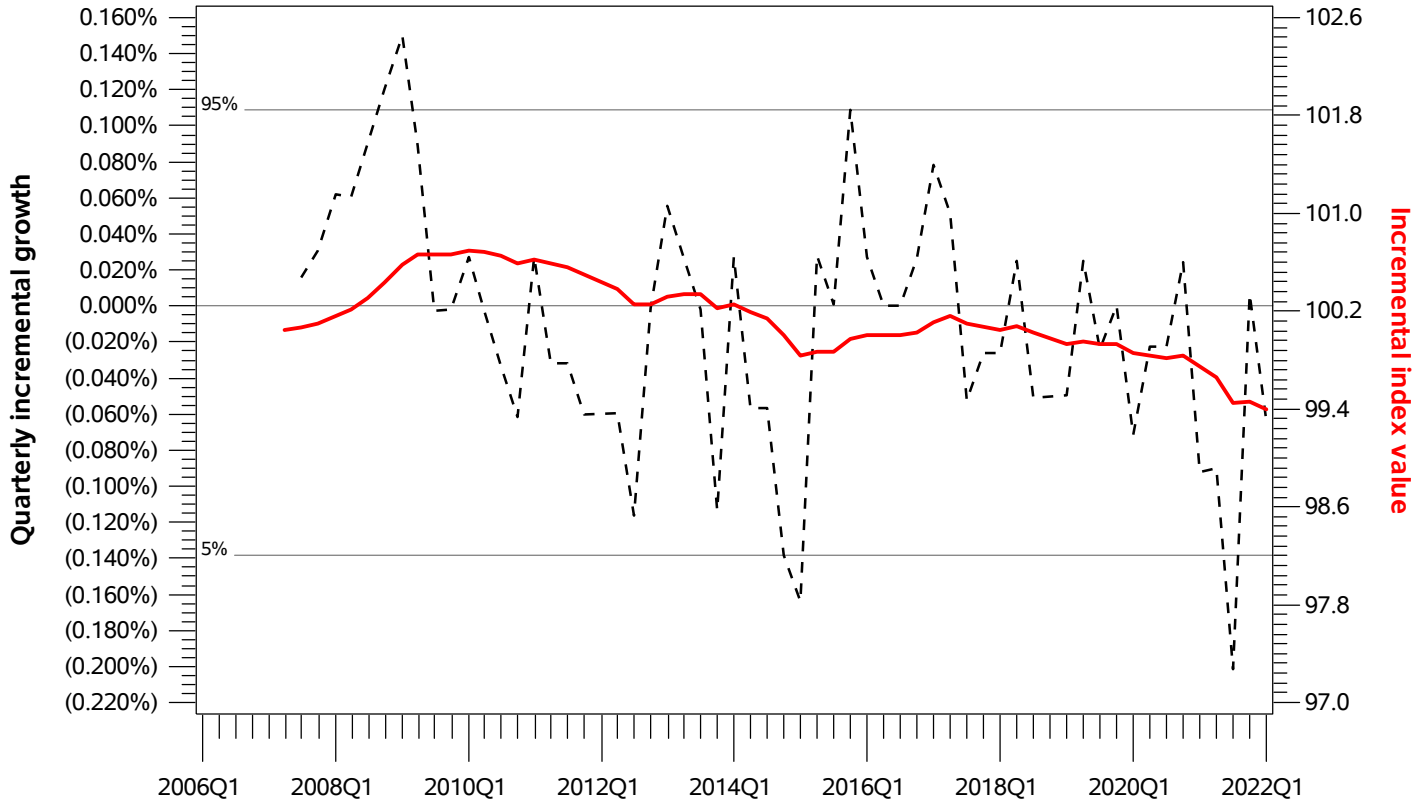


Table 80. ECI: W&S(PRIV) Management, professional, and related incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000100000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-15.9464	Z_{Tau}	-2.9908
Prob Z_{Rho}	0.0227	Prob Z_{Tau}	0.0415

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0511	AR(1) coefficient	-0.7269
Standard error	0.0340	Standard error	0.0910
t-statistic	-1.5020	t-statistic	-7.9920
Probability t	0.1386	Durbin-Watson	1.9367

Estimated incremental annual growth rate: (0.204%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

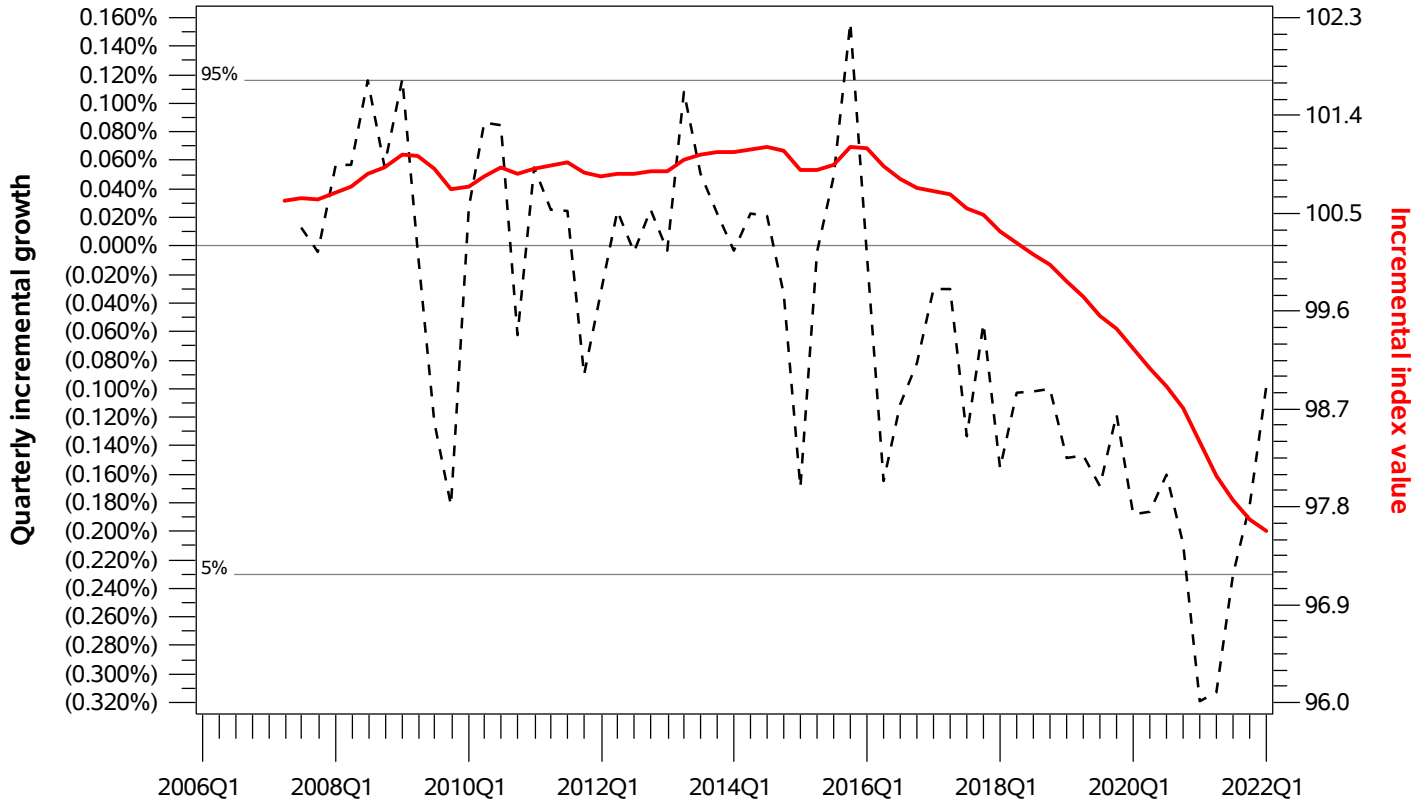


Table 81. ECI: W&S(PRIV) Management, professional, and related; excluding incentive paid incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000100710I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-11.3457	Z_{Tau}	-2.4356
Prob Z_{Rho}	0.0825	Prob Z_{Tau}	0.1364

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0750	AR(1) coefficient	-0.8014
Standard error	0.0447	Standard error	0.0792
t-statistic	-1.6793	t-statistic	-10.1167
Probability t	0.0986	Durbin-Watson	1.7794

Estimated incremental annual growth rate: (0.300%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.300%)

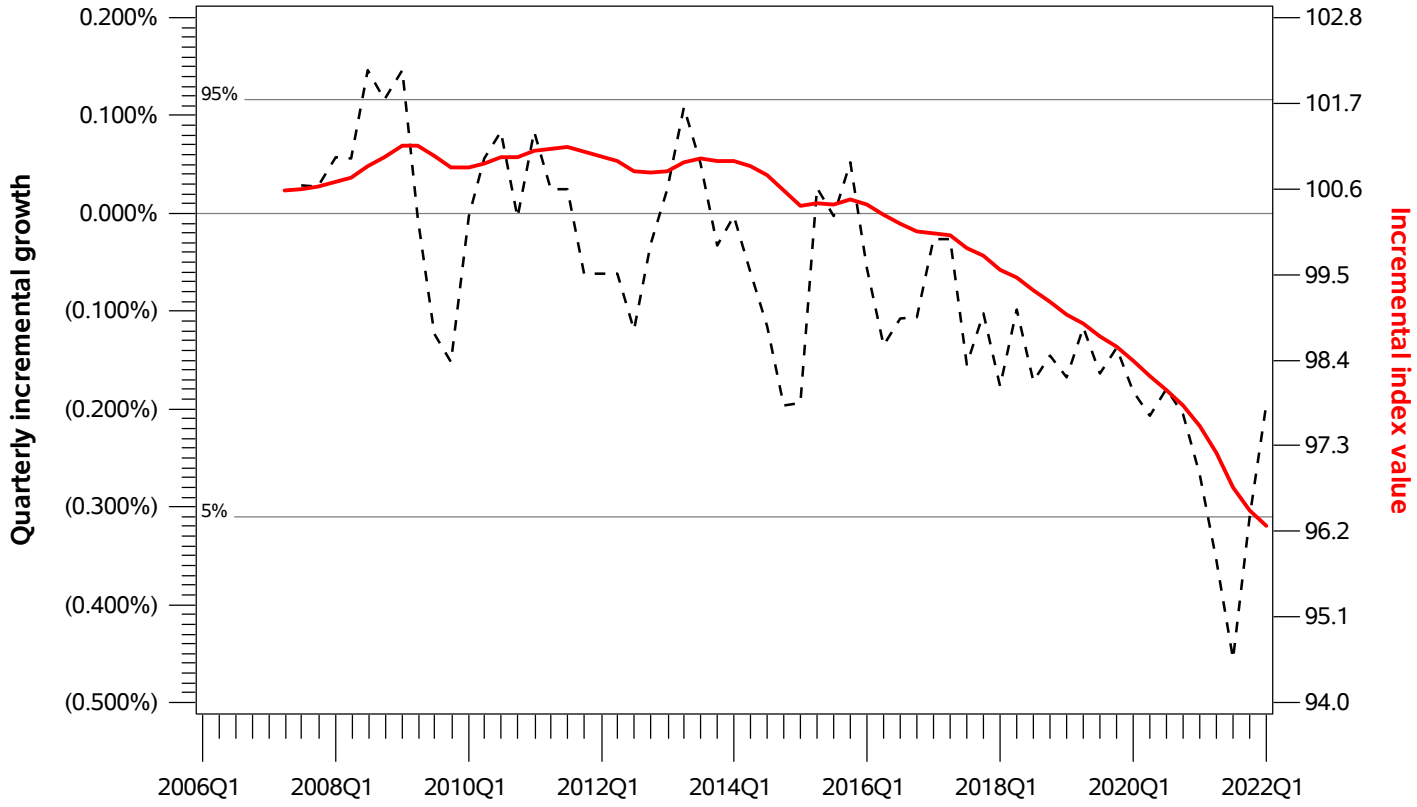


Table 82. ECI: W&S(PRIV) Management, business, and financial incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000110000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.0878	Z_{Tau}	-4.1772
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0015

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0296	AR(1) coefficient	-0.5592
Standard error	0.0365	Standard error	0.1098
t-statistic	-0.8119	t-statistic	-5.0921
Probability t	0.4202	Durbin-Watson	1.6402

Estimated incremental annual growth rate: (0.119%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

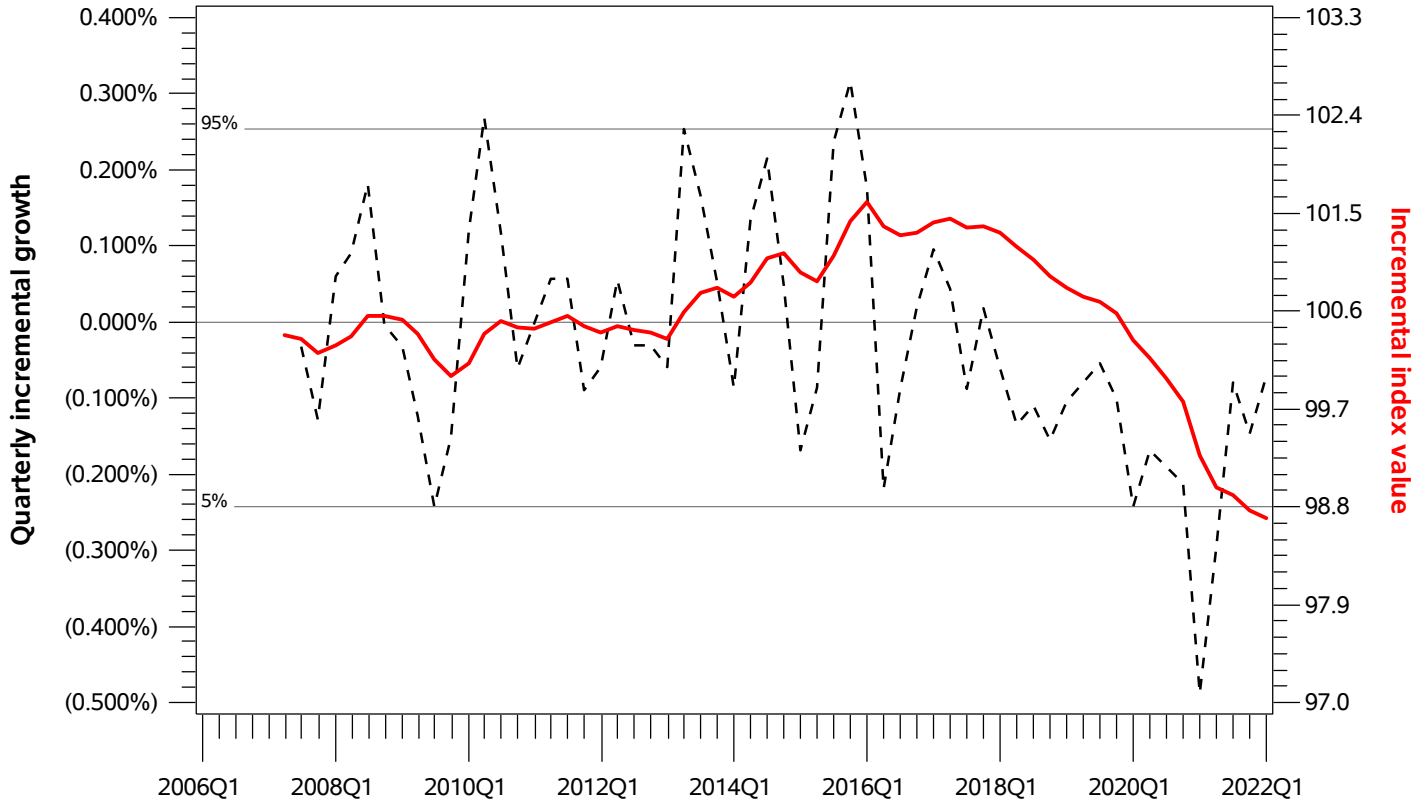


Table 83. ECI: W&S(PRIV) Management, business, and financial; excluding incentive paid incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000110710I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-14.4192	Z_{Tau}	-2.7237
Prob Z_{Rho}	0.0352	Prob Z_{Tau}	0.0760

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0760	AR(1) coefficient	-0.7478
Standard error	0.0524	Standard error	0.0879
t-statistic	-1.4502	t-statistic	-8.5032
Probability t	0.1525	Durbin-Watson	1.7446

Estimated incremental annual growth rate: (0.304%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

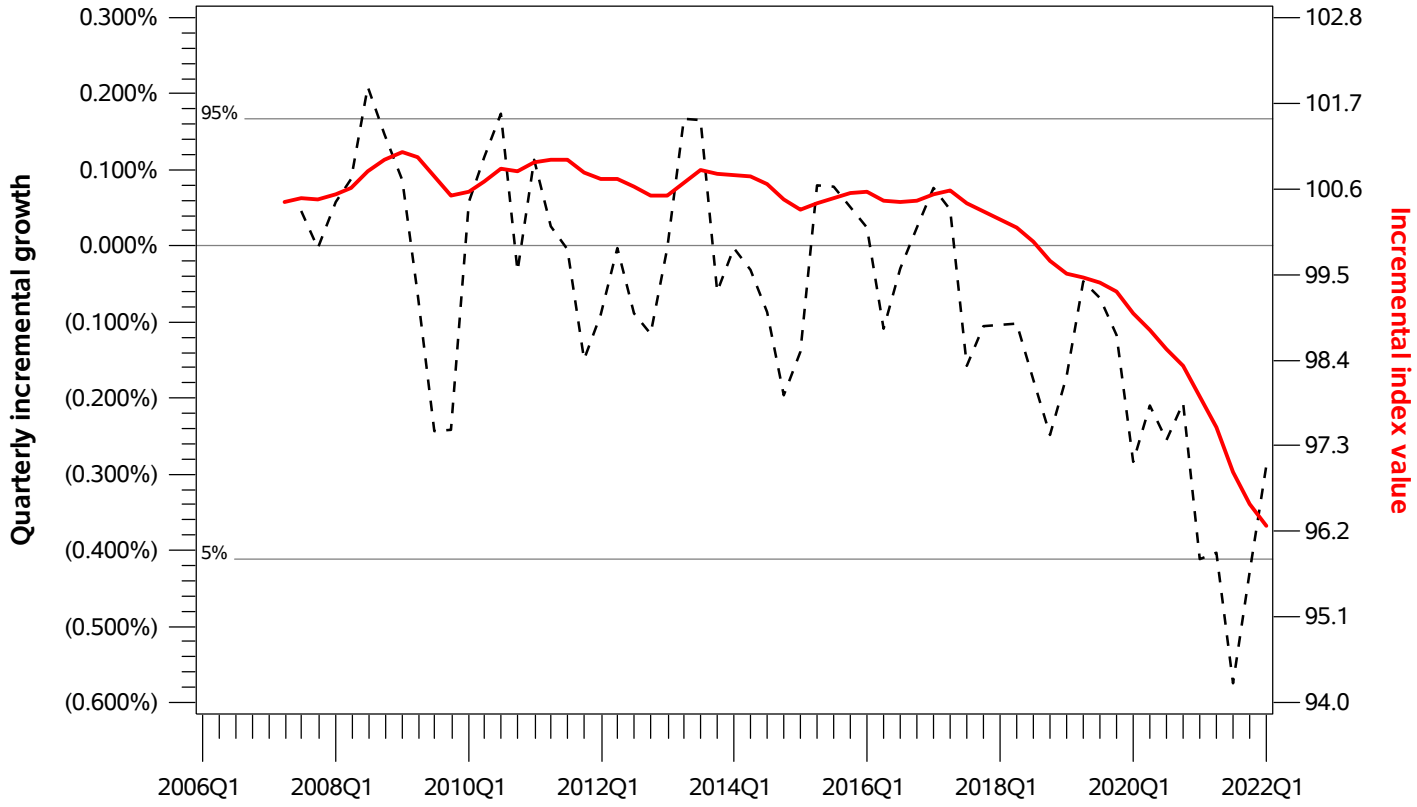


Table 84. ECI: W&S(PRIV) Professional and related incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000120000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-13.9152	Z_{Tau}	-2.8690
Prob Z_{Rho}	0.0406	Prob Z_{Tau}	0.0551

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0654	AR(1) coefficient	-0.7254
Standard error	0.0352	Standard error	0.0912
t-statistic	-1.8573	t-statistic	-7.9573
Probability t	0.0684	Durbin-Watson	2.2022

Estimated incremental annual growth rate: (0.261%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.261%)

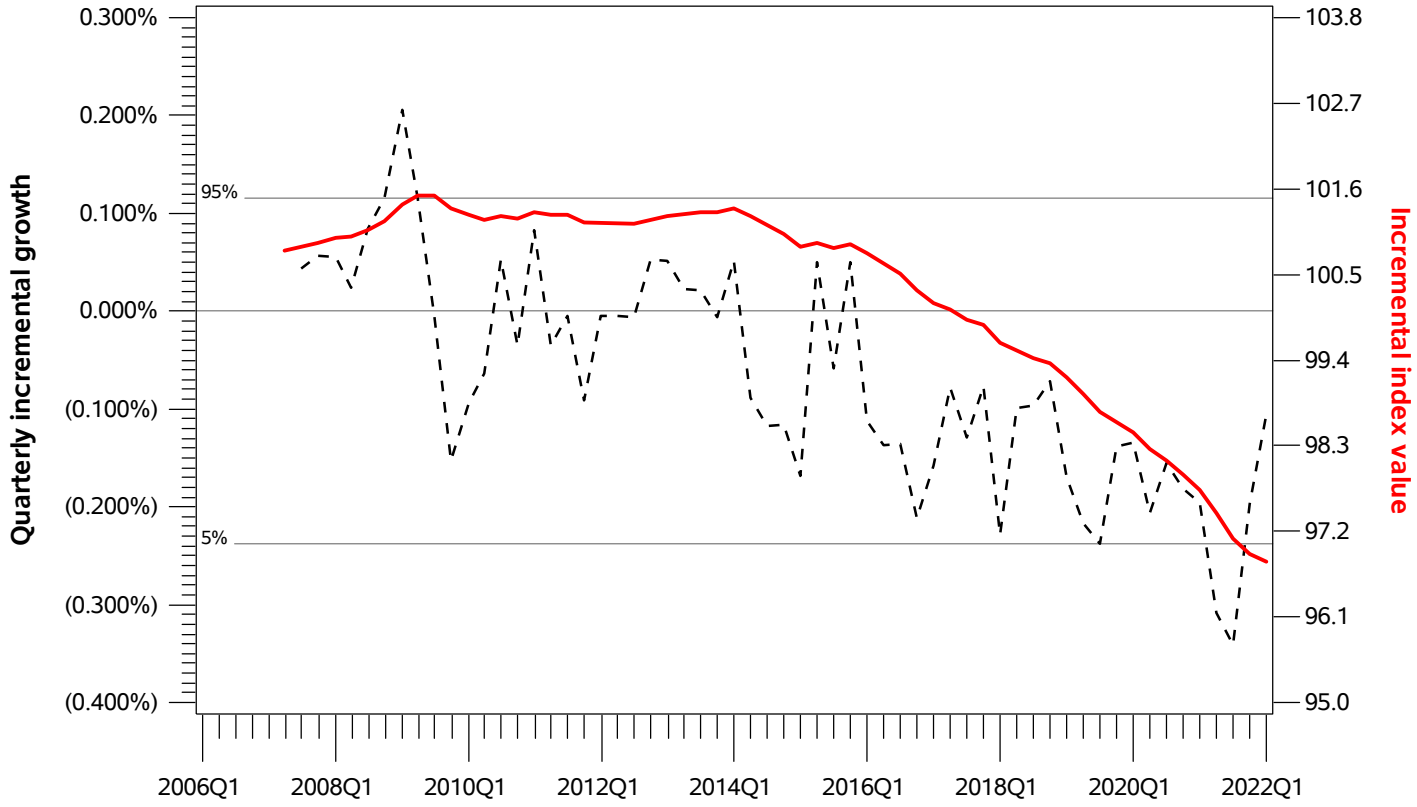


Table 85. ECI: W&S(PRIV) Sales and office incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000200000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-35.5230	Z_{Tau}	-5.0283
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0296	AR(1) coefficient	-0.3778
Standard error	0.0298	Standard error	0.1226
t-statistic	0.9921	t-statistic	-3.0802
Probability t	0.3254	Durbin-Watson	2.0352

Estimated incremental annual growth rate: 0.118%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

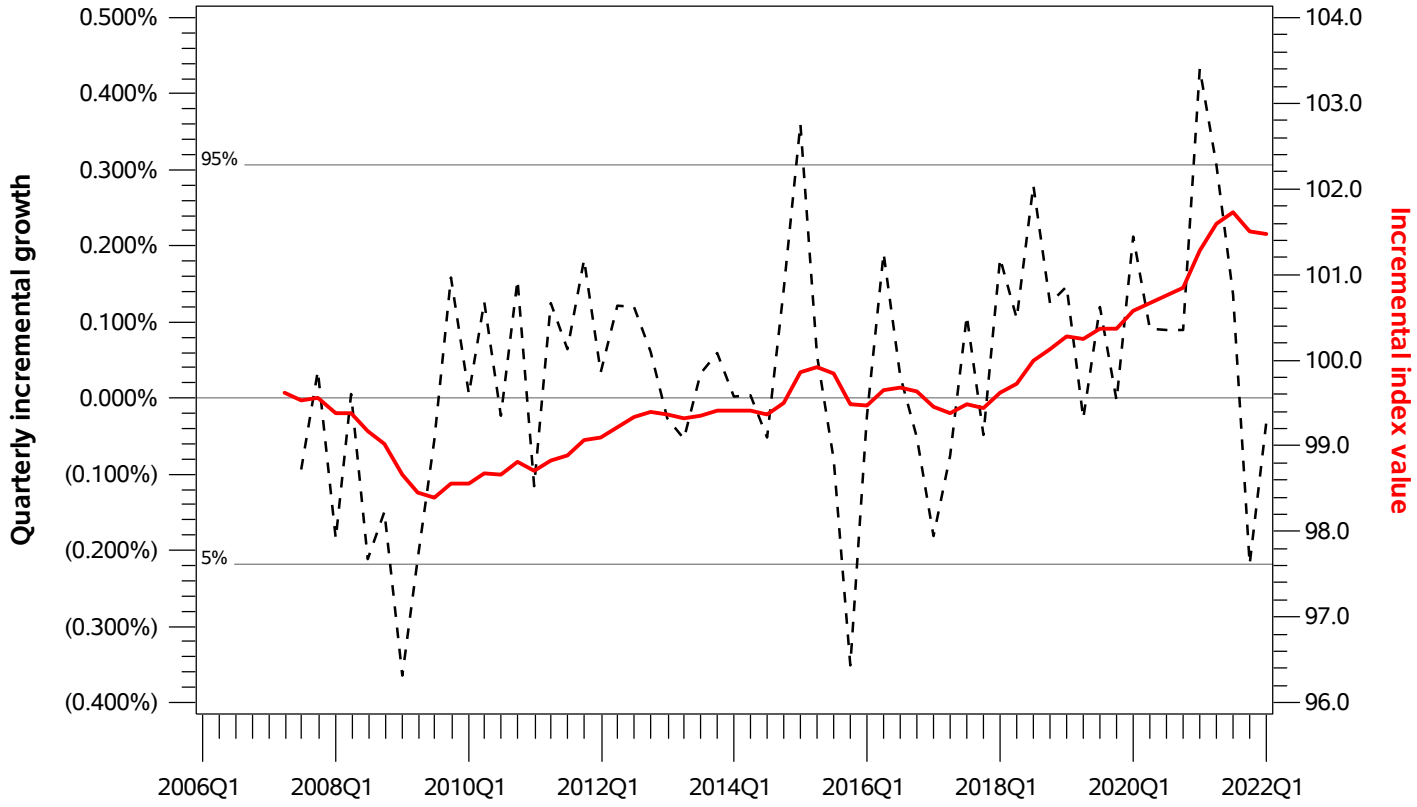


Table 86. ECI: W&S(PRIV) Sales and office, excluding incentive paid incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000200710I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-27.3769	Z_{Tau}	-4.2483
Prob Z_{Rho}	0.0007	Prob Z_{Tau}	0.0012

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0329	AR(1) coefficient	-0.4875
Standard error	0.0207	Standard error	0.1157
t-statistic	1.5927	t-statistic	-4.2149
Probability t	0.1168	Durbin-Watson	2.1554

Estimated incremental annual growth rate: 0.132%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

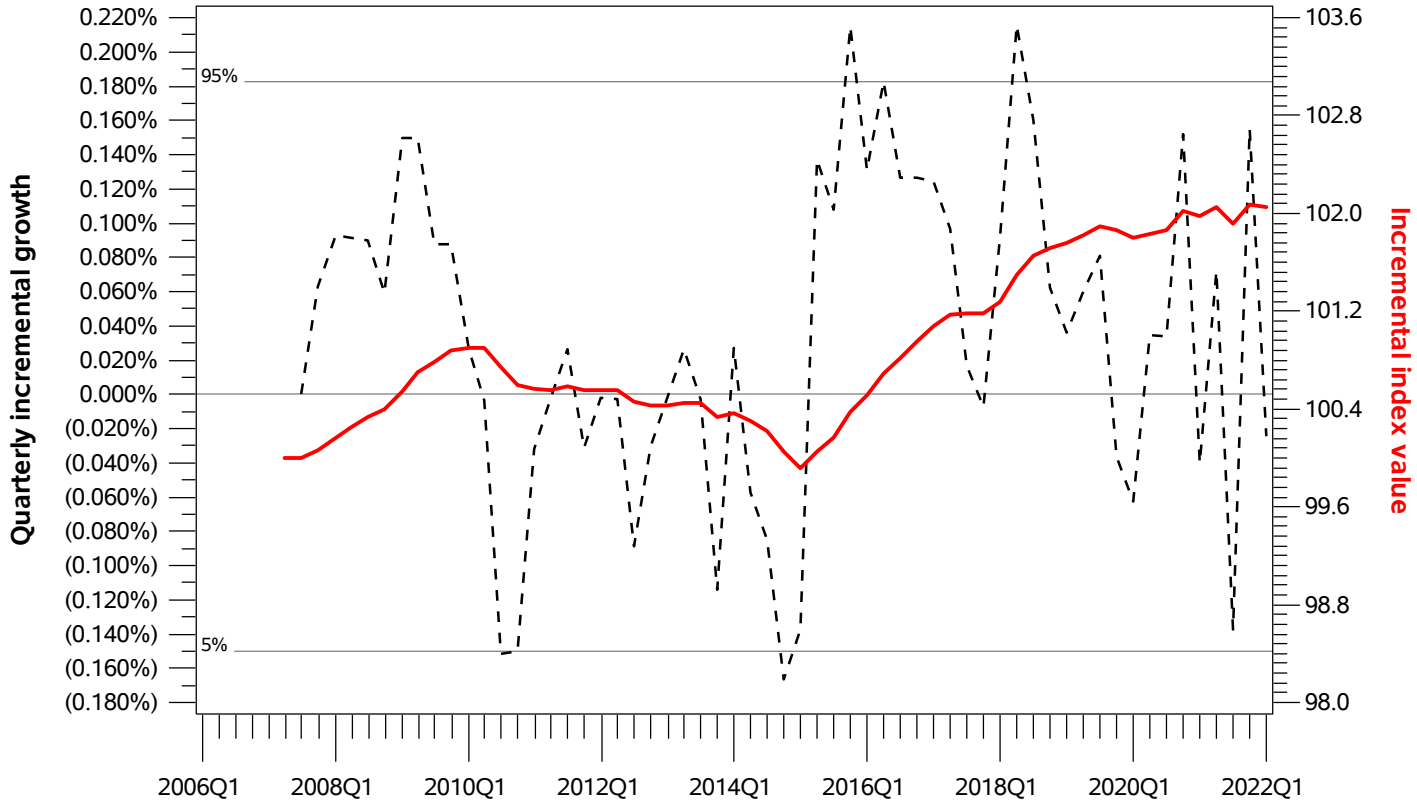


Table 87. ECI: W&S(PRIV) Sales and related incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000210000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-32.4922	Z_{Tau}	-4.7060
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0003

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0262	AR(1) coefficient	-0.4289
Standard error	0.0825	Standard error	0.1196
t-statistic	0.3178	t-statistic	-3.5850
Probability t	0.7518	Durbin-Watson	2.0514

Estimated incremental annual growth rate: 0.105%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

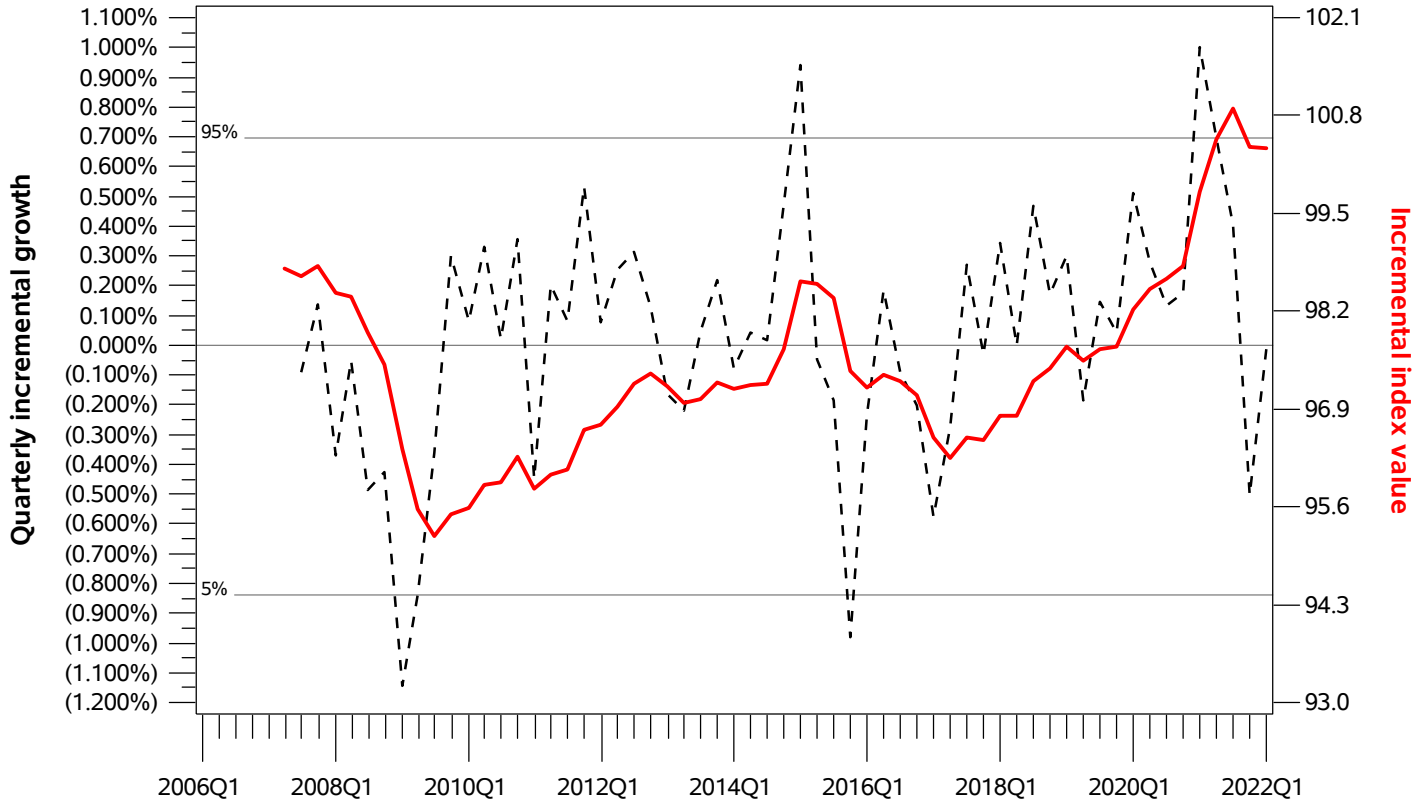


Table 88. ECI: W&S(PRIV) Sales and related, excluding incentive paid incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000210710I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-27.8239	Z_{Tau}	-4.3751
Prob Z_{Rho}	0.0006	Prob Z_{Tau}	0.0008

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0442	AR(1) coefficient	-0.4580
Standard error	0.0362	Standard error	0.1177
t-statistic	1.2228	t-statistic	-3.8896
Probability t	0.2264	Durbin-Watson	2.2617

Estimated incremental annual growth rate: 0.177%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

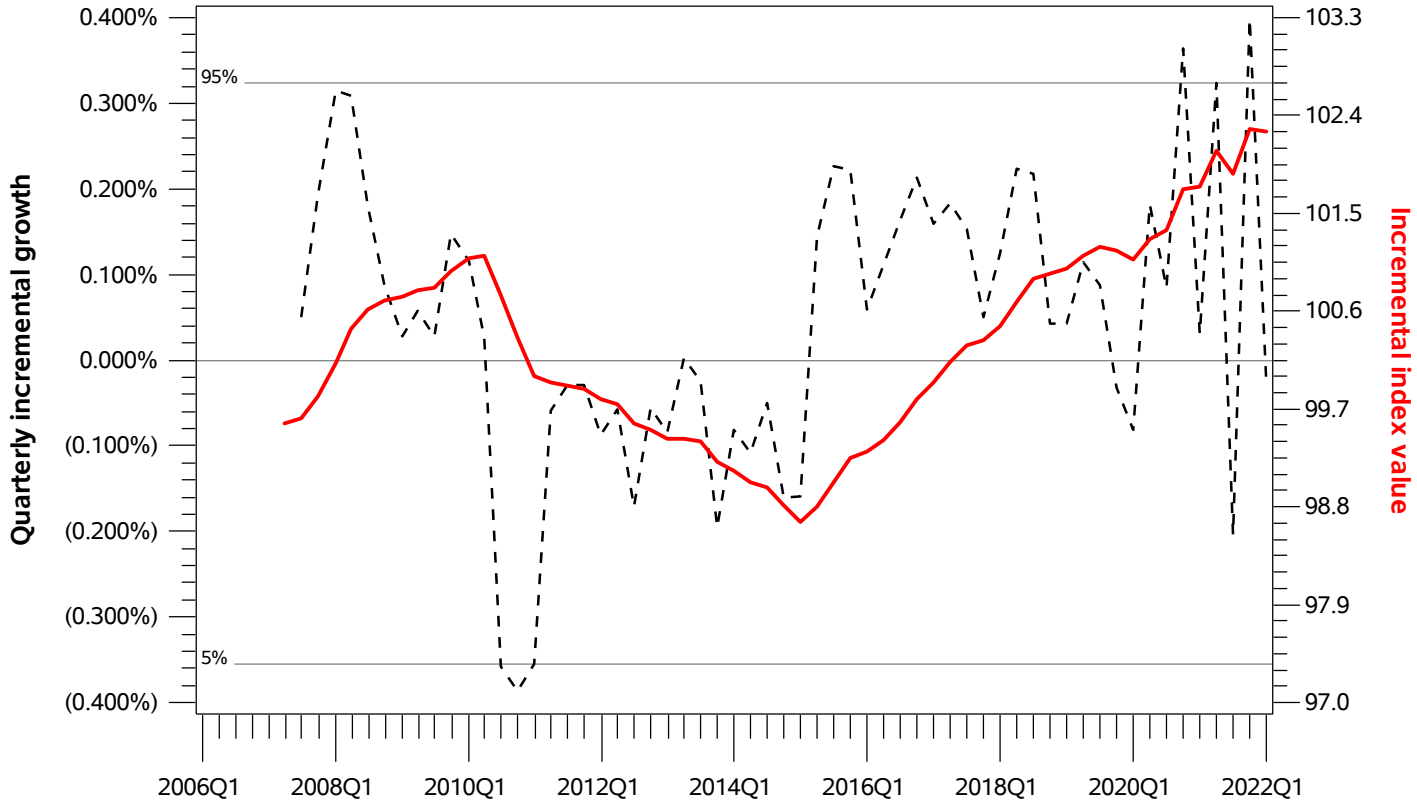


Table 89. ECI: W&S(PRIV) Office and administrative support incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000220000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.2196	Z_{Tau}	-4.0756
Prob Z_{Rho}	0.0010	Prob Z_{Tau}	0.0021

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0284	AR(1) coefficient	-0.5494
Standard error	0.0219	Standard error	0.1107
t-statistic	1.2989	t-statistic	-4.9637
Probability t	0.1992	Durbin-Watson	1.8993

Estimated incremental annual growth rate: 0.114%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

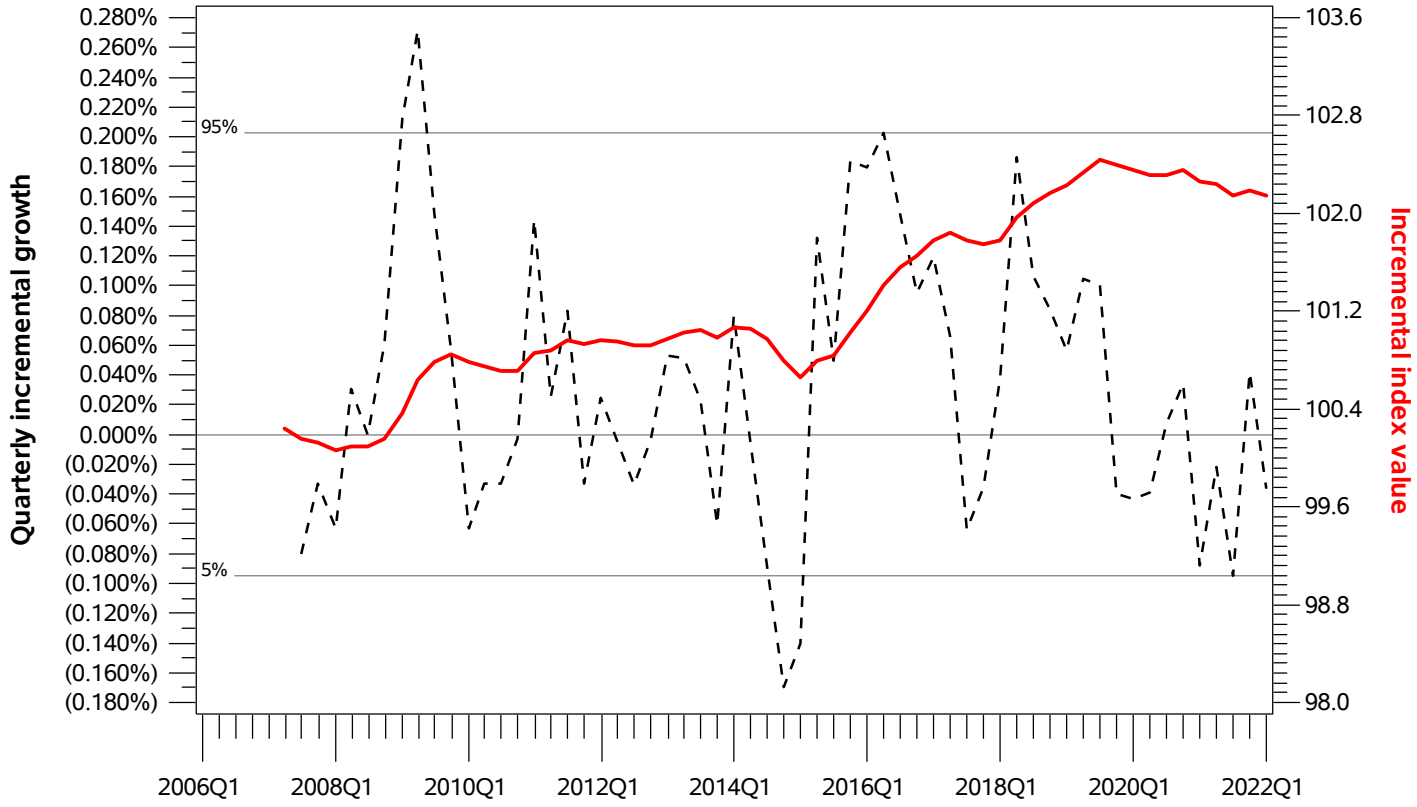


Table 90. ECI: W&S(PRIV) Service occupations incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000300000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-9.9847	Z_{Tau}	-2.2121
Prob Z_{Rho}	0.1189	Prob Z_{Tau}	0.2041

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1095	AR(1) coefficient	-0.7956
Standard error	0.0786	Standard error	0.0802
t-statistic	1.3927	t-statistic	-9.9140
Probability t	0.1691	Durbin-Watson	1.9327

Estimated incremental annual growth rate: 0.439%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

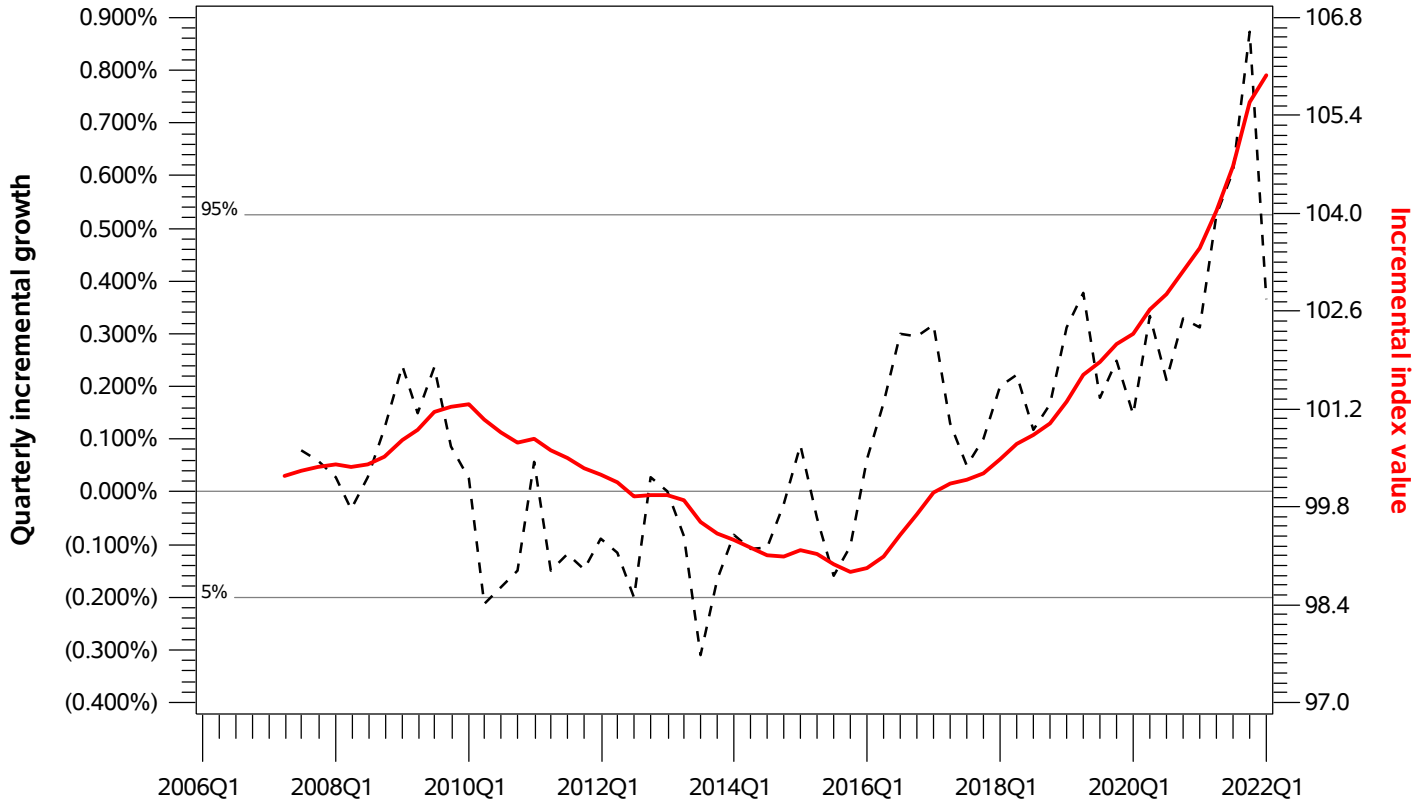


Table 91. ECI: W&S(PRIV) Natural resources, construction, and maintenance incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000400000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-30.7889	Z_{Tau}	-4.6162
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0004

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0278	AR(1) coefficient	-0.4036
Standard error	0.0235	Standard error	0.1212
t-statistic	-1.1833	t-statistic	-3.3308
Probability t	0.2416	Durbin-Watson	2.1200

Estimated incremental annual growth rate: (0.111%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

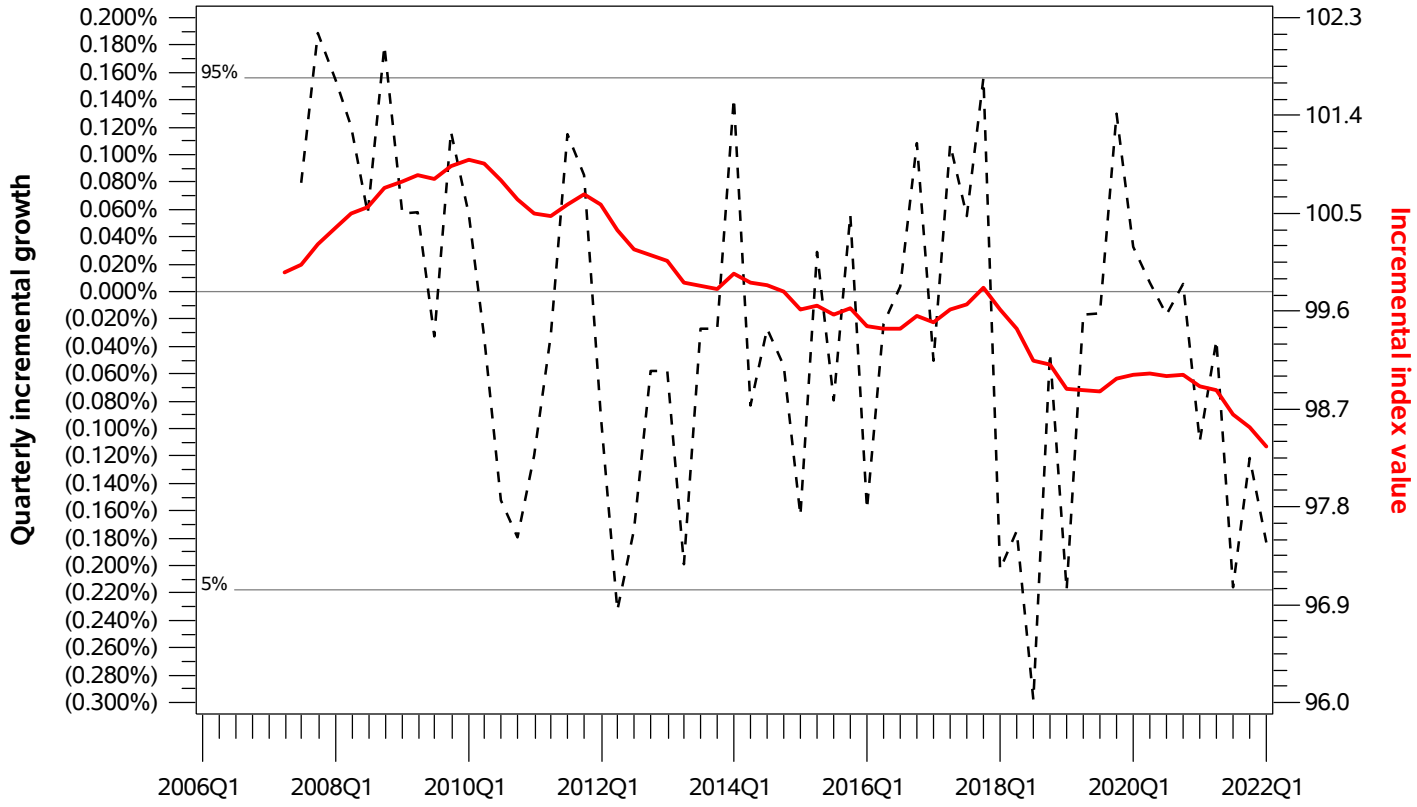


Table 92. ECI: W&S(PRIV) Construction, extraction, farming, fishing, and forestry occupations incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000405000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.0869	Z_{Tau}	-4.0412
Prob Z_{Rho}	0.0014	Prob Z_{Tau}	0.0023

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0379	AR(1) coefficient	-0.4875
Standard error	0.0321	Standard error	0.1156
t-statistic	-1.1777	t-statistic	-4.2155
Probability t	0.2438	Durbin-Watson	2.2208

Estimated incremental annual growth rate: (0.151%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

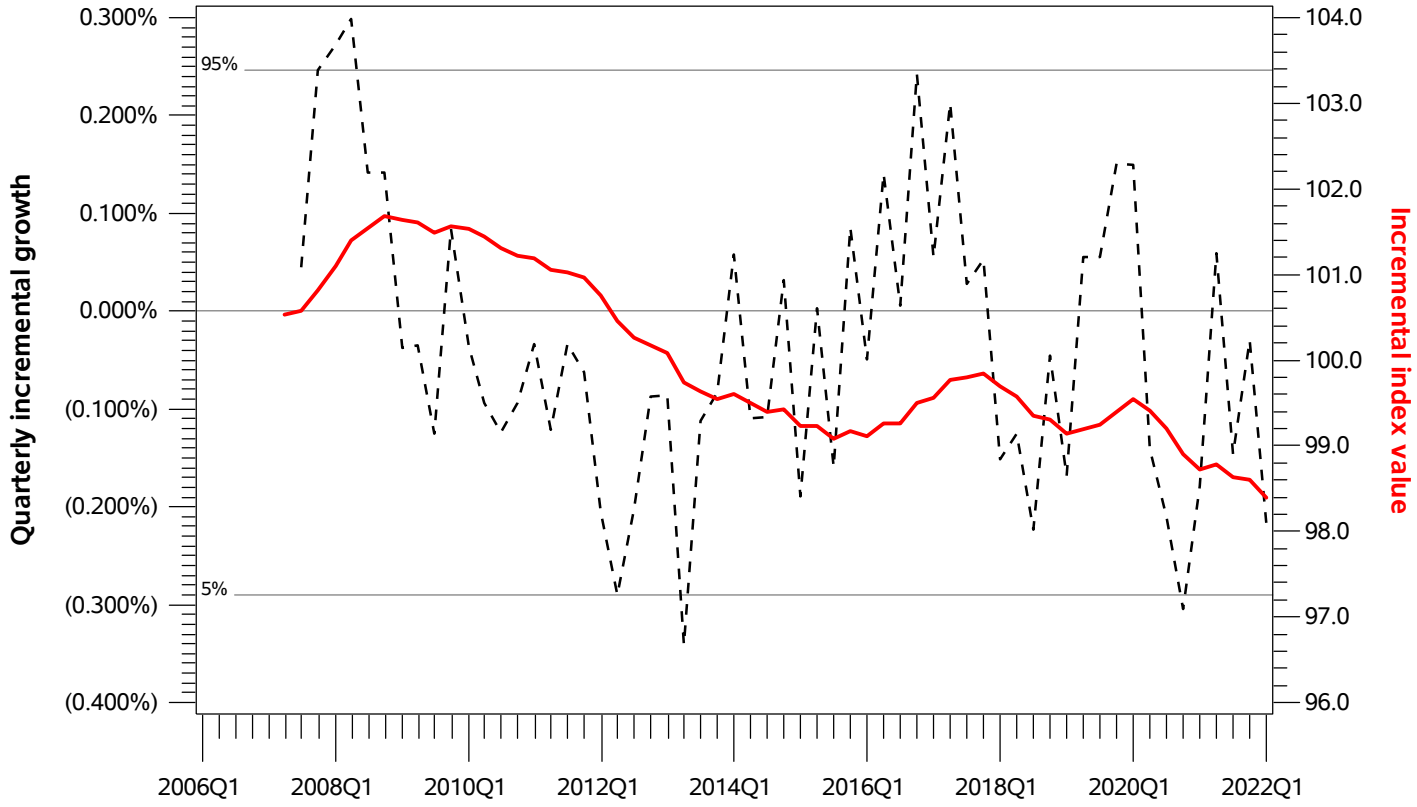


Table 93. ECI: W&S(PRIV) Installation, maintenance, and repair incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000430000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-31.7931	Z_{Tau}	-4.5231
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0170	AR(1) coefficient	-0.4599
Standard error	0.0361	Standard error	0.1176
t-statistic	-0.4720	t-statistic	-3.9101
Probability t	0.6387	Durbin-Watson	1.8792

Estimated incremental annual growth rate: (0.068%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

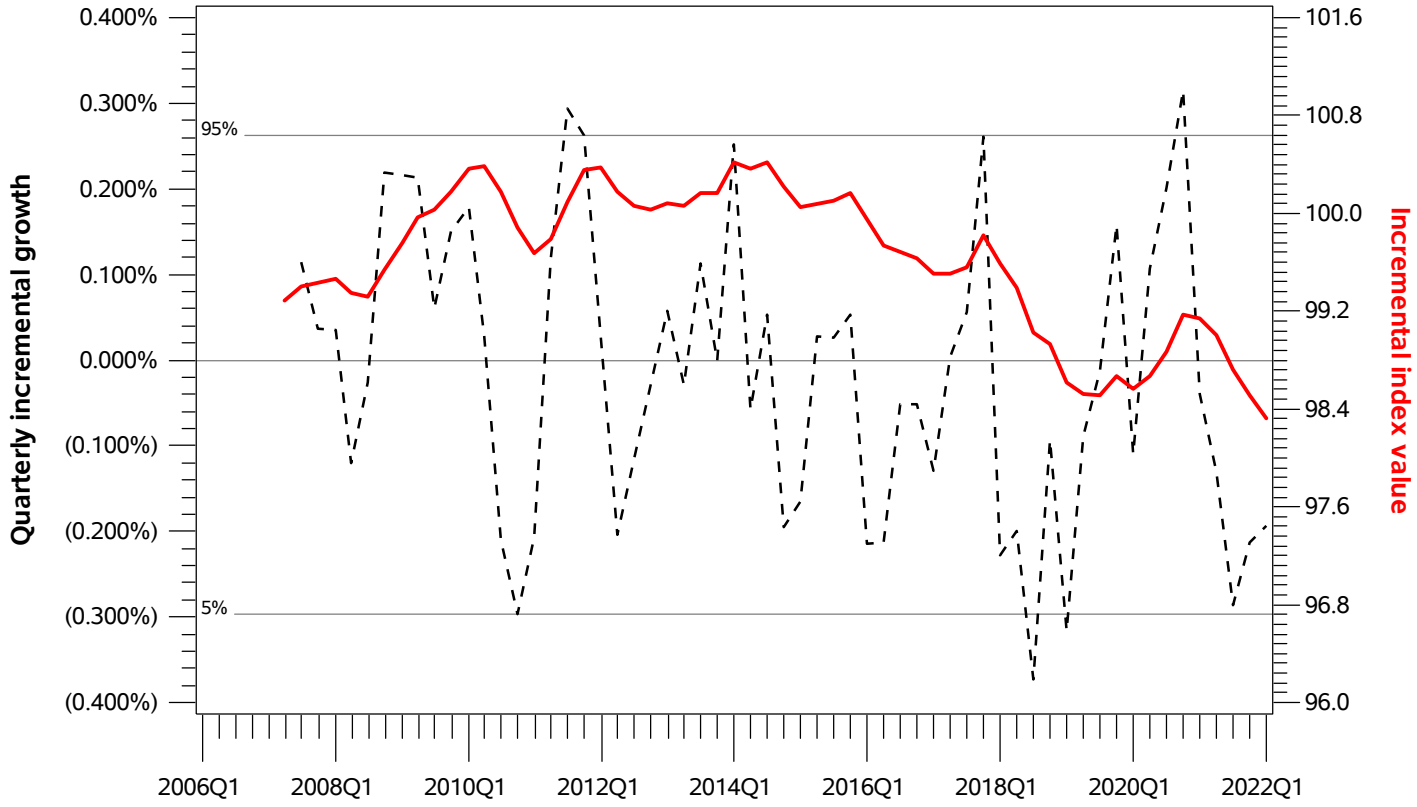


Table 94. ECI: W&S(PRIV) Production, transportation, and material moving incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000500000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.7883	Z_{Tau}	-4.0499
Prob Z_{Rho}	0.0021	Prob Z_{Tau}	0.0022

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0603	AR(1) coefficient	-0.5302
Standard error	0.0251	Standard error	0.1123
t-statistic	2.4053	t-statistic	-4.7210
Probability t	0.0194	Durbin-Watson	2.1717

Estimated incremental annual growth rate: 0.242%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.242%

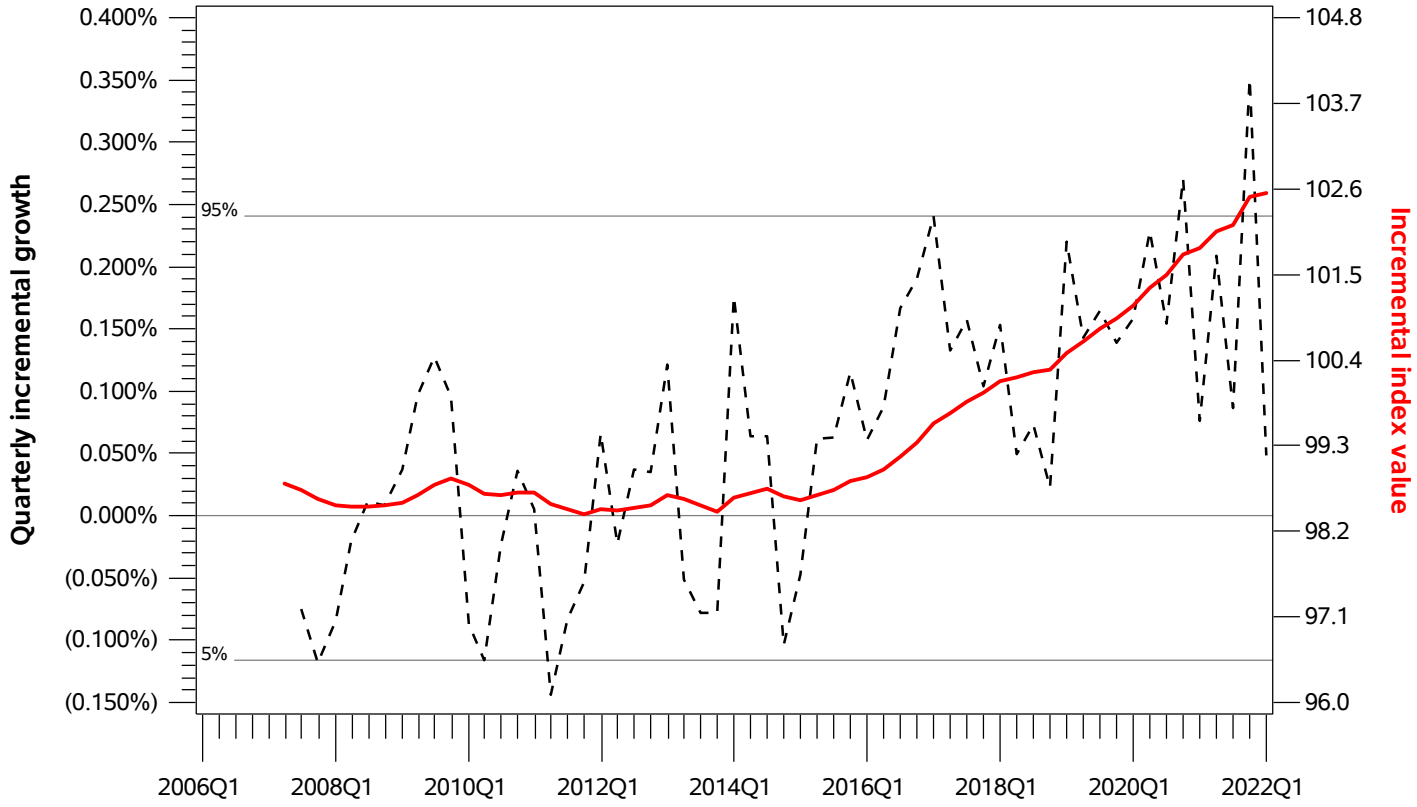


Table 95. ECI: W&S(PRIV) Production, transportation, and material moving; excluding incentive paid incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000500710I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.8483	Z_{Tau}	-4.3024
Prob Z_{Rho}	0.0008	Prob Z_{Tau}	0.0010

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0577	AR(1) coefficient	-0.4849
Standard error	0.0244	Standard error	0.1158
t-statistic	2.3690	t-statistic	-4.1865
Probability t	0.0212	Durbin-Watson	2.1618

Estimated incremental annual growth rate: 0.231%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.231%

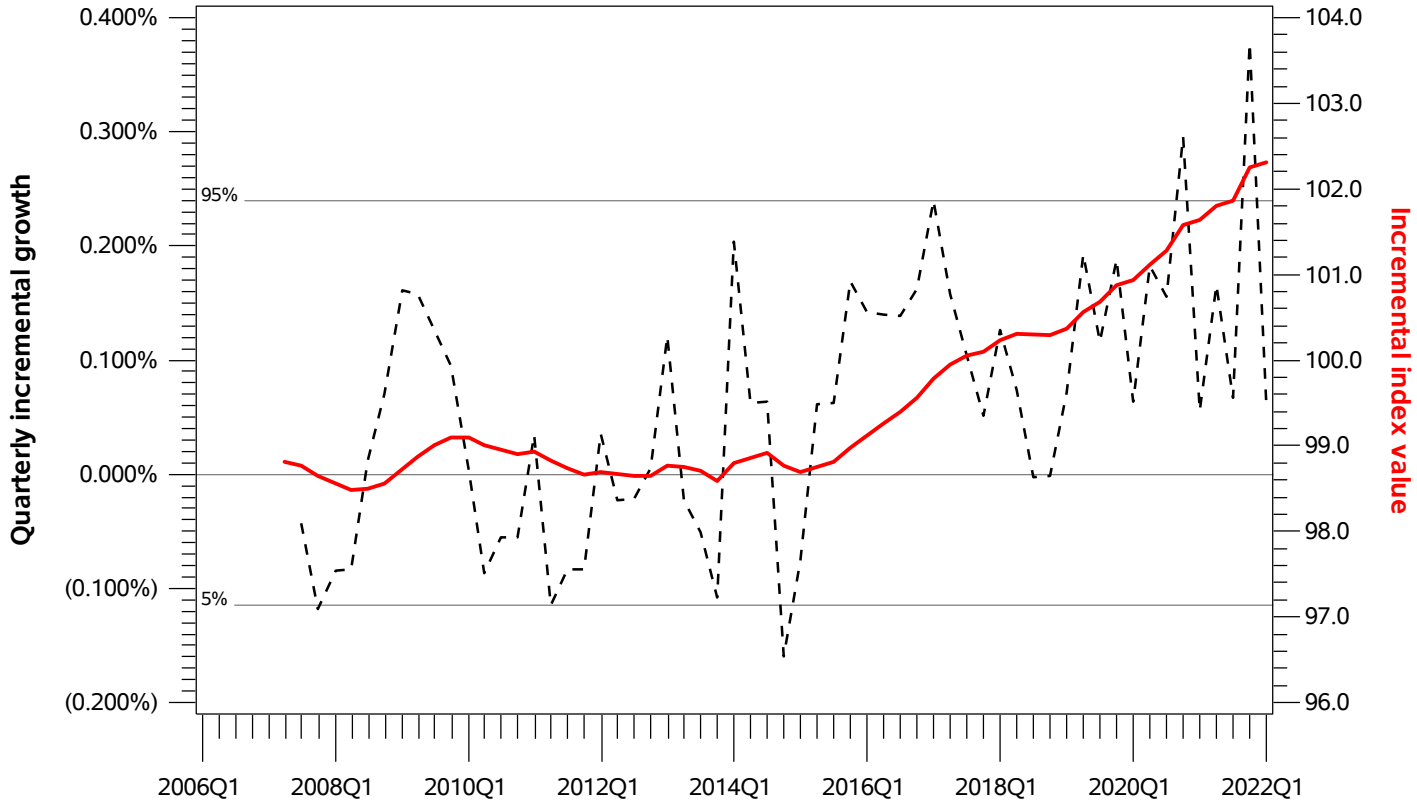


Table 96. ECI: W&S(PRIV) Production incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000510000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.5459	Z_{Tau}	-4.6340
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0004

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0197	AR(1) coefficient	-0.4250
Standard error	0.0221	Standard error	0.1199
t-statistic	0.8918	t-statistic	-3.5452
Probability t	0.3763	Durbin-Watson	2.1487

Estimated incremental annual growth rate: 0.079%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

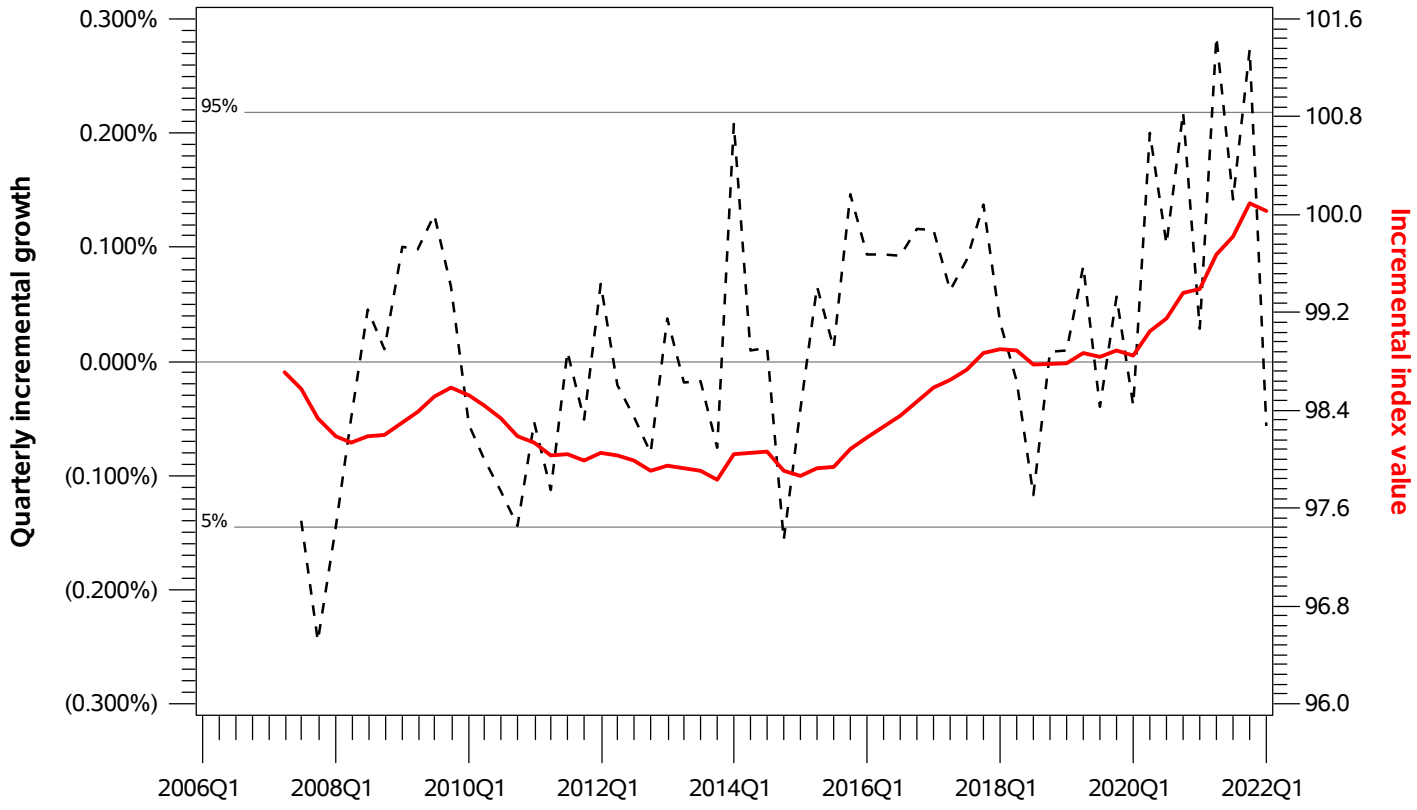


Table 97. ECI: W&S(PRIV) Production, exluding incentive paid incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000510710I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.0008	Z_{Tau}	-4.3222
Prob Z_{Rho}	0.0010	Prob Z_{Tau}	0.0010

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0256	AR(1) coefficient	-0.4890
Standard error	0.0245	Standard error	0.1155
t-statistic	1.0437	t-statistic	-4.2321
Probability t	0.3011	Durbin-Watson	2.0494

Estimated incremental annual growth rate: 0.102%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

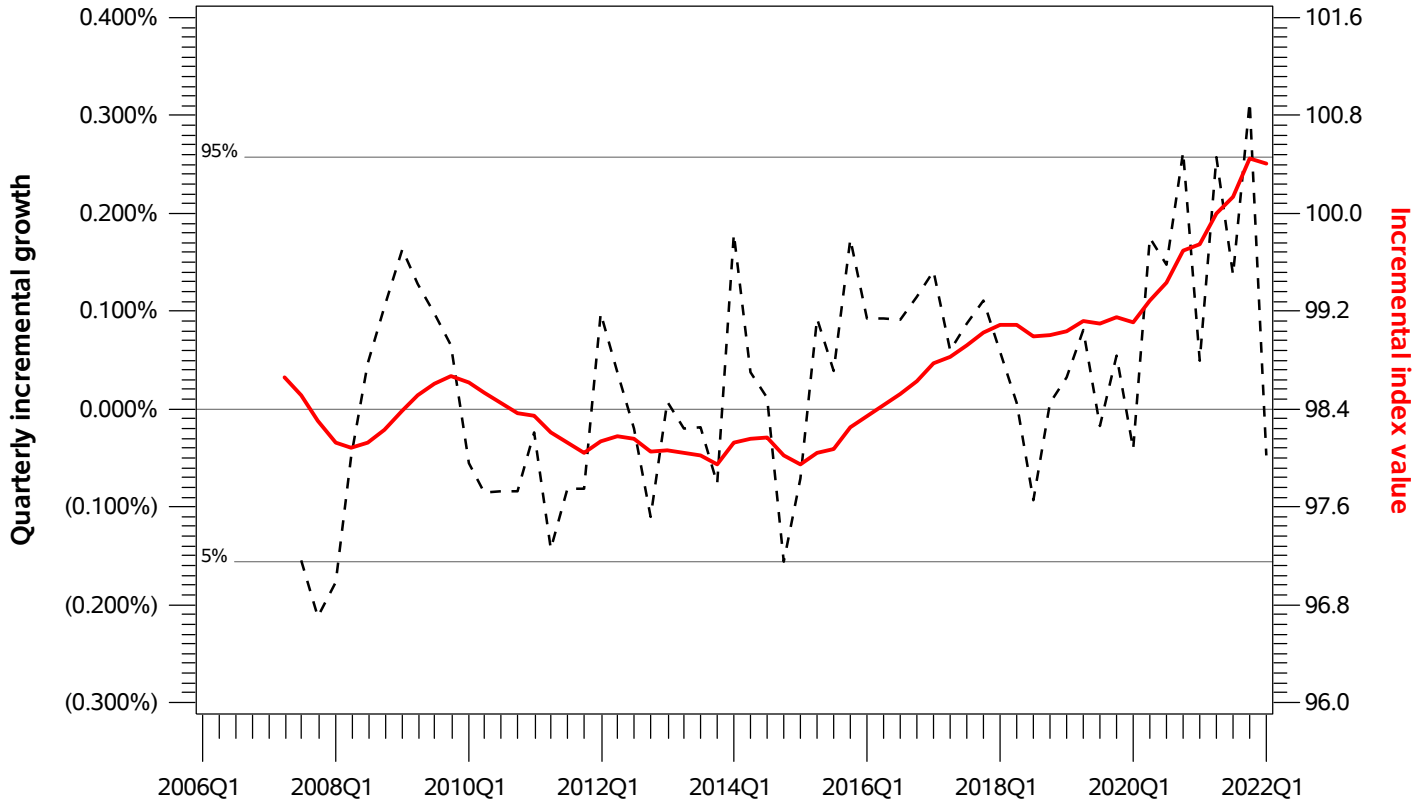


Table 98. ECI: W&S(PRIV) Transportation and material moving incremental growth over ECI: W&S(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2020000520000I and CIU2020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.5172	Z_{Tau}	-4.5311
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1079	AR(1) coefficient	-0.4400
Standard error	0.0316	Standard error	0.1189
t-statistic	3.4158	t-statistic	-3.6996
Probability t	0.0012	Durbin-Watson	2.2108

Estimated incremental annual growth rate: 0.432%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.432%

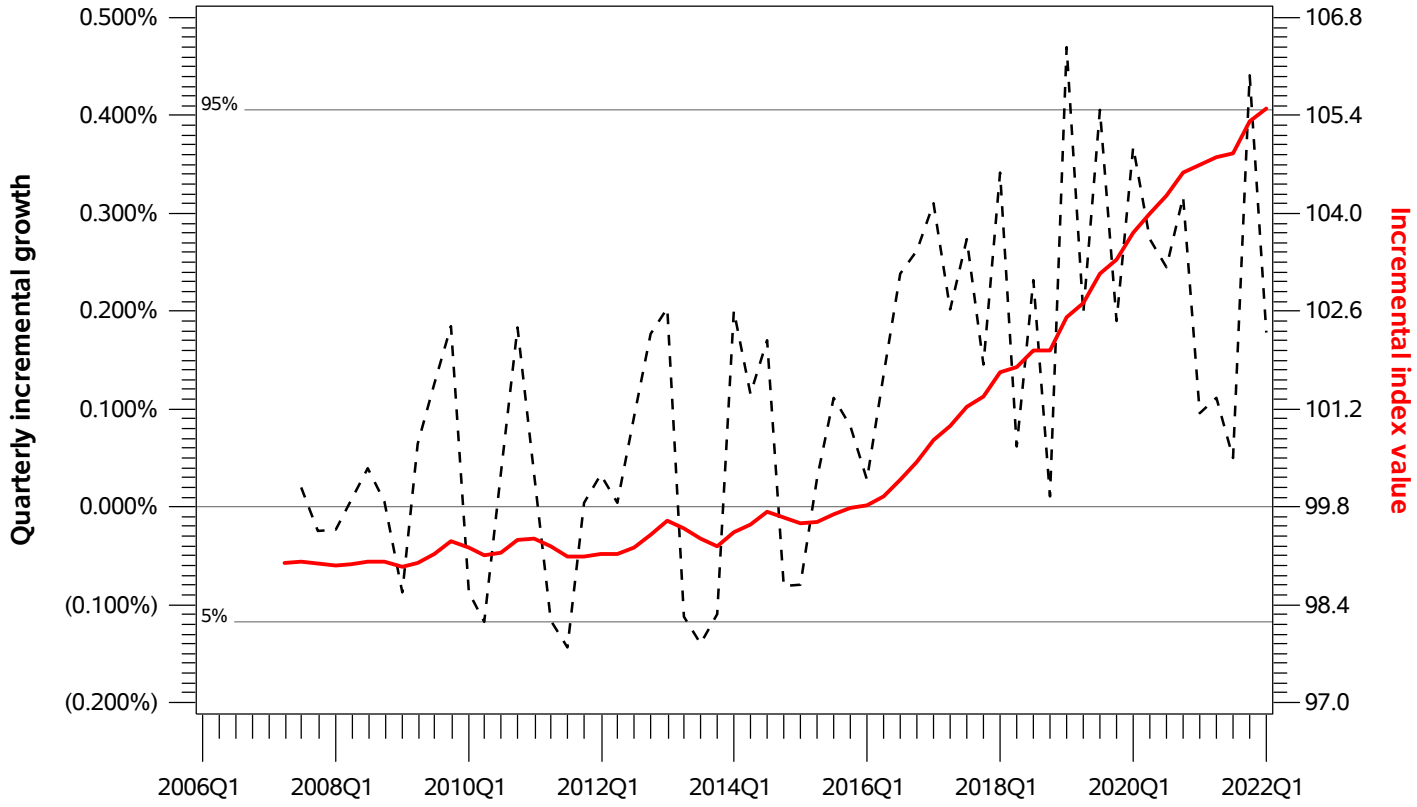


Table 99. ECI: W&S(PRIV) Construction incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU20223000000000I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-27.3207	Z_{Tau}	-4.1813
Prob Z_{Rho}	0.0007	Prob Z_{Tau}	0.0015

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0169	AR(1) coefficient	-0.5390
Standard error	0.0294	Standard error	0.1116
t-statistic	-0.5756	t-statistic	-4.8315
Probability t	0.5672	Durbin-Watson	1.7858

Estimated incremental annual growth rate: (0.068%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

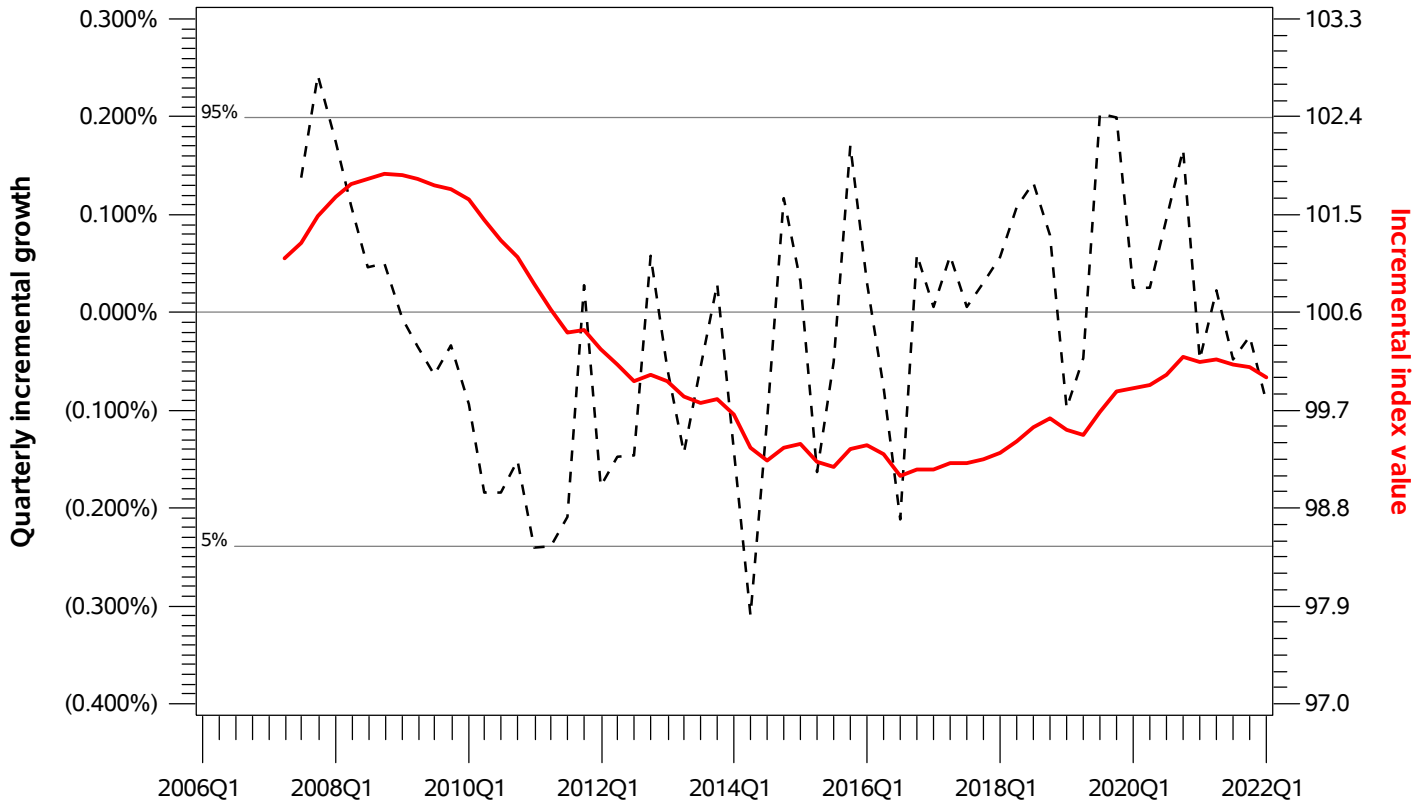


Table 100. ECI: W&S(PRIV) Union, manufacturing incremental growth over ECI: W&S(PRIV) Manufacturing

LABSTAT series identifiers: CIU20230000000510I and CIU20230000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-15.7399	Z_{Tau}	-2.9052
Prob Z_{Rho}	0.0241	Prob Z_{Tau}	0.0507

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0361	AR(1) coefficient	-0.7652
Standard error	0.0507	Standard error	0.0853
t-statistic	-0.7121	t-statistic	-8.9724
Probability t	0.4793	Durbin-Watson	1.5728

Estimated incremental annual growth rate: (0.144%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

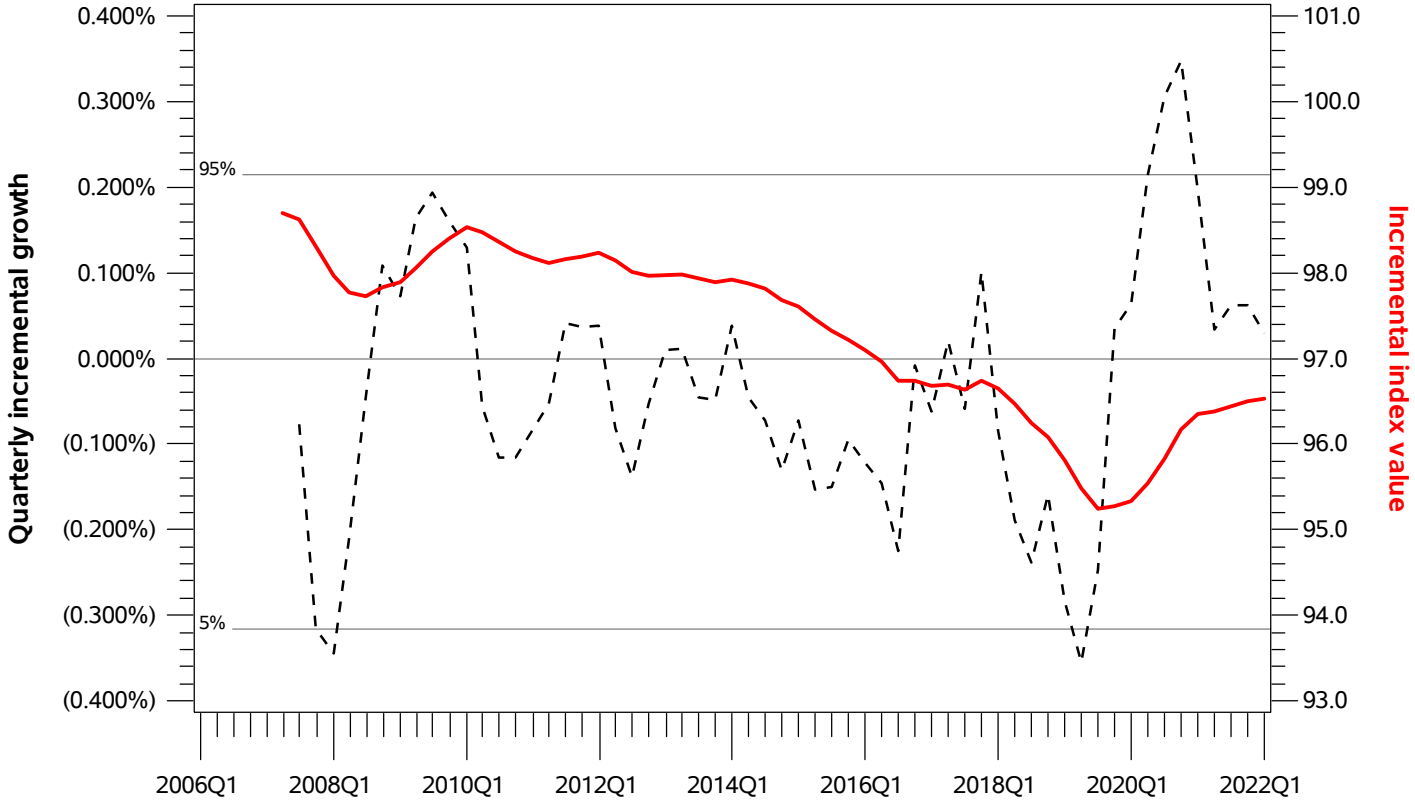


Table 101. ECI: W&S(PRIV) Nonunion, manufacturing incremental growth over ECI: W&S(PRIV) Manufacturing

LABSTAT series identifiers: CIU20230000000520I and CIU20230000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-24.3018	Z_{Tau}	-3.8328
Prob Z_{Rho}	0.0018	Prob Z_{Tau}	0.0043

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0084	AR(1) coefficient	-0.5835
Standard error	0.0082	Standard error	0.1076
t-statistic	1.0253	t-statistic	-5.4239
Probability t	0.3096	Durbin-Watson	1.8433

Estimated incremental annual growth rate: 0.034%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

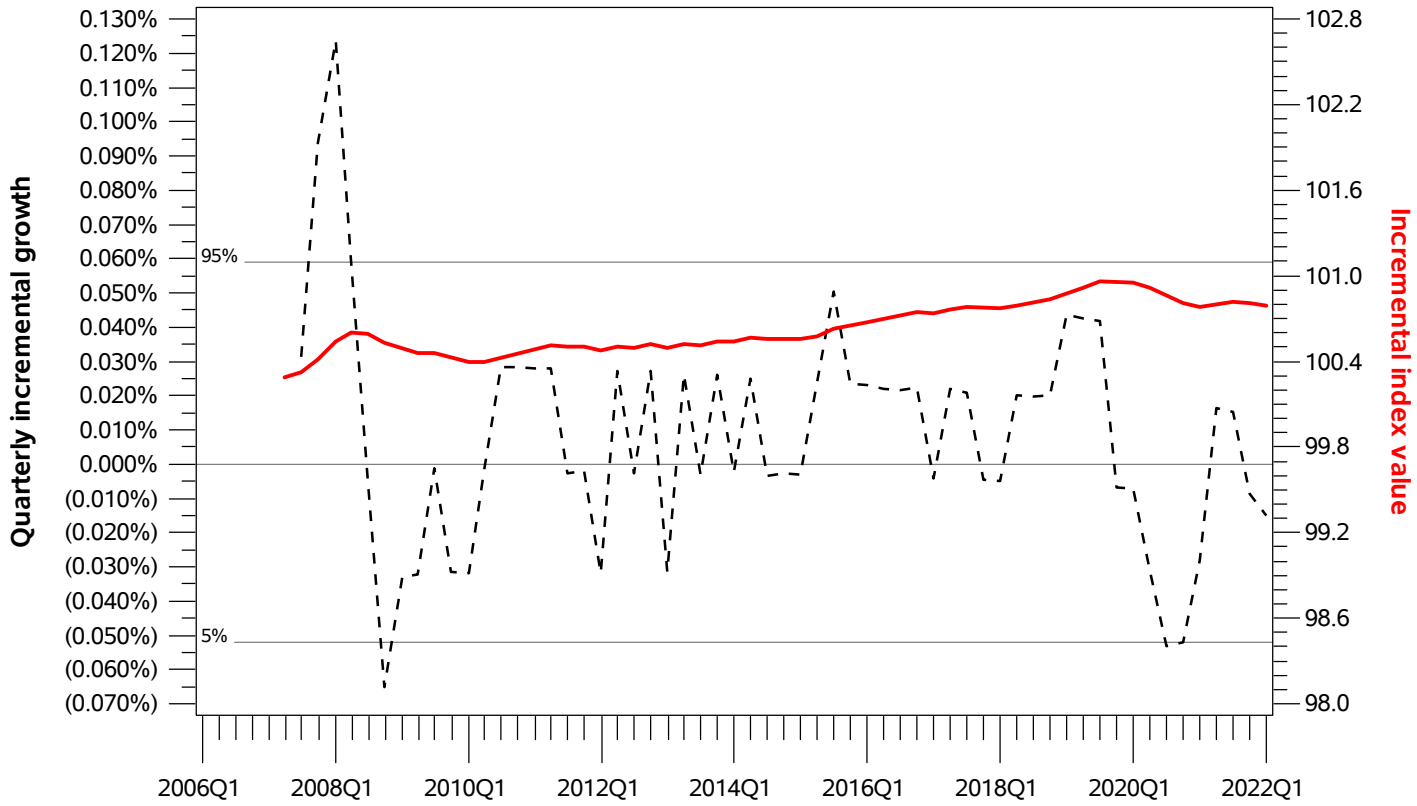


Table 102. ECI: W&S(PRIV) Manufacturing; management, professional, and related occupations incremental growth over ECI: W&S(PRIV) Manufacturing

LABSTAT series identifiers: CIU20230001000001 and CIU20230000000001

Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-18.4112	Z_{Tau}	-3.1214
Prob Z_{Rho}	0.0109	Prob Z_{Tau}	0.0302

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0480	AR(1) coefficient	-0.6697
Standard error	0.0378	Standard error	0.0984
t-statistic	-1.2691	t-statistic	-6.8092
Probability t	0.2096	Durbin-Watson	1.8531

Estimated incremental annual growth rate: (0.192%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

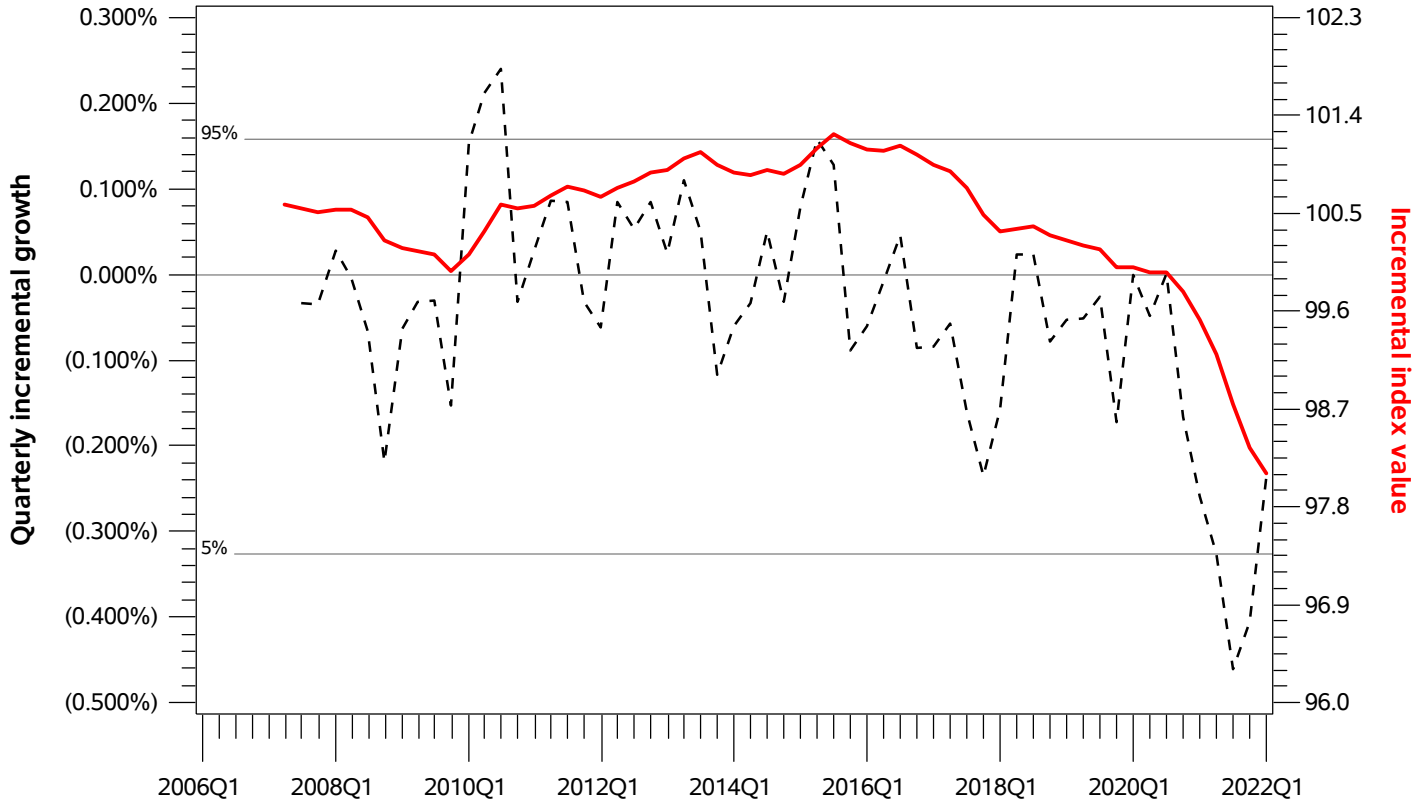


Table 103. ECI: W&S(PRIV) Manufacturing, sales and office occupations incremental growth over ECI: W&S(PRIV) Manufacturing

LABSTAT series identifiers: CIU2023000200000I and CIU2023000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.5559	Z_{Tau}	-4.3135
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0010

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0337	AR(1) coefficient	-0.4923
Standard error	0.0470	Standard error	0.1153
t-statistic	0.7176	t-statistic	-4.2697
Probability t	0.4759	Durbin-Watson	2.0687

Estimated incremental annual growth rate: 0.135%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

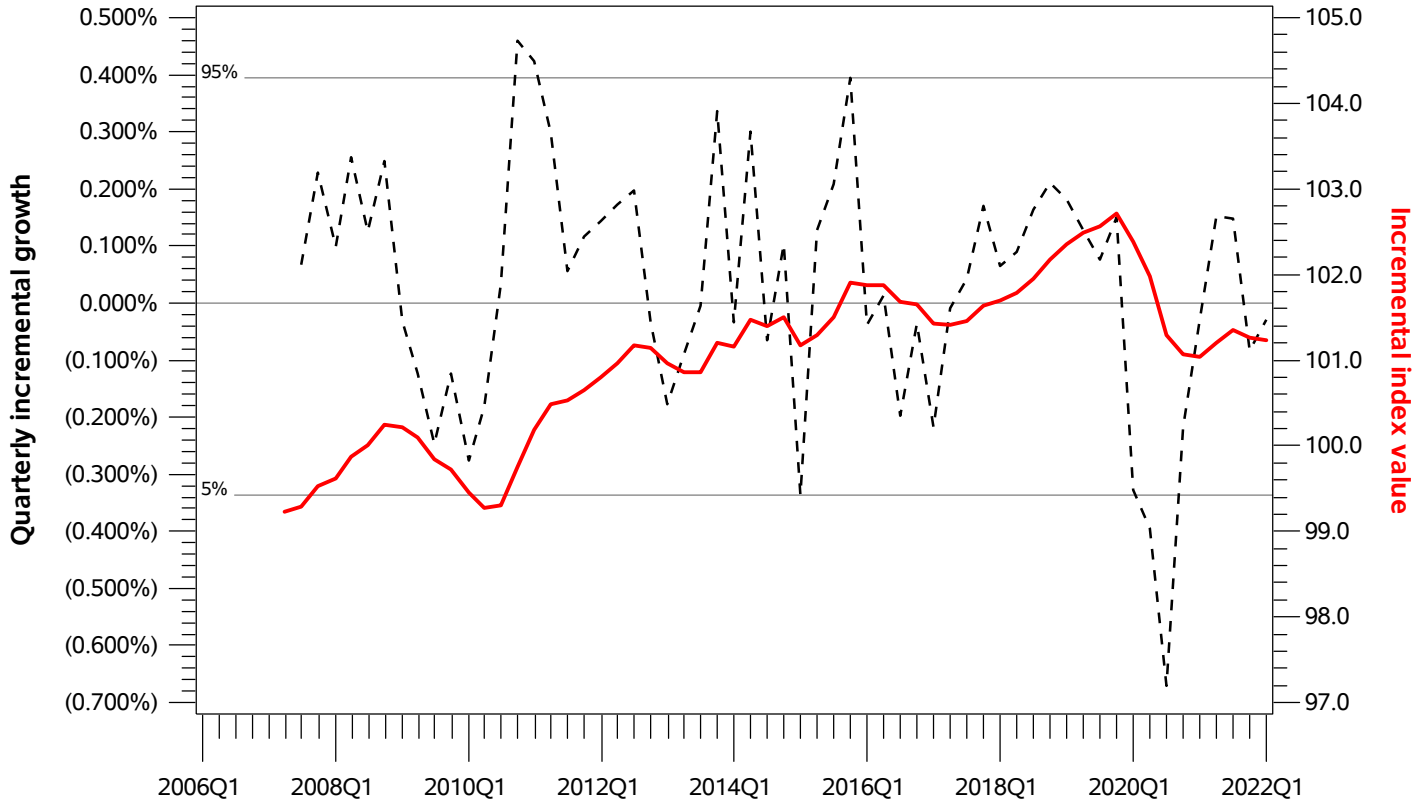


Table 104. ECI: W&S(PRIV) Manufacturing; natural resources, construction, and maintenance incremental growth over ECI: W&S(PRIV) Manufacturing

LABSTAT series identifiers: CIU20230004000000I and CIU20230000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-38.3299	Z_{Tau}	-5.1500
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0084	AR(1) coefficient	-0.3691
Standard error	0.0217	Standard error	0.1231
t-statistic	0.3866	t-statistic	-2.9981
Probability t	0.7005	Durbin-Watson	1.8569

Estimated incremental annual growth rate: 0.034%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

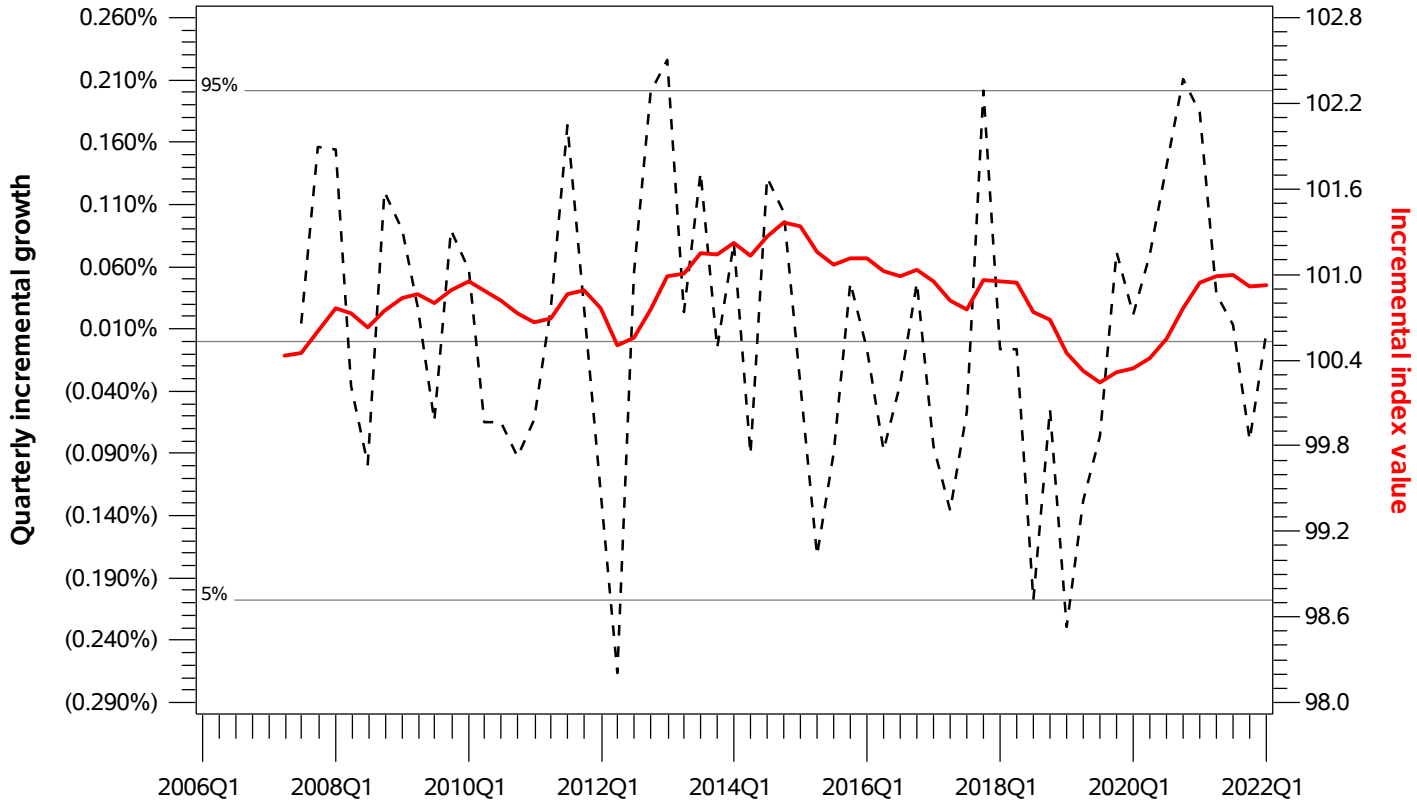


Table 105. ECI: W&S(PRIV) Manufacturing; production, transportation, and material moving incremental growth over ECI: W&S(PRIV) Manufacturing

LABSTAT series identifiers: CIU20230005000000I and CIU20230000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-11.6783	Z_{Tau}	-2.3842
Prob Z_{Rho}	0.0754	Prob Z_{Tau}	0.1503

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0307	AR(1) coefficient	-0.8081
Standard error	0.0402	Standard error	0.0780
t-statistic	0.7639	t-statistic	-10.3559
Probability t	0.4481	Durbin-Watson	1.4737

Estimated incremental annual growth rate: 0.123%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

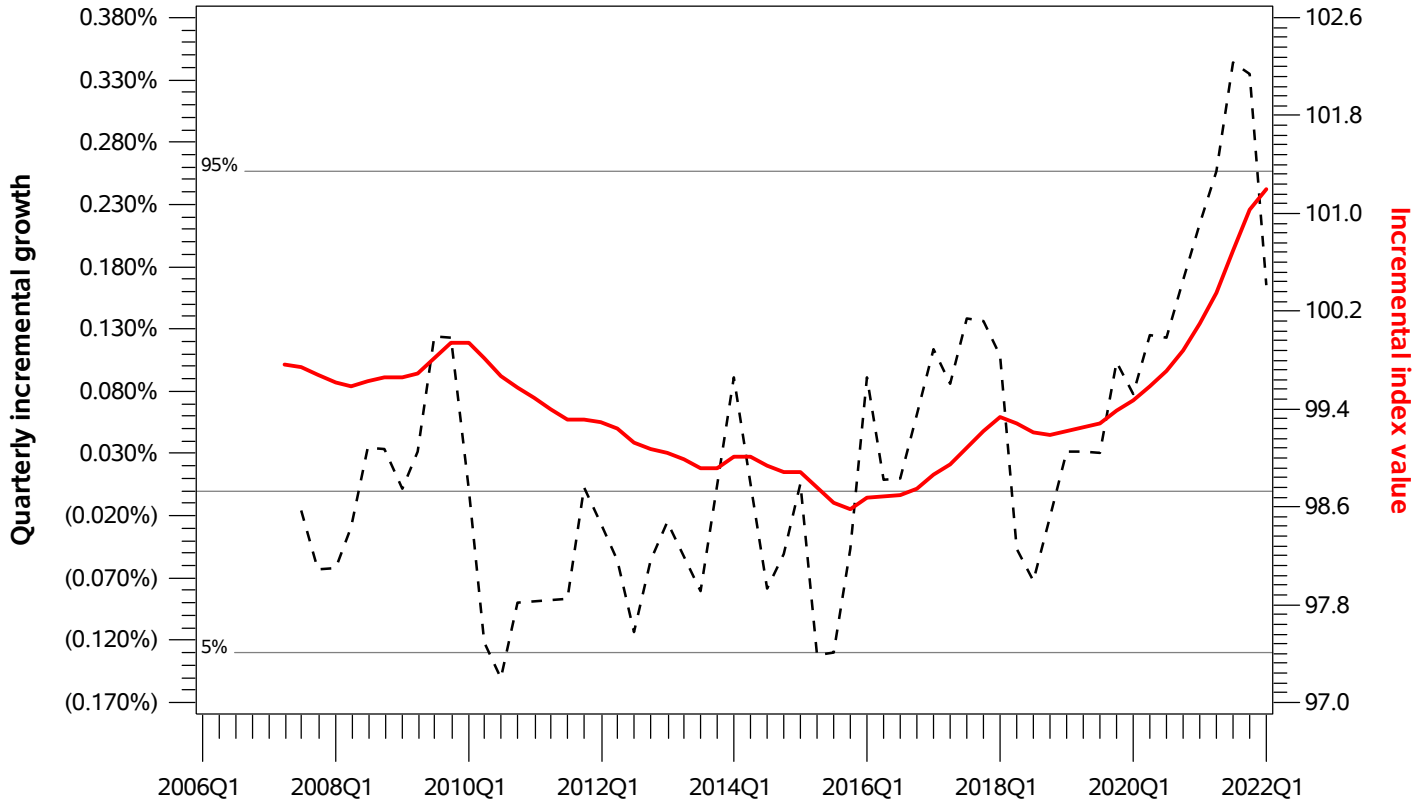


Table 106. ECI: W&S(PRIV) Aircraft manufacturing incremental growth over ECI: W&S(PRIV) Manufacturing

LABSTAT series identifiers: CIU2023211000000I and CIU2023000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-27.8751	Z_{Tau}	-4.2268
Prob Z_{Rho}	0.0006	Prob Z_{Tau}	0.0013

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0194	AR(1) coefficient	-0.4579
Standard error	0.0739	Standard error	0.1178
t-statistic	0.2630	t-statistic	-3.8884
Probability t	0.7935	Durbin-Watson	2.0281

Estimated incremental annual growth rate: 0.078%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

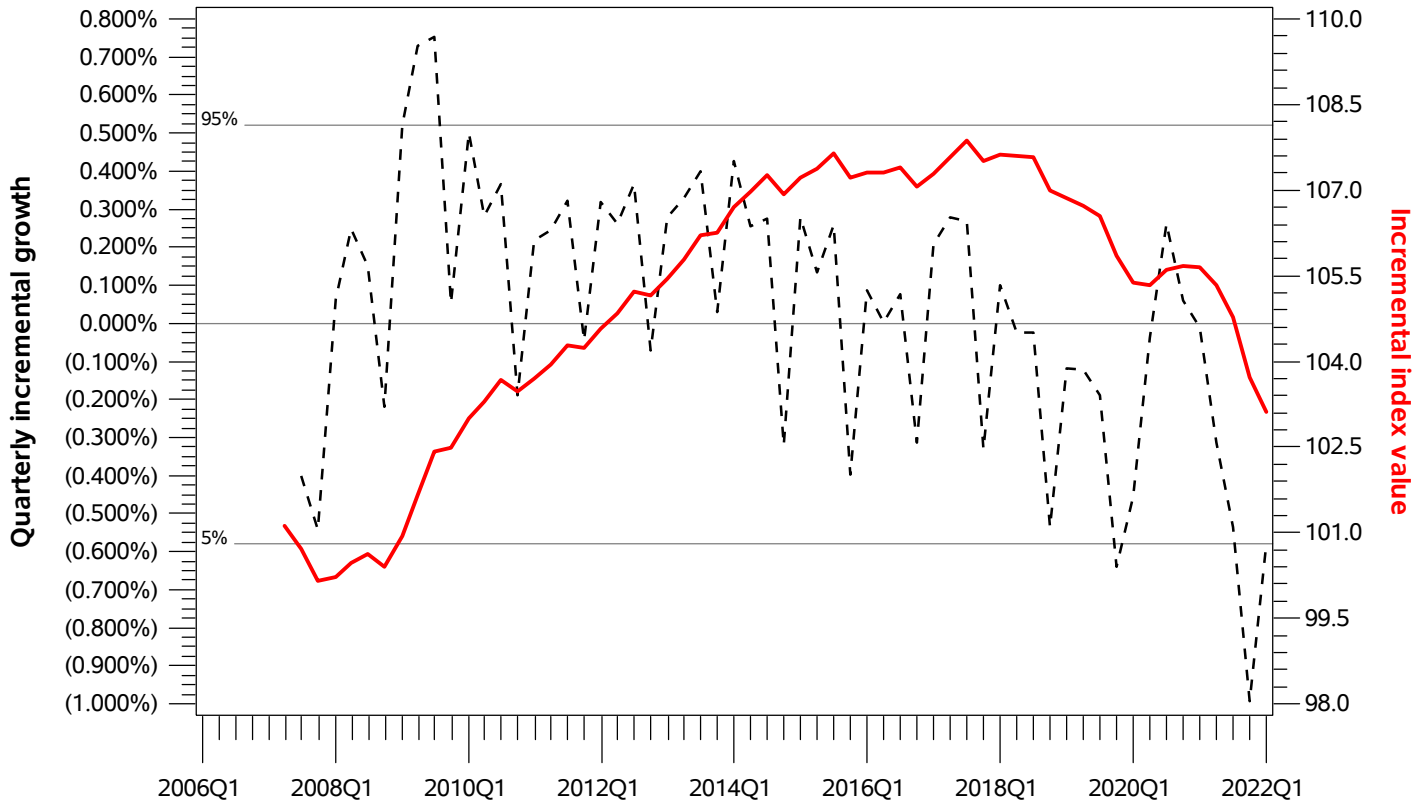


Table 107. ECI: W&S(PRIV) Trade, transportation, and utilities incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20240000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-41.8462	Z_{Tau}	-5.8952
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0452	AR(1) coefficient	-0.2432
Standard error	0.0207	Standard error	0.1285
t-statistic	2.1825	t-statistic	-1.8930
Probability t	0.0332	Durbin-Watson	2.0955

Estimated incremental annual growth rate: 0.181%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.181%

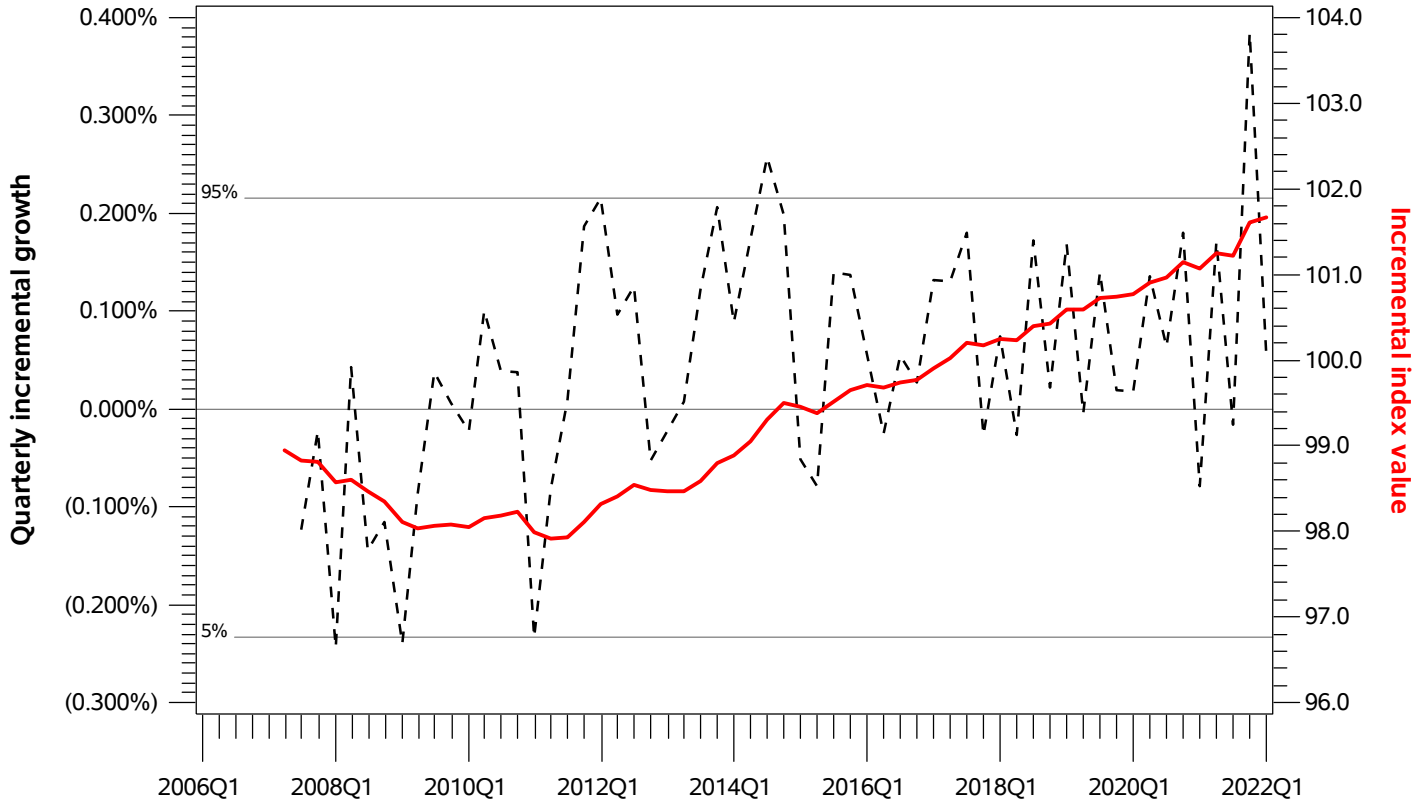


Table 108. ECI: W&S(PRIV) Trade, transportation, and utilities; excluding incentive paid incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2024000000710I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-34.6513	Z_{Tau}	-4.9924
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0337	AR(1) coefficient	-0.3707
Standard error	0.0225	Standard error	0.1230
t-statistic	1.5007	t-statistic	-3.0131
Probability t	0.1390	Durbin-Watson	2.1314

Estimated incremental annual growth rate: 0.135%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

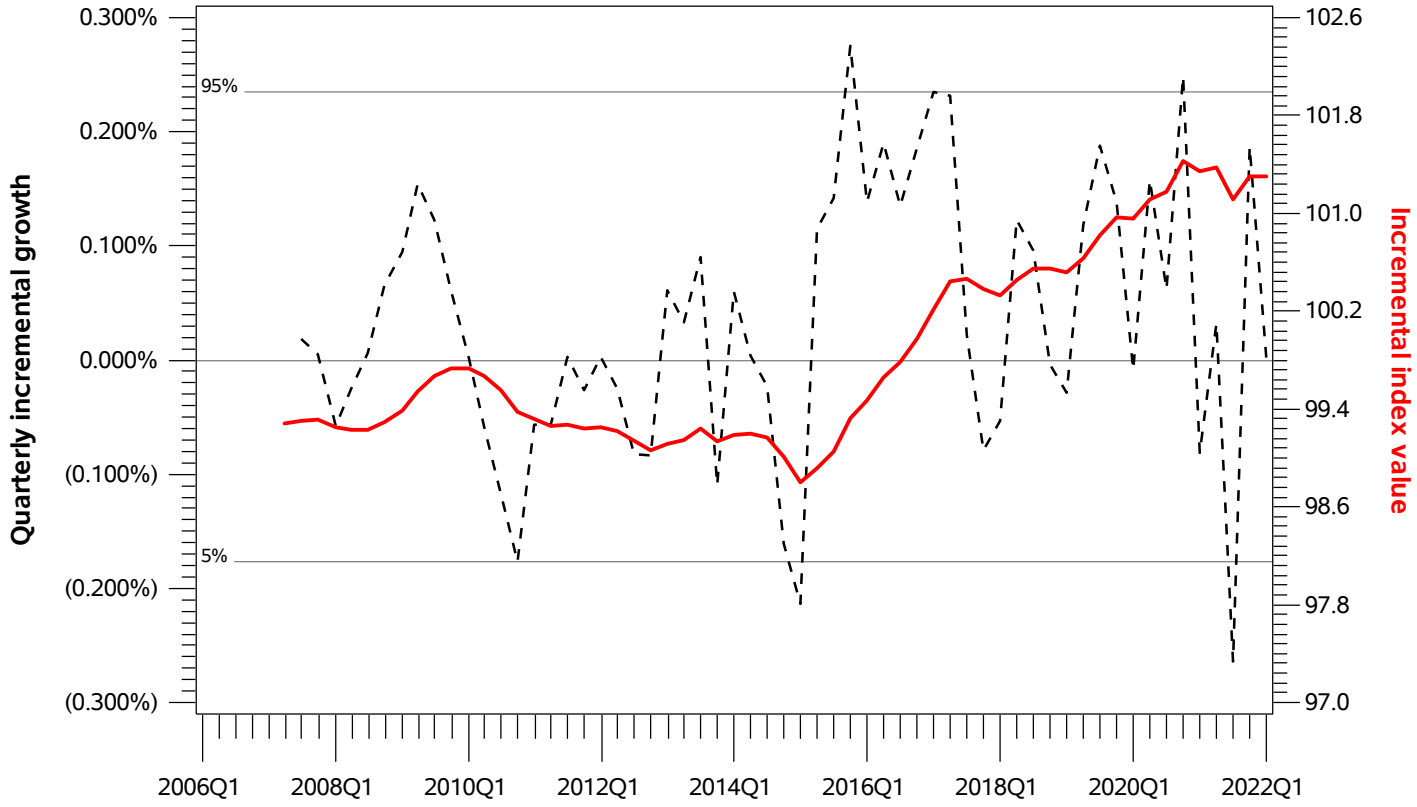


Table 109. ECI: W&S(PRIV) Wholesale trade incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2024110000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.2450	Z_{Tau}	-4.4480
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0007

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0779	AR(1) coefficient	-0.4857
Standard error	0.0762	Standard error	0.1158
t-statistic	-1.0223	t-statistic	-4.1950
Probability t	0.3110	Durbin-Watson	2.0072

Estimated incremental annual growth rate: (0.311%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

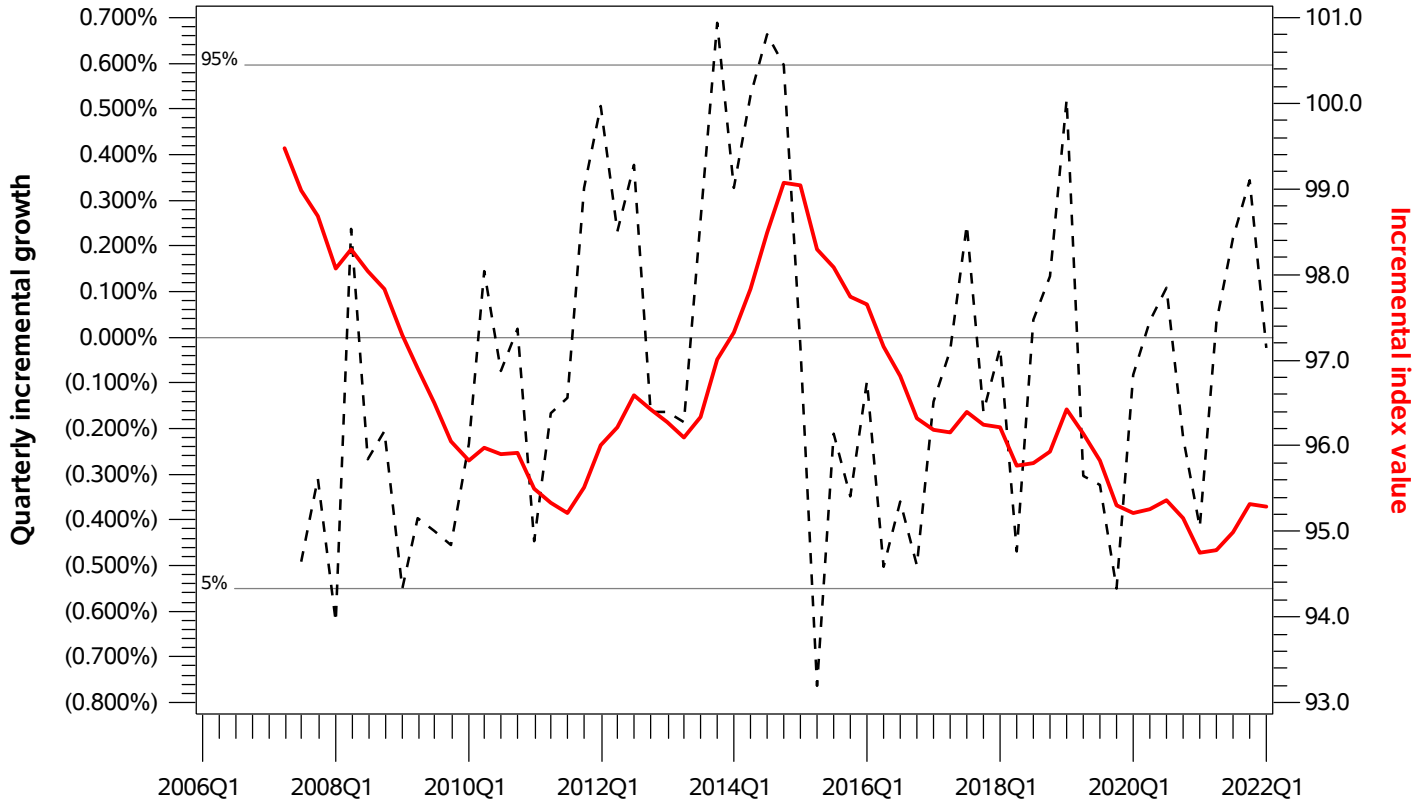


Table 110. ECI: W&S(PRIV) Wholesale trade, excluding incentive paid occupations incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20241100007101 and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.8963	Z_{Tau}	-4.0832
Prob Z_{Rho}	0.0008	Prob Z_{Tau}	0.0020

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0645	AR(1) coefficient	-0.5471
Standard error	0.0338	Standard error	0.1109
t-statistic	-1.9075	t-statistic	-4.9347
Probability t	0.0615	Durbin-Watson	1.9264

Estimated incremental annual growth rate: (0.258%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.258%)

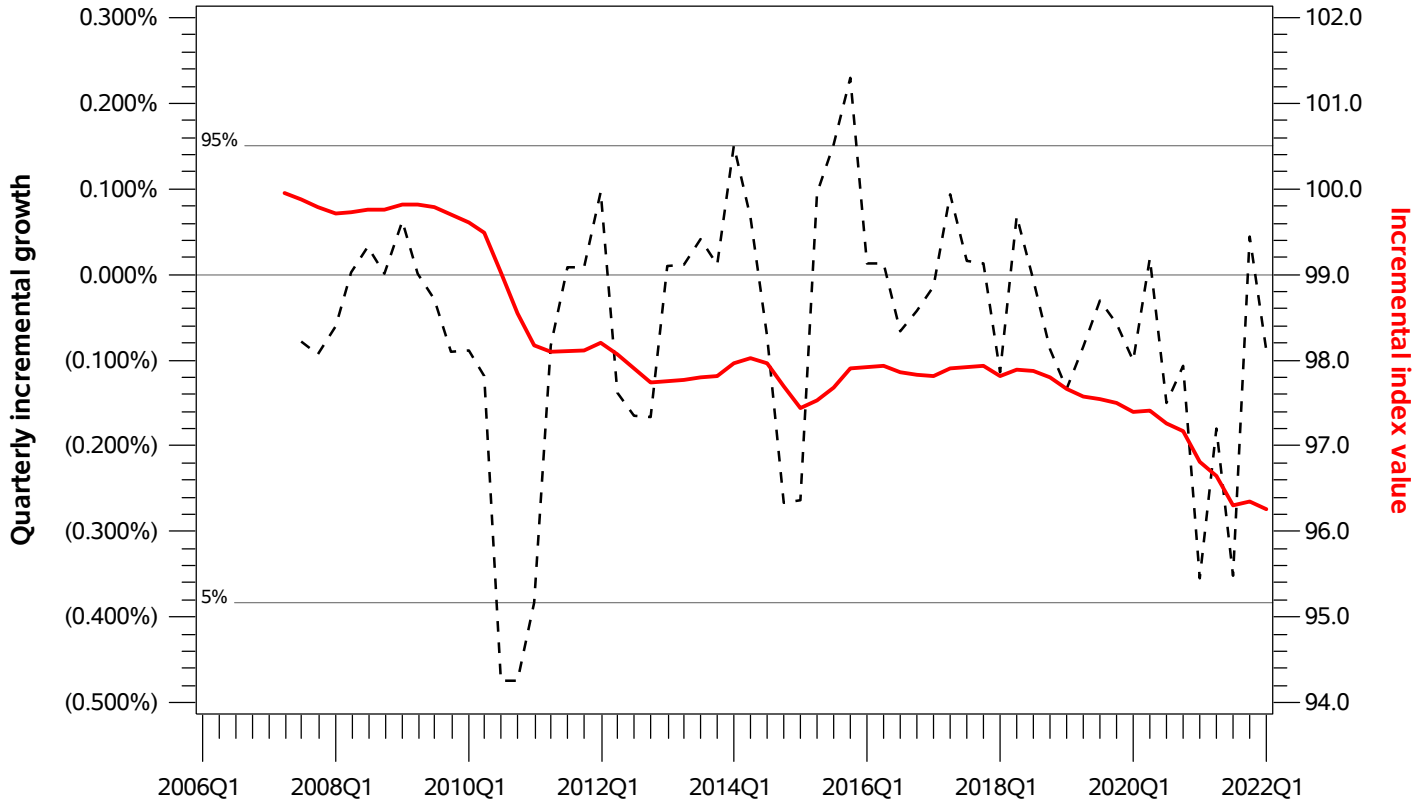


Table 111. ECI: W&S(PRIV) Retail trade incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2024120000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-34.0211	Z_{Tau}	-4.9224
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0996	AR(1) coefficient	-0.3768
Standard error	0.0372	Standard error	0.1227
t-statistic	2.6761	t-statistic	-3.0713
Probability t	0.0097	Durbin-Watson	2.1487

Estimated incremental annual growth rate: 0.399%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.399%

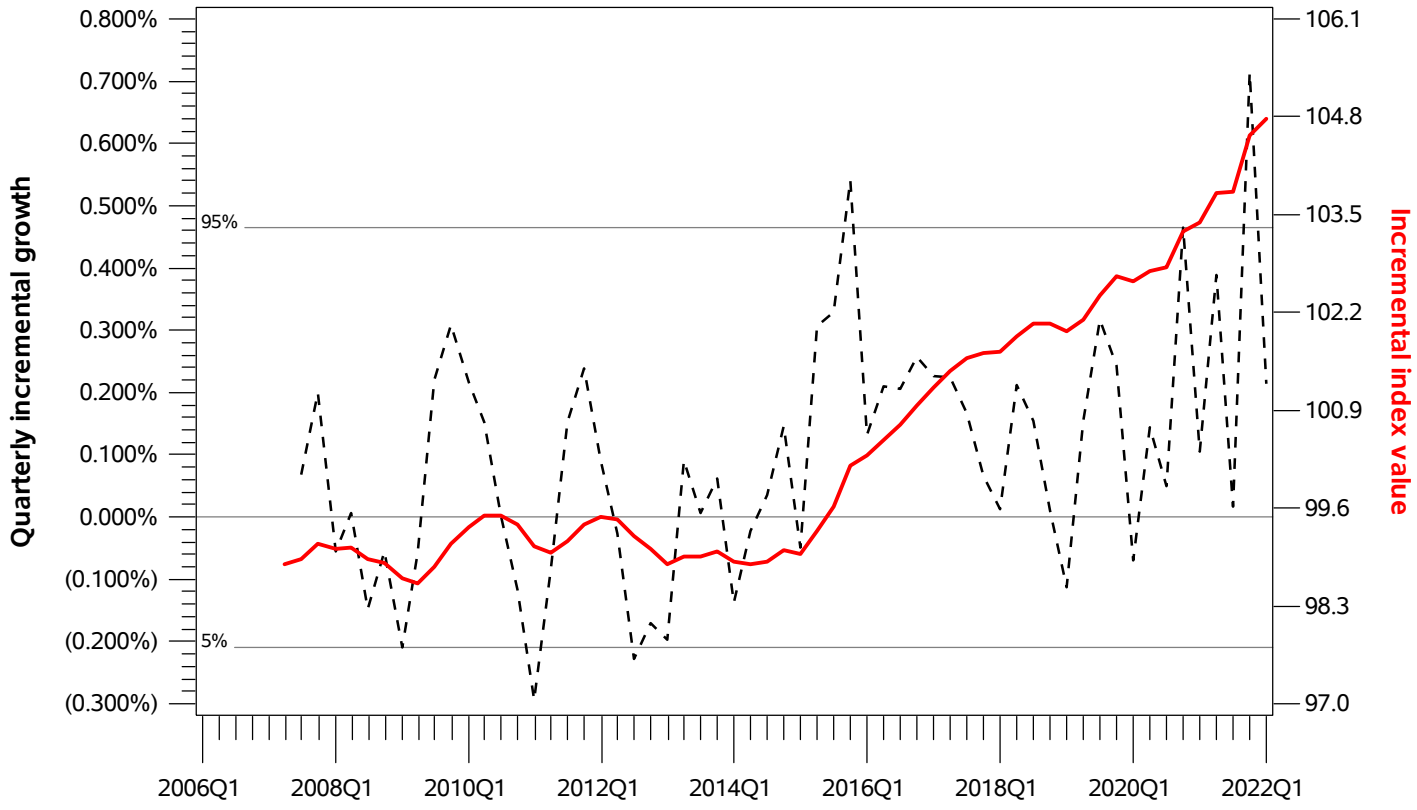


Table 112. ECI: W&S(PRIV) Retail trade, excluding incentive paid occupations incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20241200007101 and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.4622	Z_{Tau}	-3.9419
Prob Z_{Rho}	0.0023	Prob Z_{Tau}	0.0031

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0678	AR(1) coefficient	-0.5241
Standard error	0.0395	Standard error	0.1128
t-statistic	1.7146	t-statistic	-4.6461
Probability t	0.0918	Durbin-Watson	2.3645

Estimated incremental annual growth rate: 0.271%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.271%

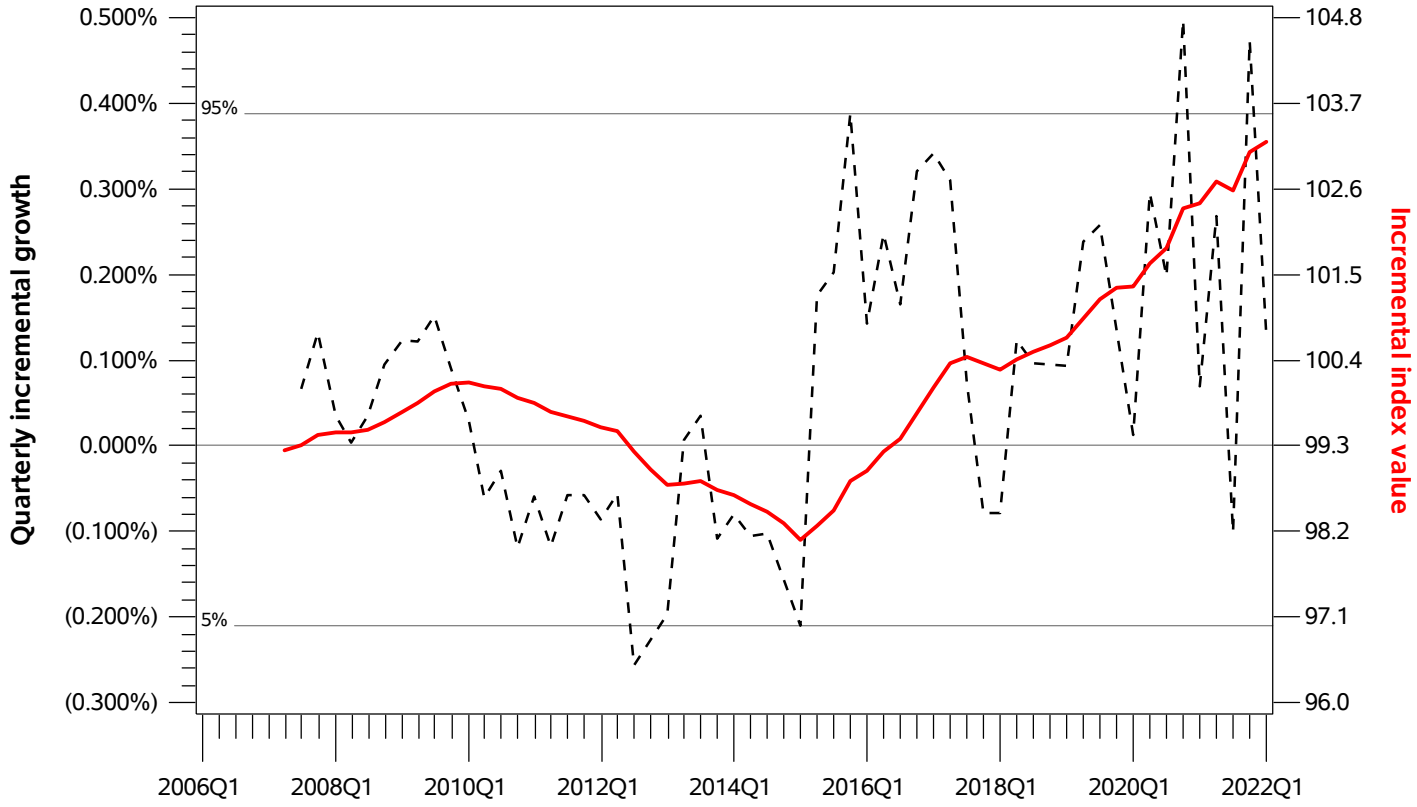


Table 113. ECI: W&S(PRIV) Transportation and warehousing incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20243000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.8506	Z_{Tau}	-4.2527
Prob Z_{Rho}	0.0008	Prob Z_{Tau}	0.0012

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0933	AR(1) coefficient	-0.4861
Standard error	0.0448	Standard error	0.1157
t-statistic	2.0828	t-statistic	-4.1998
Probability t	0.0418	Durbin-Watson	2.1767

Estimated incremental annual growth rate: 0.374%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.374%

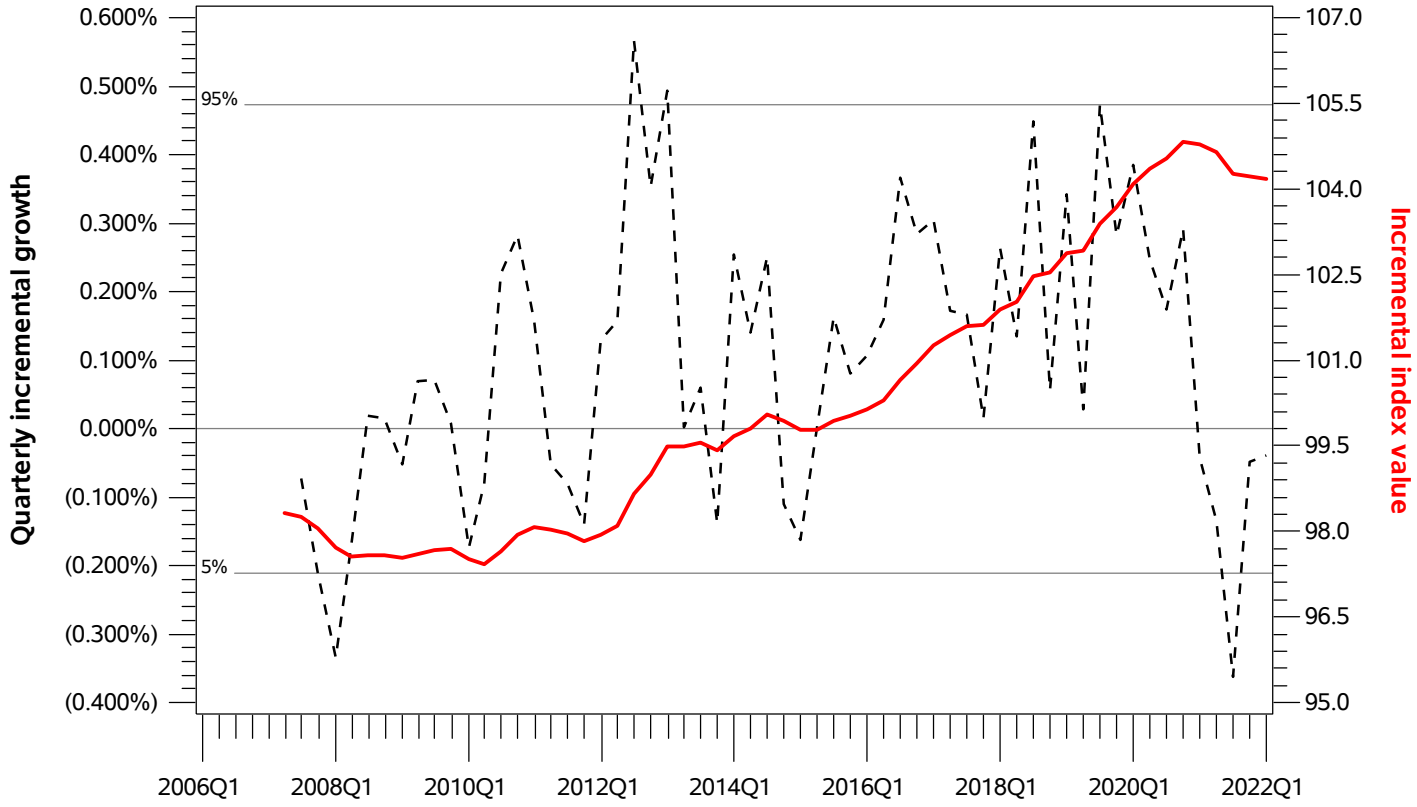


Table 114. ECI: W&S(PRIV) Utilities incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU20244000000000I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.7875	Z_{Tau}	-3.7092
Prob Z_{Rho}	0.0029	Prob Z_{Tau}	0.0062

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0662	AR(1) coefficient	-0.5818
Standard error	0.0552	Standard error	0.1077
t-statistic	1.1985	t-statistic	-5.4009
Probability t	0.2357	Durbin-Watson	2.0899

Estimated incremental annual growth rate: 0.265%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

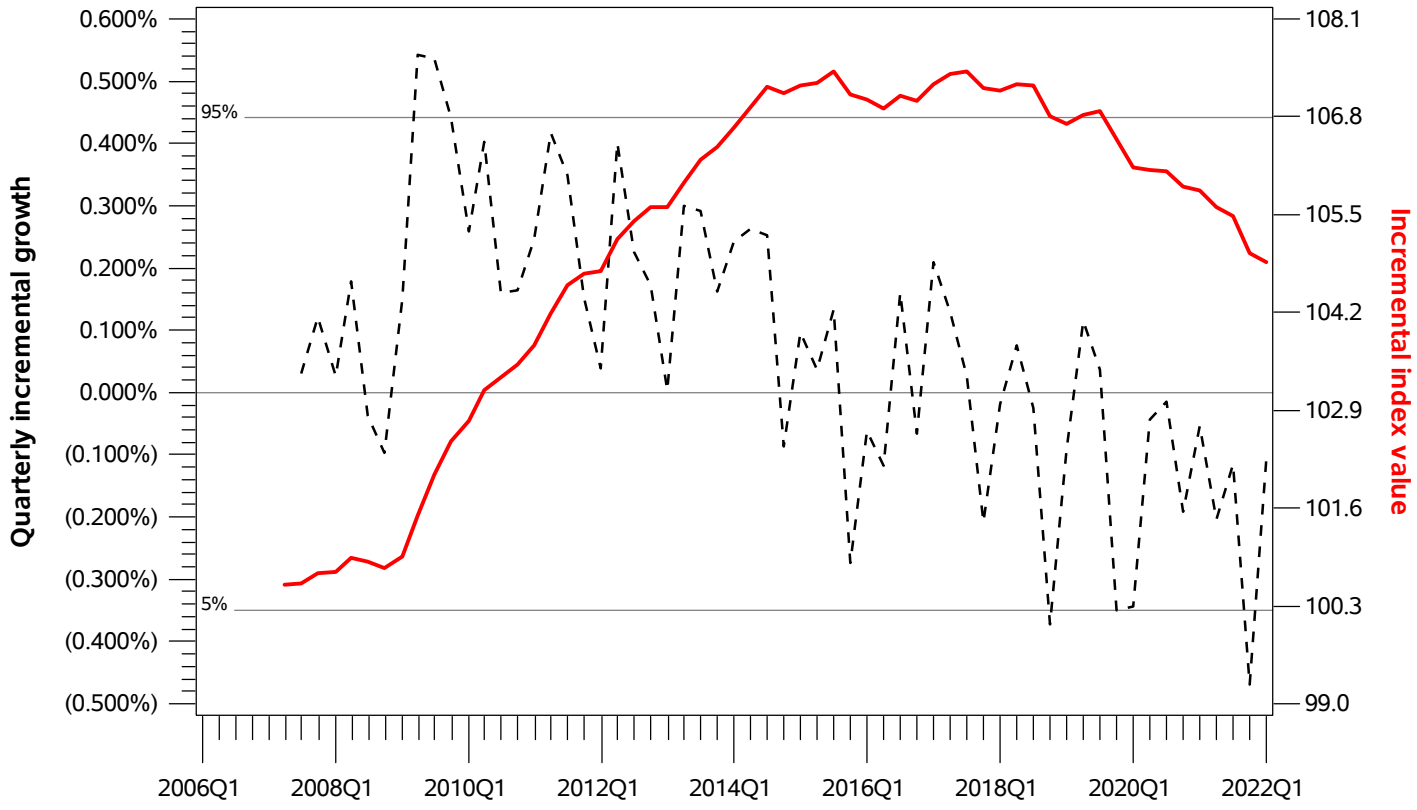


Table 115. ECI: W&S(PRIV) Information incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20251000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-31.7132	Z_{Tau}	-4.4788
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0006

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0639	AR(1) coefficient	-0.4655
Standard error	0.0352	Standard error	0.1172
t-statistic	-1.8140	t-statistic	-3.9706
Probability t	0.0749	Durbin-Watson	1.8486

Estimated incremental annual growth rate: (0.256%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.256%)

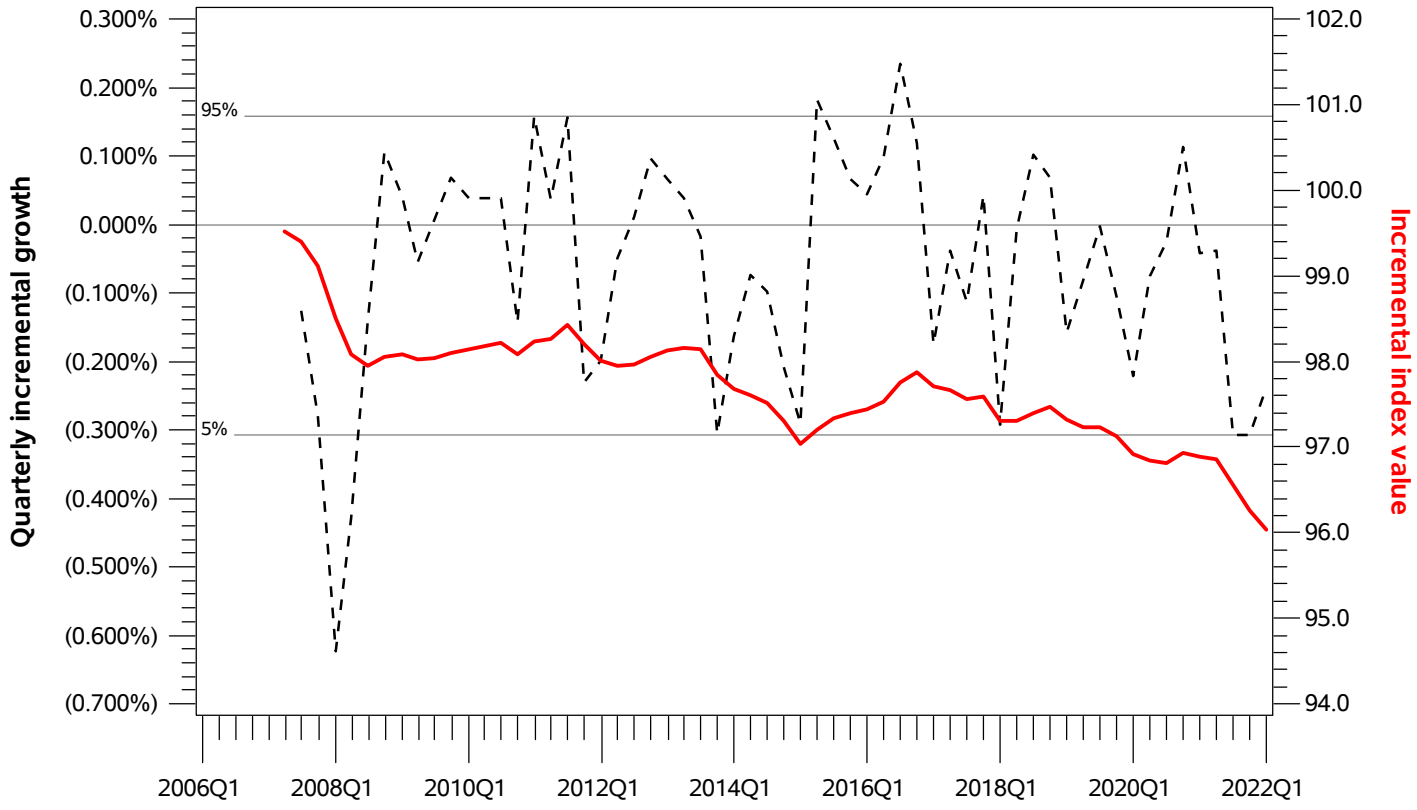


Table 116. ECI: W&S(PRIV) Finance and insurance incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20252000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-48.6075	Z_{Tau}	-6.3490
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0019	AR(1) coefficient	-0.1566
Standard error	0.0617	Standard error	0.1308
t-statistic	0.0302	t-statistic	-1.1974
Probability t	0.9760	Durbin-Watson	2.0072

Estimated incremental annual growth rate: 0.007%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

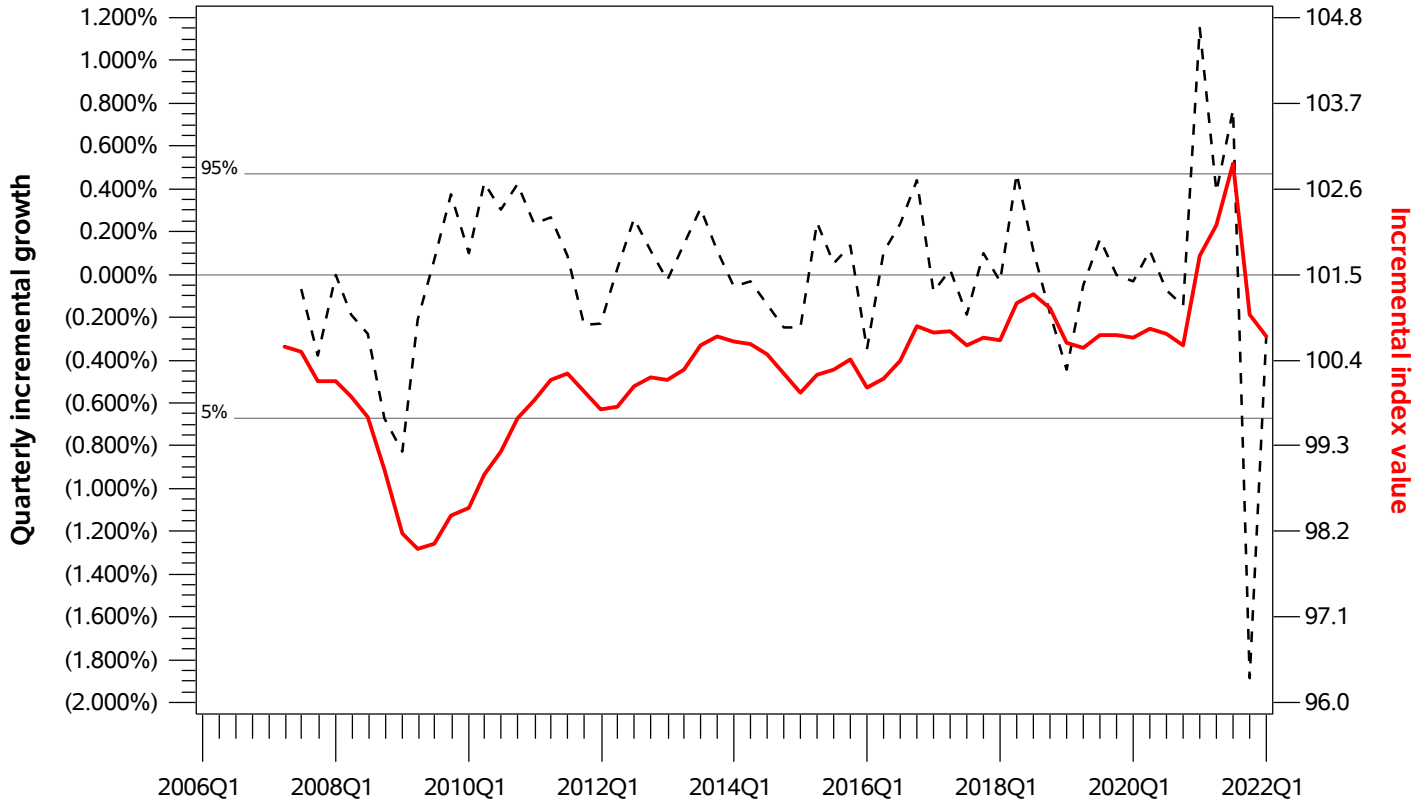


Table 117. ECI: W&S(PRIV) Financial activities incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202520A000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-47.5513	Z_{Tau}	-6.2299
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0058	AR(1) coefficient	-0.1733
Standard error	0.0511	Standard error	0.1304
t-statistic	-0.1138	t-statistic	-1.3289
Probability t	0.9098	Durbin-Watson	2.0154

Estimated incremental annual growth rate: (0.023%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

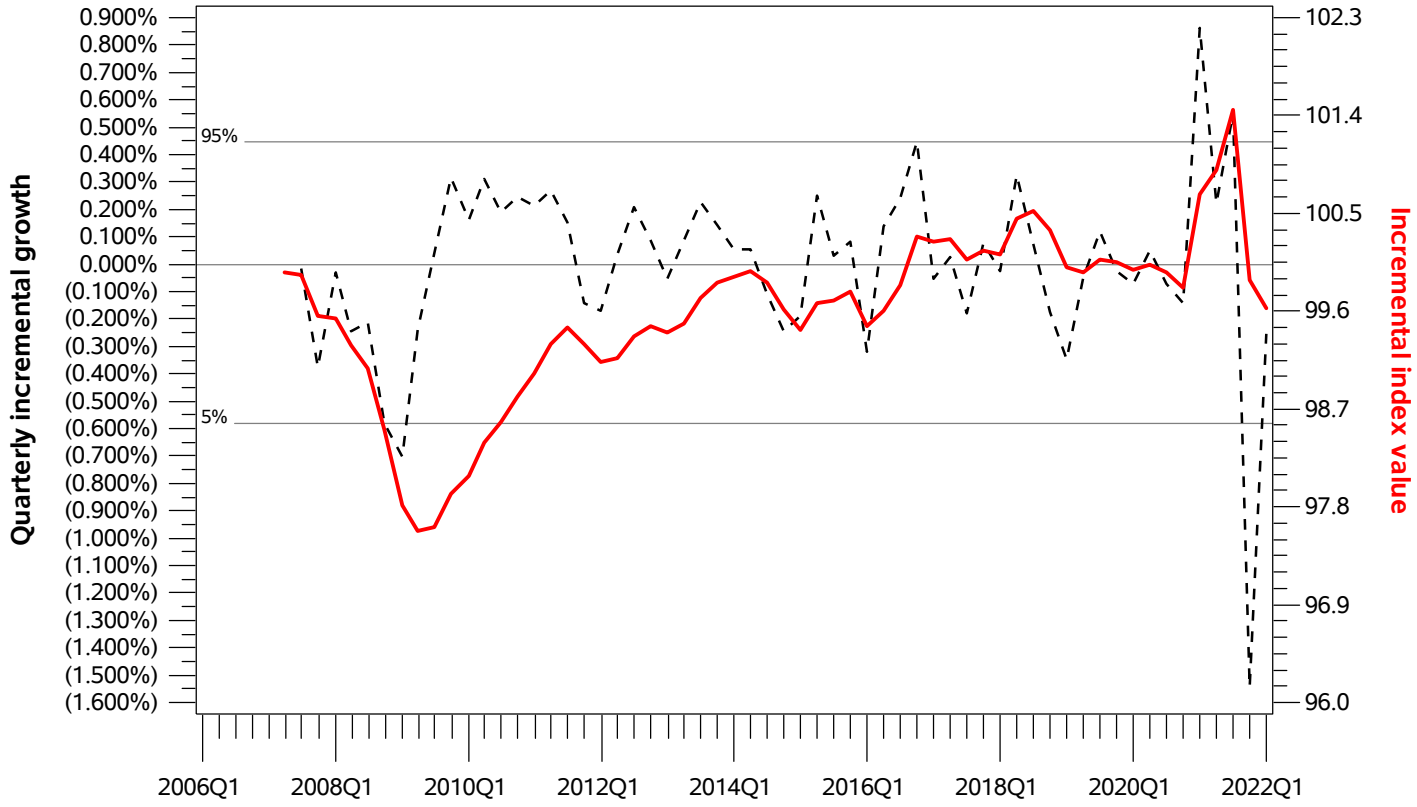


Table 118. ECI: W&S(PRIV) Financial activities, excluding incentive paid occupations incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202520A000710I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.3594	Z_{Tau}	-3.5762
Prob Z_{Rho}	0.0024	Prob Z_{Tau}	0.0090

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0613	AR(1) coefficient	-0.5898
Standard error	0.0402	Standard error	0.1070
t-statistic	-1.5232	t-statistic	-5.5136
Probability t	0.1332	Durbin-Watson	1.7995

Estimated incremental annual growth rate: (0.245%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

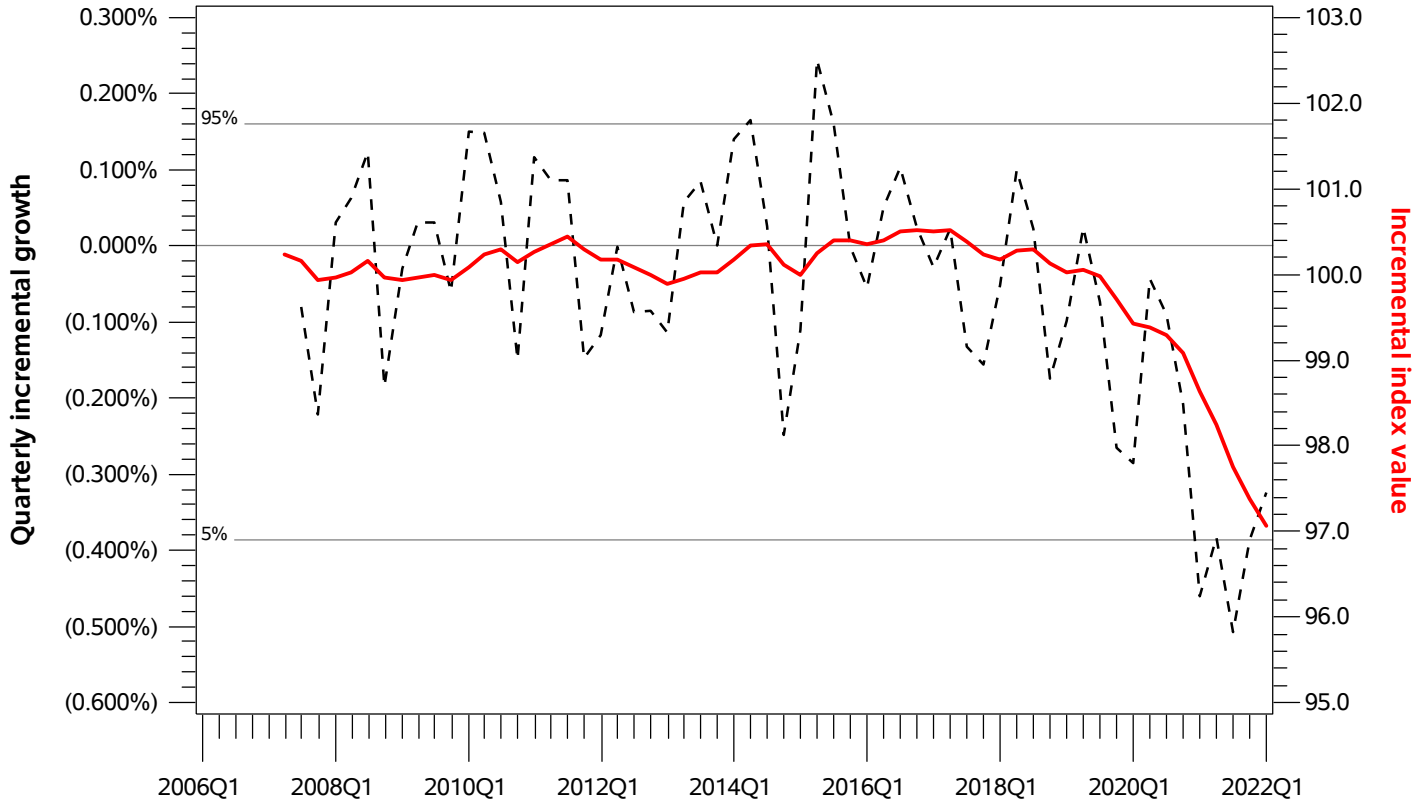


Table 119. ECI: W&S(PRIV) Credit intermediation and related activities incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20252200000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.7529	Z_{Tau}	-4.1118
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0019

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0693	AR(1) coefficient	-0.4948
Standard error	0.1054	Standard error	0.1151
t-statistic	0.6575	t-statistic	-4.2991
Probability t	0.5135	Durbin-Watson	1.7011

Estimated incremental annual growth rate: 0.277%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

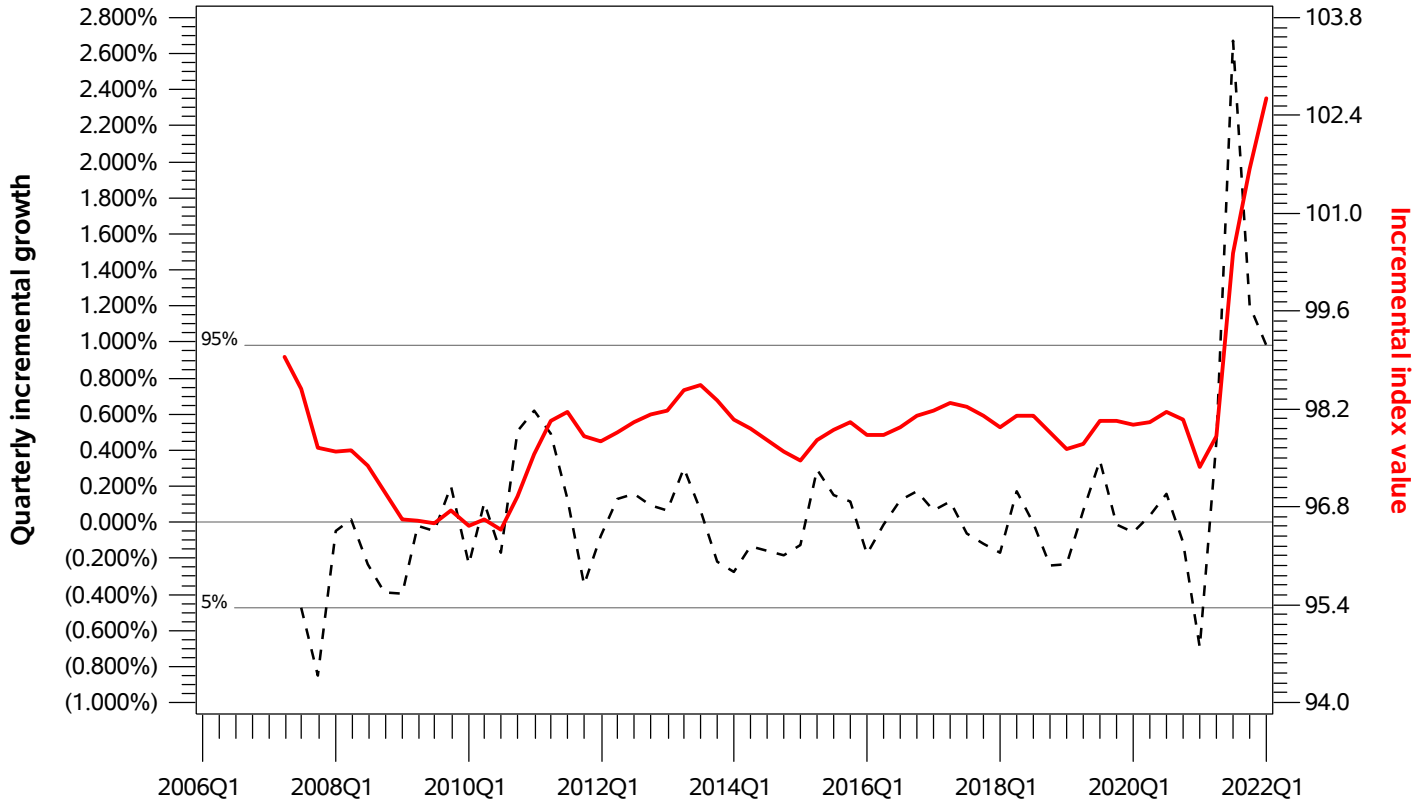


Table 120. ECI: W&S(PRIV) Credit intermediation and related, excluding incentive paid incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20252200007101 and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.5888	Z_{Tau}	-3.8987
Prob Z_{Rho}	0.0009	Prob Z_{Tau}	0.0035

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0442	AR(1) coefficient	-0.5143
Standard error	0.0381	Standard error	0.1136
t-statistic	-1.1581	t-statistic	-4.5281
Probability t	0.2516	Durbin-Watson	1.8913

Estimated incremental annual growth rate: (0.177%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

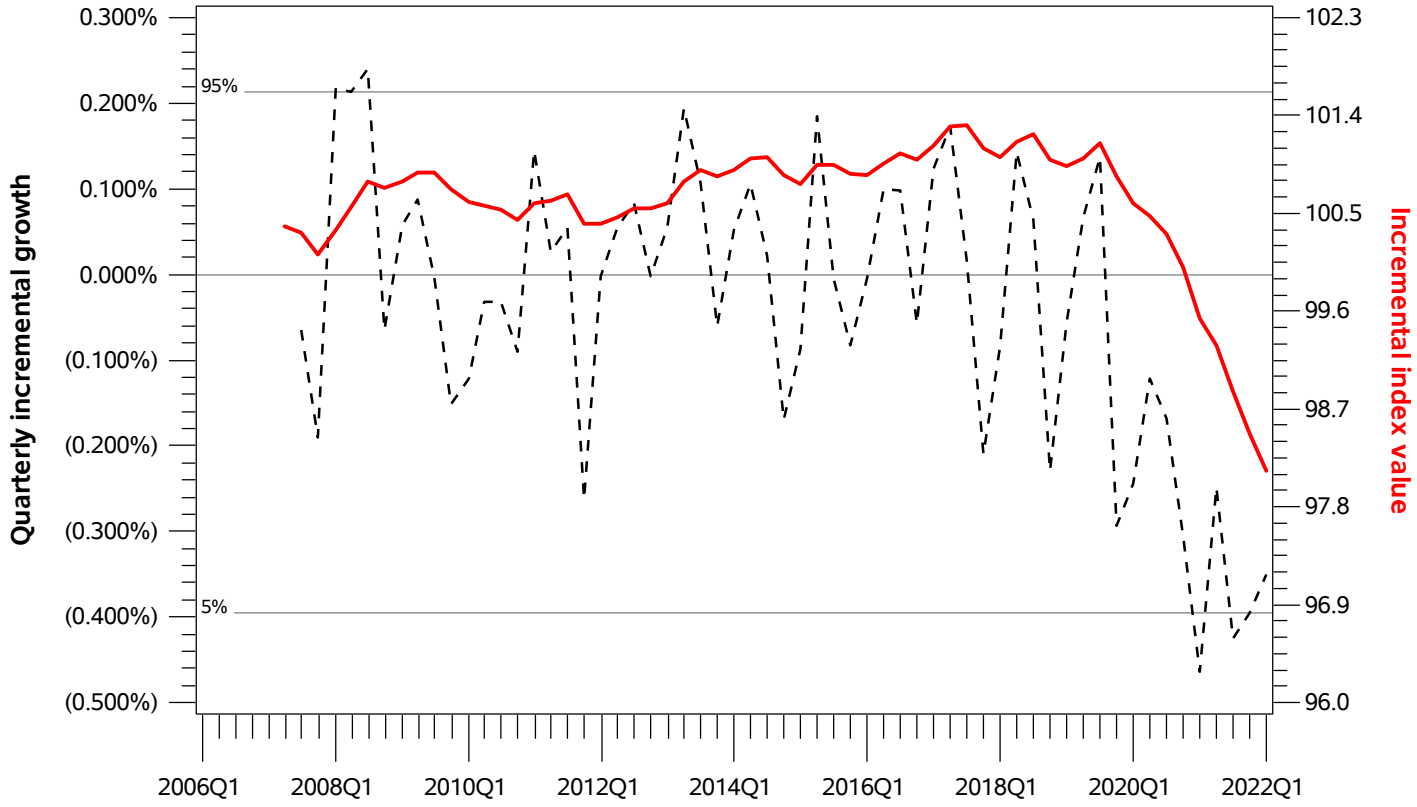


Table 121. ECI: W&S(PRIV) Insurance carriers and related activities incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2025240000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.1429	Z_{Tau}	-4.1147
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0018

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0454	AR(1) coefficient	-0.5313
Standard error	0.0686	Standard error	0.1122
t-statistic	-0.6628	t-statistic	-4.7347
Probability t	0.5102	Durbin-Watson	1.7587

Estimated incremental annual growth rate: (0.182%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

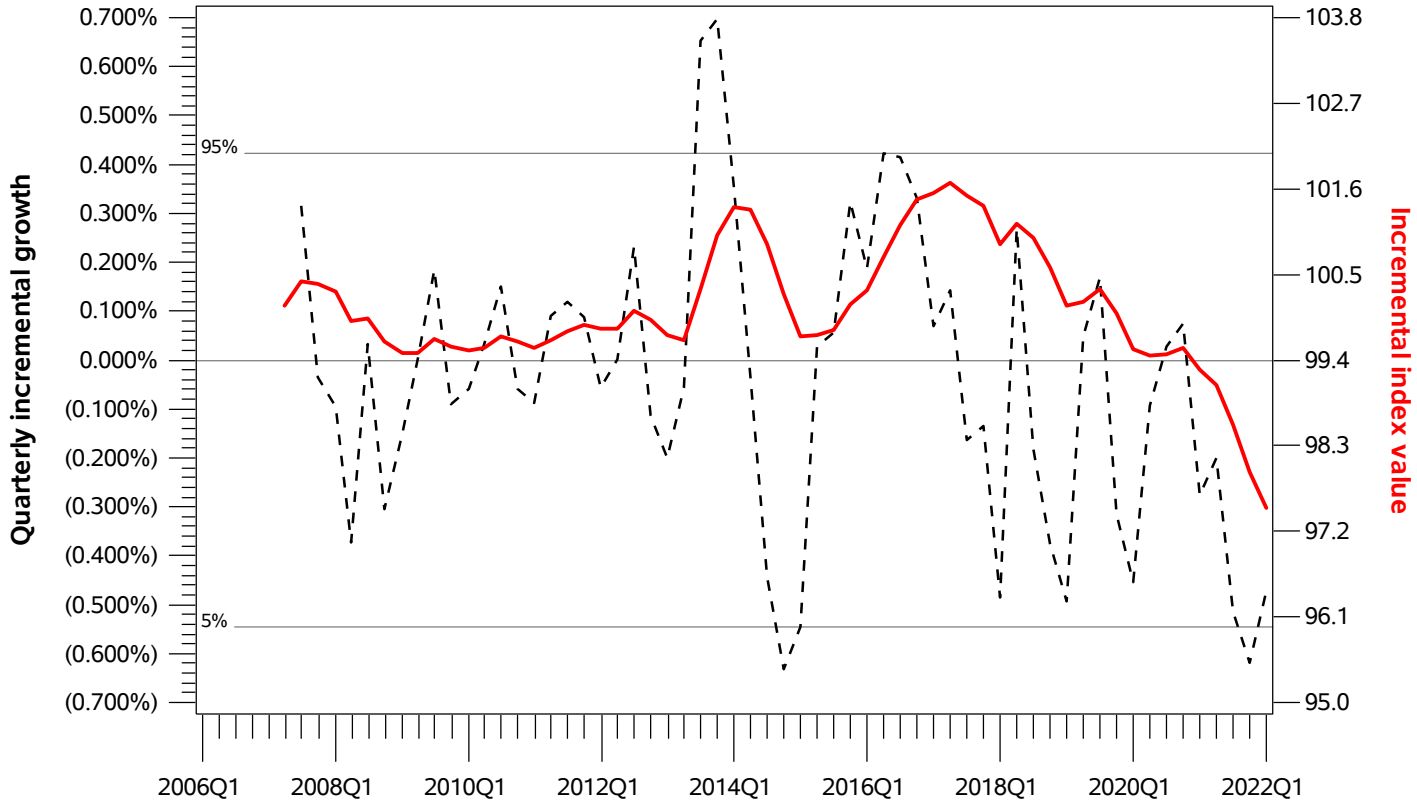


Table 122. ECI: W&S(PRIV) Insurance carriers and related, excluding incentive paid incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2025240000710I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.0999	Z_{Tau}	-3.4433
Prob Z_{Rho}	0.0026	Prob Z_{Tau}	0.0131

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0839	AR(1) coefficient	-0.5949
Standard error	0.0499	Standard error	0.1065
t-statistic	-1.6805	t-statistic	-5.5882
Probability t	0.0983	Durbin-Watson	1.6594

Estimated incremental annual growth rate: (0.335%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.335%)

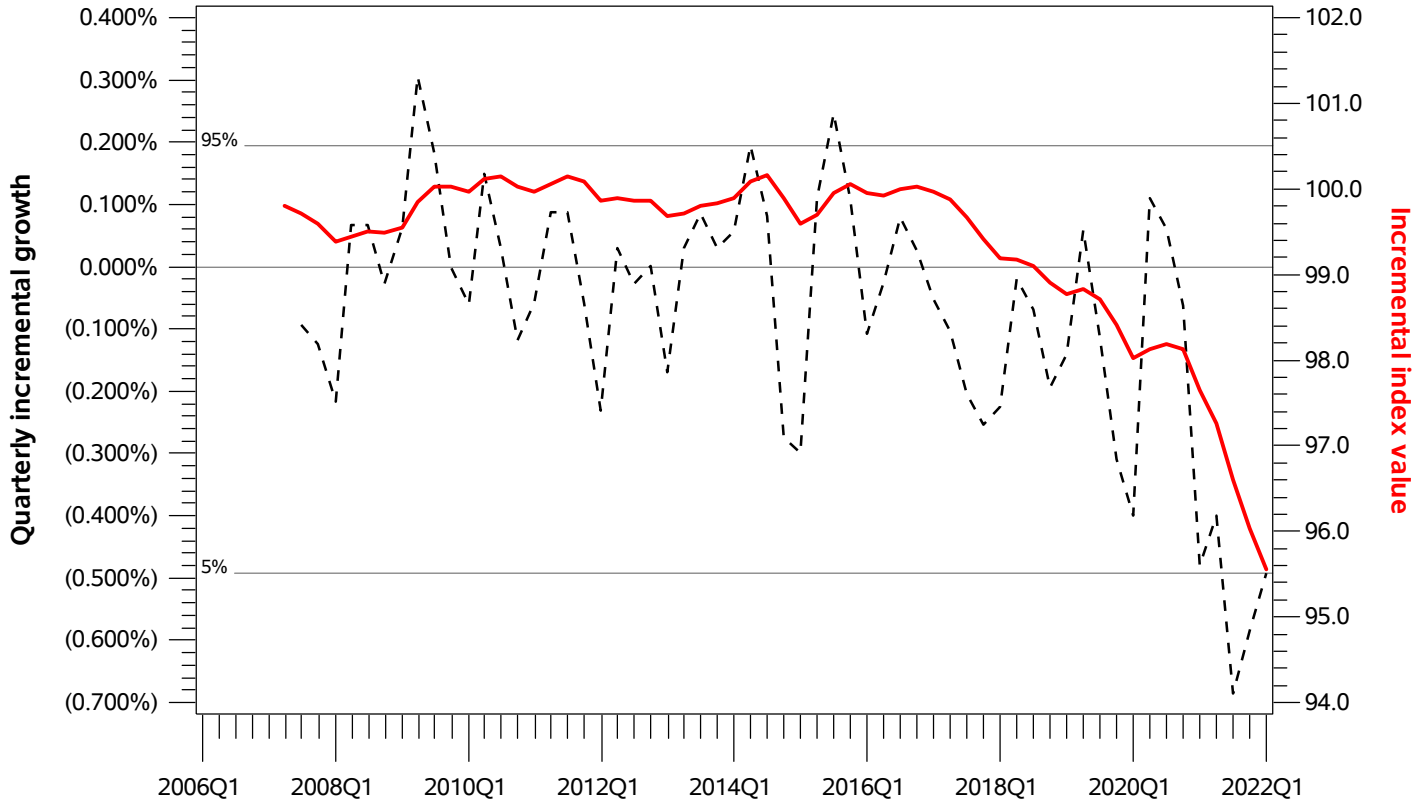


Table 123. ECI: W&S(PRIV) Real estate and rental and leasing incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20253000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-30.9558	Z_{Tau}	-4.4516
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0007

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0312	AR(1) coefficient	-0.4970
Standard error	0.0485	Standard error	0.1149
t-statistic	-0.6445	t-statistic	-4.3247
Probability t	0.5218	Durbin-Watson	1.8673

Estimated incremental annual growth rate: (0.125%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

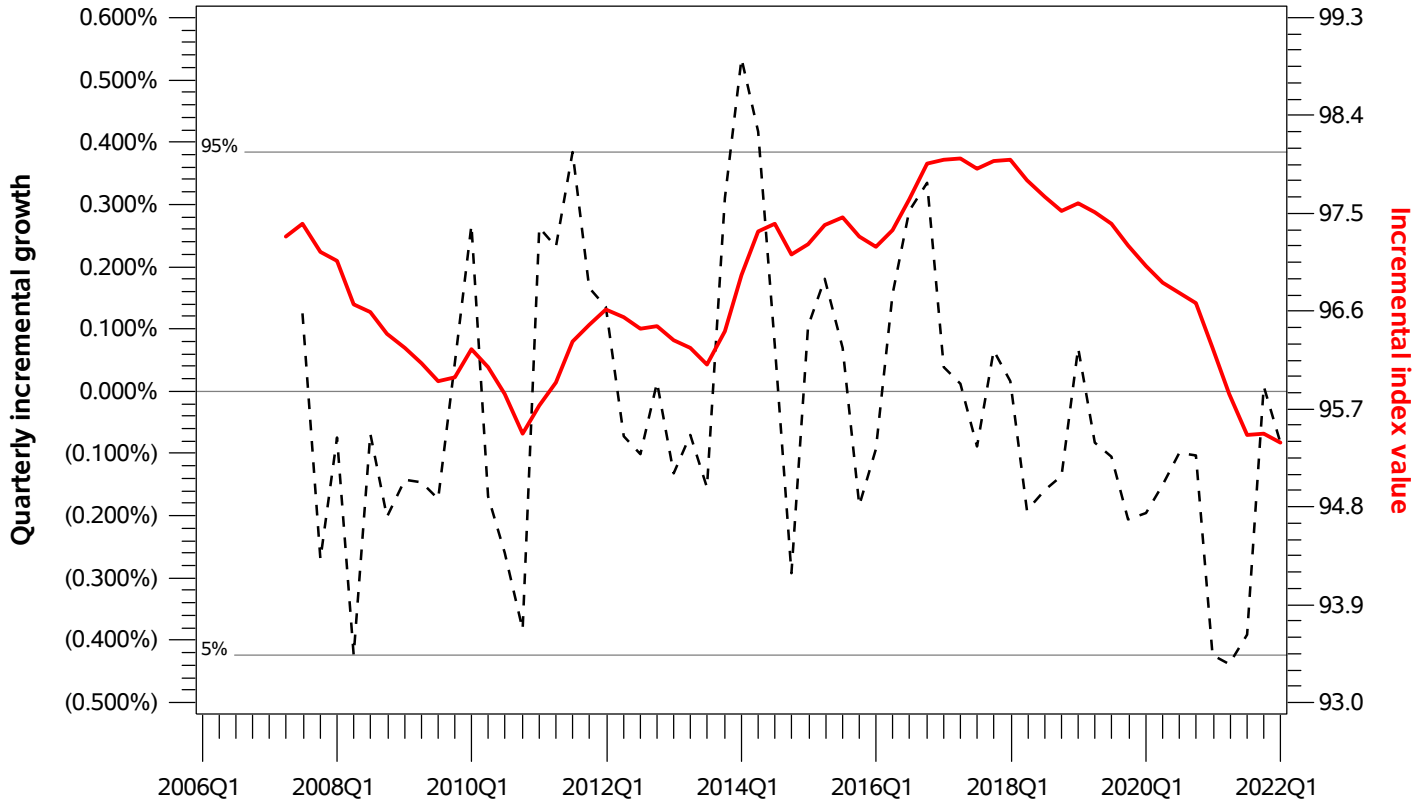


Table 124. ECI: W&S(PRIV) Real estate and rental and leasing, excluding incentive paid incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20253000007101 and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-30.3870	Z_{Tau}	-4.3993
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0008

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0248	AR(1) coefficient	-0.4912
Standard error	0.0390	Standard error	0.1154
t-statistic	-0.6364	t-statistic	-4.2579
Probability t	0.5271	Durbin-Watson	1.8822

Estimated incremental annual growth rate: (0.099%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

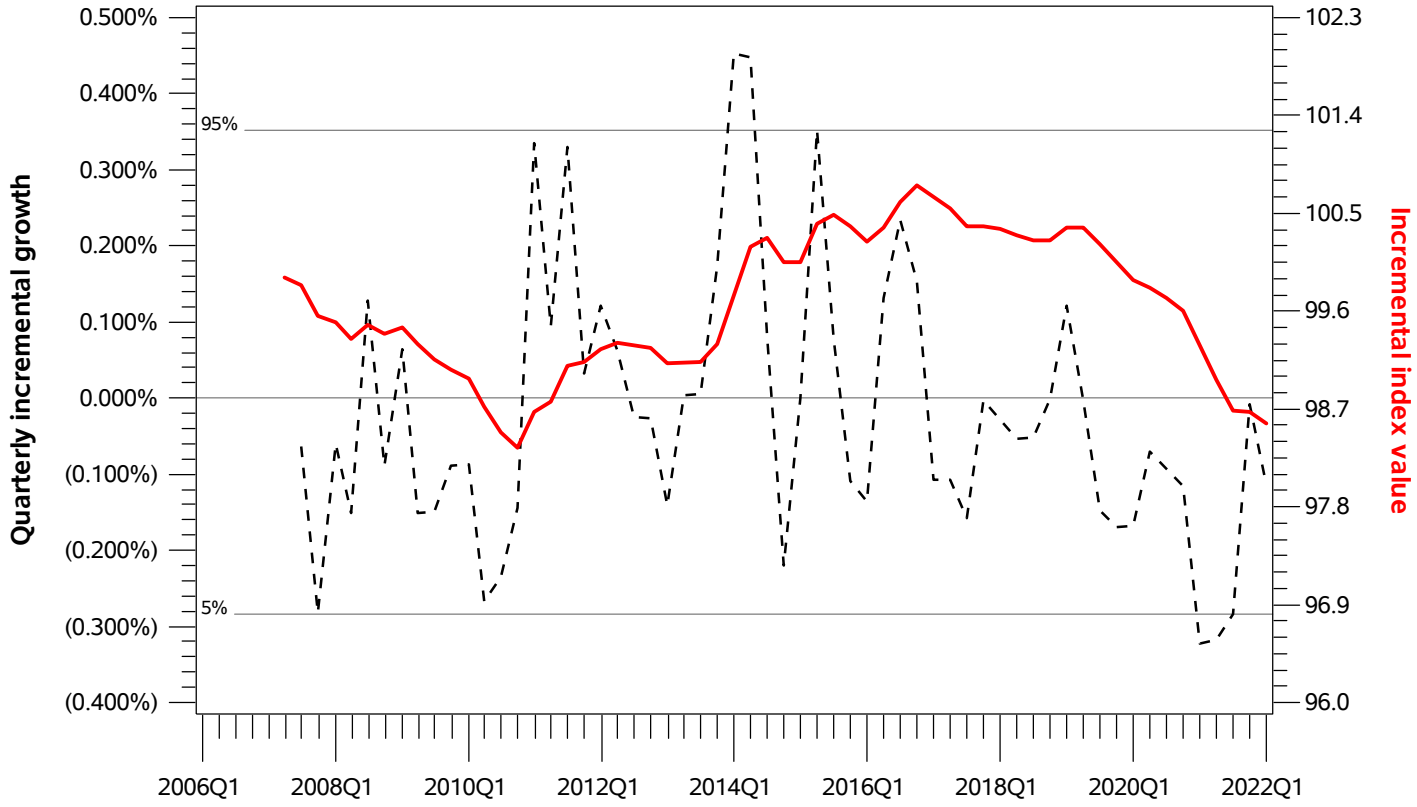


Table 125. ECI: W&S(PRIV) Professional, scientific, and technical services incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20254000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-34.8650	Z_{Tau}	-4.9958
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0213	AR(1) coefficient	-0.3740
Standard error	0.0484	Standard error	0.1228
t-statistic	-0.4390	t-statistic	-3.0450
Probability t	0.6623	Durbin-Watson	2.1088

Estimated incremental annual growth rate: (0.085%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

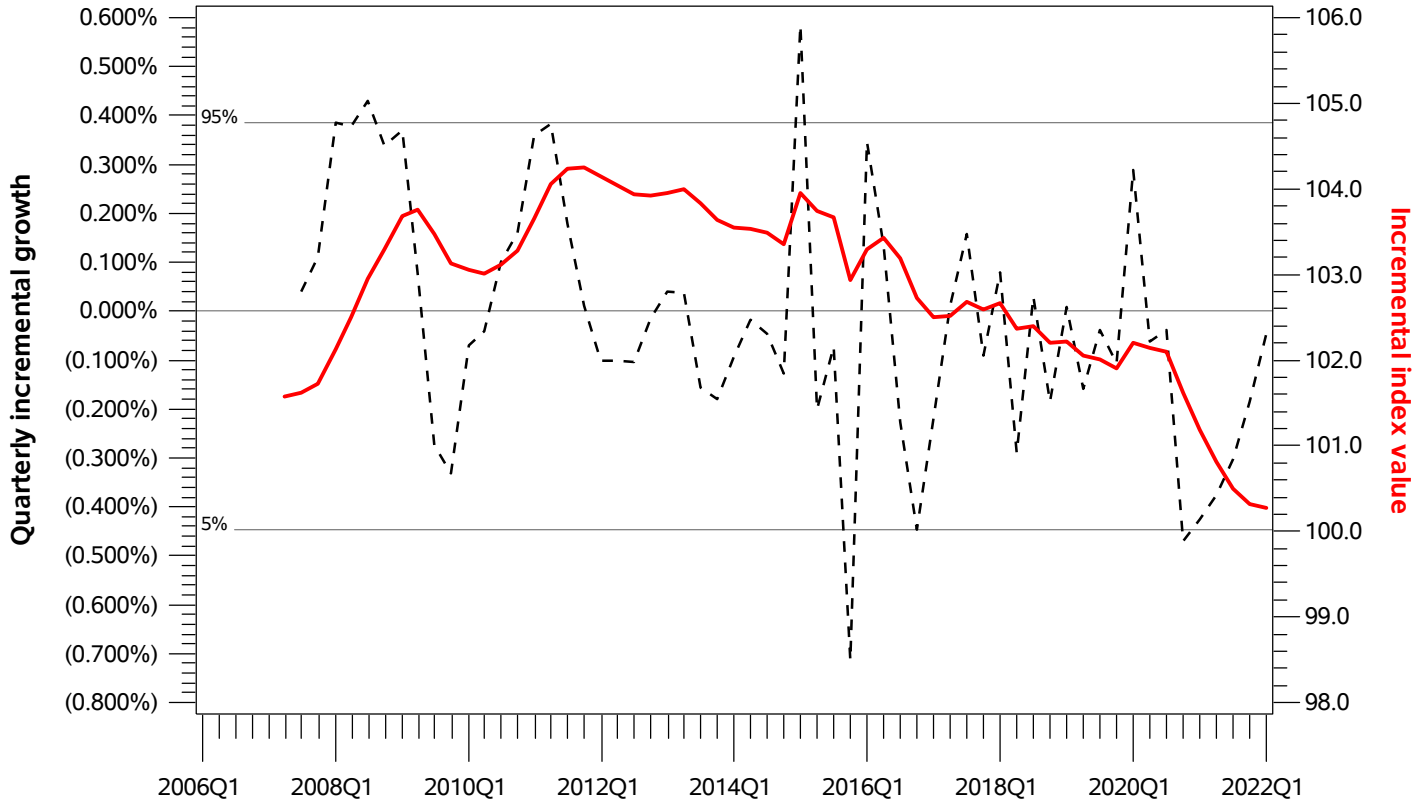


Table 126. ECI: W&S(PRIV) Professional and business services incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202540A000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.2240	Z_{Tau}	-3.9374
Prob Z_{Rho}	0.0013	Prob Z_{Tau}	0.0031

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0178	AR(1) coefficient	-0.5661
Standard error	0.0394	Standard error	0.1092
t-statistic	-0.4517	t-statistic	-5.1844
Probability t	0.6532	Durbin-Watson	1.9741

Estimated incremental annual growth rate: (0.071%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

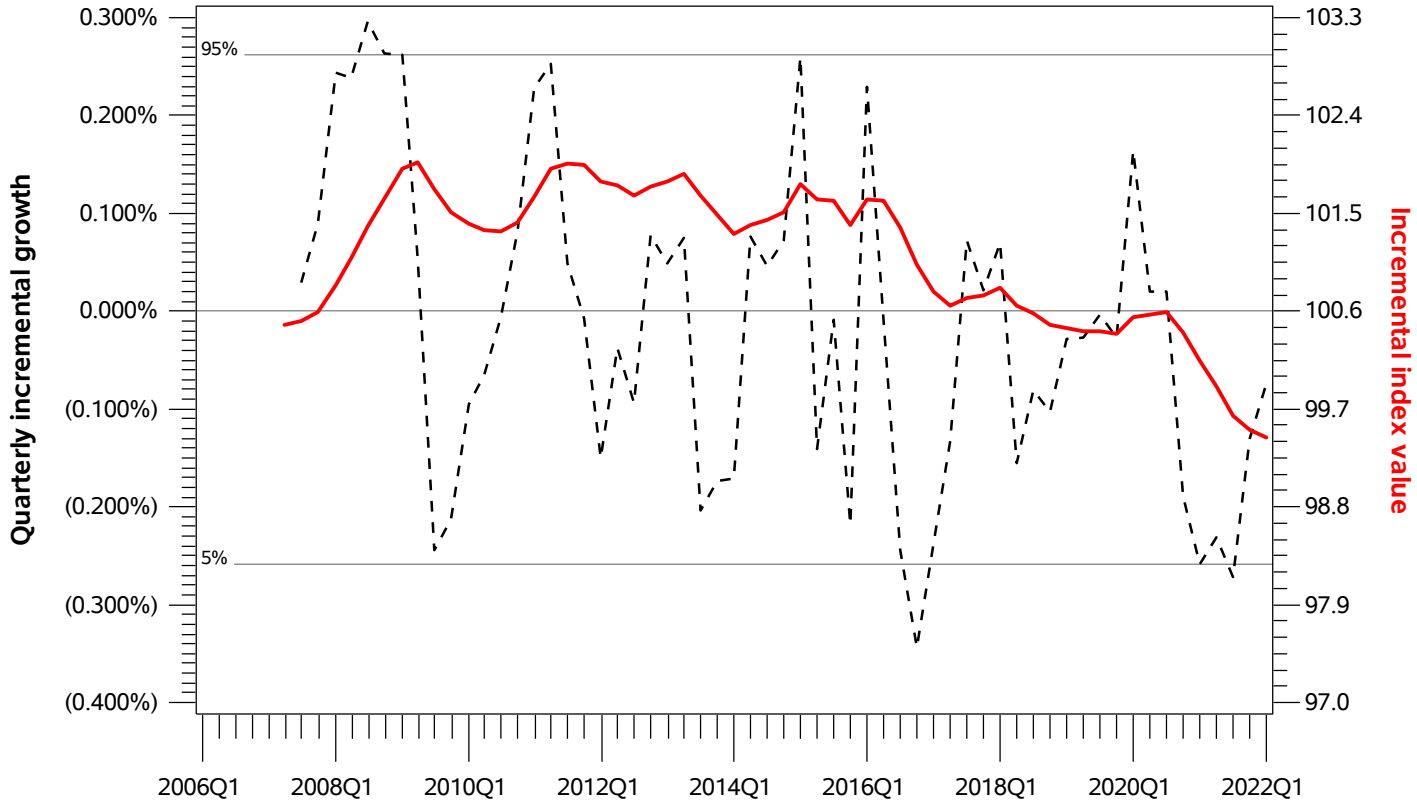


Table 127. ECI: W&S(PRIV) Administrative and support and waste management and remediation services incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20256000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-33.8945	Z_{Tau}	-4.8276
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0136	AR(1) coefficient	-0.4105
Standard error	0.0422	Standard error	0.1208
t-statistic	0.3222	t-statistic	-3.3985
Probability t	0.7485	Durbin-Watson	2.0155

Estimated incremental annual growth rate: 0.054%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

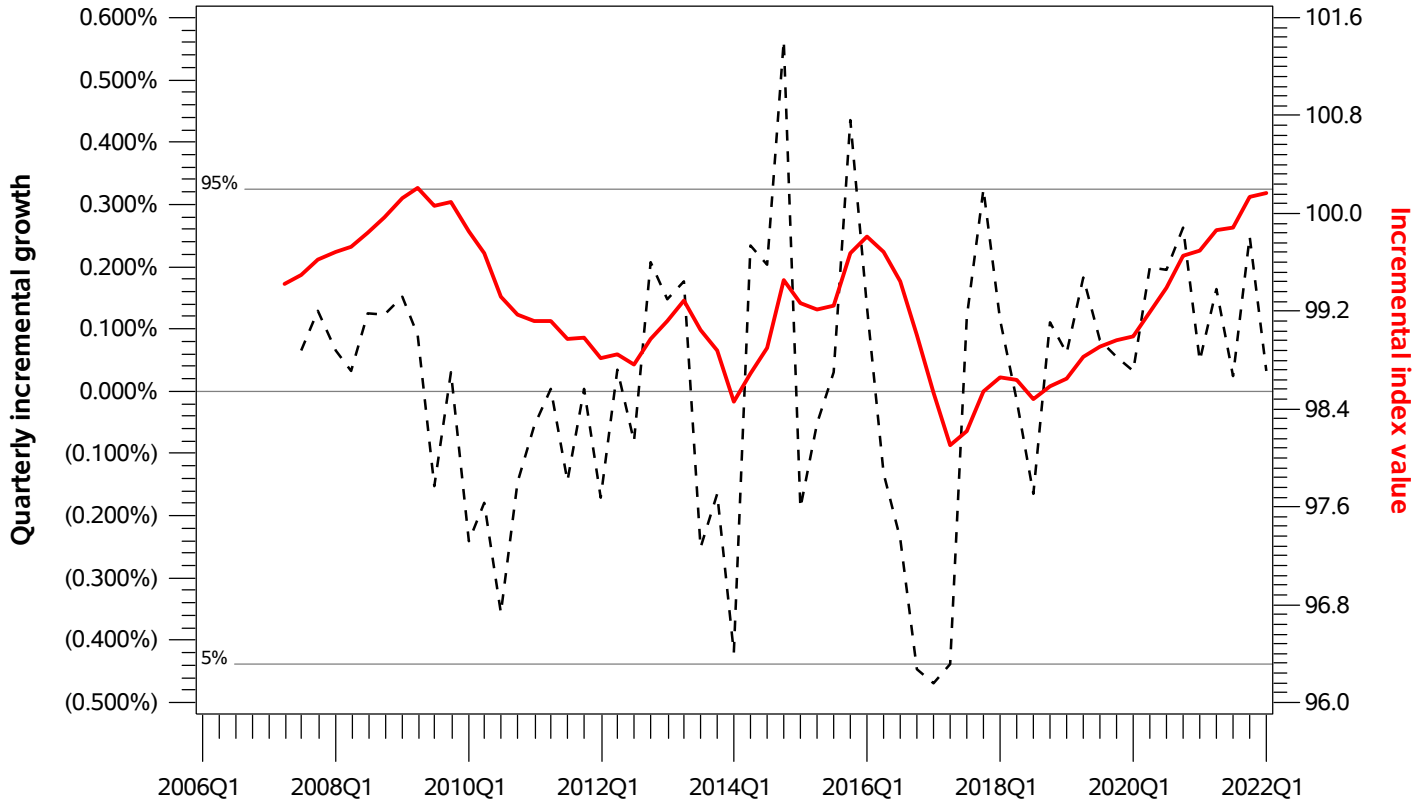


Table 128. ECI: W&S(PRIV) Education and health services incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20260000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-33.0222	Z_{Tau}	-4.8277
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0446	AR(1) coefficient	-0.4221
Standard error	0.0258	Standard error	0.1201
t-statistic	-1.7256	t-statistic	-3.5151
Probability t	0.0898	Durbin-Watson	1.9128

Estimated incremental annual growth rate: (0.178%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.178%)

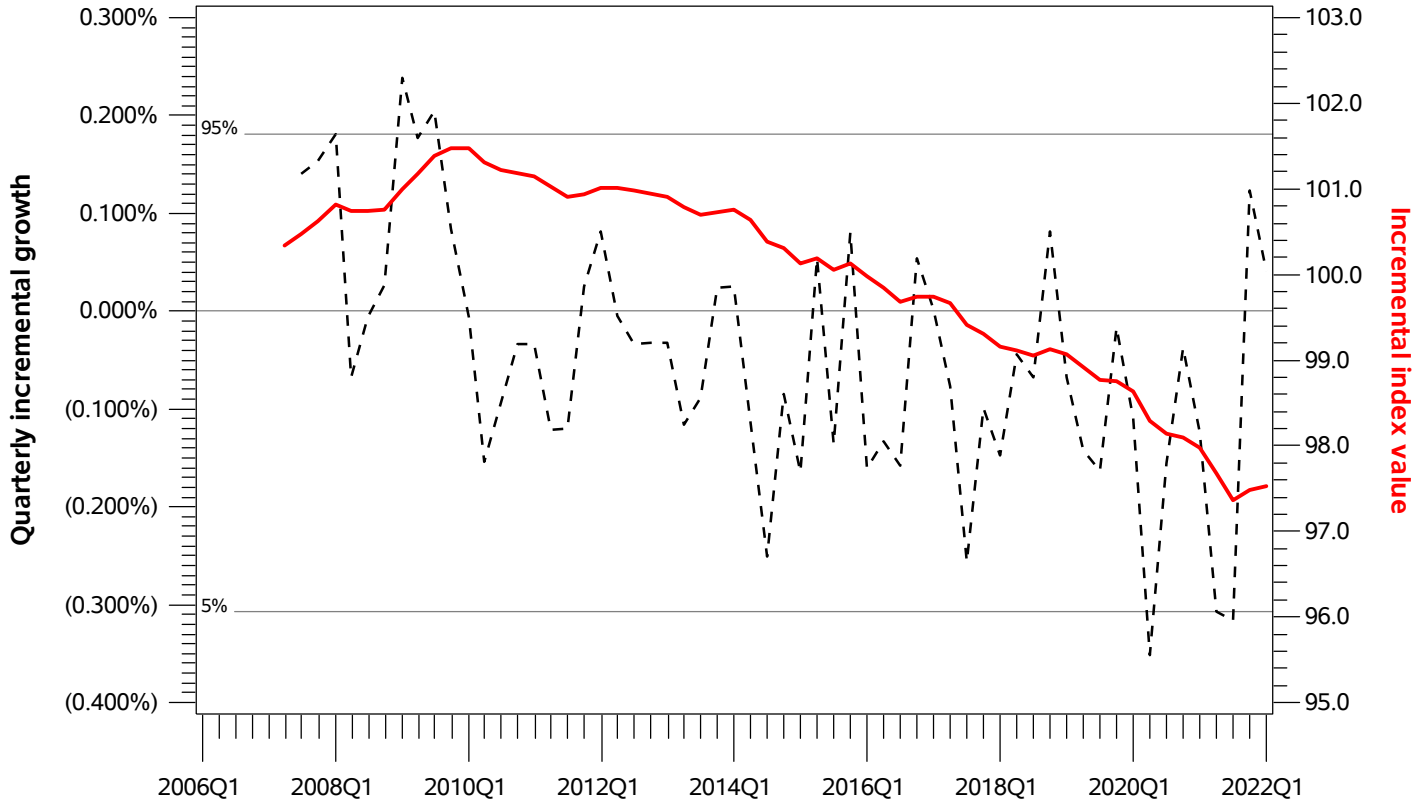


Table 129. ECI: W&S(PRIV) Education services incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20261000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-34.6805	Z_{Tau}	-4.8800
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0667	AR(1) coefficient	-0.4294
Standard error	0.0470	Standard error	0.1196
t-statistic	-1.4192	t-statistic	-3.5893
Probability t	0.1613	Durbin-Watson	1.7543

Estimated incremental annual growth rate: (0.267%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

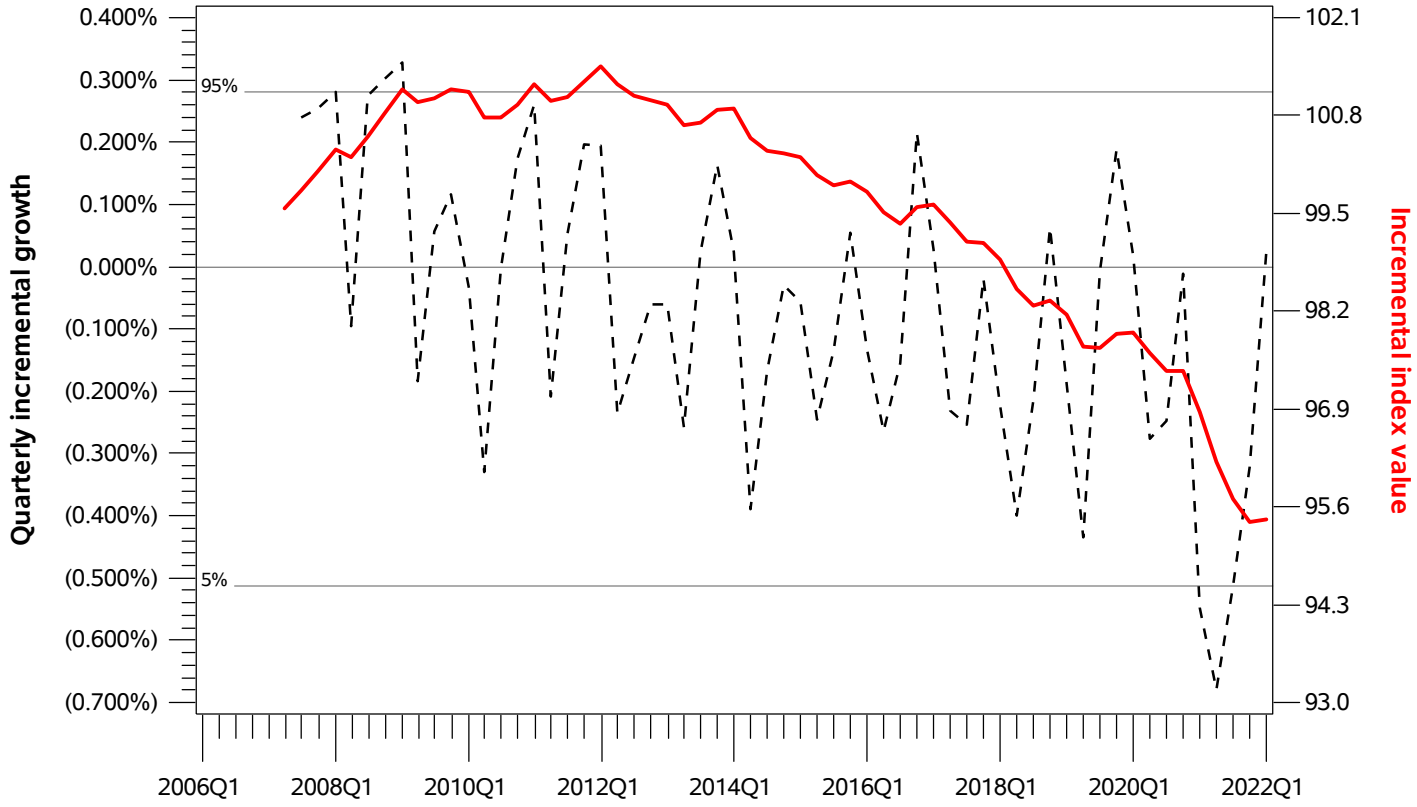


Table 130. ECI: W&S(PRIV) Junior colleges, colleges, and universities incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2026120000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-27.3875	Z_{Tau}	-4.2467
Prob Z_{Rho}	0.0007	Prob Z_{Tau}	0.0012

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0732	AR(1) coefficient	-0.5357
Standard error	0.0598	Standard error	0.1118
t-statistic	-1.2250	t-statistic	-4.7898
Probability t	0.2256	Durbin-Watson	1.8557

Estimated incremental annual growth rate: (0.293%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

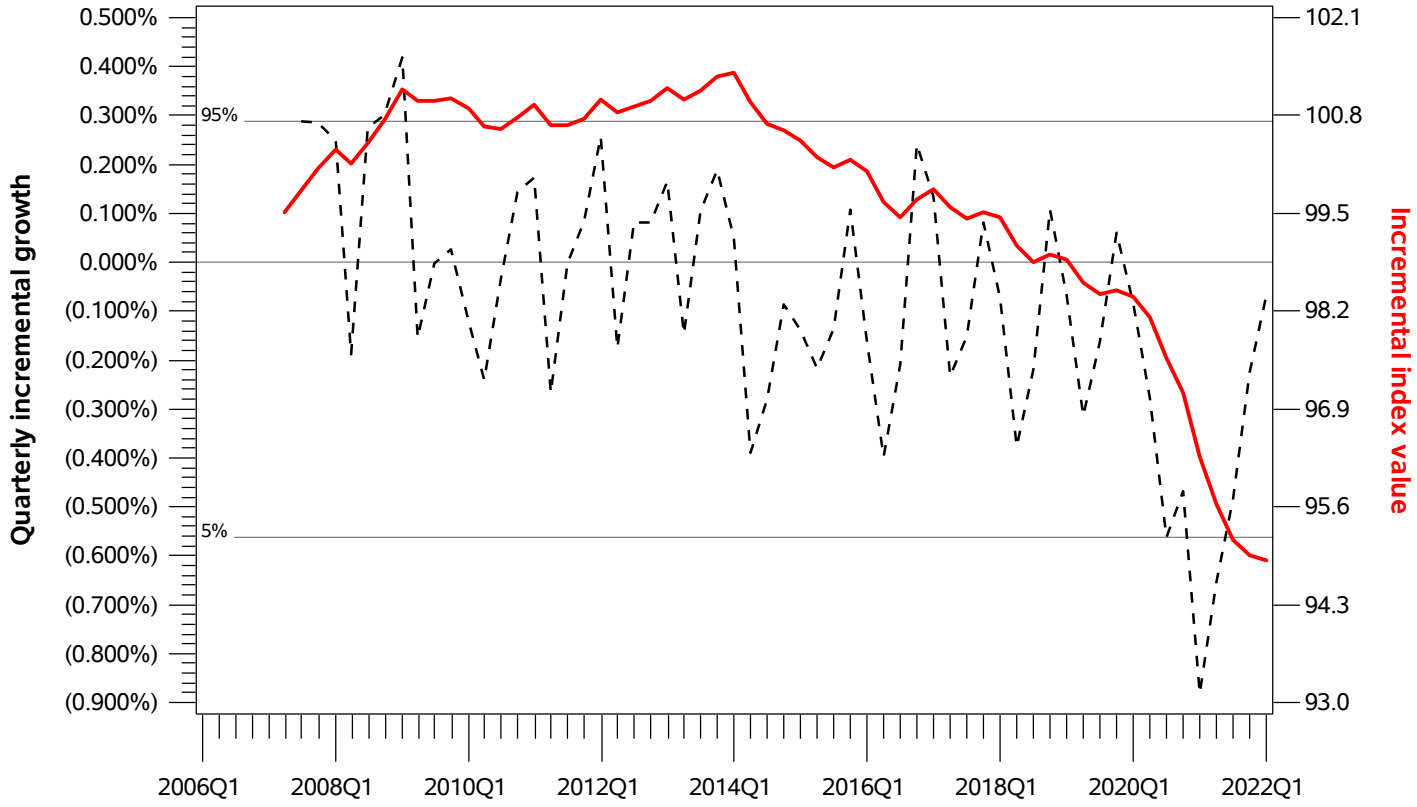


Table 131. ECI: W&S(PRIV) Health care and social assistance incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2026200000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-34.8690	Z_{Tau}	-5.0224
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0402	AR(1) coefficient	-0.3813
Standard error	0.0242	Standard error	0.1224
t-statistic	-1.6638	t-statistic	-3.1136
Probability t	0.1016	Durbin-Watson	1.9654

Estimated incremental annual growth rate: (0.161%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

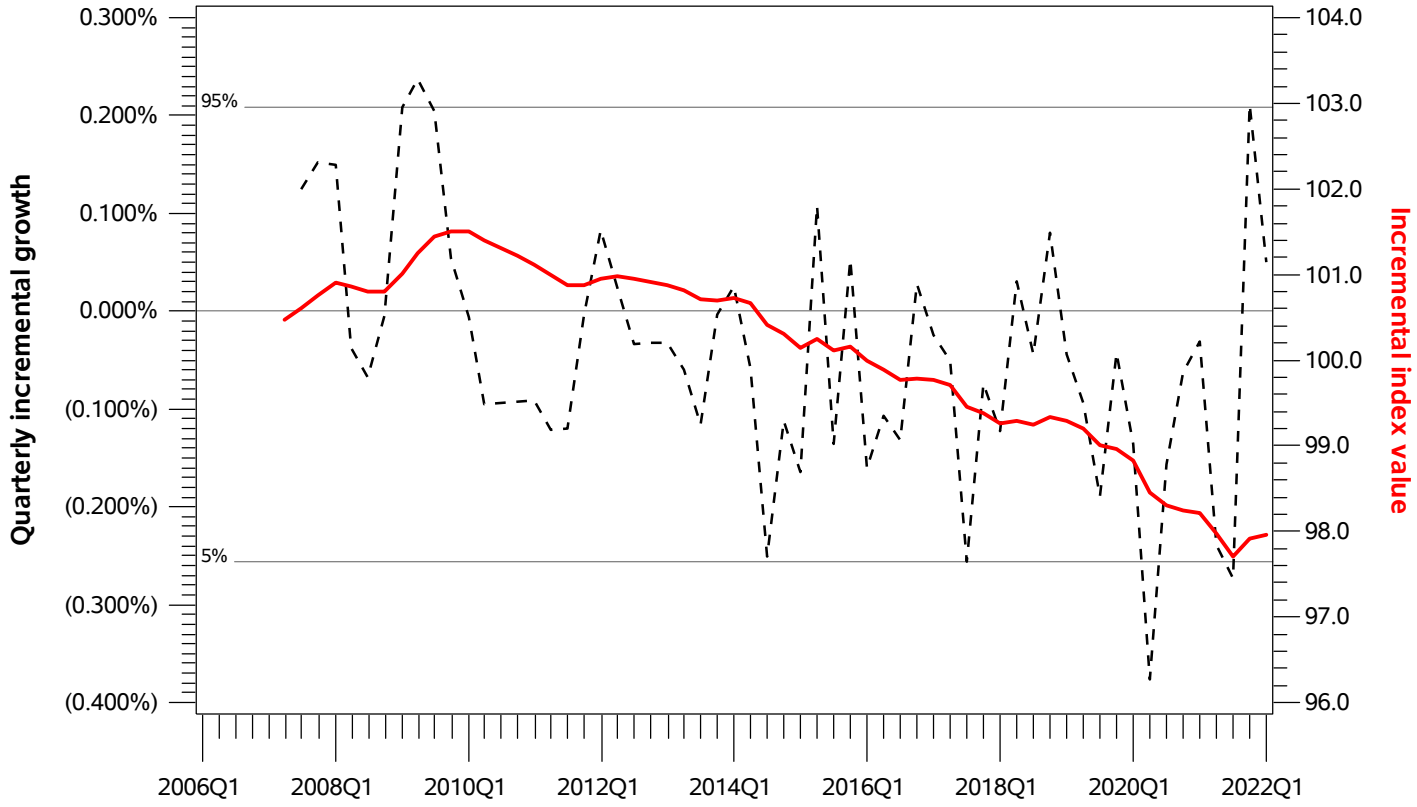


Table 132. ECI: W&S(PRIV) Hospitals incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20262200000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.0680	Z_{Tau}	-4.5070
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0006

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0328	AR(1) coefficient	-0.4376
Standard error	0.0315	Standard error	0.1191
t-statistic	-1.0410	t-statistic	-3.6740
Probability t	0.3023	Durbin-Watson	2.3621

Estimated incremental annual growth rate: (0.131%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

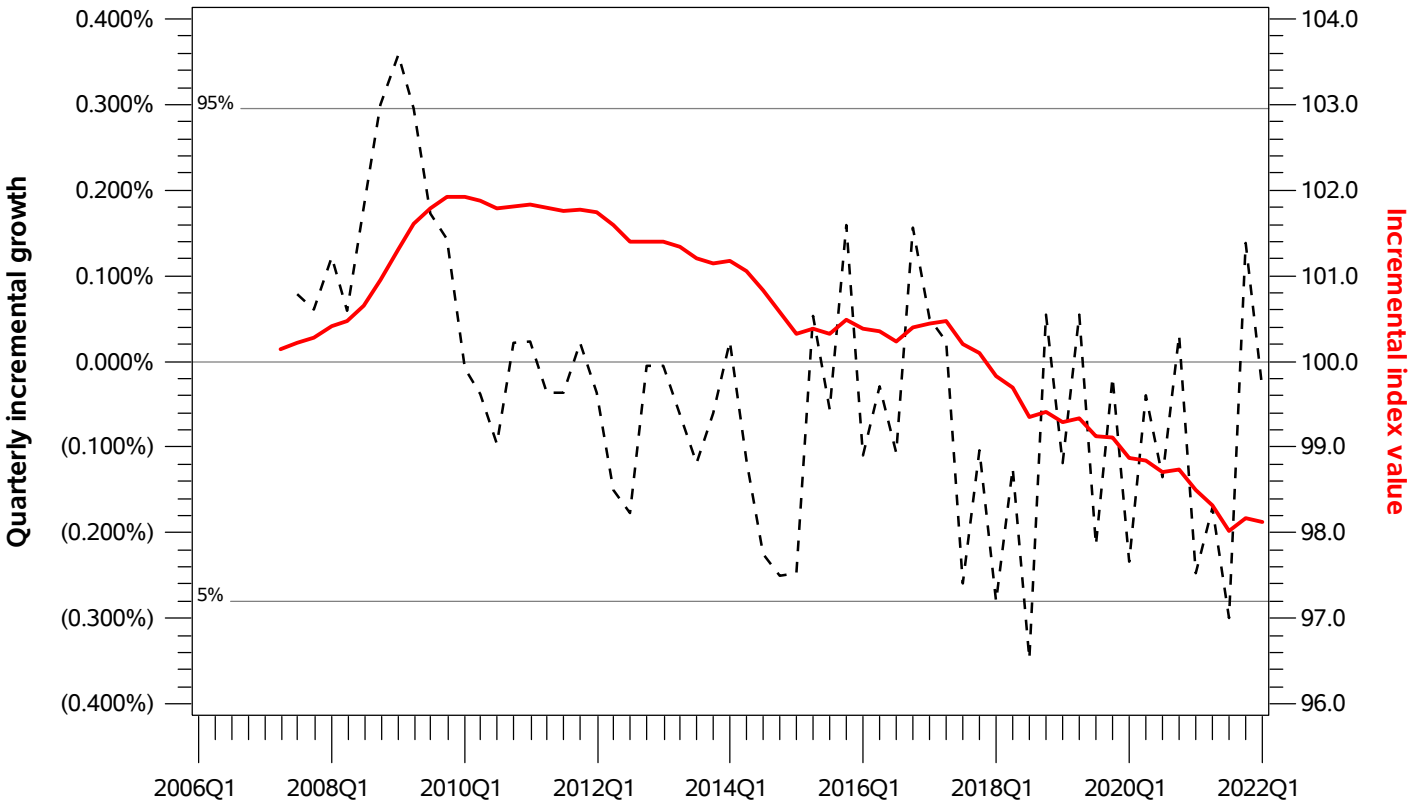


Table 133. ECI: W&S(PRIV) Nursing and residential care facilities incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20262300000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-16.4577	Z_{Tau}	-2.9145
Prob Z_{Rho}	0.0195	Prob Z_{Tau}	0.0496

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0085	AR(1) coefficient	-0.6813
Standard error	0.0499	Standard error	0.0970
t-statistic	-0.1704	t-statistic	-7.0274
Probability t	0.8653	Durbin-Watson	1.9330

Estimated incremental annual growth rate: (0.034%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

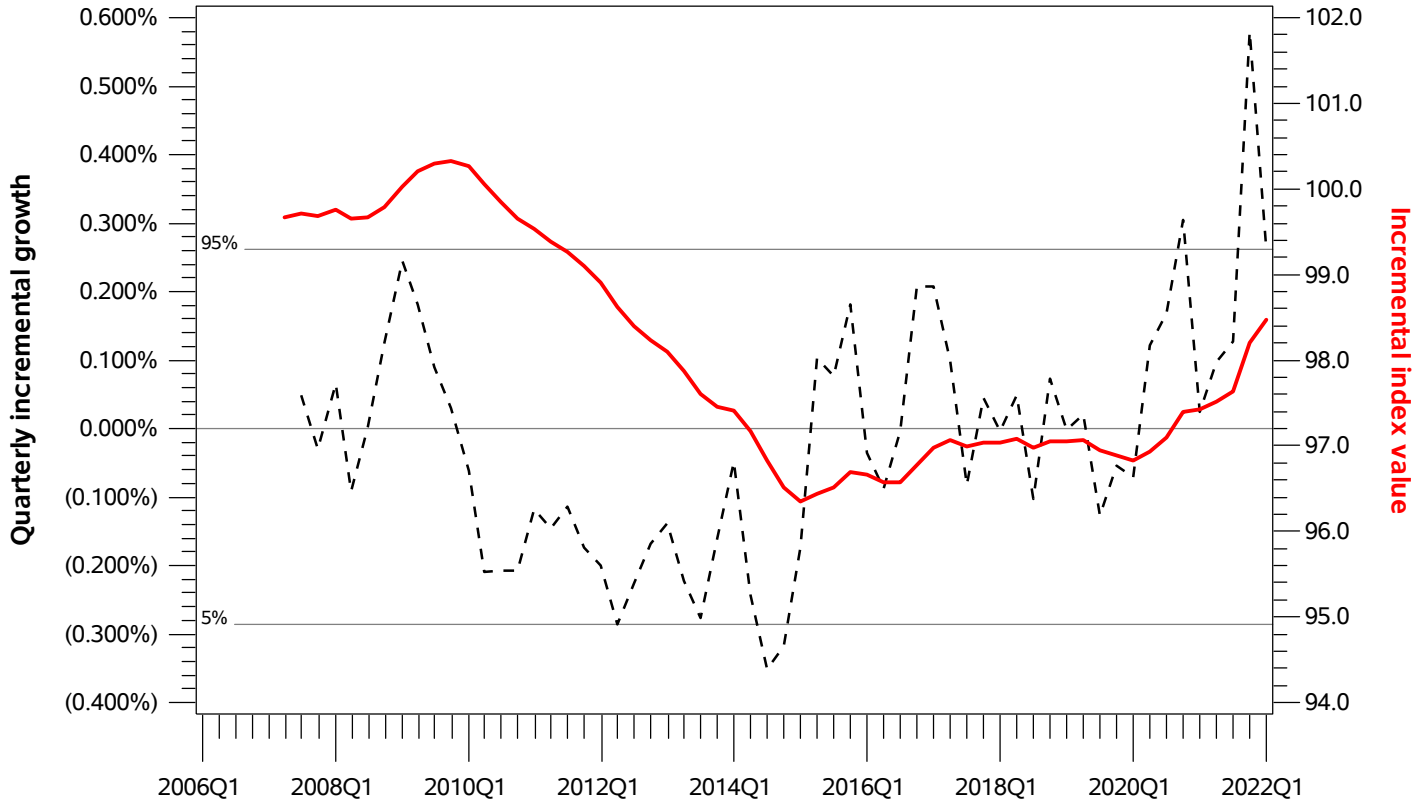


Table 134. ECI: W&S(PRIV) Nursing care facilities incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2026231000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-18.9689	Z_{Tau}	-3.3202
Prob Z_{Rho}	0.0093	Prob Z_{Tau}	0.0182

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0249	AR(1) coefficient	-0.6170
Standard error	0.0464	Standard error	0.1042
t-statistic	-0.5375	t-statistic	-5.9187
Probability t	0.5930	Durbin-Watson	2.2071

Estimated incremental annual growth rate: (0.100%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

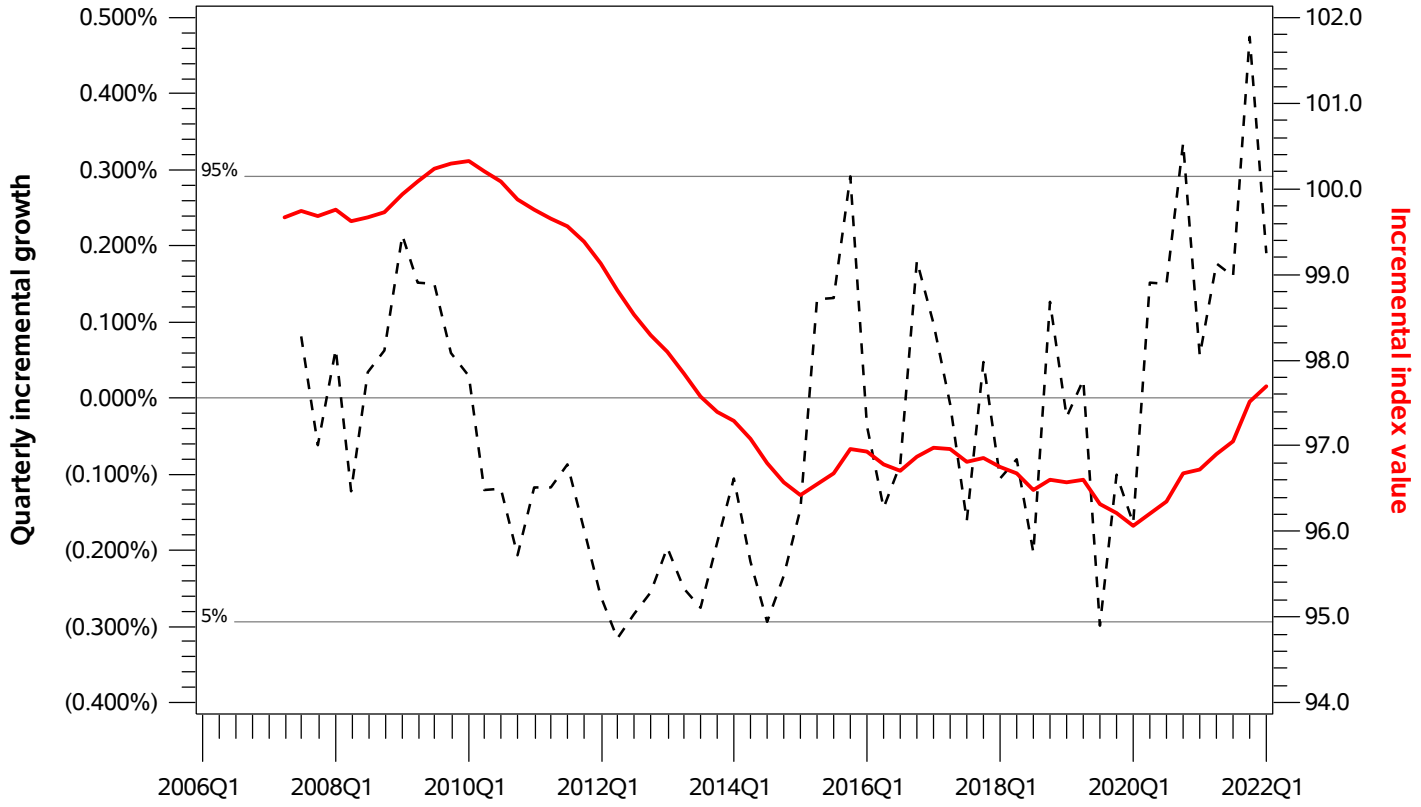


Table 135. ECI: W&S(PRIV) Leisure and hospitality incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20270000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-14.5739	Z_{Tau}	-2.8244
Prob Z_{Rho}	0.0337	Prob Z_{Tau}	0.0609

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1142	AR(1) coefficient	-0.7322
Standard error	0.0939	Standard error	0.0902
t-statistic	1.2163	t-statistic	-8.1165
Probability t	0.2289	Durbin-Watson	1.9788

Estimated incremental annual growth rate: 0.458%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

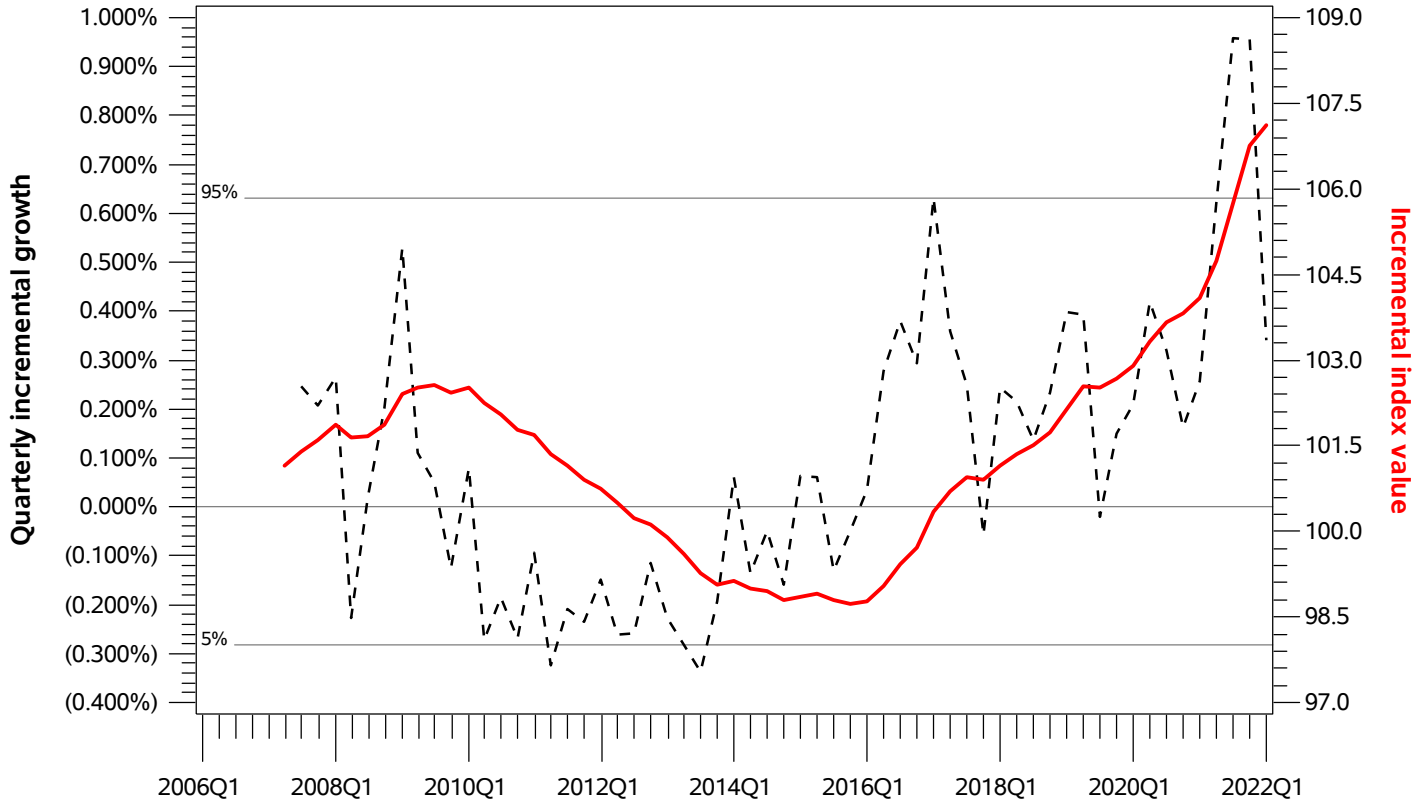


Table 136. ECI: W&S(PRIV) Accommodations and food service incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU2027200000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-11.3922	Z_{Tau}	-2.4717
Prob Z_{Rho}	0.0815	Prob Z_{Tau}	0.1273

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1492	AR(1) coefficient	-0.7775
Standard error	0.1150	Standard error	0.0833
t-statistic	1.2970	t-statistic	-9.3344
Probability t	0.1999	Durbin-Watson	2.0805

Estimated incremental annual growth rate: 0.598%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

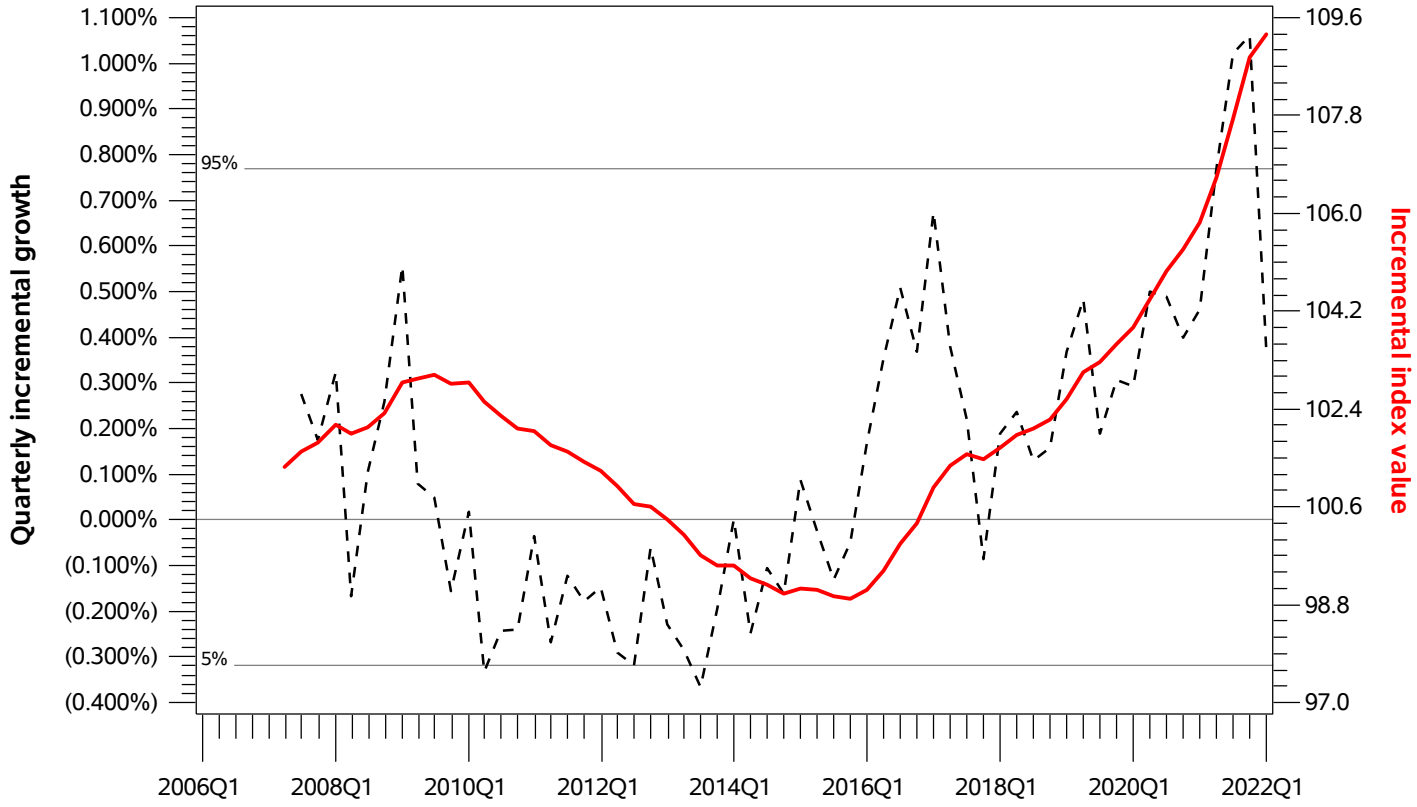


Table 137. ECI: W&S(PRIV) Other services, except public administration incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU20281000000000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-43.0878	Z_{Tau}	-5.7315
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0023	AR(1) coefficient	-0.2628
Standard error	0.0290	Standard error	0.1278
t-statistic	-0.0806	t-statistic	-2.0562
Probability t	0.9360	Durbin-Watson	1.9761

Estimated incremental annual growth rate: (0.009%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

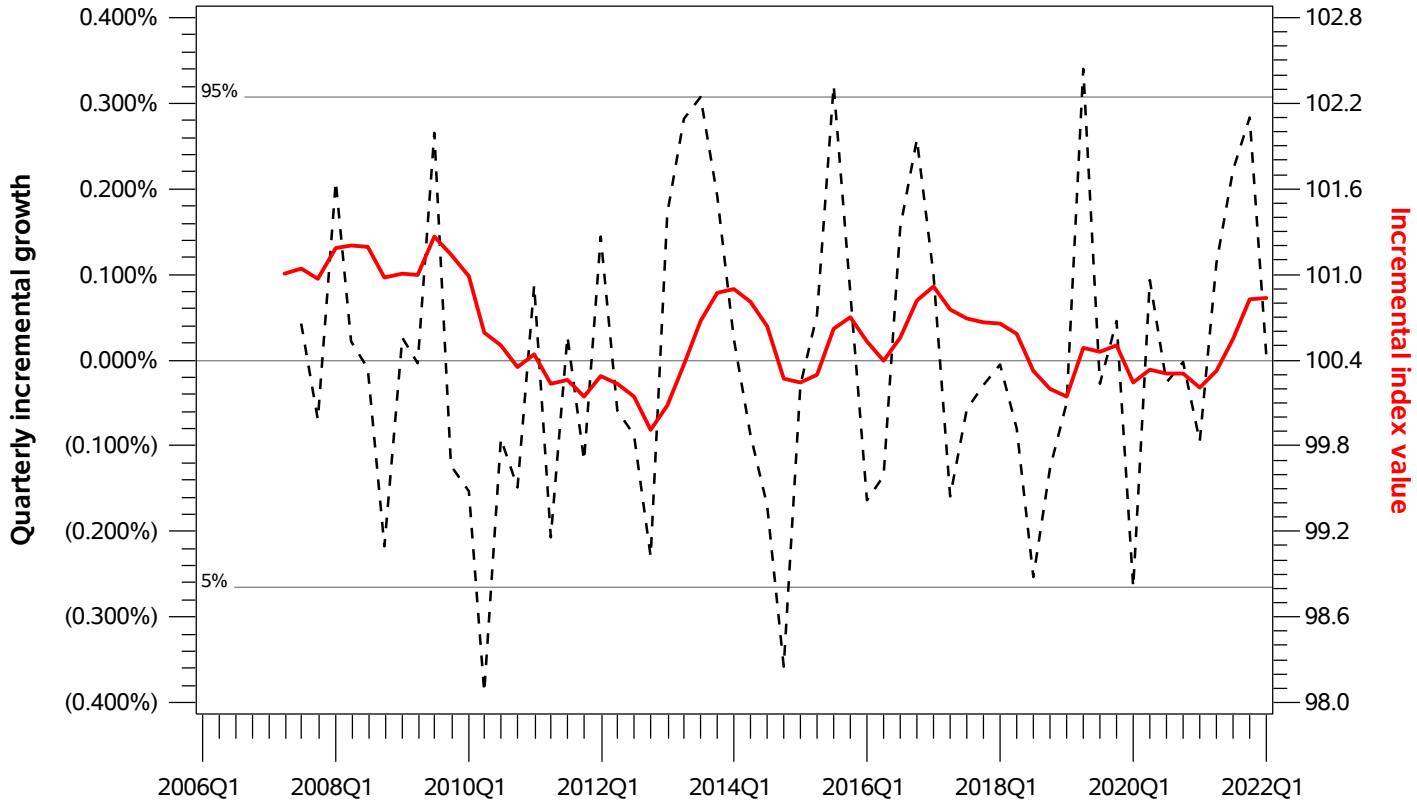


Table 138. ECI: W&S(PRIV) Union, goods-producing industries incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU202G000000510I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-21.8364	Z_{Tau}	-3.7210
Prob Z_{Rho}	0.0039	Prob Z_{Tau}	0.0060

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0251	AR(1) coefficient	-0.5760
Standard error	0.0292	Standard error	0.1083
t-statistic	-0.8599	t-statistic	-5.3200
Probability t	0.3934	Durbin-Watson	2.3026

Estimated incremental annual growth rate: (0.100%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

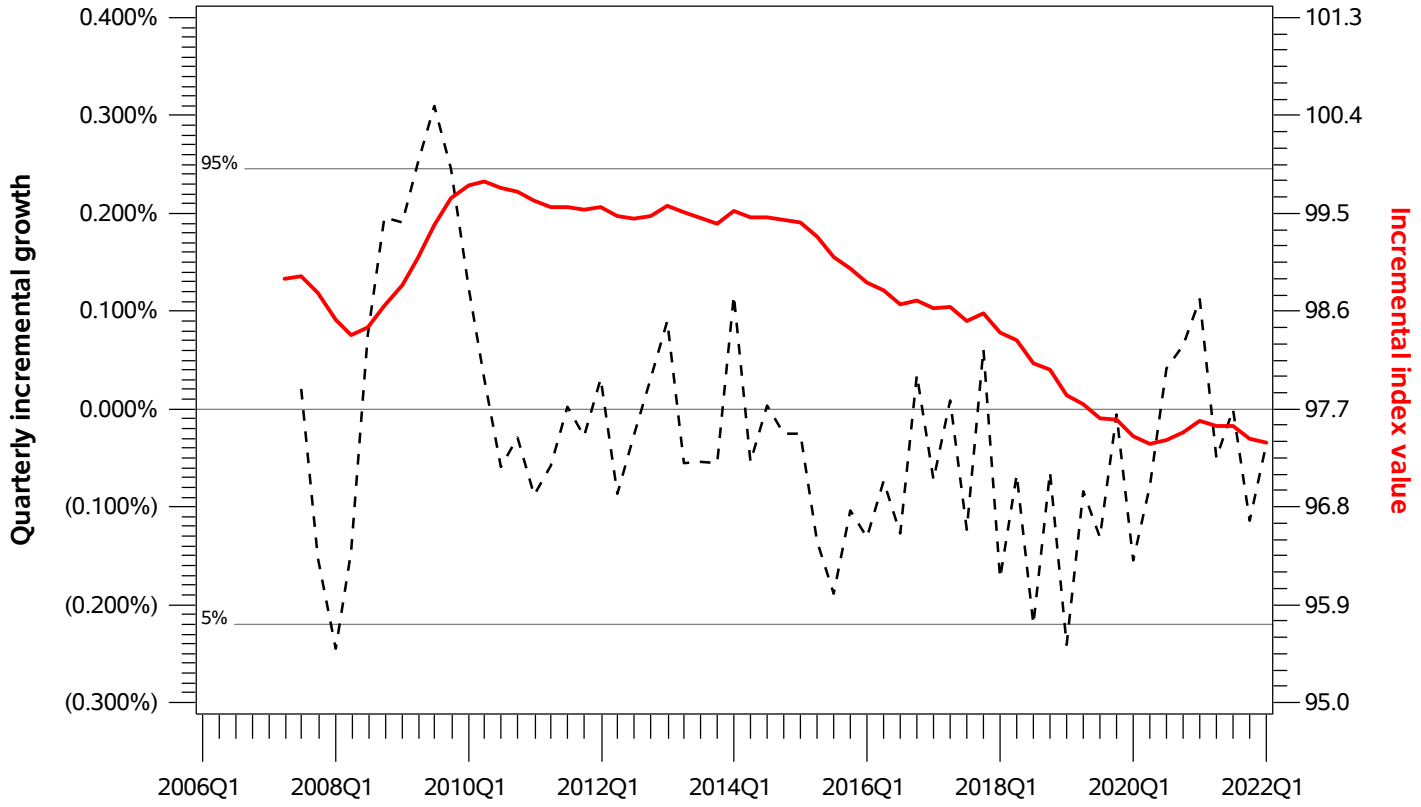


Table 139. ECI: W&S(PRIV) Nonunion, goods-producing industries incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU202G000000520I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.0129	Z_{Tau}	-4.5510
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0058	AR(1) coefficient	-0.4373
Standard error	0.0063	Standard error	0.1191
t-statistic	0.9230	t-statistic	-3.6707
Probability t	0.3599	Durbin-Watson	2.2699

Estimated incremental annual growth rate: 0.023%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

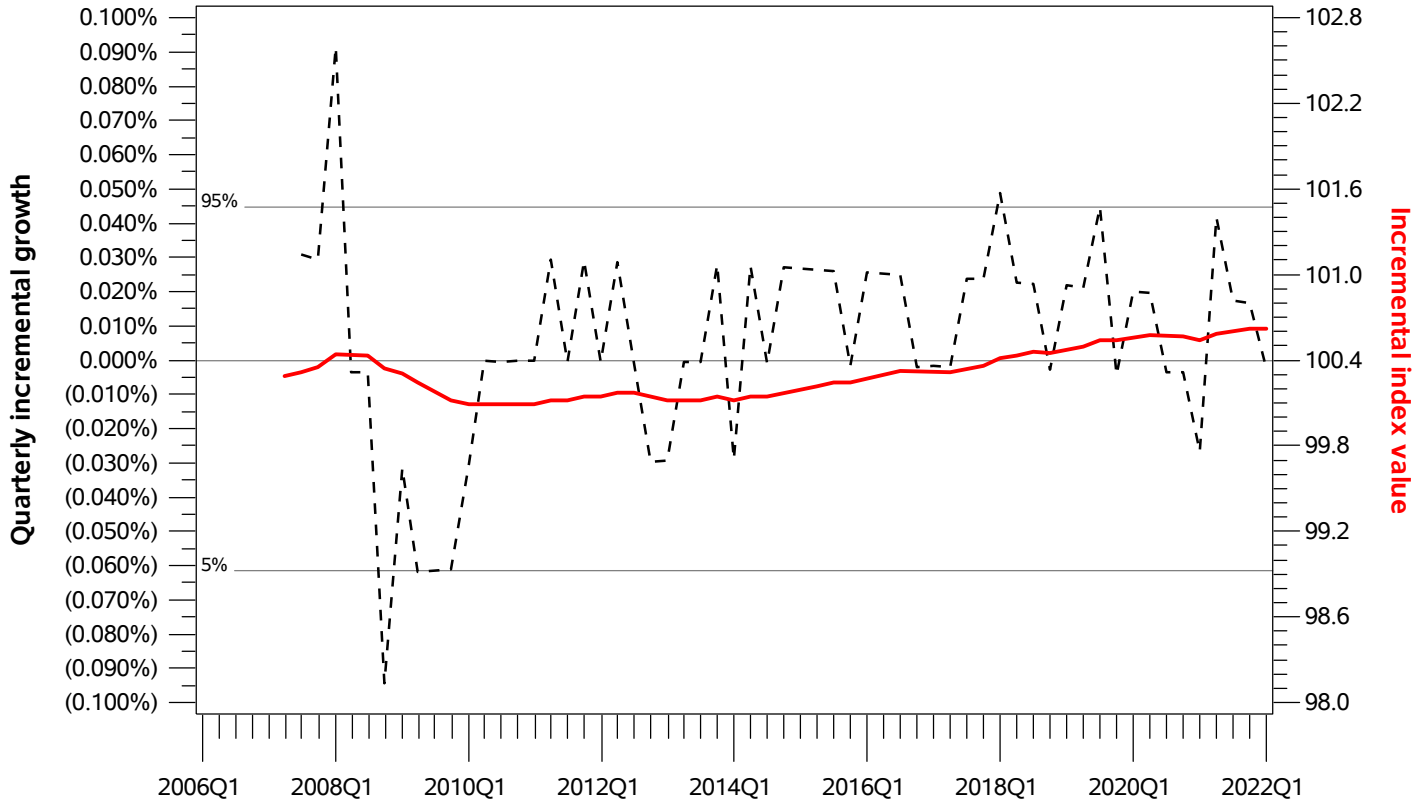


Table 140. ECI: W&S(PRIV) Goods-producing, excluding incentive paid occupations incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU202G000000710I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-41.1290	Z_{Tau}	-5.6423
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0028	AR(1) coefficient	-0.2691
Standard error	0.0078	Standard error	0.1276
t-statistic	-0.3578	t-statistic	-2.1092
Probability t	0.7218	Durbin-Watson	2.0747

Estimated incremental annual growth rate: (0.011%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

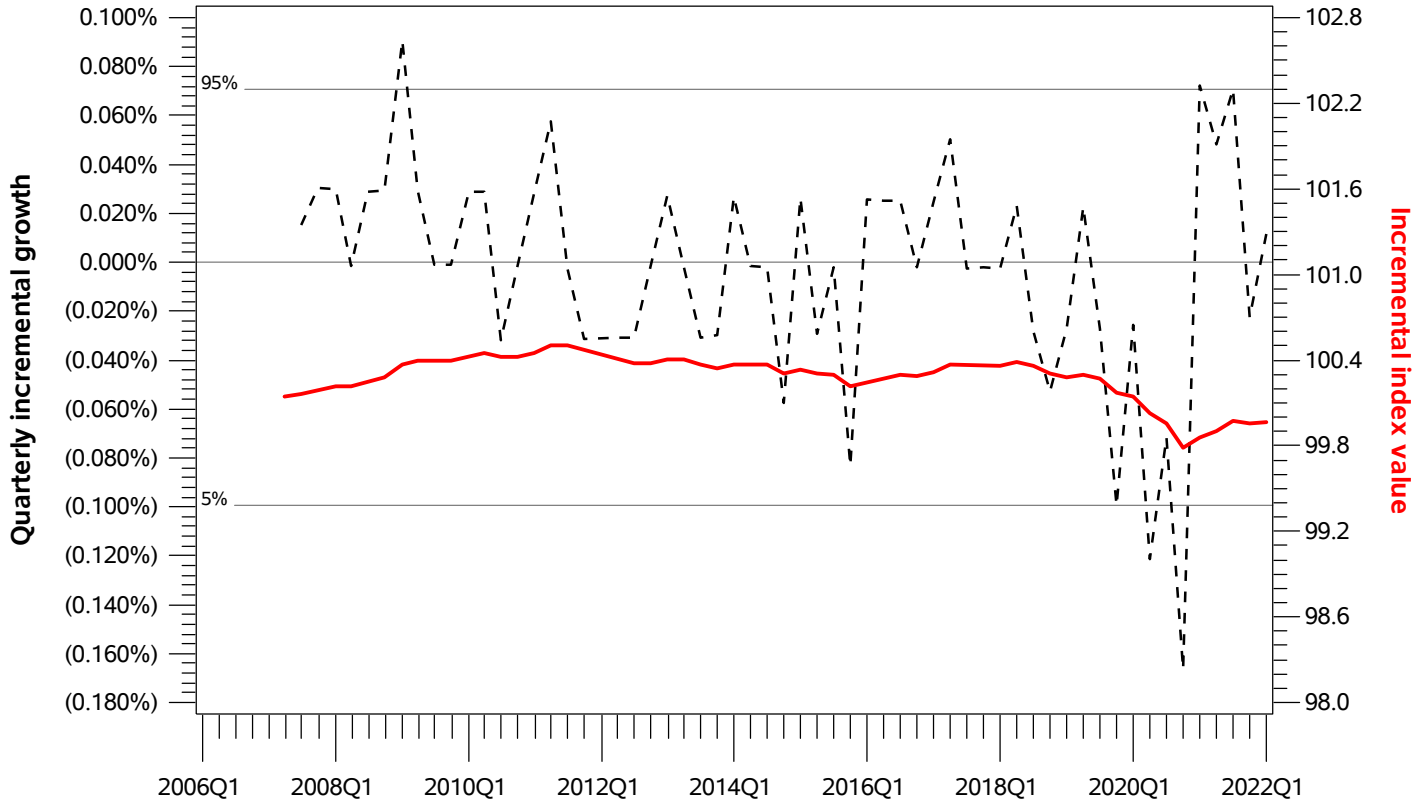


Table 141. ECI: W&S(PRIV) Goods-producing; management, professional, and related occupations incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU202G000100000I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.5515	Z_{Tau}	-3.6226
Prob Z_{Rho}	0.0031	Prob Z_{Tau}	0.0079

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0547	AR(1) coefficient	-0.5921
Standard error	0.0354	Standard error	0.1067
t-statistic	-1.5479	t-statistic	-5.5472
Probability t	0.1272	Durbin-Watson	2.0097

Estimated incremental annual growth rate: (0.219%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

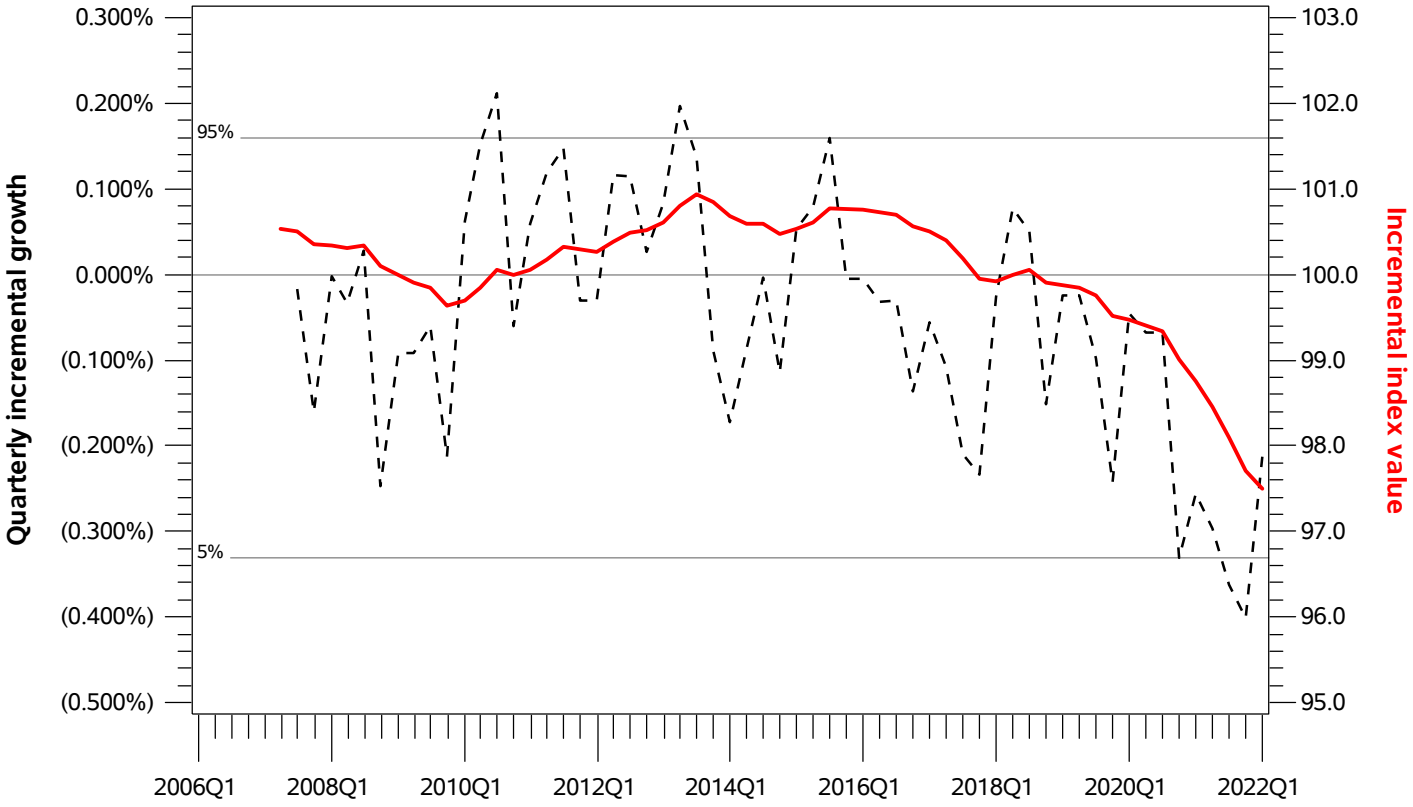


Table 142. ECI: W&S(PRIV) Goods-producing, sales and office occupations incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU202G000200000I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-56.7204	Z_{Tau}	-7.3116
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0720	AR(1) coefficient	-0.0195
Standard error	0.0396	Standard error	0.1324
t-statistic	1.8191	t-statistic	-0.1475
Probability t	0.0742	Durbin-Watson	1.9934

Estimated incremental annual growth rate: 0.288%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.288%

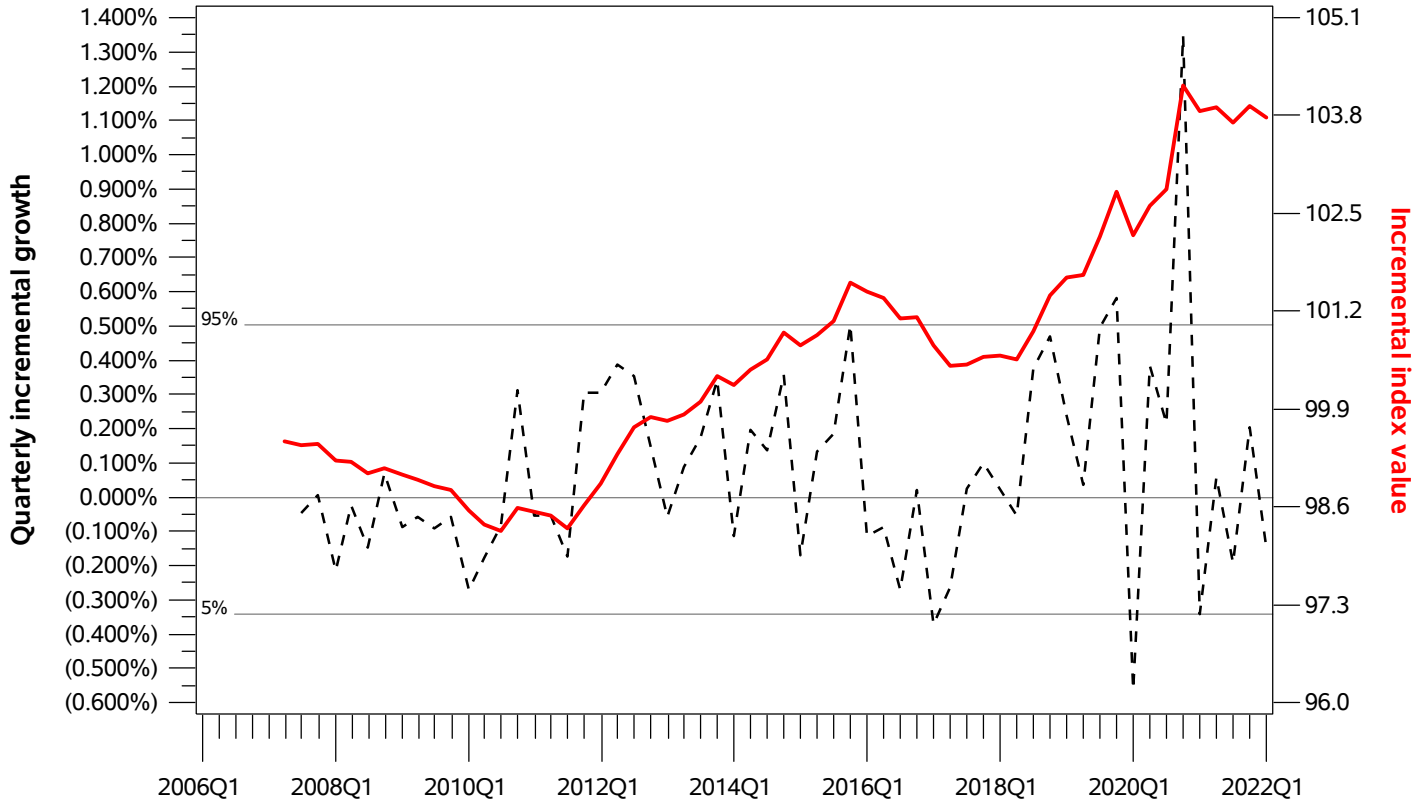


Table 143. ECI: W&S(PRIV) Goods-producing; natural resources, construction, and maintenance incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU202G000400000I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.9144	Z_{Tau}	-4.5340
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0027	AR(1) coefficient	-0.4539
Standard error	0.0266	Standard error	0.1180
t-statistic	-0.1009	t-statistic	-3.8462
Probability t	0.9200	Durbin-Watson	2.0027

Estimated incremental annual growth rate: (0.011%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

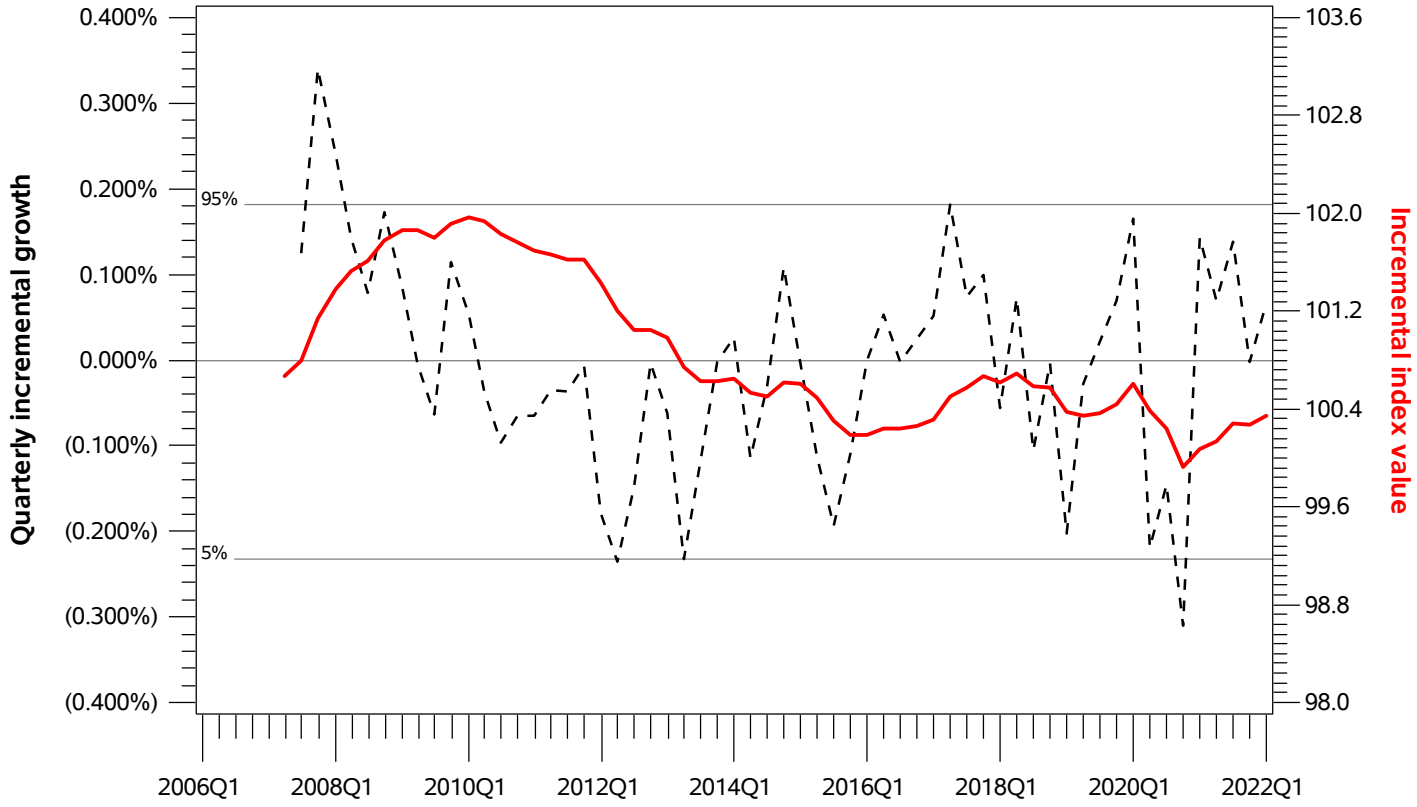


Table 144. ECI: W&S(PRIV) Goods-producing; production, transportation, and material moving incremental growth over ECI: W&S(PRIV) Goods-producing industries

LABSTAT series identifiers: CIU202G000500000I and CIU202G000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-14.7369	Z_{Tau}	-2.7253
Prob Z_{Rho}	0.0321	Prob Z_{Tau}	0.0757

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0389	AR(1) coefficient	-0.7144
Standard error	0.0340	Standard error	0.0927
t-statistic	1.1451	t-statistic	-7.7076
Probability t	0.2570	Durbin-Watson	1.7943

Estimated incremental annual growth rate: 0.156%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

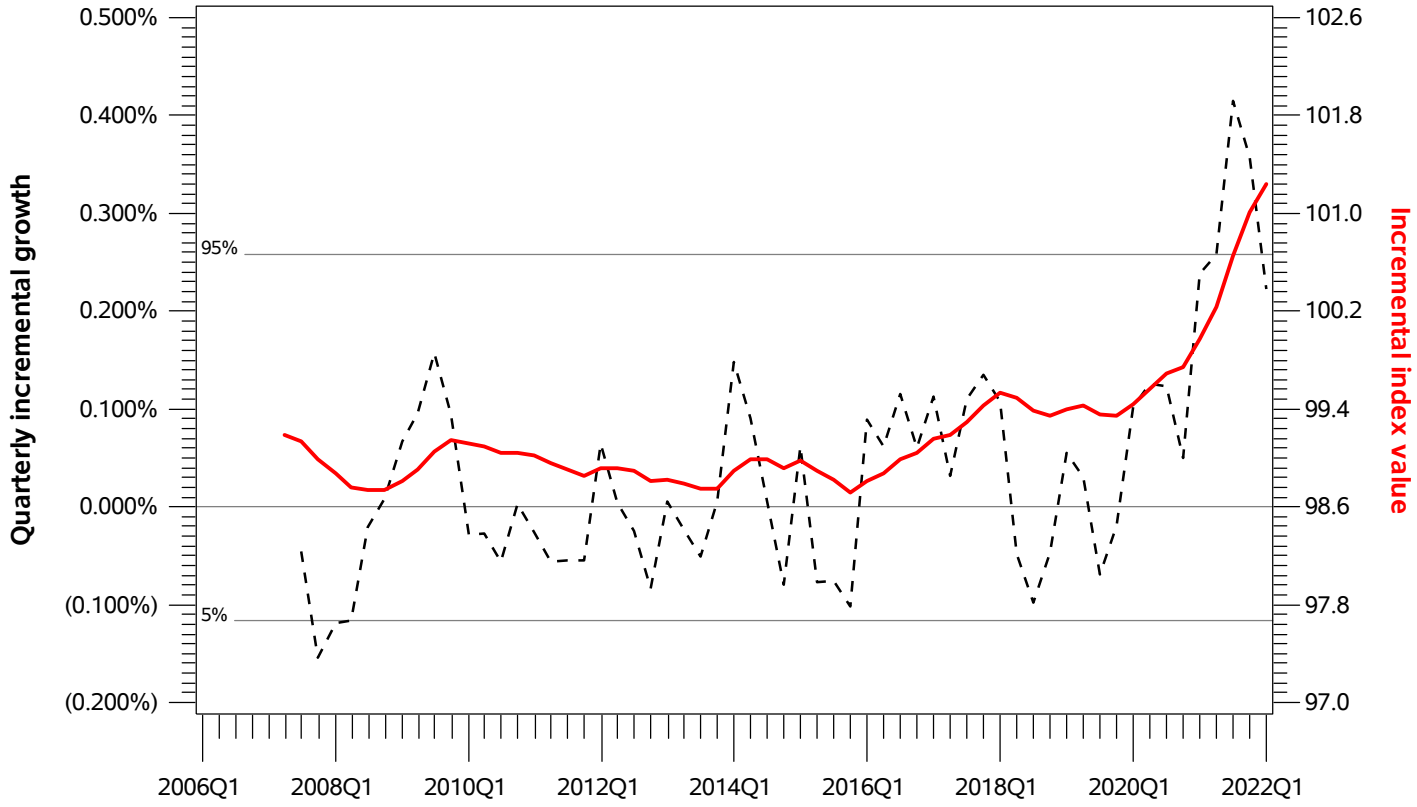


Table 145. ECI: W&S(PRIV) Union, service-providing industries incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202S000000510I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-12.4729	Z_{Tau}	-2.5367
Prob Z_{Rho}	0.0606	Prob Z_{Tau}	0.1120

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0341	AR(1) coefficient	-0.7058
Standard error	0.0552	Standard error	0.0938
t-statistic	0.6172	t-statistic	-7.5218
Probability t	0.5396	Durbin-Watson	2.3185

Estimated incremental annual growth rate: 0.136%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

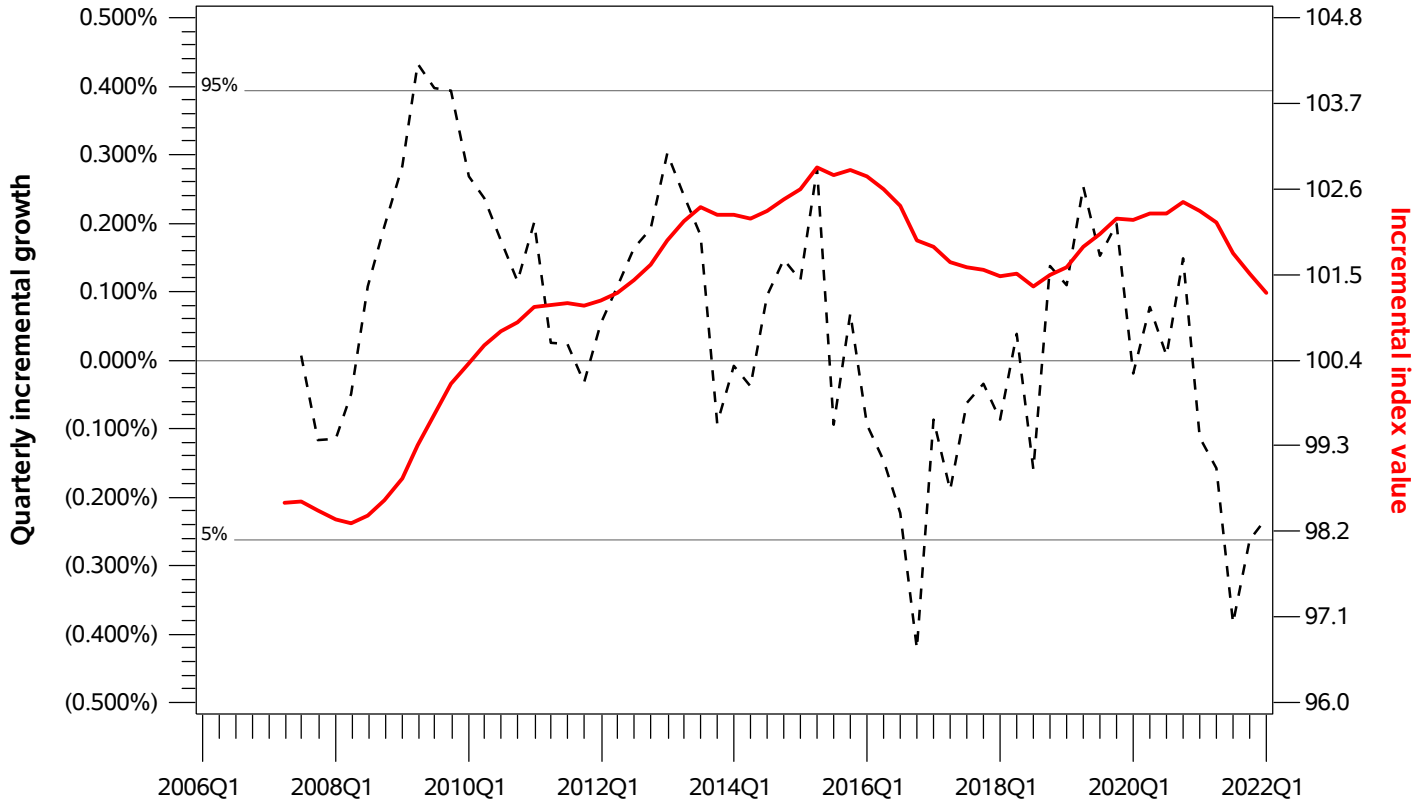


Table 146. ECI: W&S(PRIV) Nonunion, service-providing industries incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202S000000520I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-39.1763	Z_{Tau}	-5.5496
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0044	AR(1) coefficient	-0.2627
Standard error	0.0042	Standard error	0.1278
t-statistic	-1.0351	t-statistic	-2.0559
Probability t	0.3050	Durbin-Watson	2.1971

Estimated incremental annual growth rate: (0.018%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

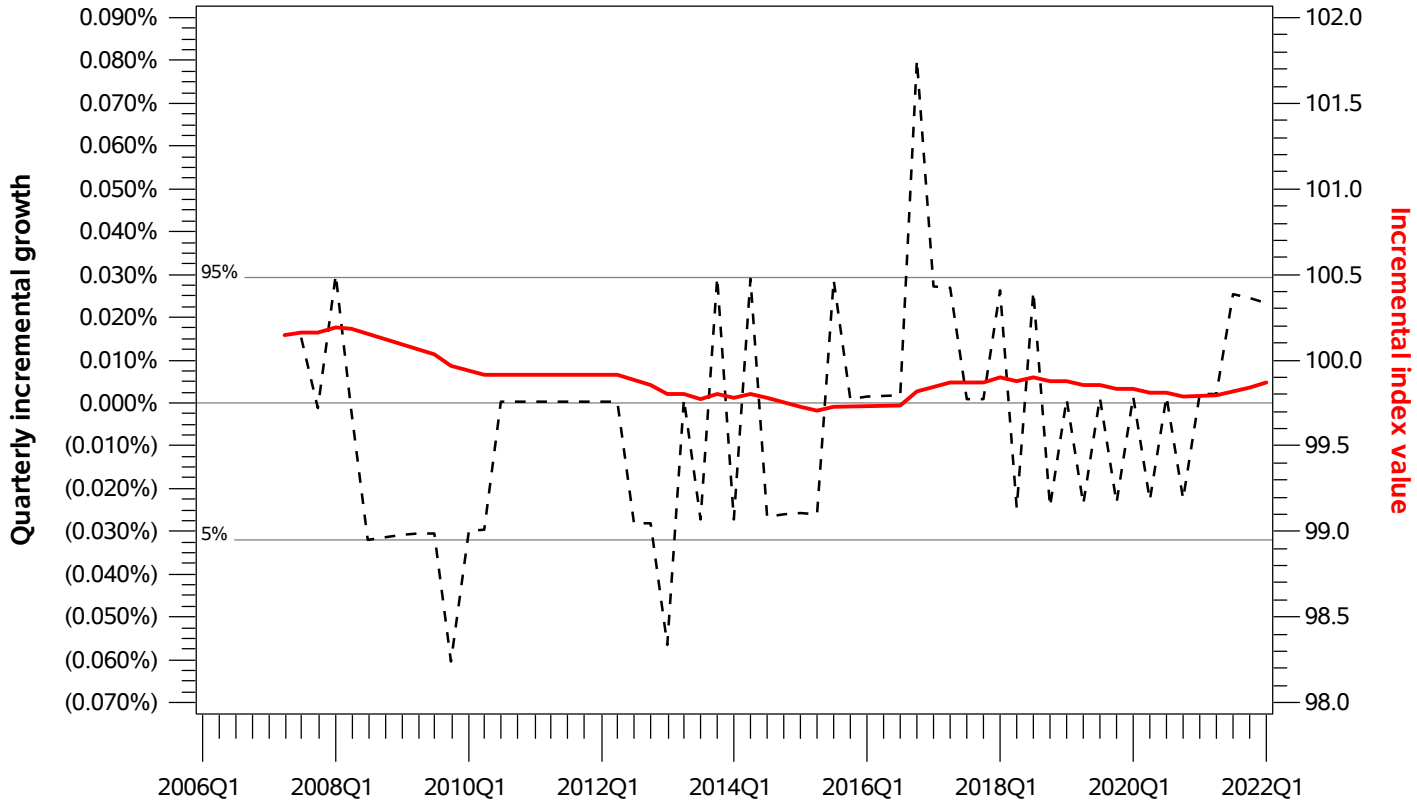


Table 147. ECI: W&S(PRIV) Service-providing, excluding incentive paid occupations incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202S000000710I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.8604	Z_{Tau}	-4.3889
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0008

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0110	AR(1) coefficient	-0.4784
Standard error	0.0173	Standard error	0.1163
t-statistic	-0.6355	t-statistic	-4.1125
Probability t	0.5276	Durbin-Watson	2.0497

Estimated incremental annual growth rate: (0.044%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

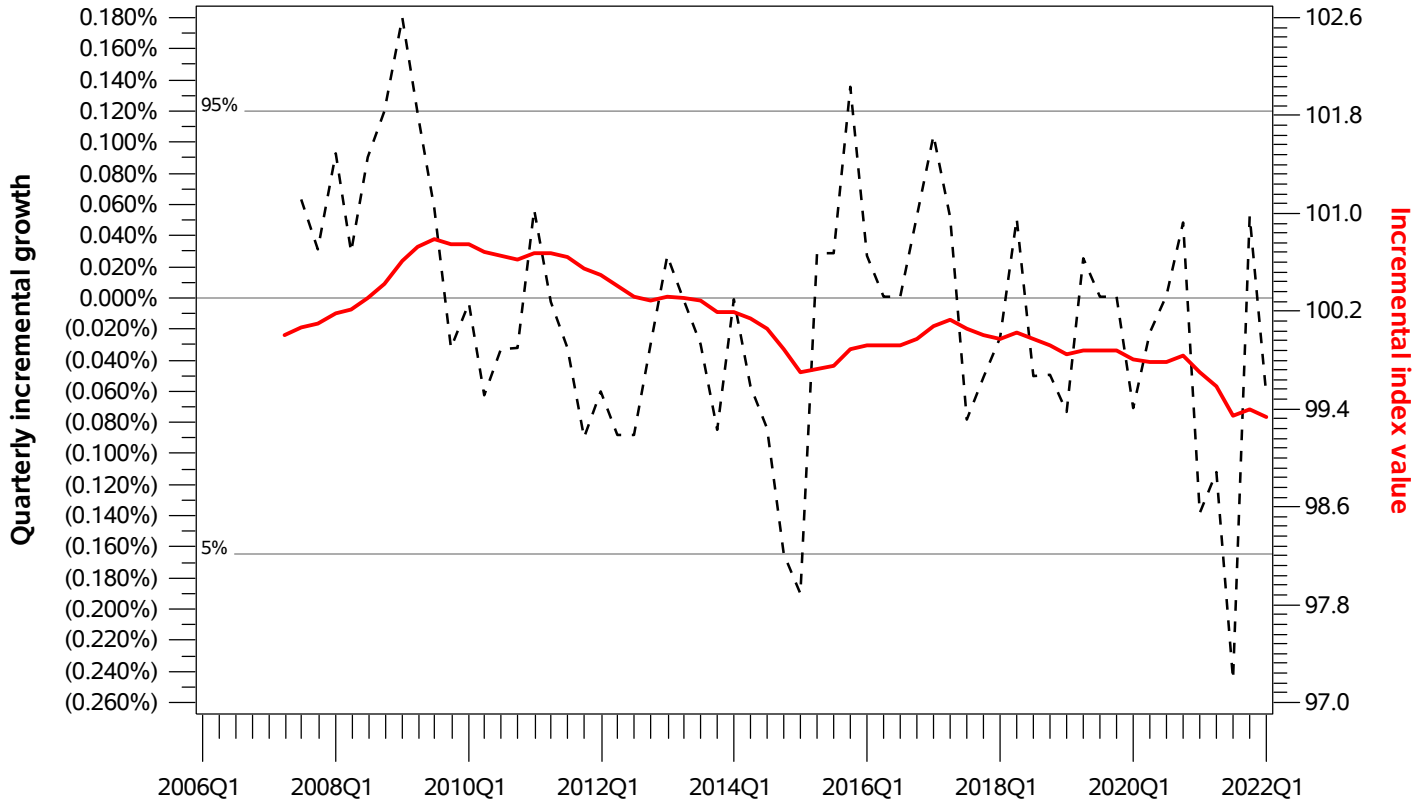


Table 148. ECI: W&S(PRIV) Service-providing; management, professional, and related occupations incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202S000100000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-18.5793	Z_{Tau}	-3.2712
Prob Z_{Rho}	0.0104	Prob Z_{Tau}	0.0206

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0528	AR(1) coefficient	-0.6879
Standard error	0.0346	Standard error	0.0961
t-statistic	-1.5266	t-statistic	-7.1564
Probability t	0.1324	Durbin-Watson	1.9061

Estimated incremental annual growth rate: (0.211%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

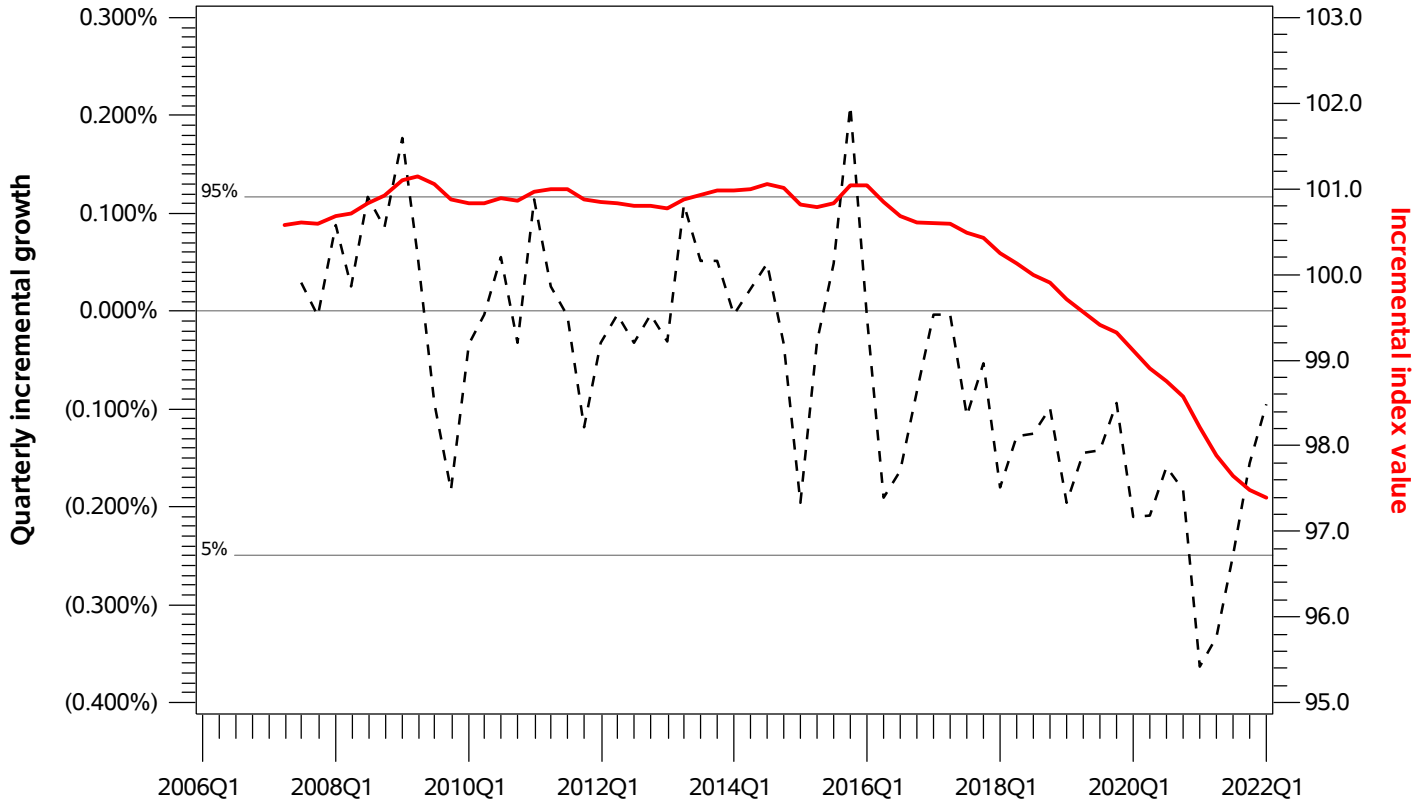


Table 149. ECI: W&S(PRIV) Service-providing, sales and office occupations incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202S000200000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-38.3378	Z_{Tau}	-5.2867
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0222	AR(1) coefficient	-0.3323
Standard error	0.0298	Standard error	0.1249
t-statistic	0.7448	t-statistic	-2.6602
Probability t	0.4594	Durbin-Watson	2.0232

Estimated incremental annual growth rate: 0.089%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

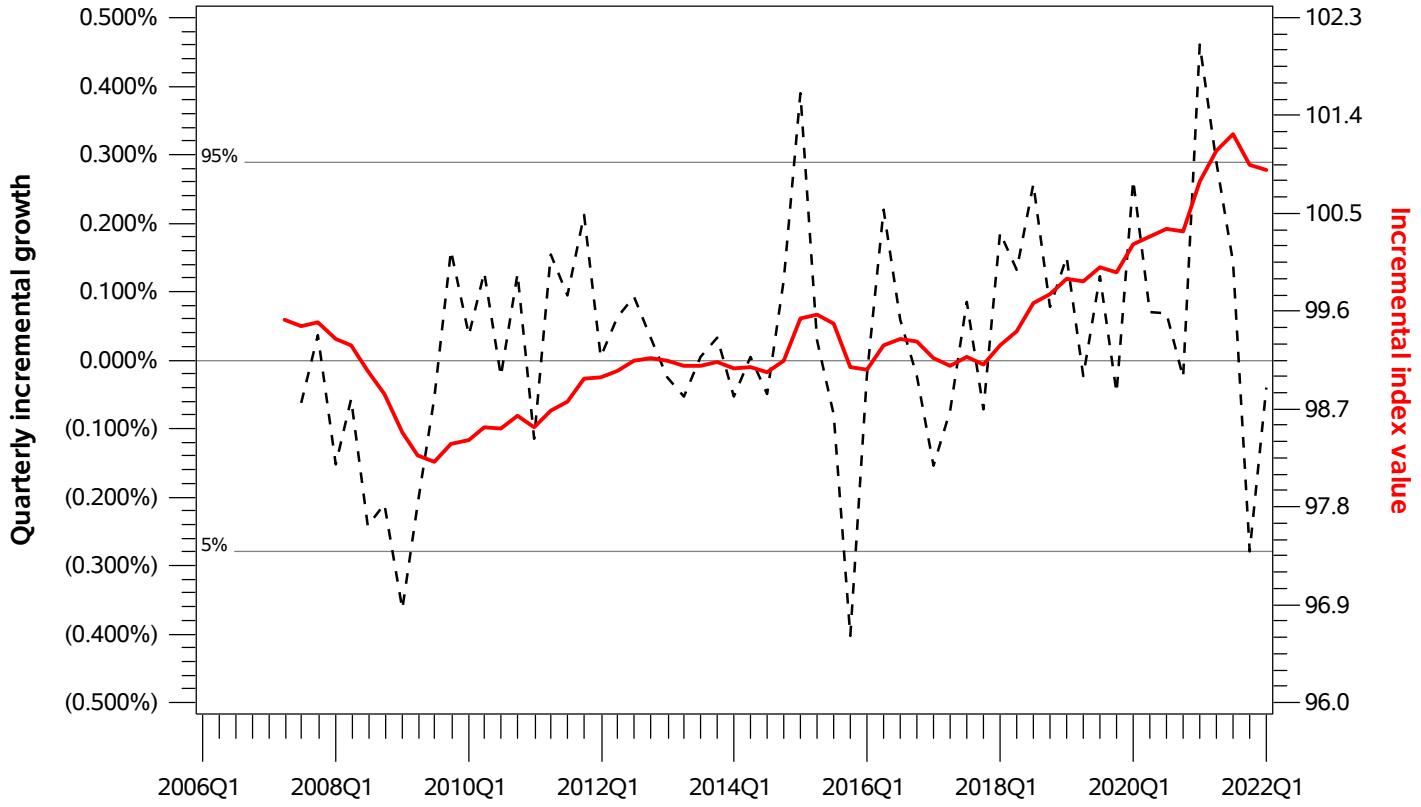


Table 150. ECI: W&S(PRIV) Service-providing, service occupations incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202S000300000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-11.2605	Z_{Tau}	-2.4026
Prob Z_{Rho}	0.0844	Prob Z_{Tau}	0.1452

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1022	AR(1) coefficient	-0.7731
Standard error	0.0747	Standard error	0.0840
t-statistic	1.3687	t-statistic	-9.2028
Probability t	0.1765	Durbin-Watson	2.0072

Estimated incremental annual growth rate: 0.409%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

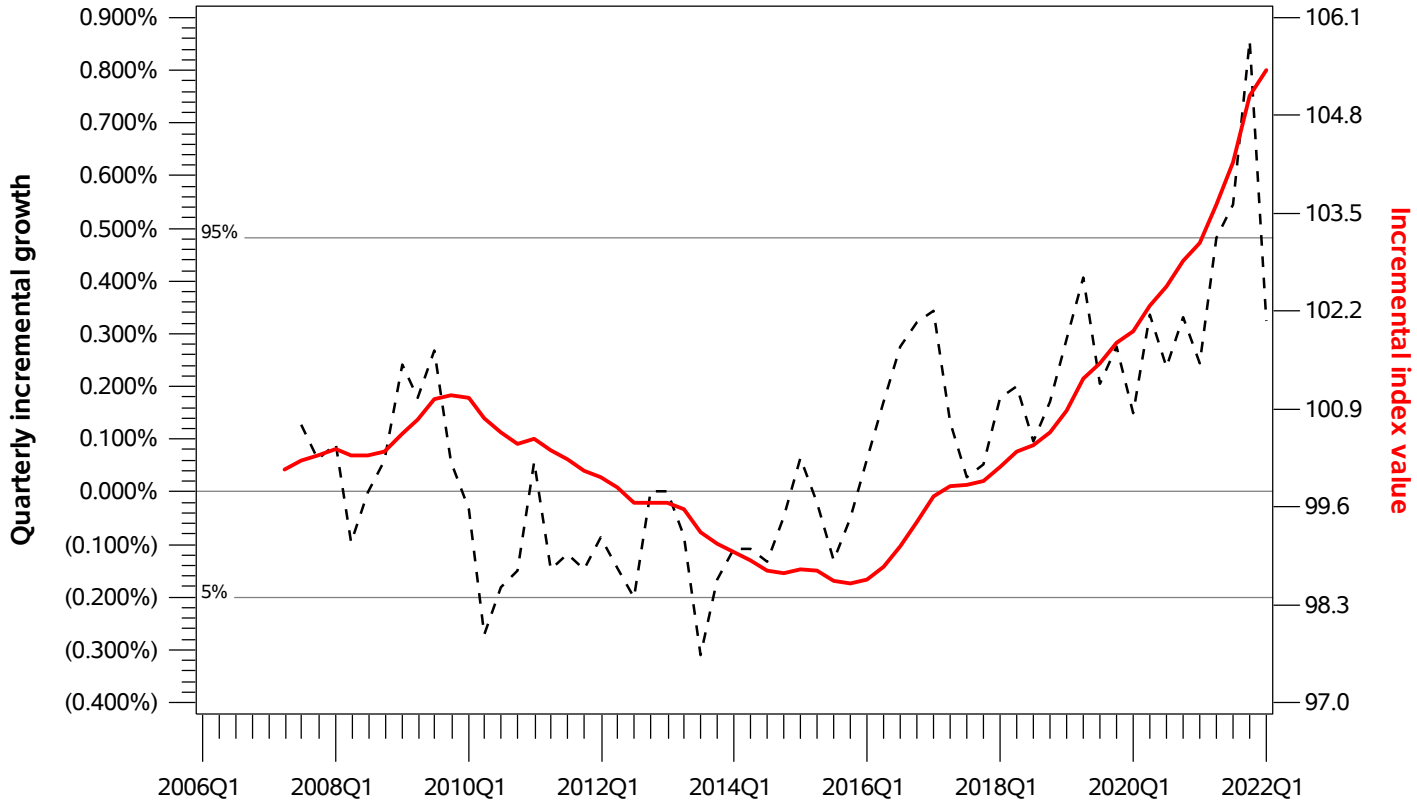


Table 151. ECI: W&S(PRIV) Service-providing; natural resources, construction, and maintenance incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202S000400000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.4383	Z_{Tau}	-4.2017
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0014

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0229	AR(1) coefficient	-0.5129
Standard error	0.0409	Standard error	0.1137
t-statistic	-0.5601	t-statistic	-4.5103
Probability t	0.5776	Durbin-Watson	1.8937

Estimated incremental annual growth rate: (0.092%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

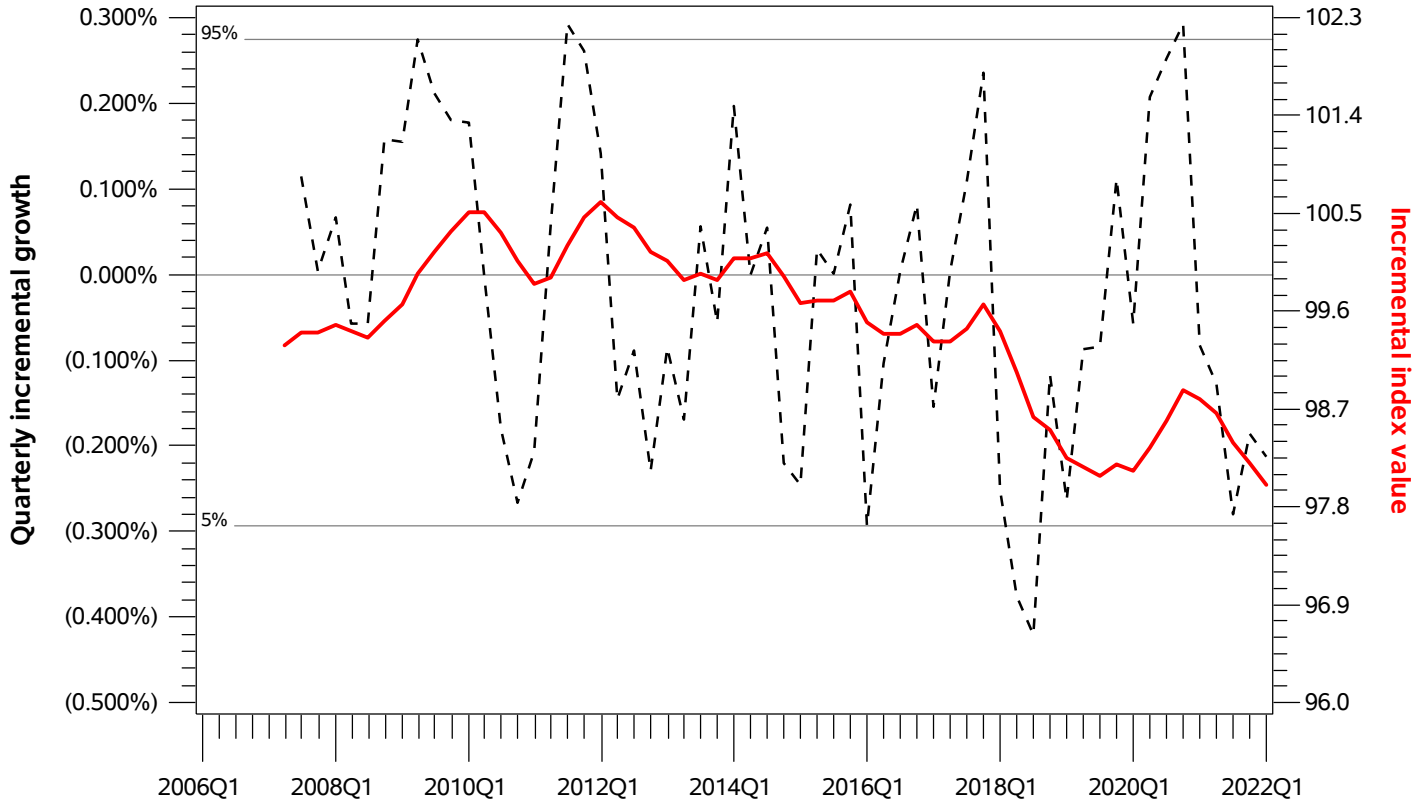


Table 152. ECI: W&S(PRIV) Service-providing; production, transportation, and material moving incremental growth over ECI: W&S(PRIV) Service-providing industries

LABSTAT series identifiers: CIU202S000500000I and CIU202S000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.3906	Z_{Tau}	-4.2366
Prob Z_{Rho}	0.0009	Prob Z_{Tau}	0.0013

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1092	AR(1) coefficient	-0.5033
Standard error	0.0328	Standard error	0.1145
t-statistic	3.3307	t-statistic	-4.3977
Probability t	0.0015	Durbin-Watson	2.1331

Estimated incremental annual growth rate: 0.437%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.437%

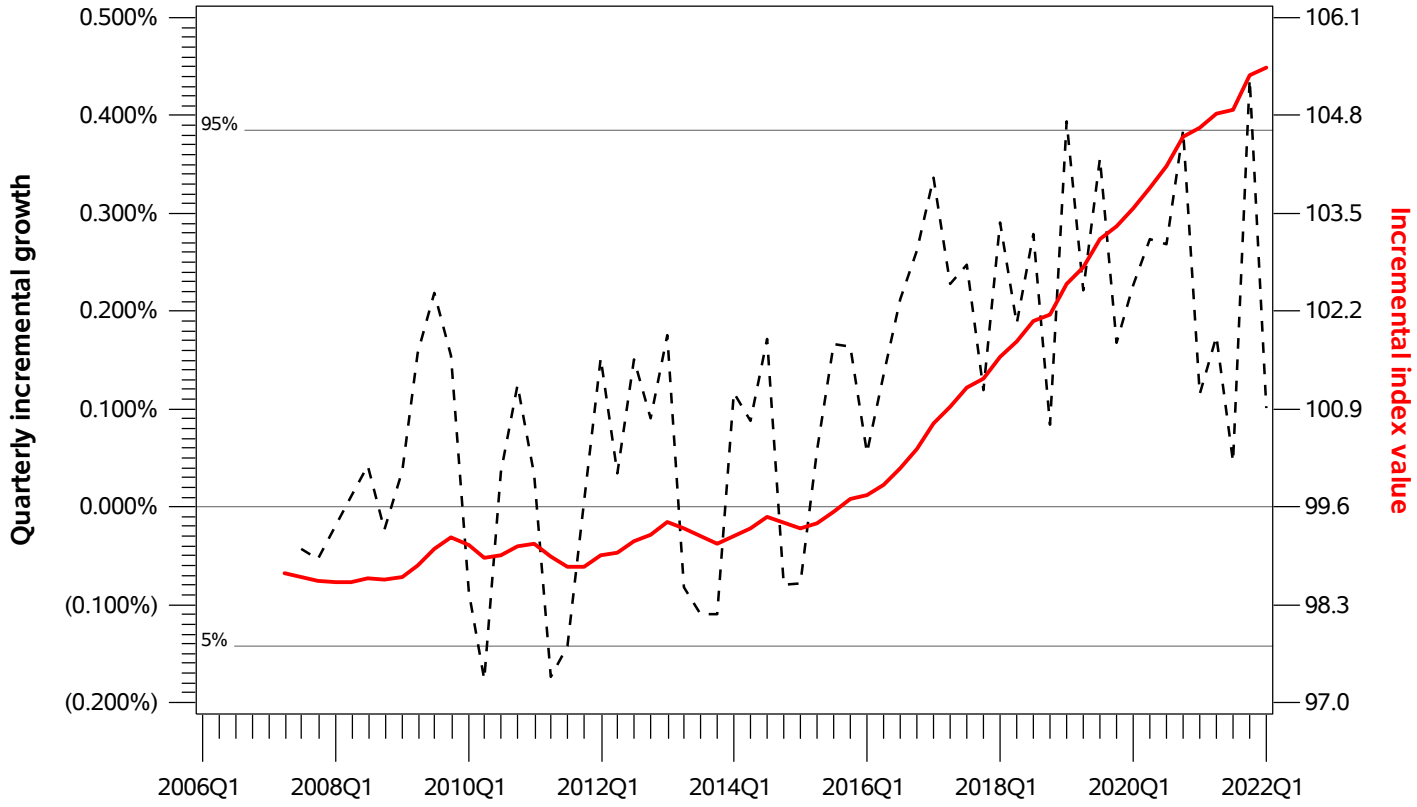


Table 153. ECI: BENE(PRIV) All union workers incremental growth over ECI: BENE(PRIV) All industries and occupations

LABSTAT series identifiers: CIU20300000000510I and CIU20300000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.8205	Z_{Tau}	-3.7581
Prob Z_{Rho}	0.0021	Prob Z_{Tau}	0.0053

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1445	AR(1) coefficient	-0.6240
Standard error	0.0767	Standard error	0.1035
t-statistic	1.8846	t-statistic	-6.0282
Probability t	0.0646	Durbin-Watson	1.7994

Estimated incremental annual growth rate: 0.579%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.579%

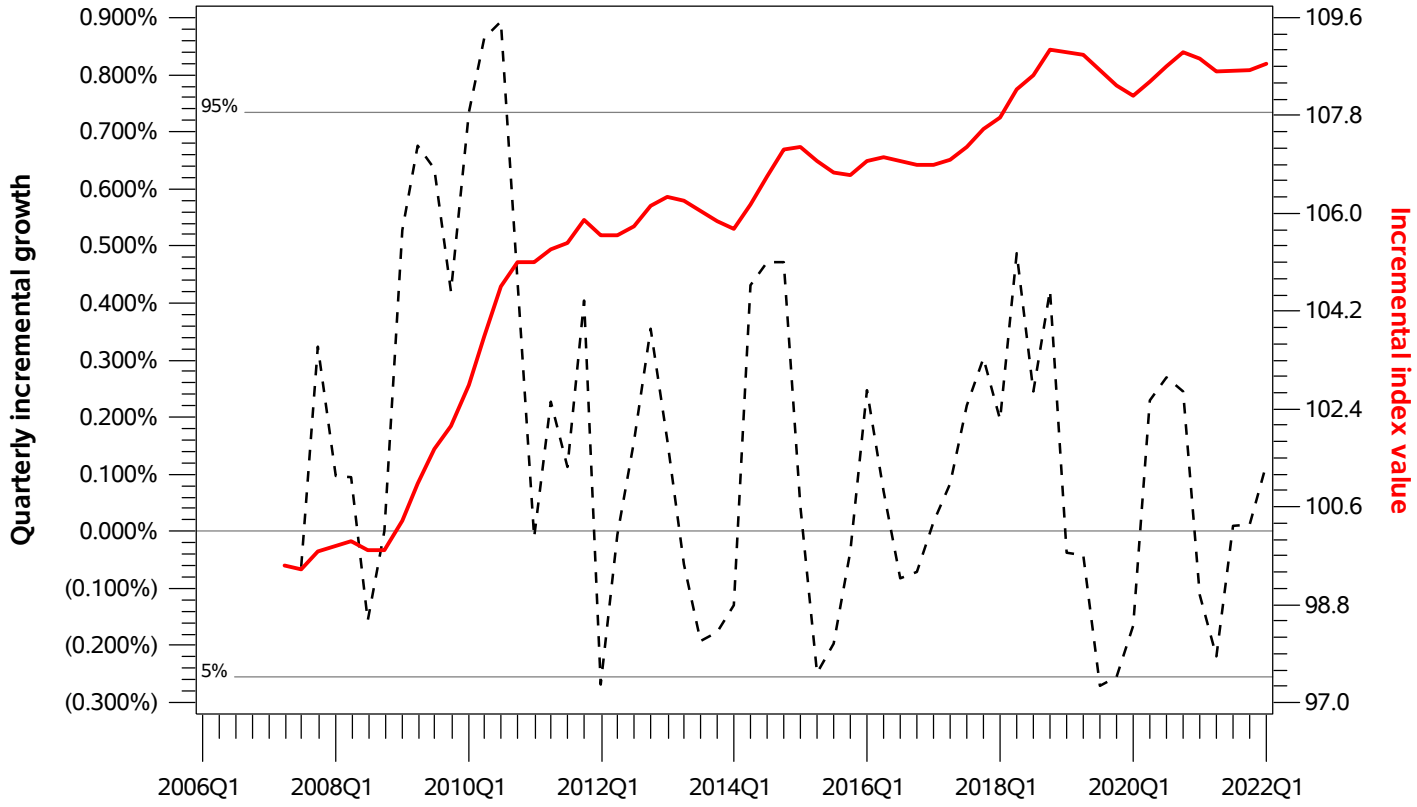


Table 154. ECI: BENE(PRIV) All nonunion workers incremental growth over ECI: BENE(PRIV) All industries and occupations

LABSTAT series identifiers: CIU20300000000520I and CIU20300000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.6160	Z_{Tau}	-3.8051
Prob Z_{Rho}	0.0022	Prob Z_{Tau}	0.0047

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0294	AR(1) coefficient	-0.5871
Standard error	0.0154	Standard error	0.1072
t-statistic	-1.9123	t-statistic	-5.4752
Probability t	0.0609	Durbin-Watson	2.0455

Estimated incremental annual growth rate: (0.117%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.117%)

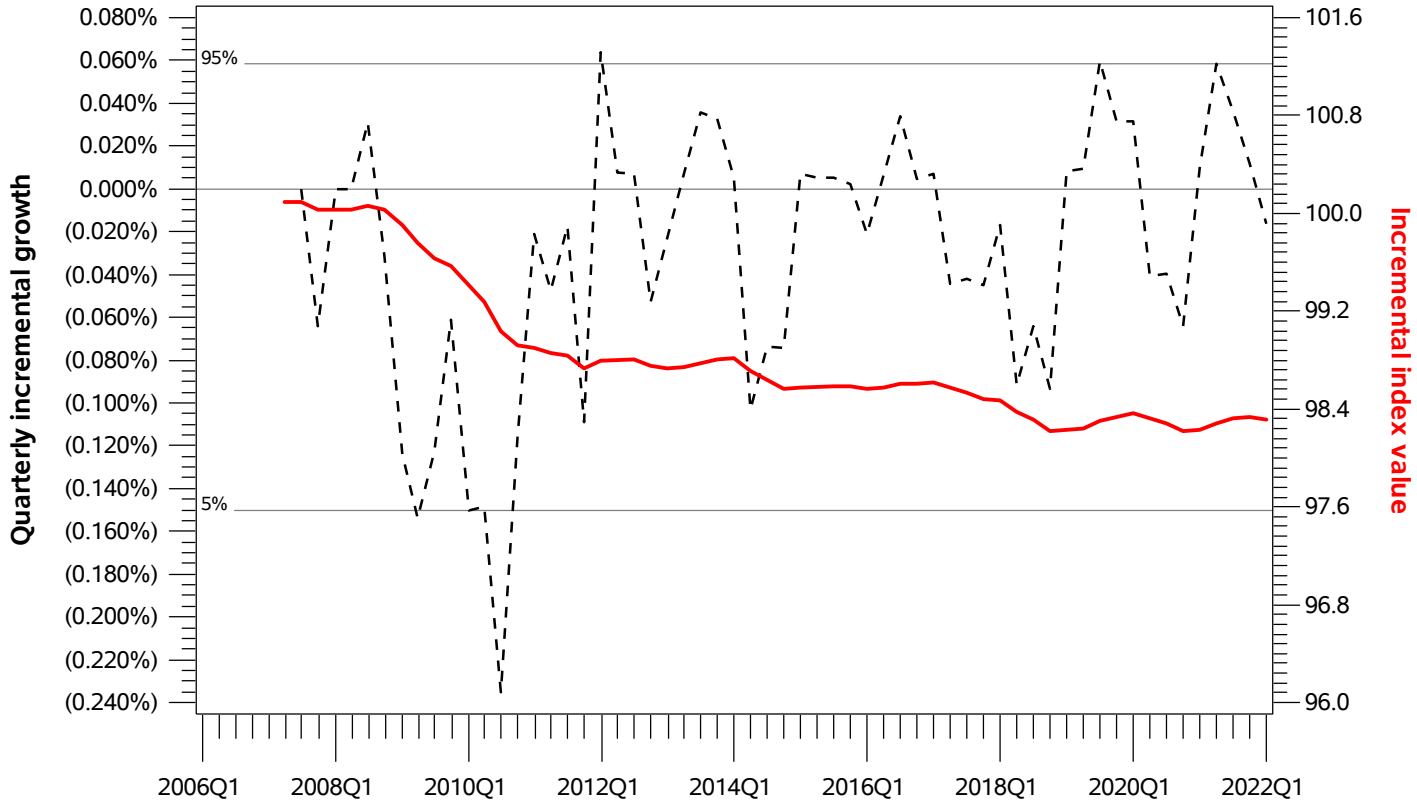


Table 155. ECI: BENE(PRIV) Management, professional, and related incremental growth over ECI: BENE(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2030000100000I and CIU2030000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.6155	Z_{Tau}	-3.6134
Prob Z_{Rho}	0.0030	Prob Z_{Tau}	0.0081

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0309	AR(1) coefficient	-0.6479
Standard error	0.0274	Standard error	0.1009
t-statistic	-1.1280	t-statistic	-6.4215
Probability t	0.2640	Durbin-Watson	1.7462

Estimated incremental annual growth rate: (0.124%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

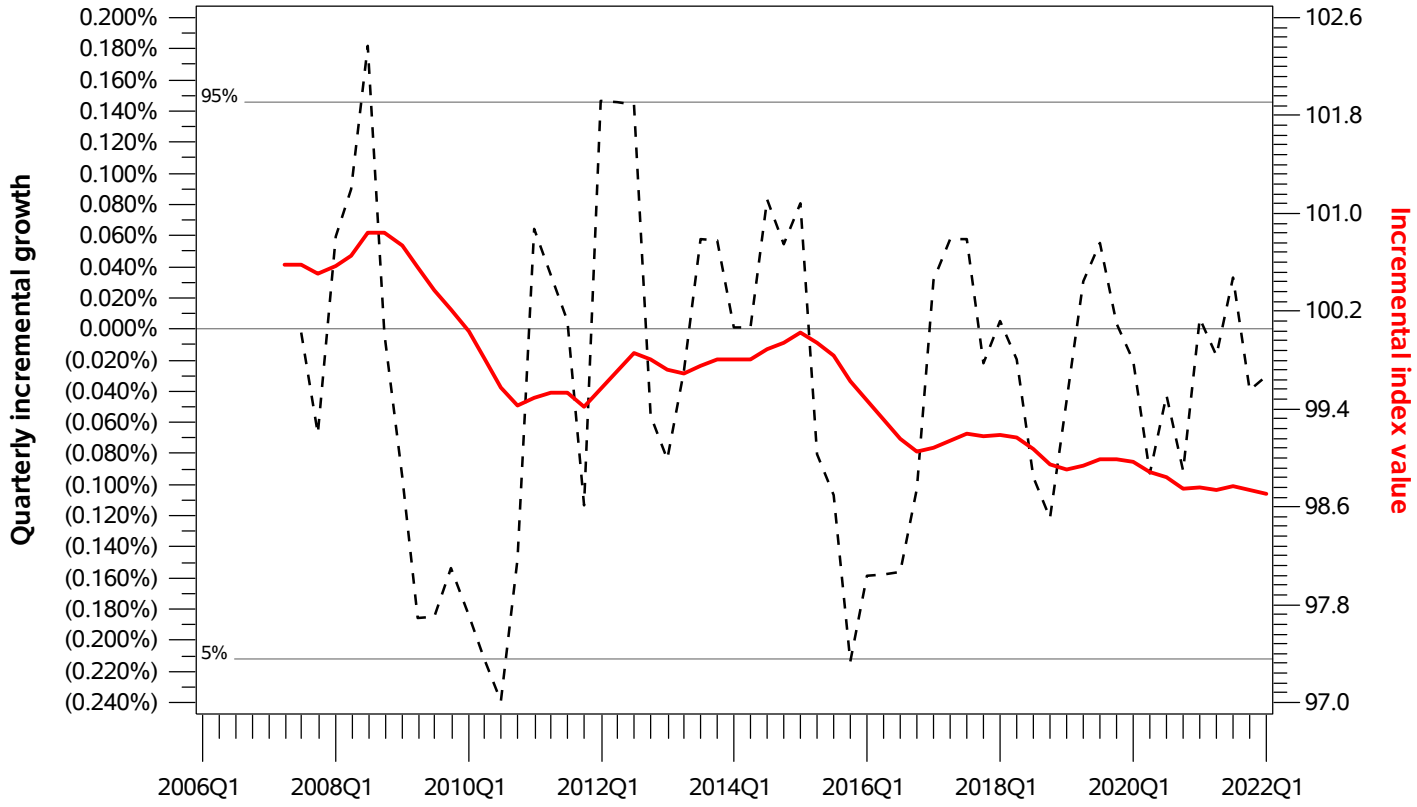


Table 156. ECI: BENE(PRIV) Sales and office incremental growth over ECI: BENE(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2030000200000I and CIU2030000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.3836	Z_{Tau}	-3.6371
Prob Z_{Rho}	0.0024	Prob Z_{Tau}	0.0076

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0138	AR(1) coefficient	-0.6436
Standard error	0.0308	Standard error	0.1014
t-statistic	0.4477	t-statistic	-6.3485
Probability t	0.6560	Durbin-Watson	1.6318

Estimated incremental annual growth rate: 0.055%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

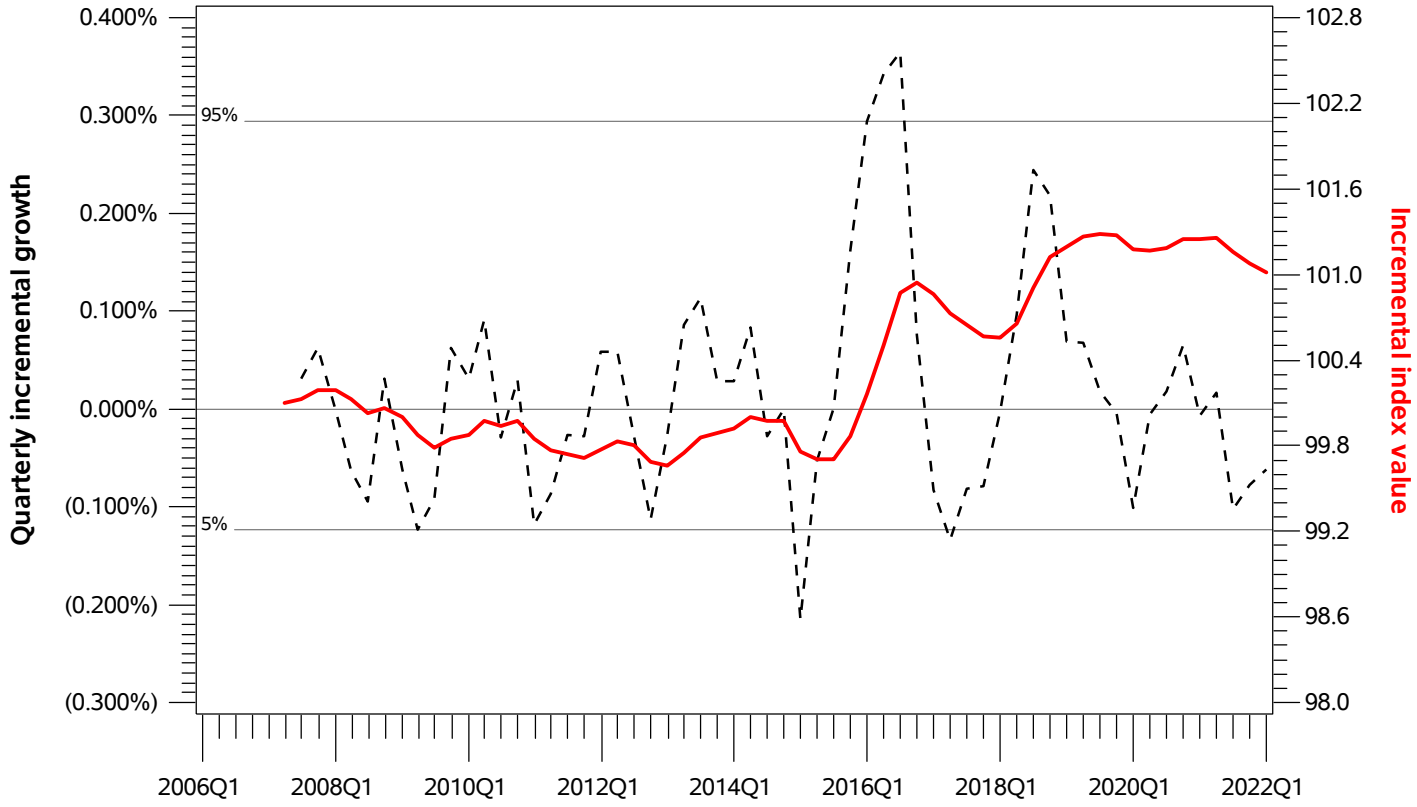


Table 157. ECI: BENE(PRIV) Service occupations incremental growth over ECI: BENE(PRIV) All industries and occupations

LABSTAT series identifiers: CIU20300003000001 and CIU20300000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.1950	Z_{Tau}	-3.5234
Prob Z_{Rho}	0.0034	Prob Z_{Tau}	0.0105

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0012	AR(1) coefficient	-0.6478
Standard error	0.0460	Standard error	0.1009
t-statistic	-0.0253	t-statistic	-6.4192
Probability t	0.9799	Durbin-Watson	1.7048

Estimated incremental annual growth rate: (0.005%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

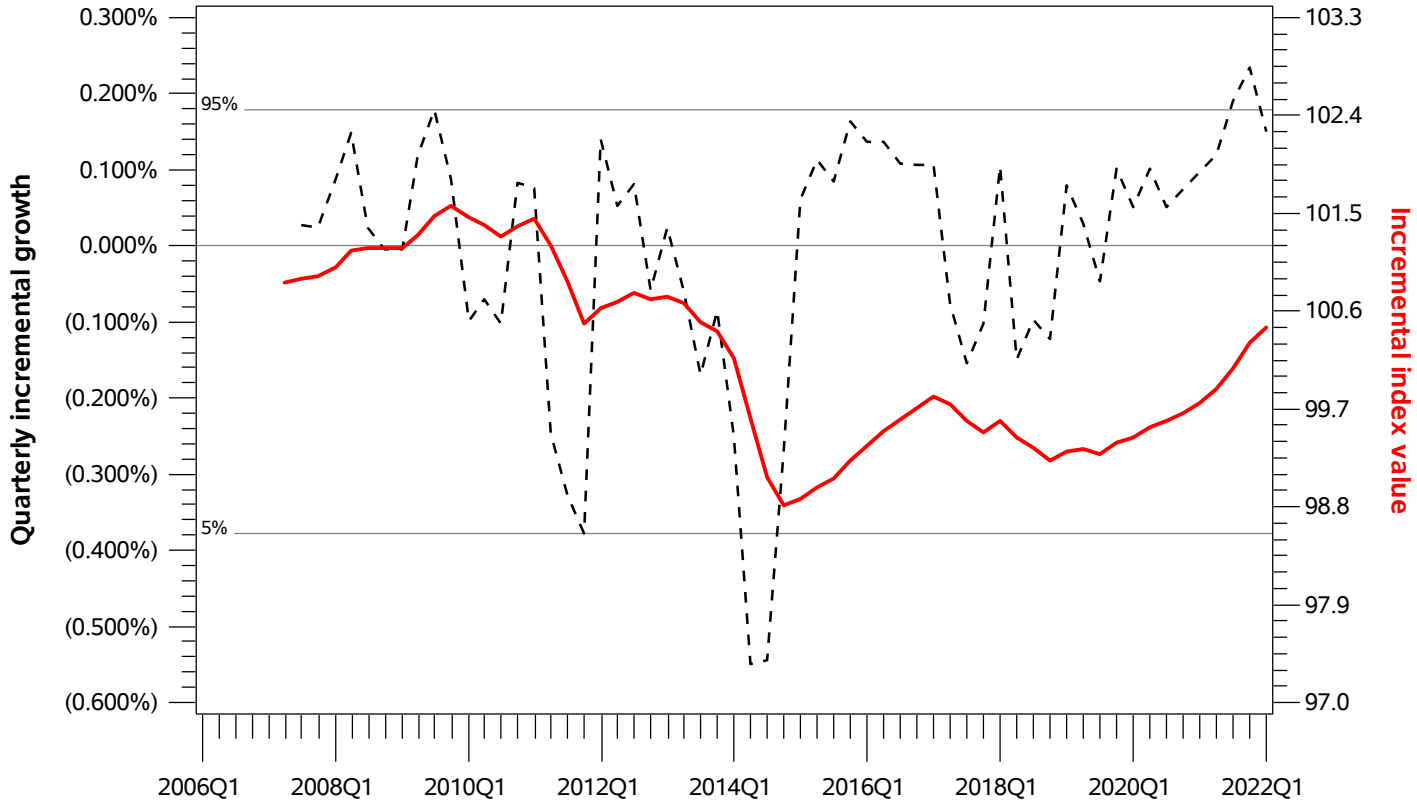


Table 158. ECI: BENE(PRIV) Natural resources, construction, and maintenance incremental growth over ECI: BENE(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2030000400000I and CIU2030000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.5719	Z_{Tau}	-3.9150
Prob Z_{Rho}	0.0012	Prob Z_{Tau}	0.0034

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0207	AR(1) coefficient	-0.5668
Standard error	0.0399	Standard error	0.1091
t-statistic	0.5182	t-statistic	-5.1944
Probability t	0.6063	Durbin-Watson	1.8906

Estimated incremental annual growth rate: 0.083%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

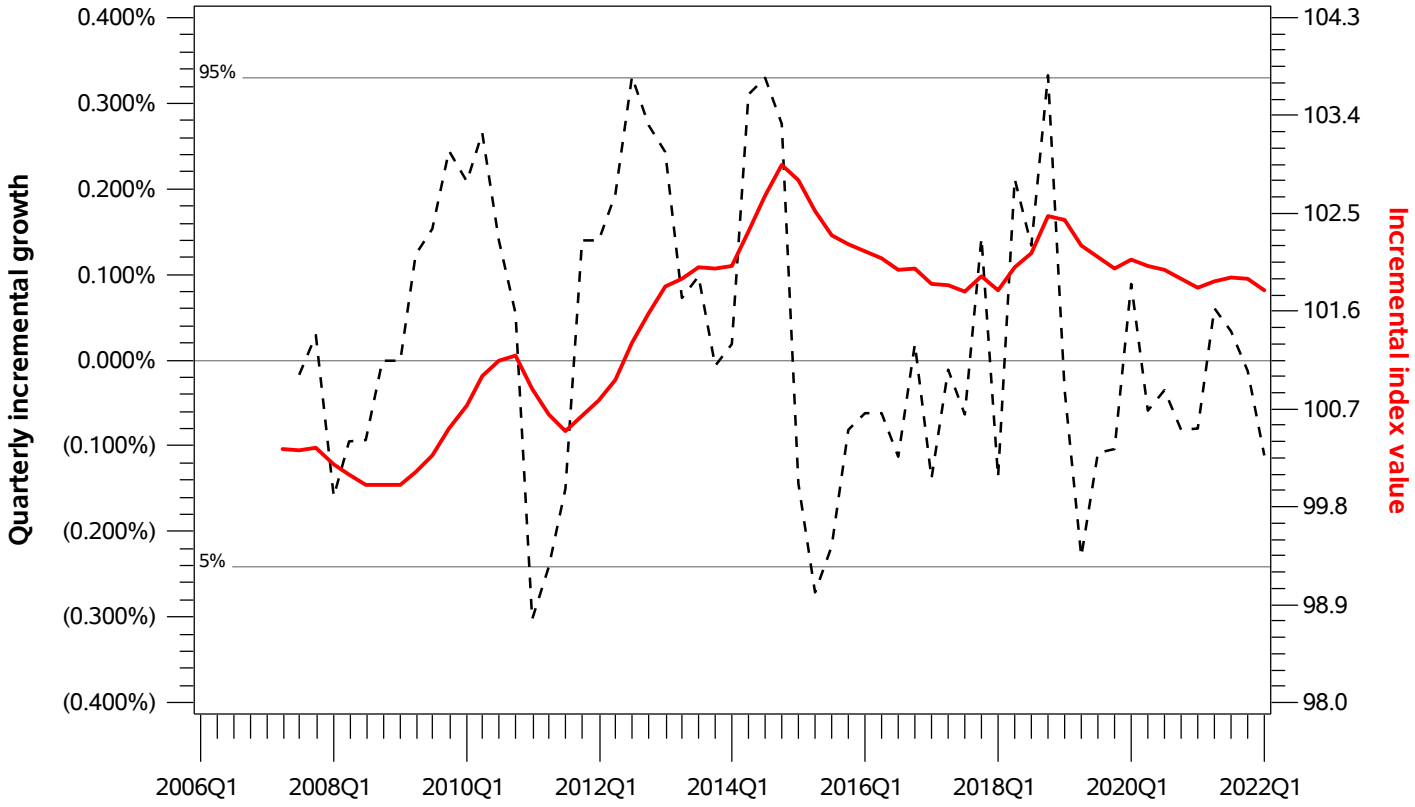


Table 159. ECI: BENE(PRIV) Production, transportation, and material moving incremental growth over ECI: BENE(PRIV) All industries and occupations

LABSTAT series identifiers: CIU2030000500000I and CIU2030000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.5050	Z_{Tau}	-4.0120
Prob Z_{Rho}	0.0009	Prob Z_{Tau}	0.0025

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0491	AR(1) coefficient	-0.5722
Standard error	0.0529	Standard error	0.1086
t-statistic	0.9273	t-statistic	-5.2672
Probability t	0.3577	Durbin-Watson	1.8069

Estimated incremental annual growth rate: 0.196%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

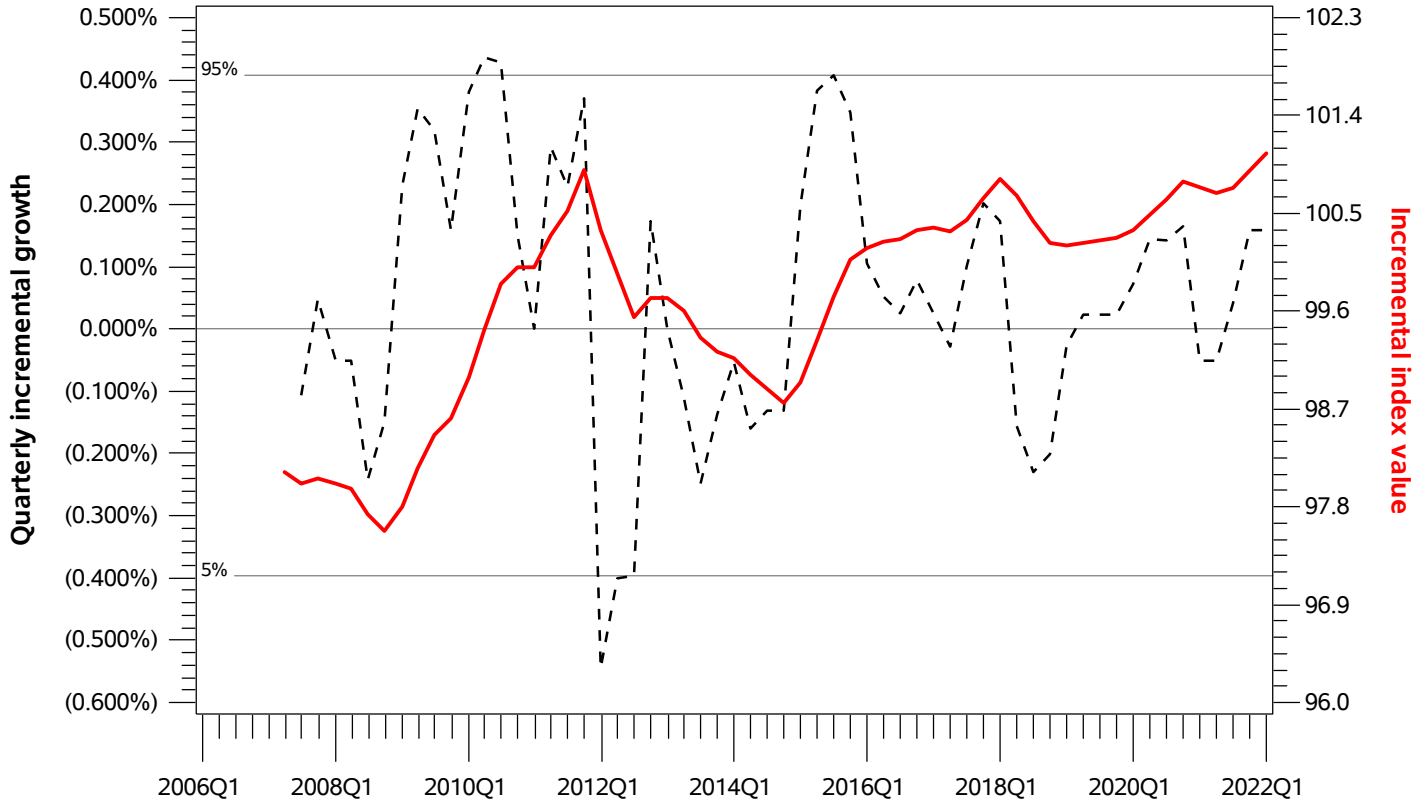


Table 160. ECI: BENE(PRIV) Aircraft manufacturing incremental growth over ECI: BENE(PRIV) Manufacturing

LABSTAT series identifiers: CIU2033211000000I and CIU2033000000000I

Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.8797	Z_{Tau}	-3.4517
Prob Z_{Rho}	0.0028	Prob Z_{Tau}	0.0128

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.4972	AR(1) coefficient	-0.6636
Standard error	0.9788	Standard error	0.0991
t-statistic	0.5080	t-statistic	-6.6973
Probability t	0.6134	Durbin-Watson	1.2737

Estimated incremental annual growth rate: 2.004%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

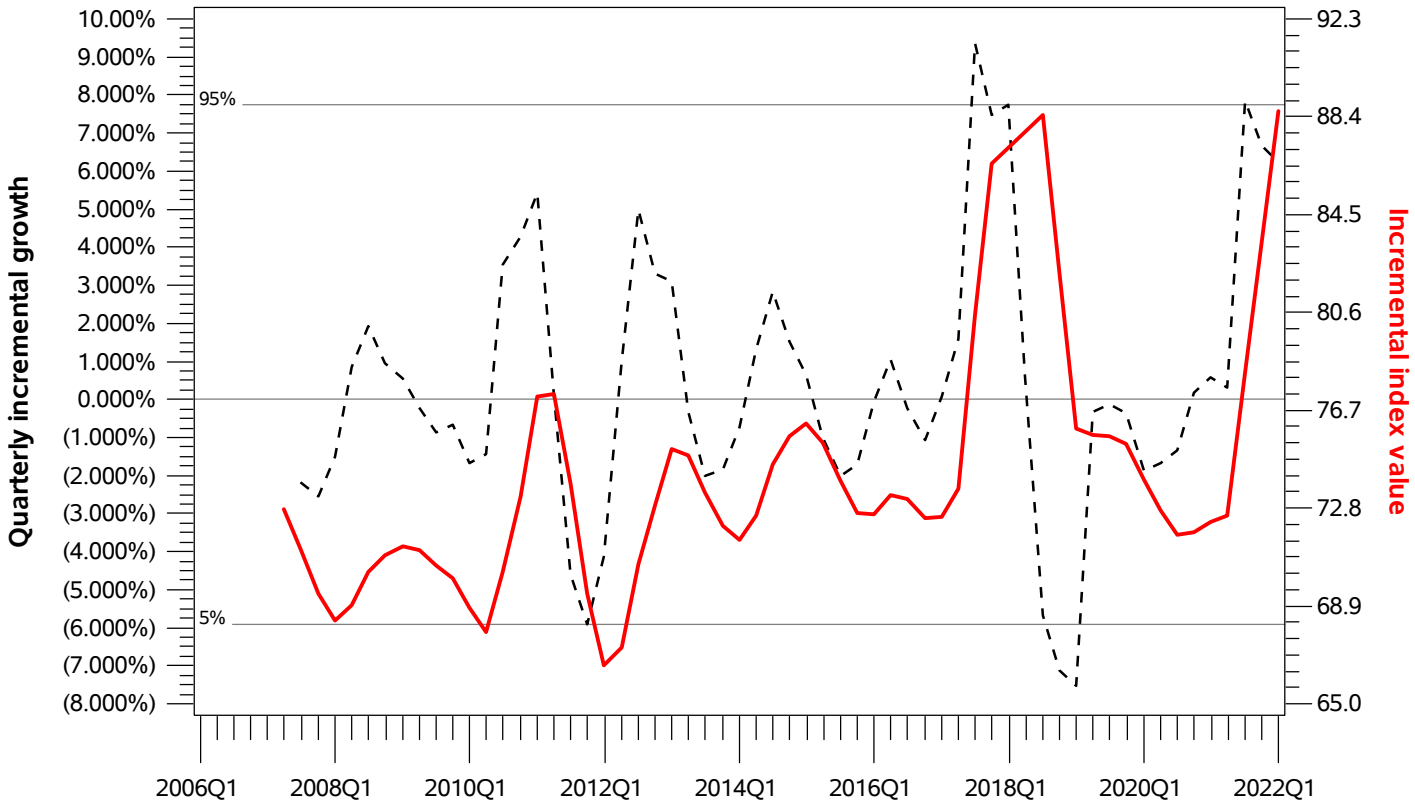


Table 161. ECI: COMP(S&L) Management, professional, and related incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30100001000001 and CIU30100000000001

Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-27.7488	Z_{Tau}	-4.4334
Prob Z_{Rho}	0.0006	Prob Z_{Tau}	0.0007

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0164	AR(1) coefficient	-0.4995
Standard error	0.0075	Standard error	0.1147
t-statistic	-2.1881	t-statistic	-4.3529
Probability t	0.0328	Durbin-Watson	1.9058

Estimated incremental annual growth rate: (0.065%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.065%)

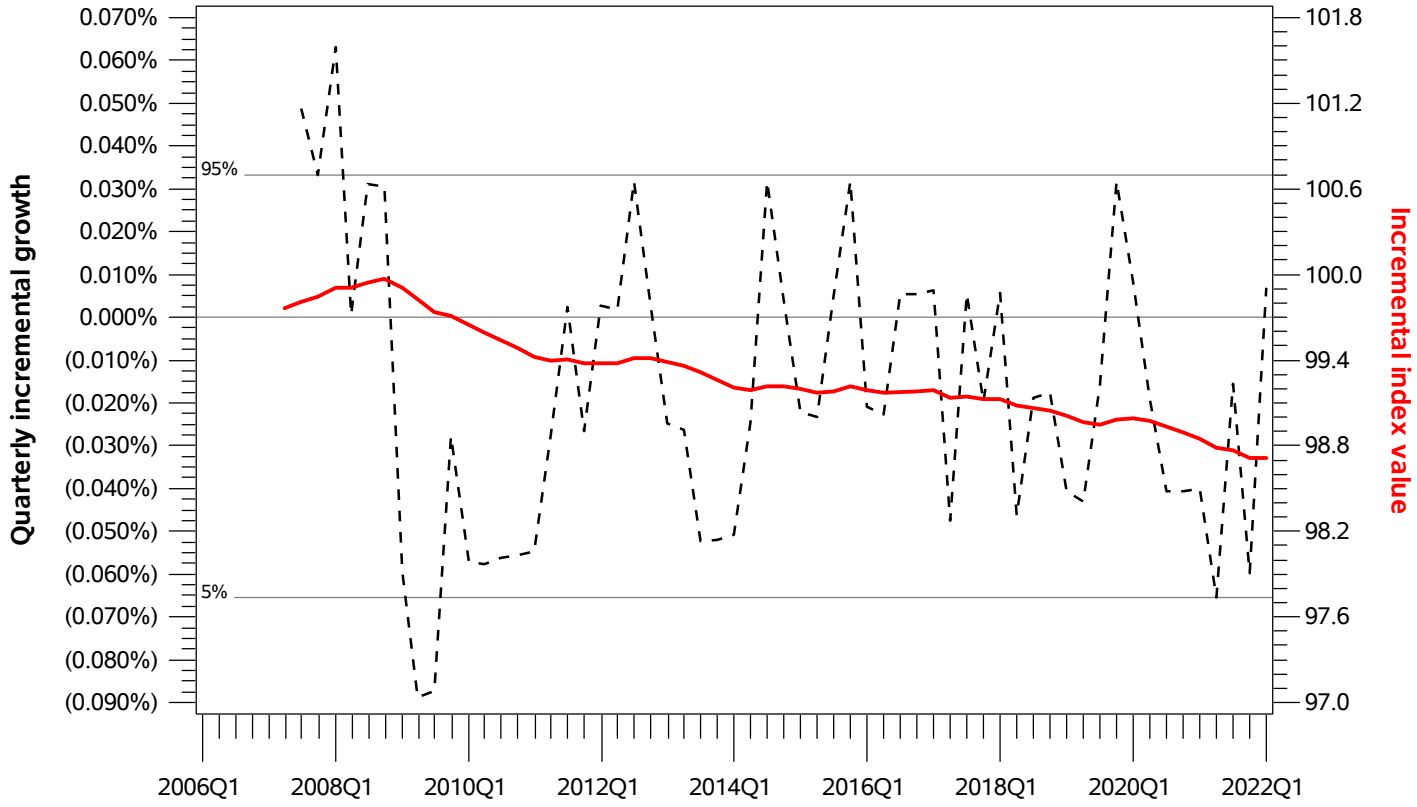


Table 162. ECI: COMP(S&L) Professional and related incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30100001200001 and CIU30100000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-34.2225	Z_{Tau}	-5.3422
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0162	AR(1) coefficient	-0.4124
Standard error	0.0066	Standard error	0.1207
t-statistic	-2.4467	t-statistic	-3.4173
Probability t	0.0175	Durbin-Watson	1.7567

Estimated incremental annual growth rate: (0.065%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.065%)

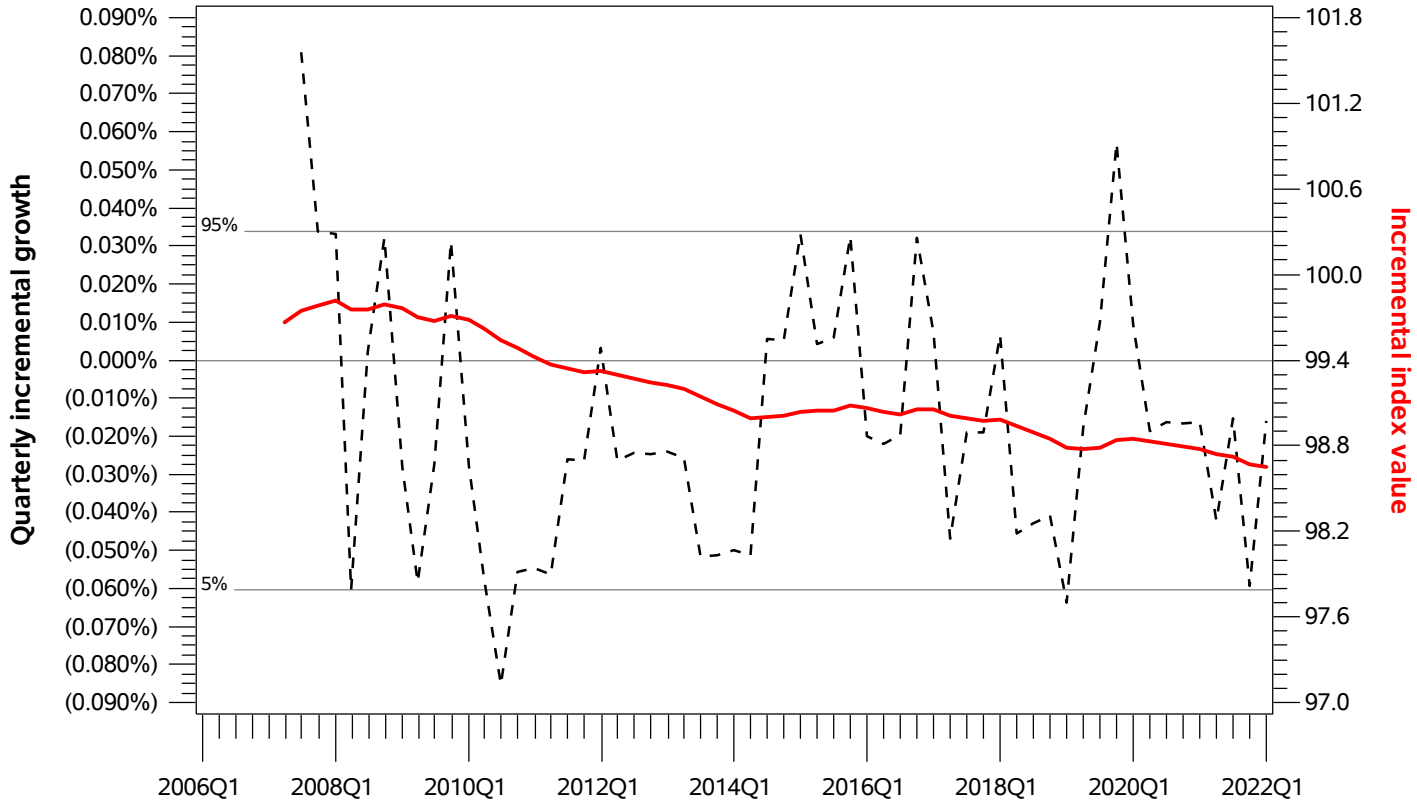


Table 163. ECI: COMP(S&L) Sales and office incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30100002000001 and CIU30100000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-21.4441	Z_{Tau}	-3.5048
Prob Z_{Rho}	0.0043	Prob Z_{Tau}	0.0110

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0195	AR(1) coefficient	-0.6368
Standard error	0.0223	Standard error	0.1021
t-statistic	0.8762	t-statistic	-6.2353
Probability t	0.3846	Durbin-Watson	1.7295

Estimated incremental annual growth rate: 0.078%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

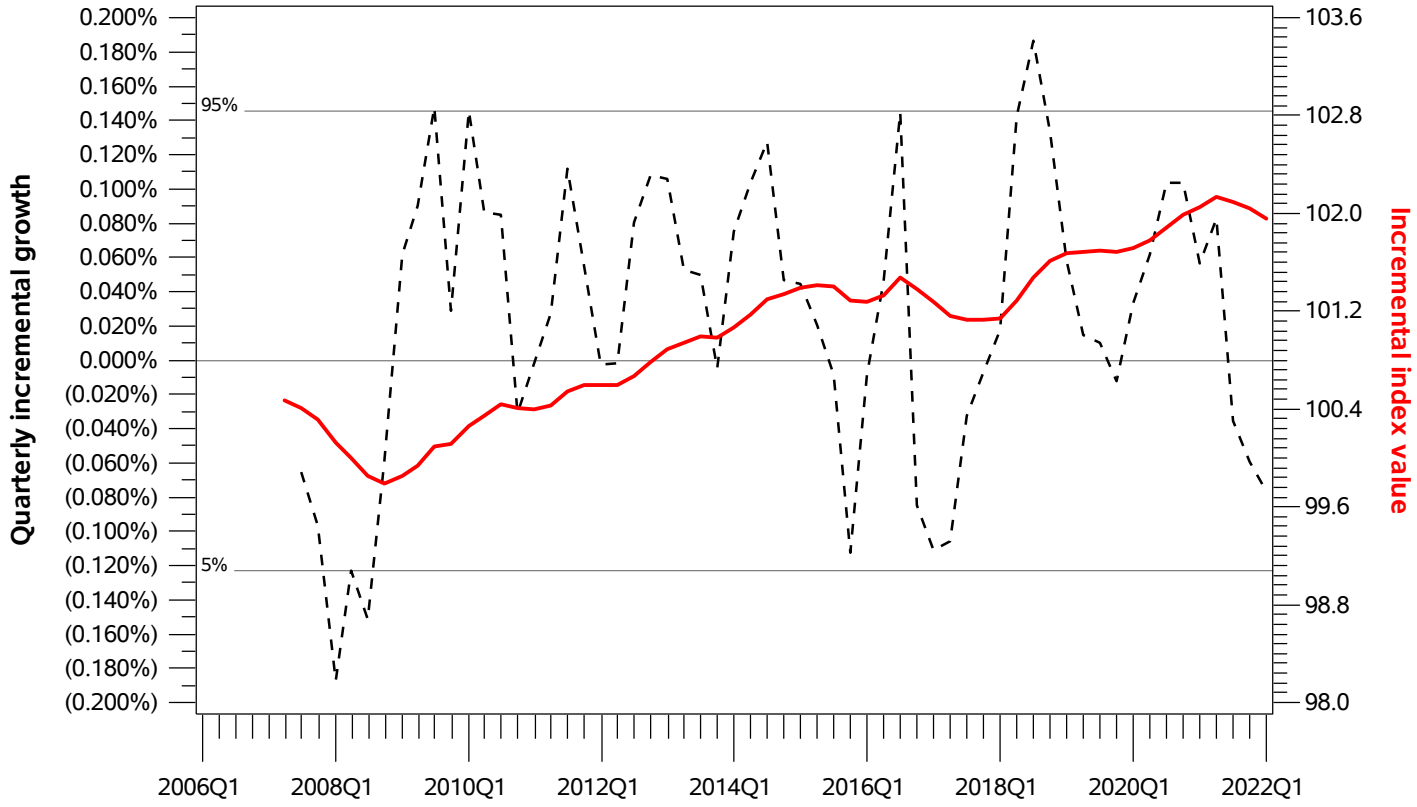


Table 164. ECI: COMP(S&L) Office and administrative support incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30100002200001 and CIU30100000000001

Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-26.1263	Z_{Tau}	-3.8769
Prob Z_{Rho}	0.0010	Prob Z_{Tau}	0.0038

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0199	AR(1) coefficient	-0.5609
Standard error	0.0185	Standard error	0.1097
t-statistic	1.0734	t-statistic	-5.1145
Probability t	0.2876	Durbin-Watson	1.7510

Estimated incremental annual growth rate: 0.079%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

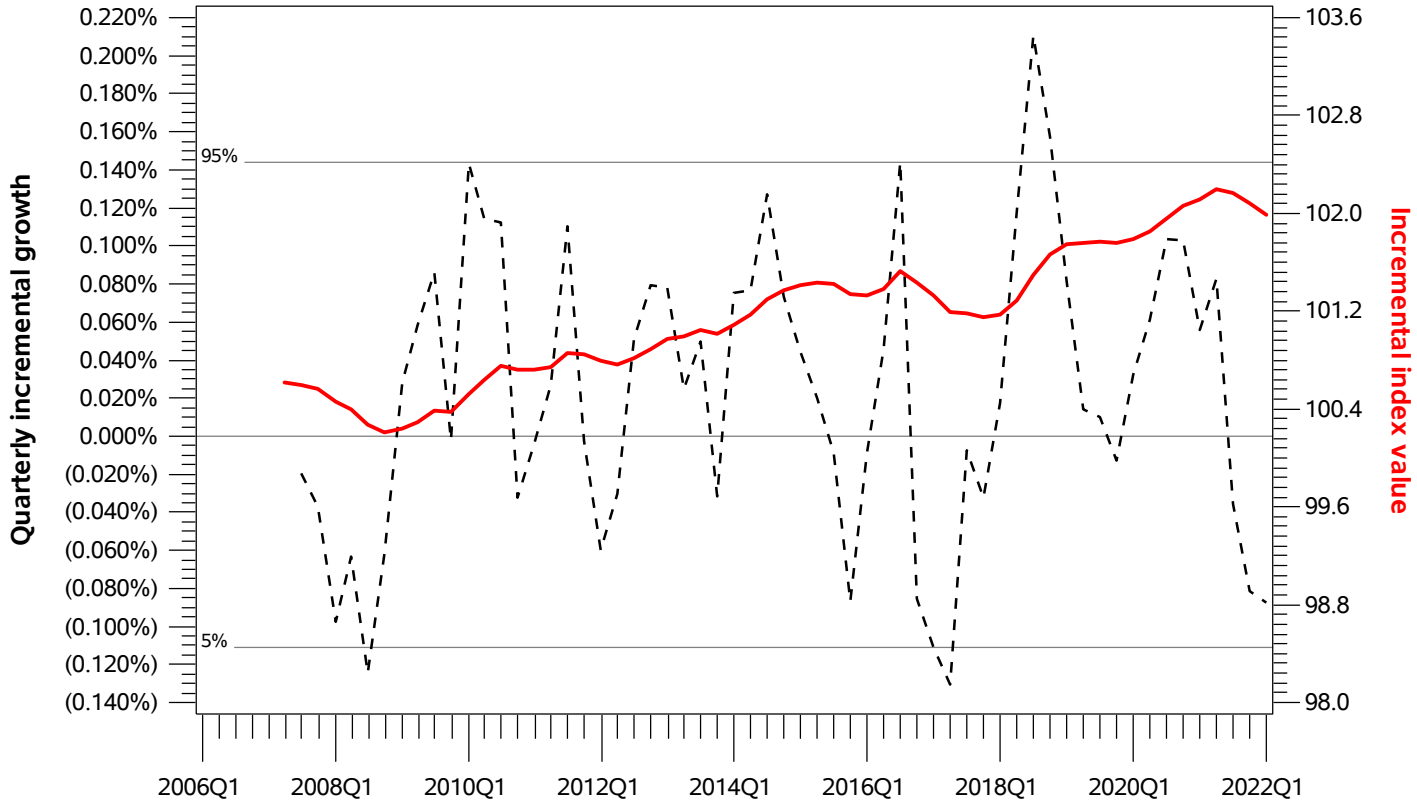


Table 165. ECI: COMP(S&L) Service occupations incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30100003000001 and CIU30100000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-31.2504	Z_{Tau}	-4.4533
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0007

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0522	AR(1) coefficient	-0.4921
Standard error	0.0149	Standard error	0.1153
t-statistic	3.5088	t-statistic	-4.2672
Probability t	0.0009	Durbin-Watson	1.8249

Estimated incremental annual growth rate: 0.209%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.209%

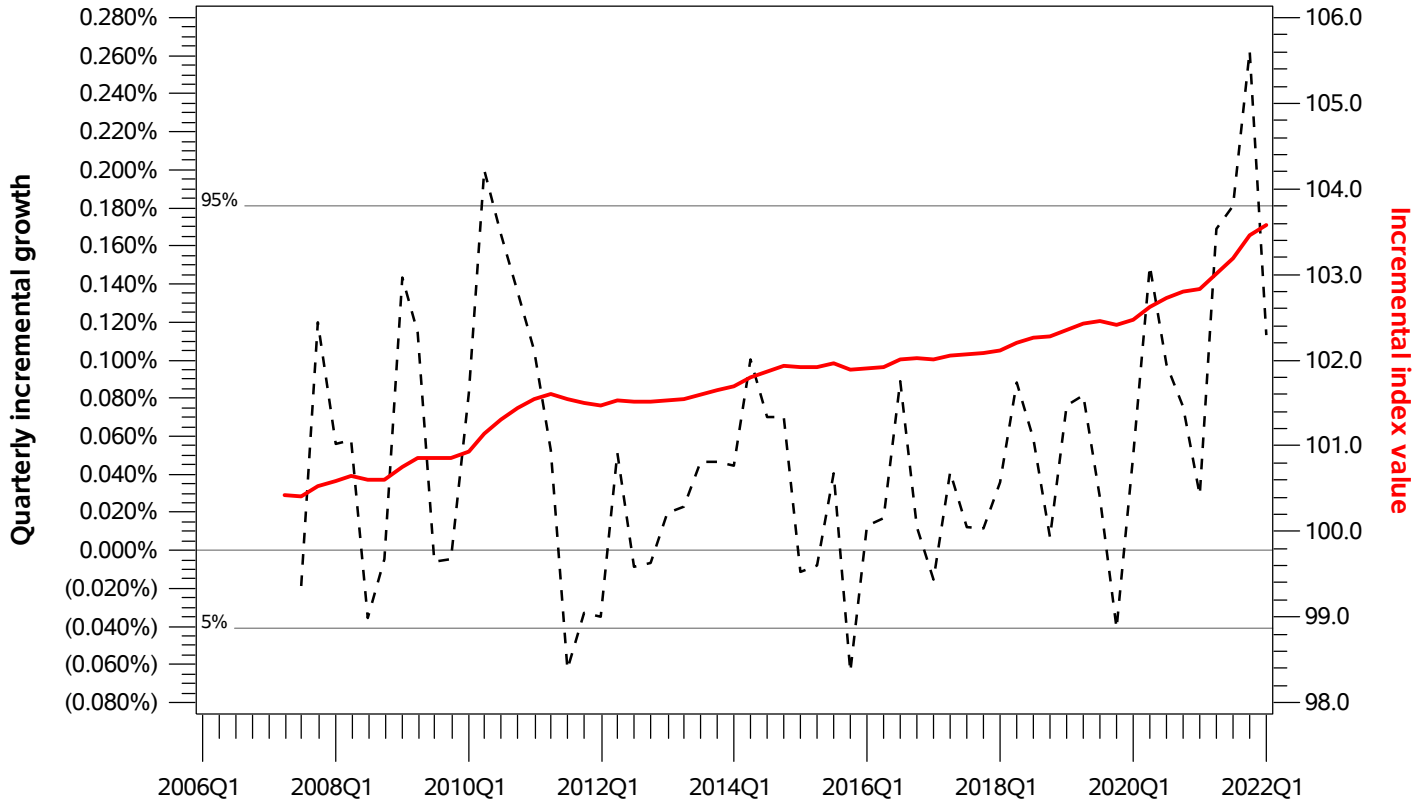


Table 166. ECI: COMP(S&L) Education and health services incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30160000000000I and CIU30100000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-42.1879	Z_{Tau}	-5.6560
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0105	AR(1) coefficient	-0.2944
Standard error	0.0078	Standard error	0.1266
t-statistic	-1.3484	t-statistic	-2.3258
Probability t	0.1829	Durbin-Watson	1.7054

Estimated incremental annual growth rate: (0.042%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

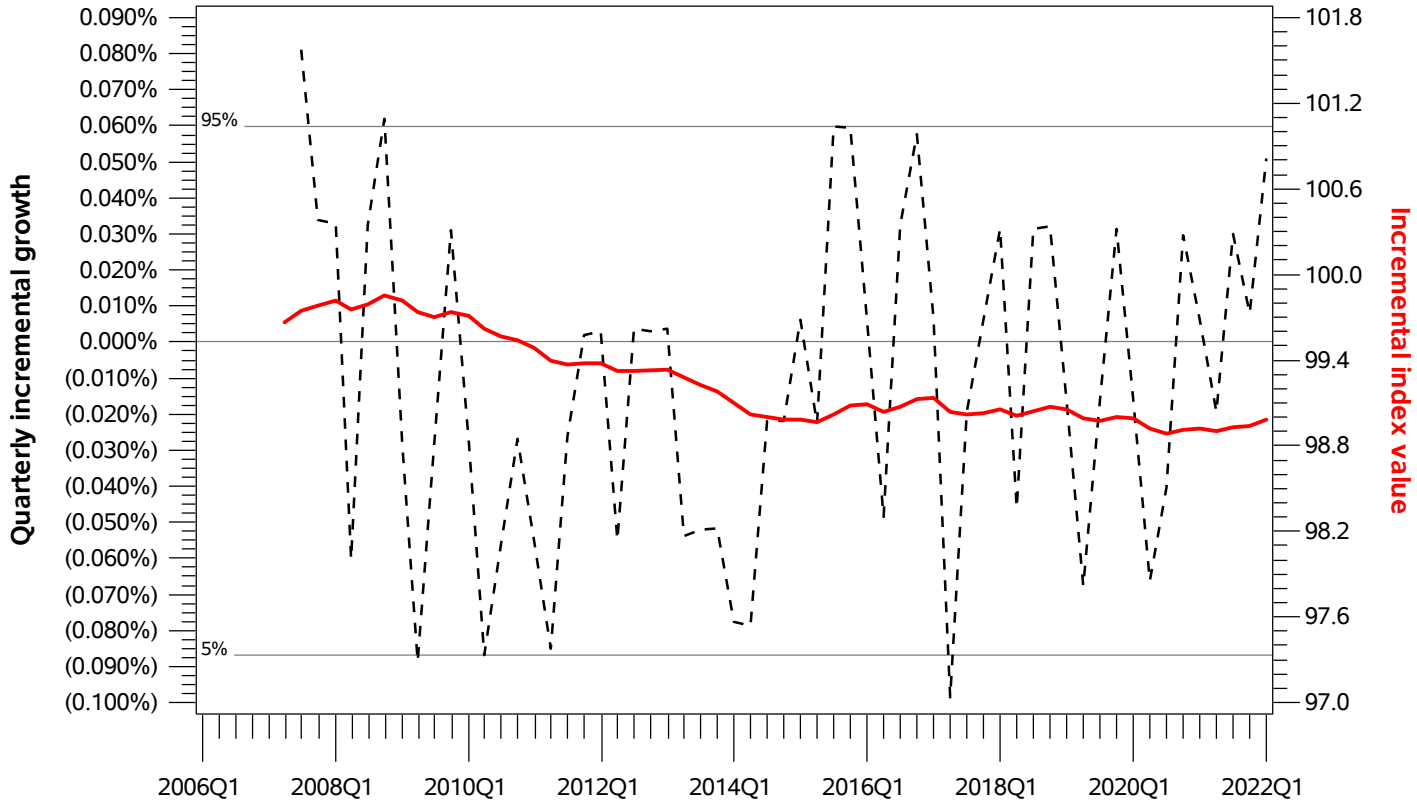


Table 167. ECI: COMP(S&L) Education services incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30161000000000I and CIU30100000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-45.2108	Z_{Tau}	-6.3256
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0136	AR(1) coefficient	-0.2214
Standard error	0.0092	Standard error	0.1292
t-statistic	-1.4756	t-statistic	-1.7142
Probability t	0.1456	Durbin-Watson	1.8201

Estimated incremental annual growth rate: (0.054%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

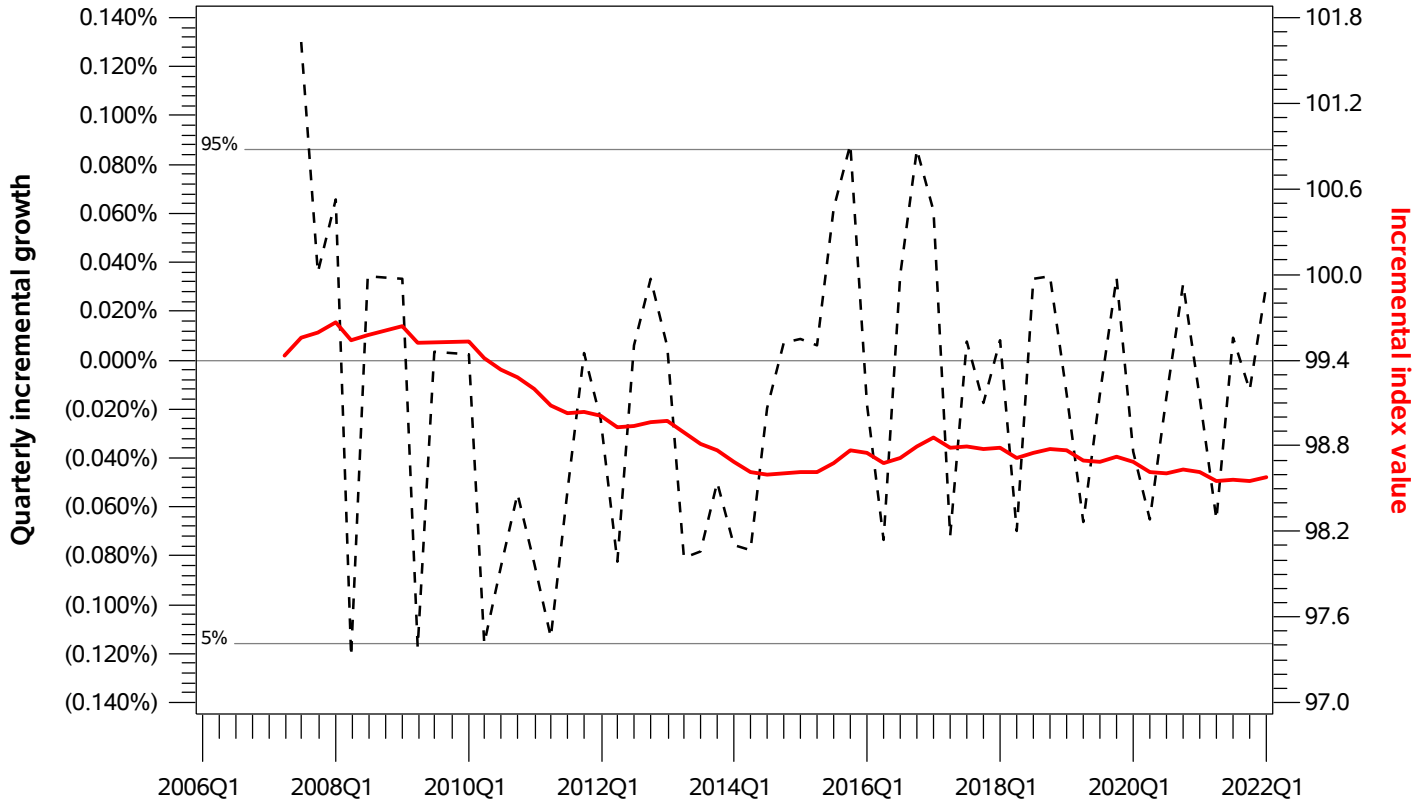


Table 168. ECI: COMP(S&L) Schools incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30161050000000I and CIU30100000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-46.8382	Z_{Tau}	-6.6642
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0135	AR(1) coefficient	-0.1795
Standard error	0.0089	Standard error	0.1303
t-statistic	-1.5072	t-statistic	-1.3777
Probability t	0.1373	Durbin-Watson	1.8373

Estimated incremental annual growth rate: (0.054%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

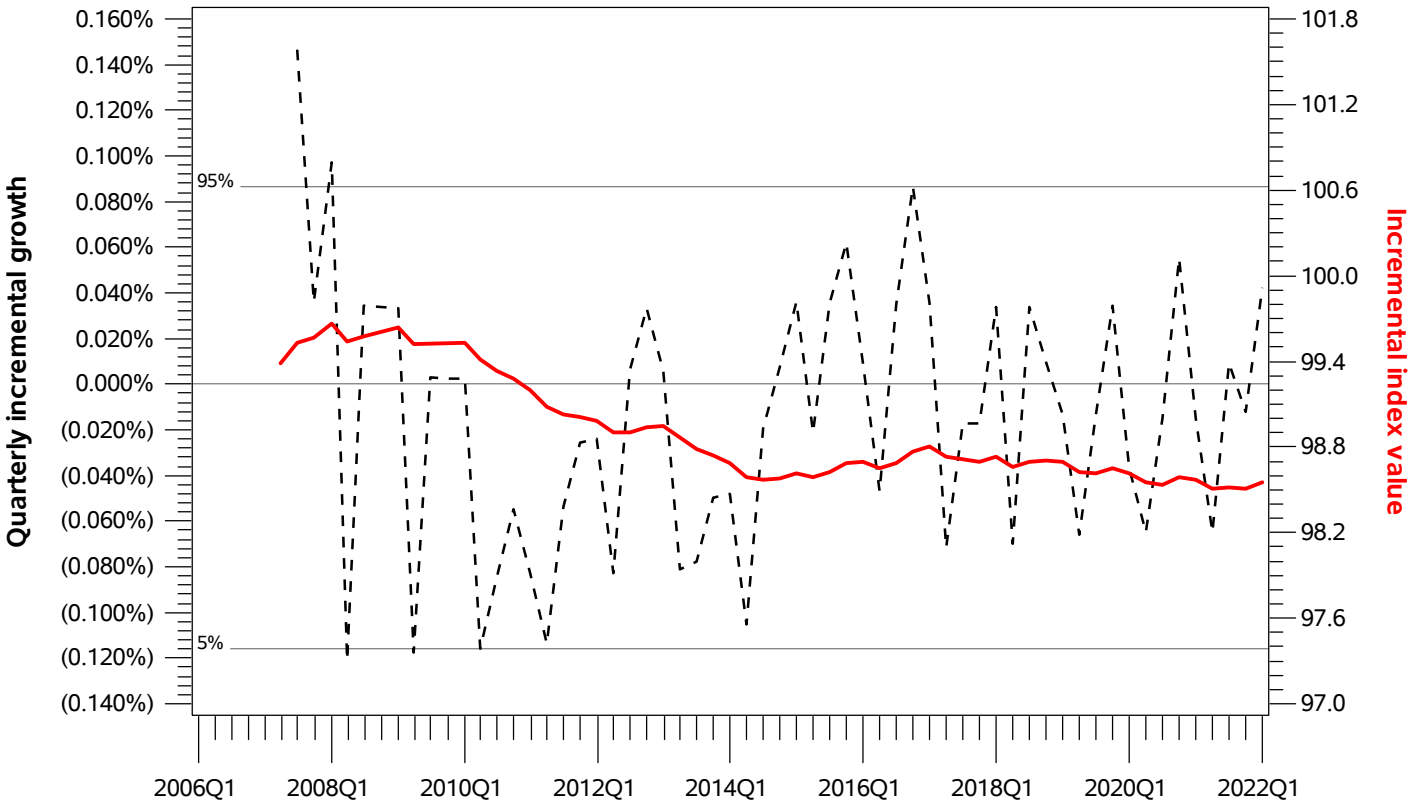


Table 169. ECI: COMP(S&L) Elementary and secondary schools incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU3016110000000I and CIU3010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-40.5030	Z_{Tau}	-5.5436
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0083	AR(1) coefficient	-0.3164
Standard error	0.0138	Standard error	0.1256
t-statistic	-0.5985	t-statistic	-2.5182
Probability t	0.5519	Durbin-Watson	1.8895

Estimated incremental annual growth rate: (0.033%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

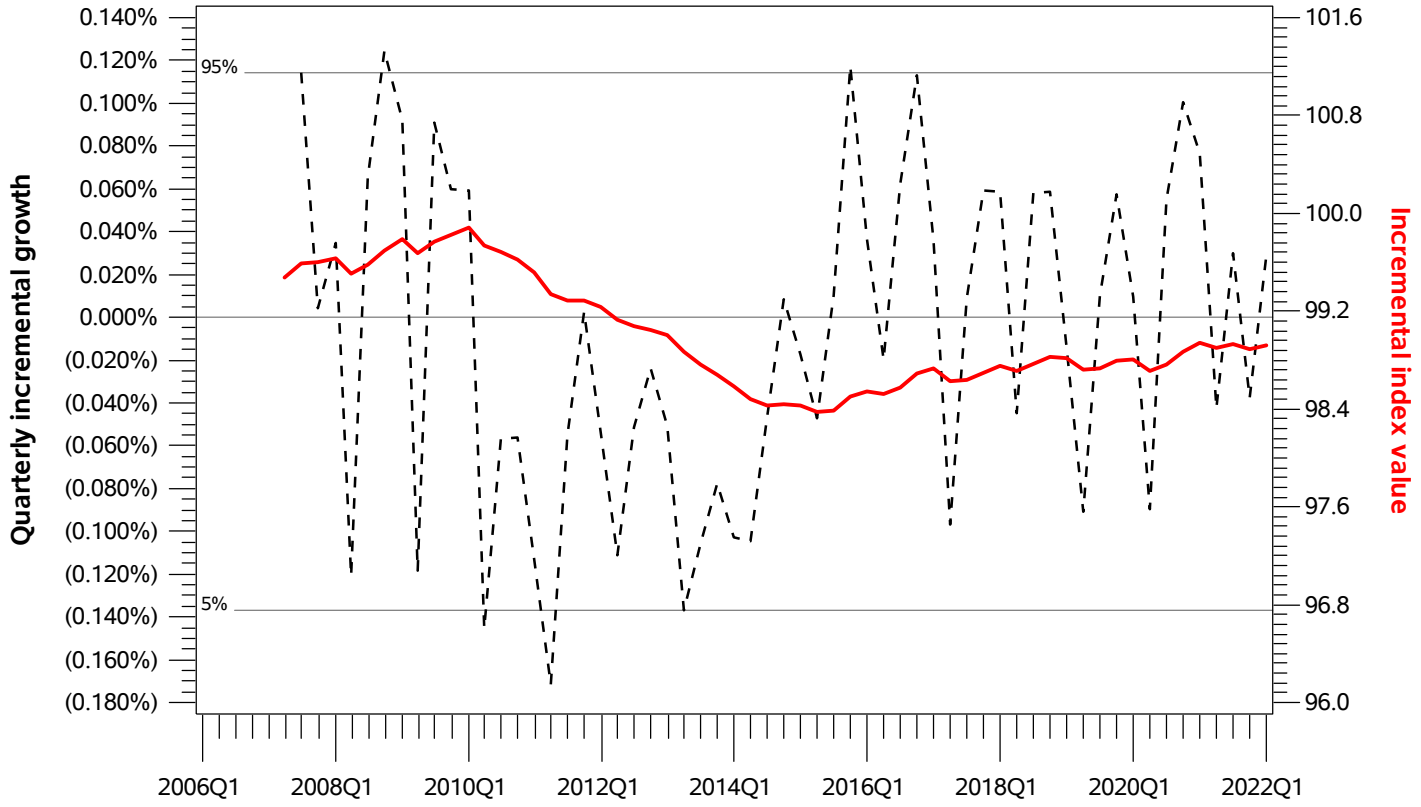


Table 170. ECI: COMP(S&L) Health care and social assistance incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30162000000000I and CIU30100000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-32.5168	Z_{Tau}	-4.9068
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0004	AR(1) coefficient	-0.4362
Standard error	0.0302	Standard error	0.1192
t-statistic	0.0149	t-statistic	-3.6601
Probability t	0.9882	Durbin-Watson	1.7666

Estimated incremental annual growth rate: 0.002%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

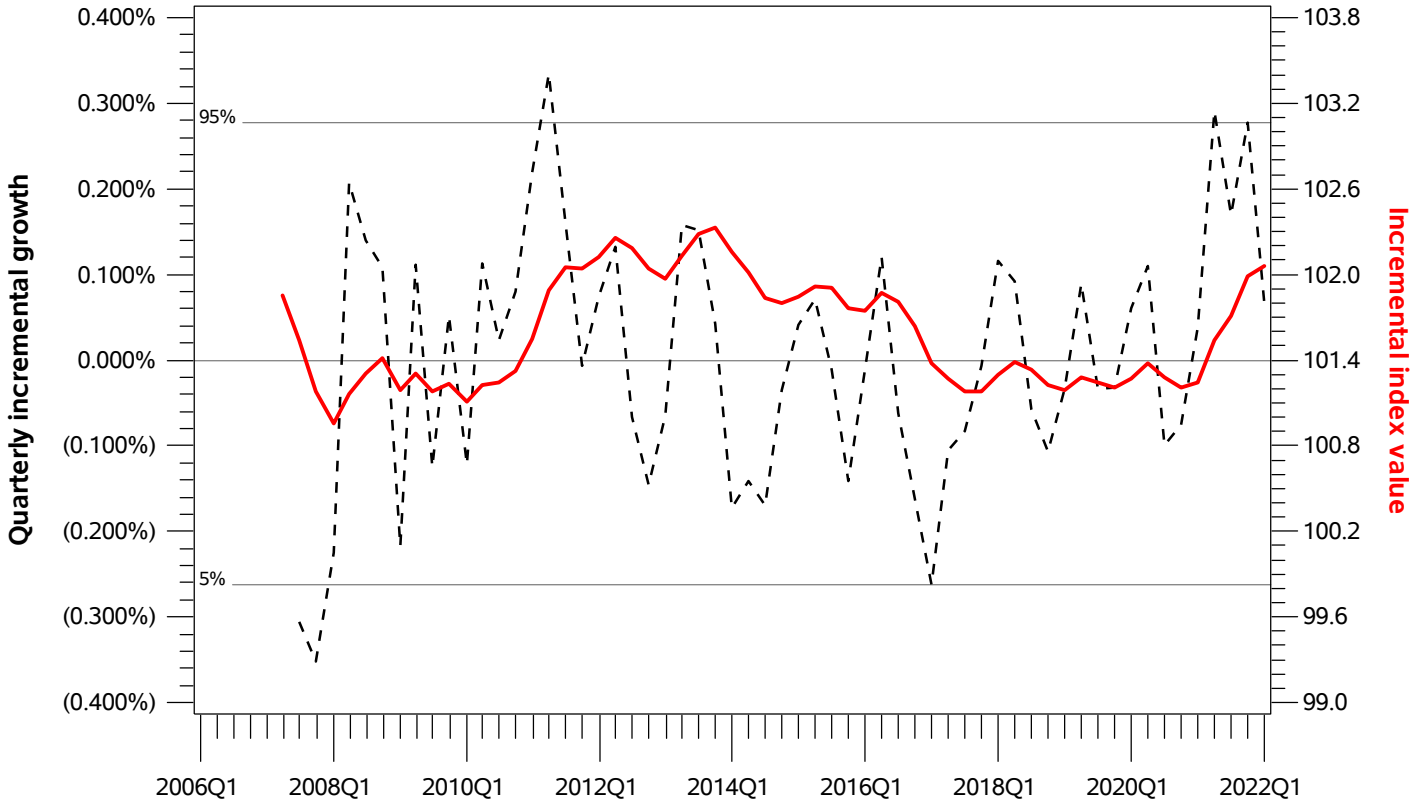


Table 171. ECI: COMP(S&L) Hospitals incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU3016220000000I and CIU3010000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-33.0655	Z_{Tau}	-4.7498
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0003

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0091	AR(1) coefficient	-0.4477
Standard error	0.0322	Standard error	0.1184
t-statistic	-0.2831	t-statistic	-3.7805
Probability t	0.7781	Durbin-Watson	1.8179

Estimated incremental annual growth rate: (0.036%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

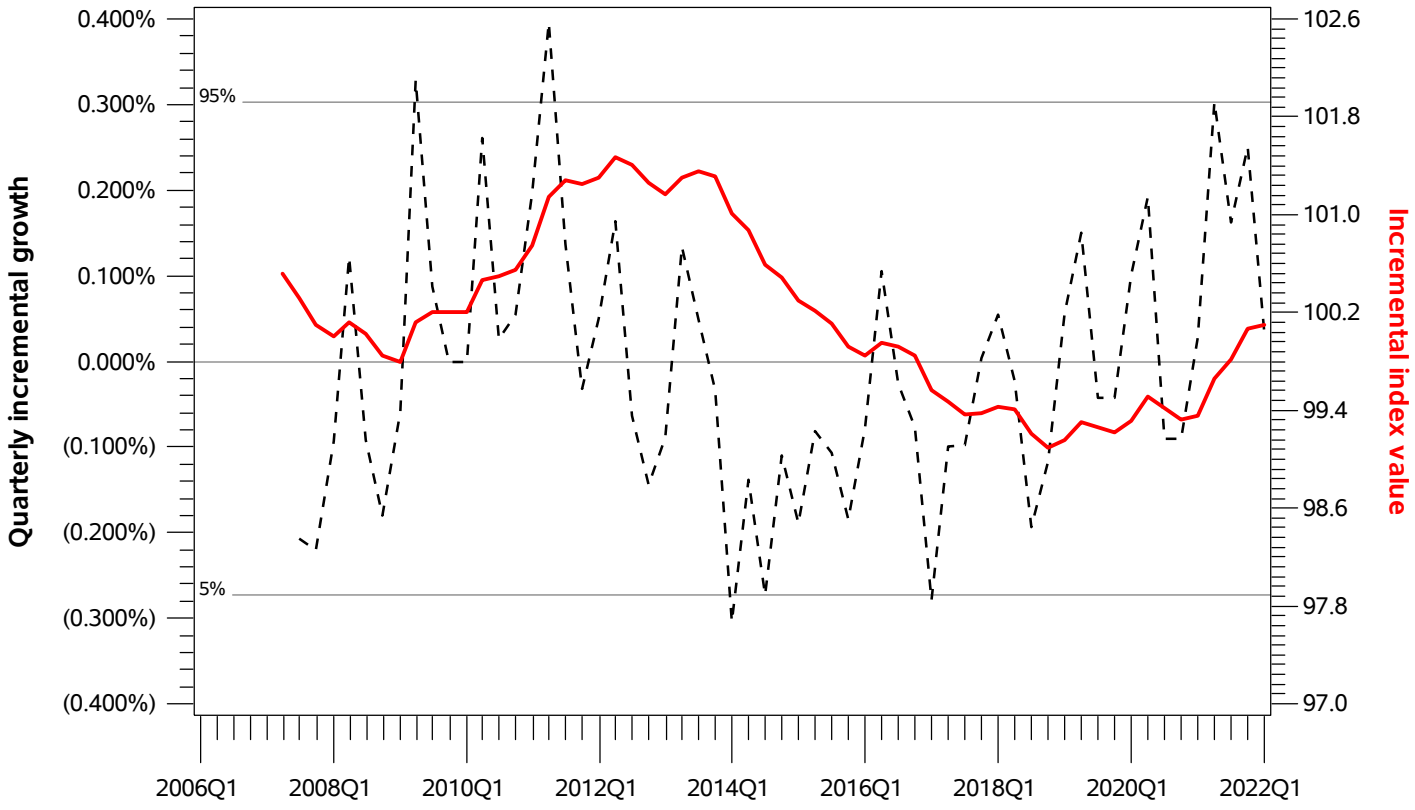


Table 172. ECI: COMP(S&L) Public administration incremental growth over ECI: COMP(S&L) All industries and occupations

LABSTAT series identifiers: CIU30192000000000I and CIU30100000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-43.3794	Z_{Tau}	-5.6632
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0104	AR(1) coefficient	-0.3050
Standard error	0.0128	Standard error	0.1261
t-statistic	0.8176	t-statistic	-2.4180
Probability t	0.4170	Durbin-Watson	1.7729

Estimated incremental annual growth rate: 0.042%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

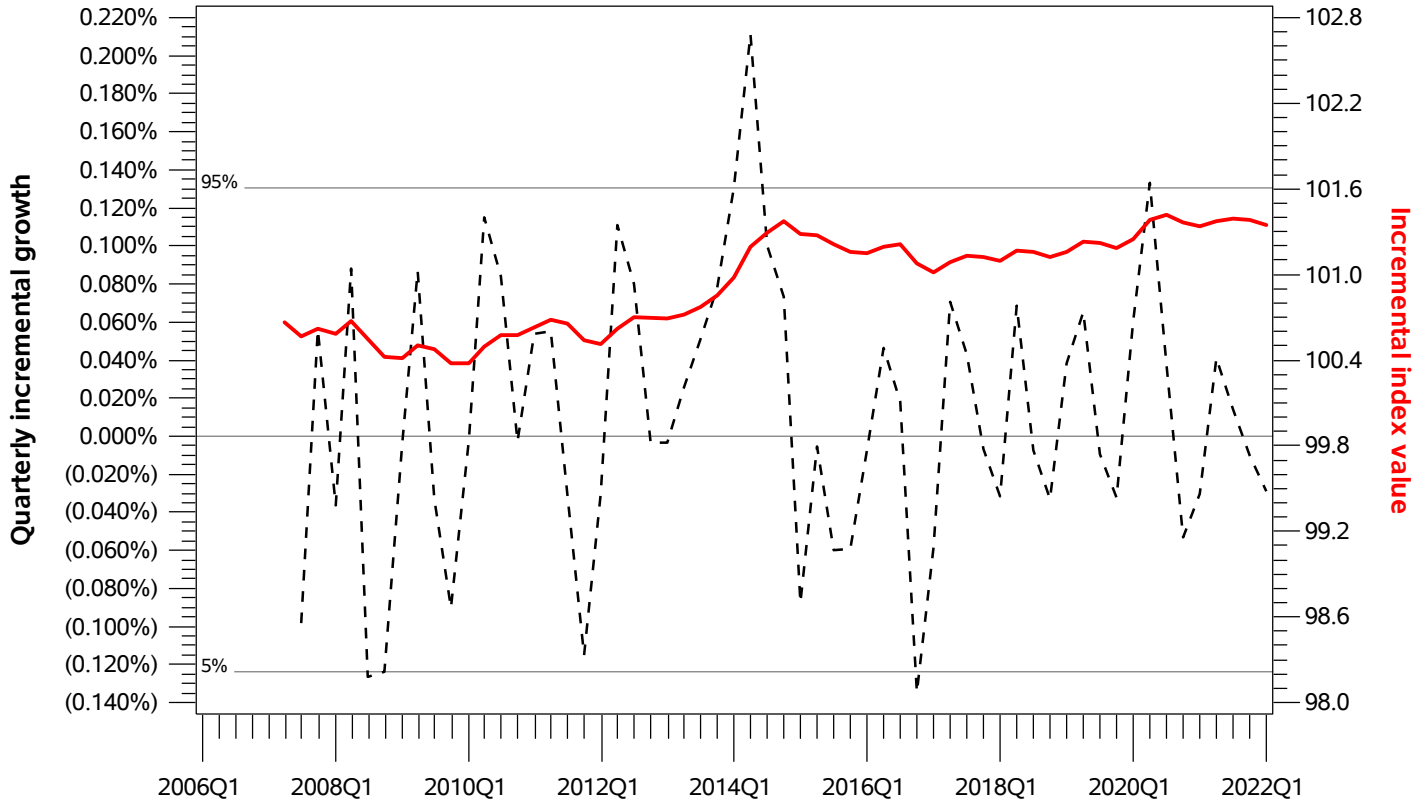


Table 173. ECI: W&S(S&L) Management, professional, and related incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30200001000001 and CIU30200000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-29.8093	Z_{Tau}	-4.5470
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0005

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0157	AR(1) coefficient	-0.4412
Standard error	0.0069	Standard error	0.1189
t-statistic	-2.2556	t-statistic	-3.7116
Probability t	0.0280	Durbin-Watson	2.0986

Estimated incremental annual growth rate: (0.063%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.063%)

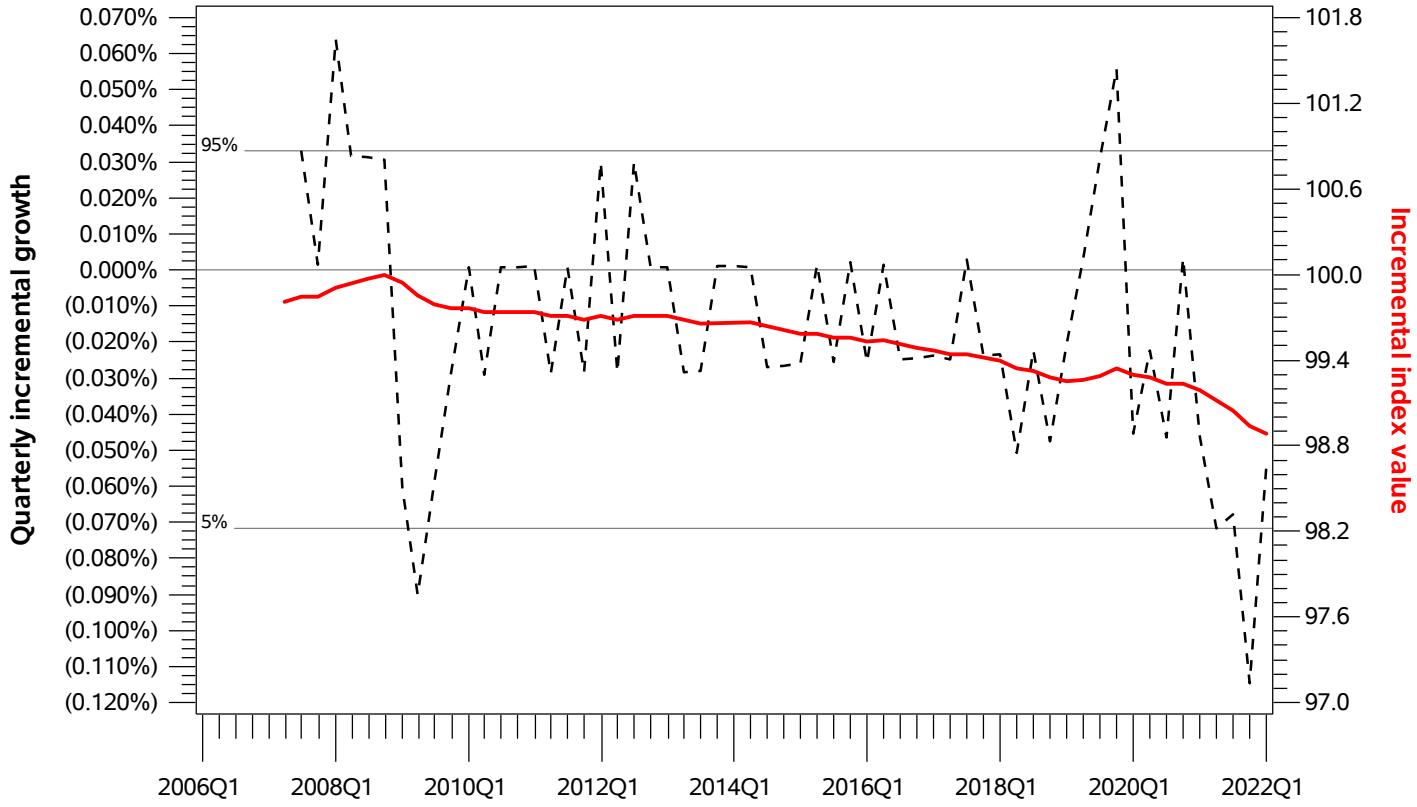


Table 174. ECI: W&S(S&L) Professional and related incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30200001200001 and CIU30200000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-36.0054	Z_{Tau}	-5.2489
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0155	AR(1) coefficient	-0.3701
Standard error	0.0077	Standard error	0.1230
t-statistic	-2.0233	t-statistic	-3.0079
Probability t	0.0477	Durbin-Watson	1.8906

Estimated incremental annual growth rate: (0.062%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.062%)

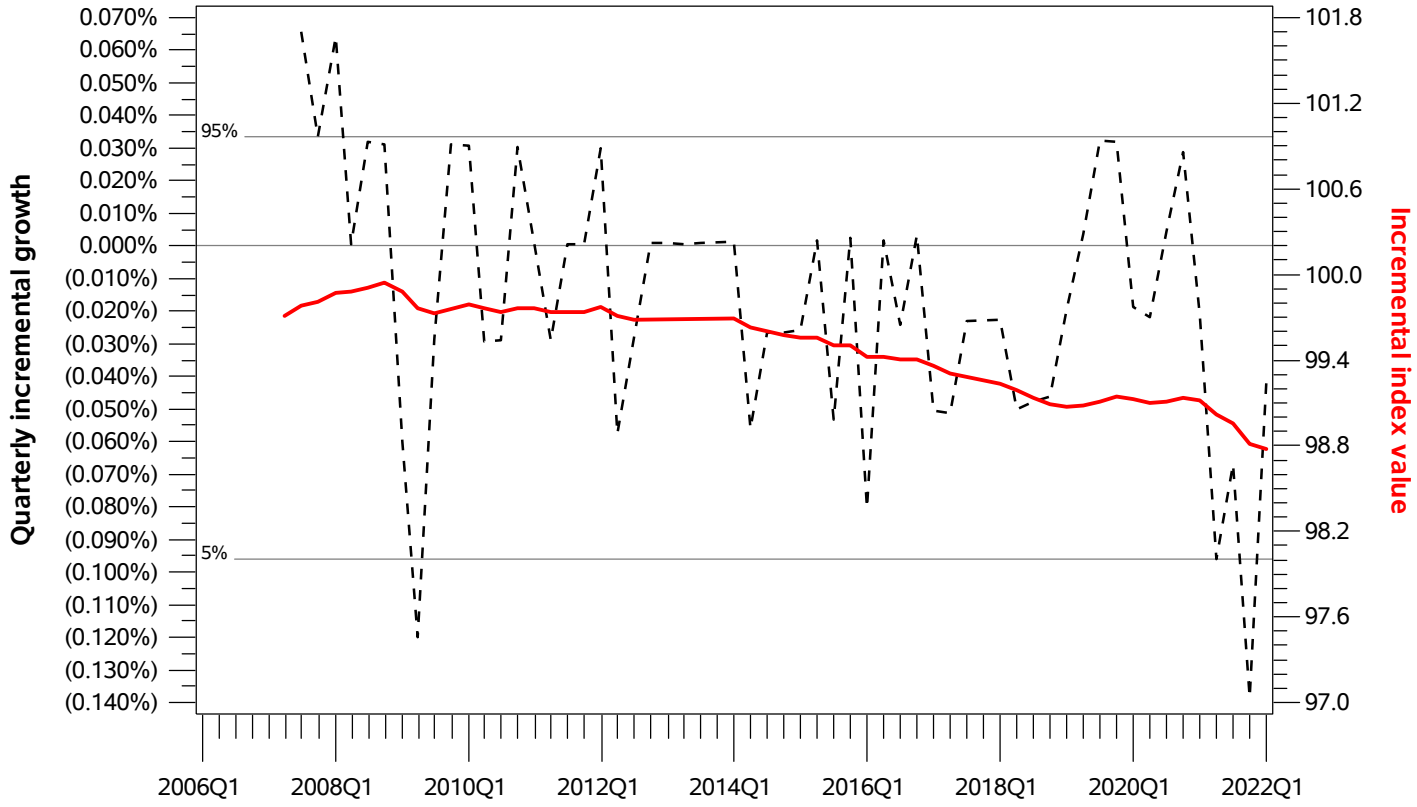


Table 175. ECI: W&S(S&L) Sales and office incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30200002000001 and CIU30200000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-23.1022	Z_{Tau}	-3.8101
Prob Z_{Rho}	0.0026	Prob Z_{Tau}	0.0046

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0055	AR(1) coefficient	-0.5883
Standard error	0.0204	Standard error	0.1071
t-statistic	-0.2693	t-statistic	-5.4922
Probability t	0.7887	Durbin-Watson	1.8385

Estimated incremental annual growth rate: (0.022%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

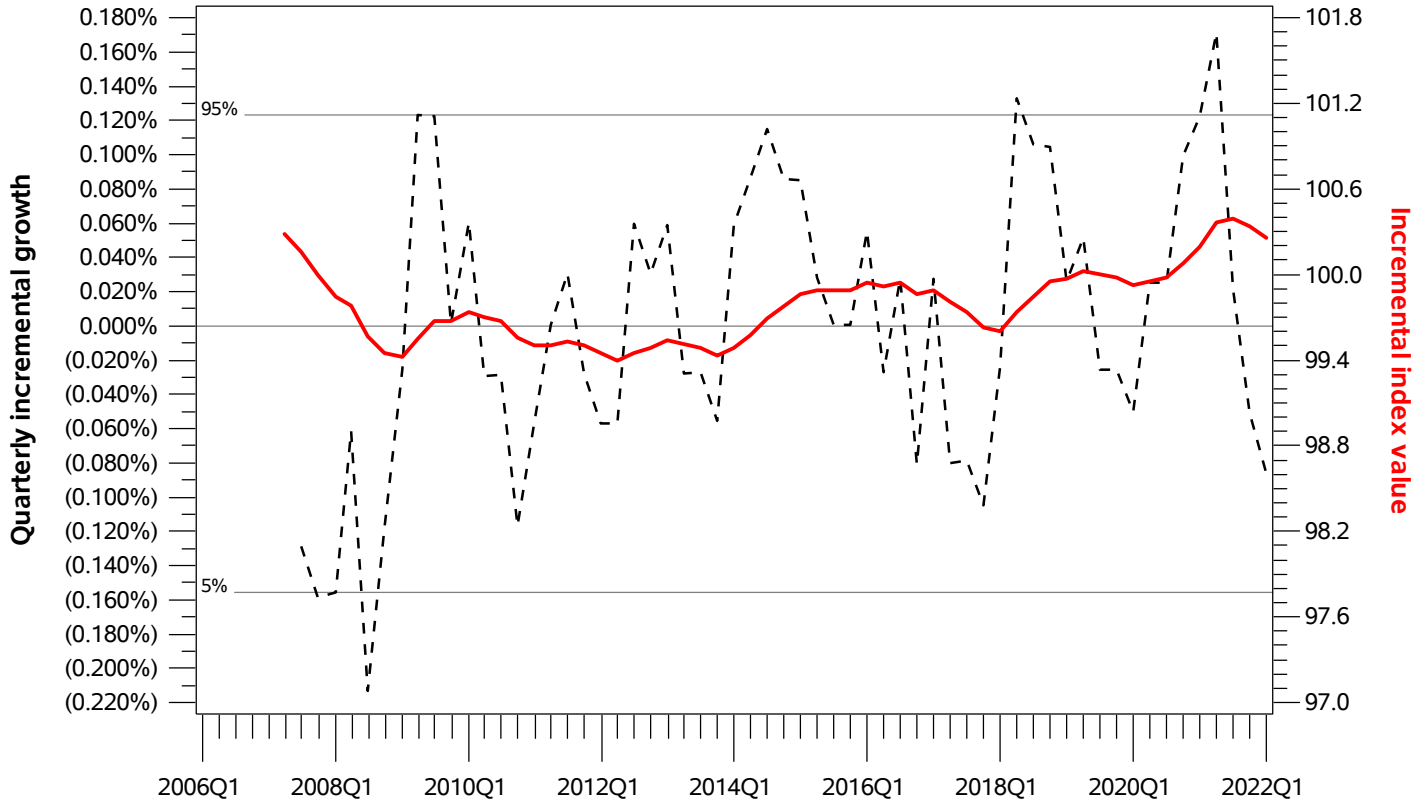


Table 176. ECI: W&S(S&L) Office and administrative support incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30200002200001 and CIU30200000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.1611	Z_{Tau}	-4.2630
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0012

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0023	AR(1) coefficient	-0.5118
Standard error	0.0184	Standard error	0.1138
t-statistic	-0.1252	t-statistic	-4.4980
Probability t	0.9008	Durbin-Watson	1.7835

Estimated incremental annual growth rate: (0.009%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

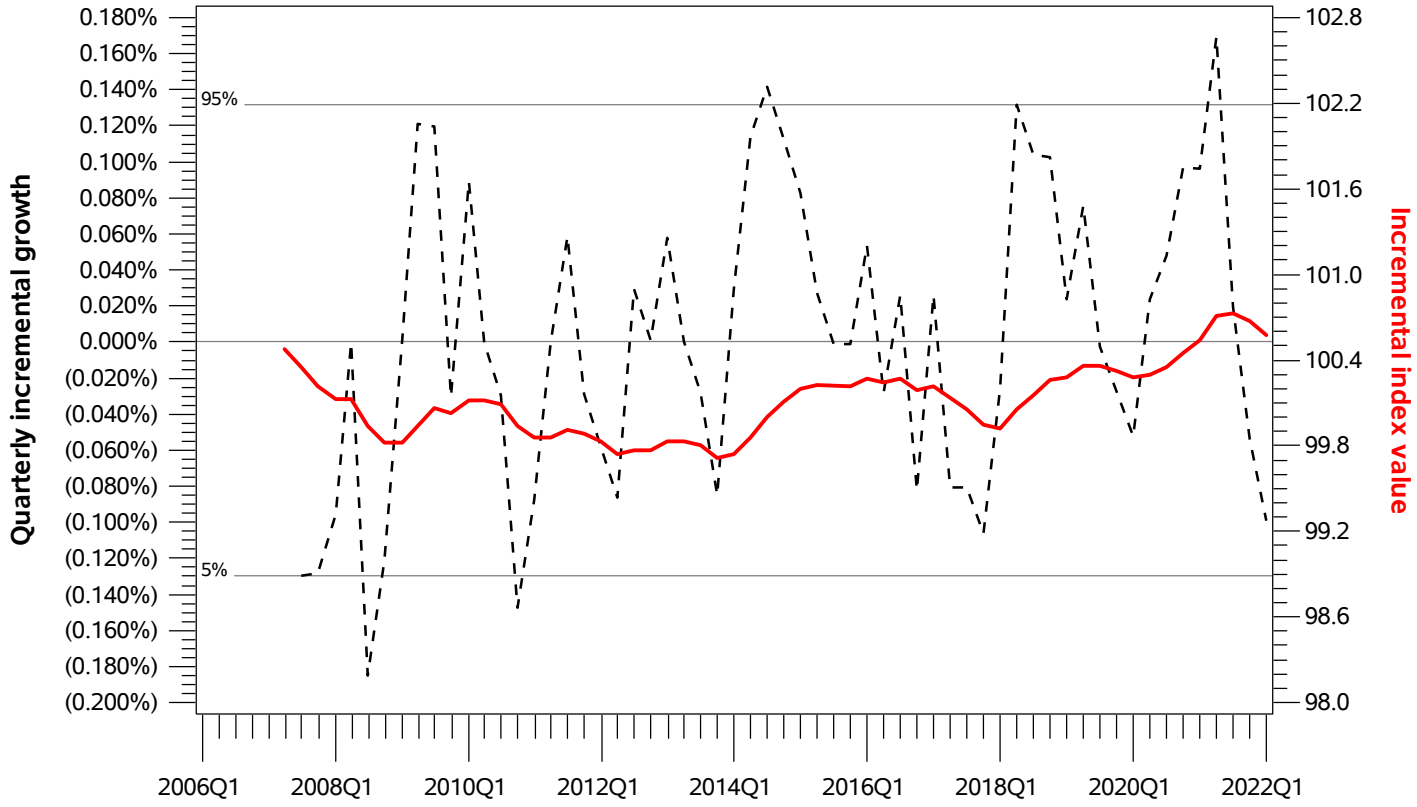


Table 177. ECI: W&S(S&L) Service occupations incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30200003000001 and CIU30200000000001
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-28.8649	Z_{Tau}	-4.1879
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0015

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0574	AR(1) coefficient	-0.5083
Standard error	0.0207	Standard error	0.1141
t-statistic	2.7770	t-statistic	-4.4565
Probability t	0.0074	Durbin-Watson	1.6956

Estimated incremental annual growth rate: 0.230%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.230%

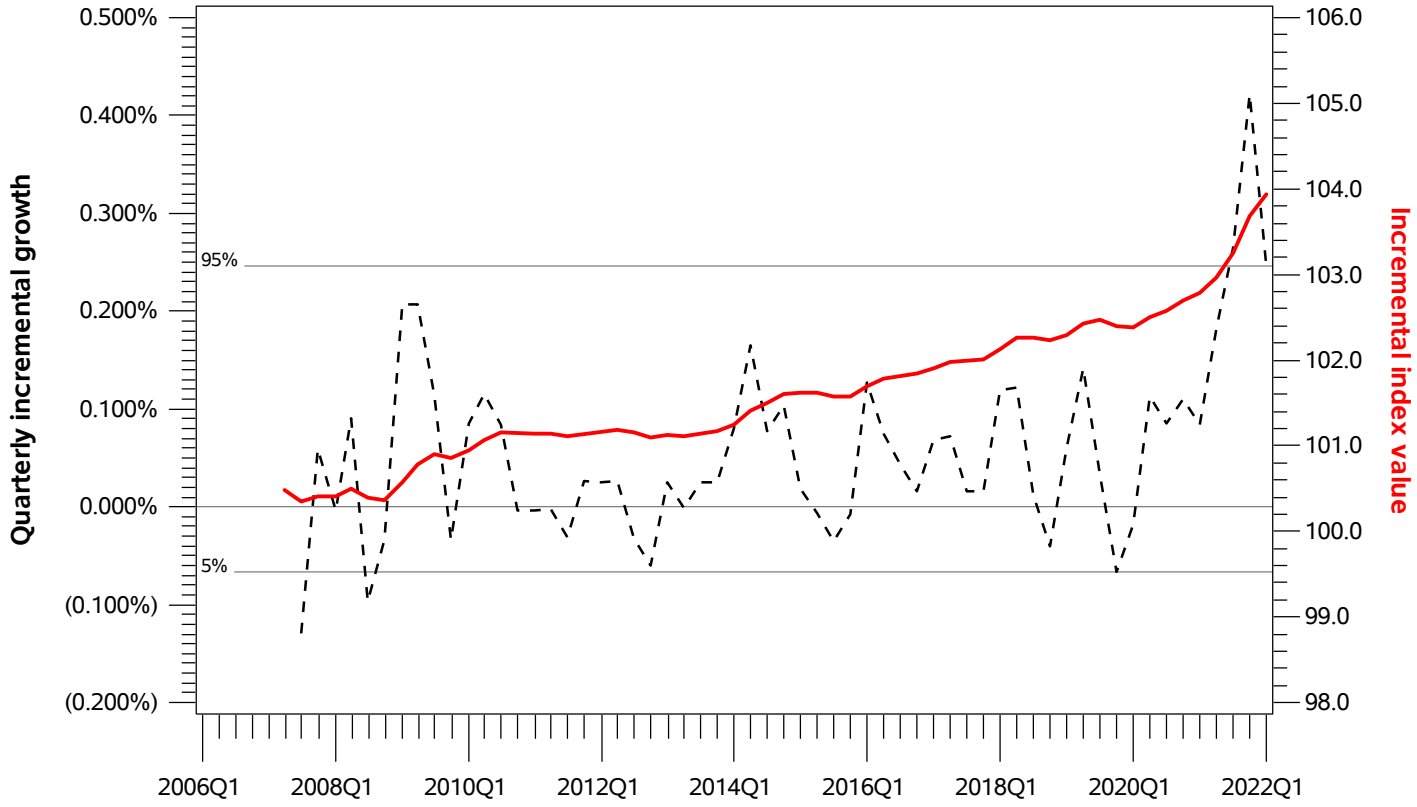


Table 178. ECI: W&S(S&L) Education and health services incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30260000000000I and CIU30200000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-44.2677	Z_{Tau}	-5.8925
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0104	AR(1) coefficient	-0.2622
Standard error	0.0065	Standard error	0.1278
t-statistic	-1.5835	t-statistic	-2.0510
Probability t	0.1188	Durbin-Watson	1.7990

Estimated incremental annual growth rate: (0.041%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

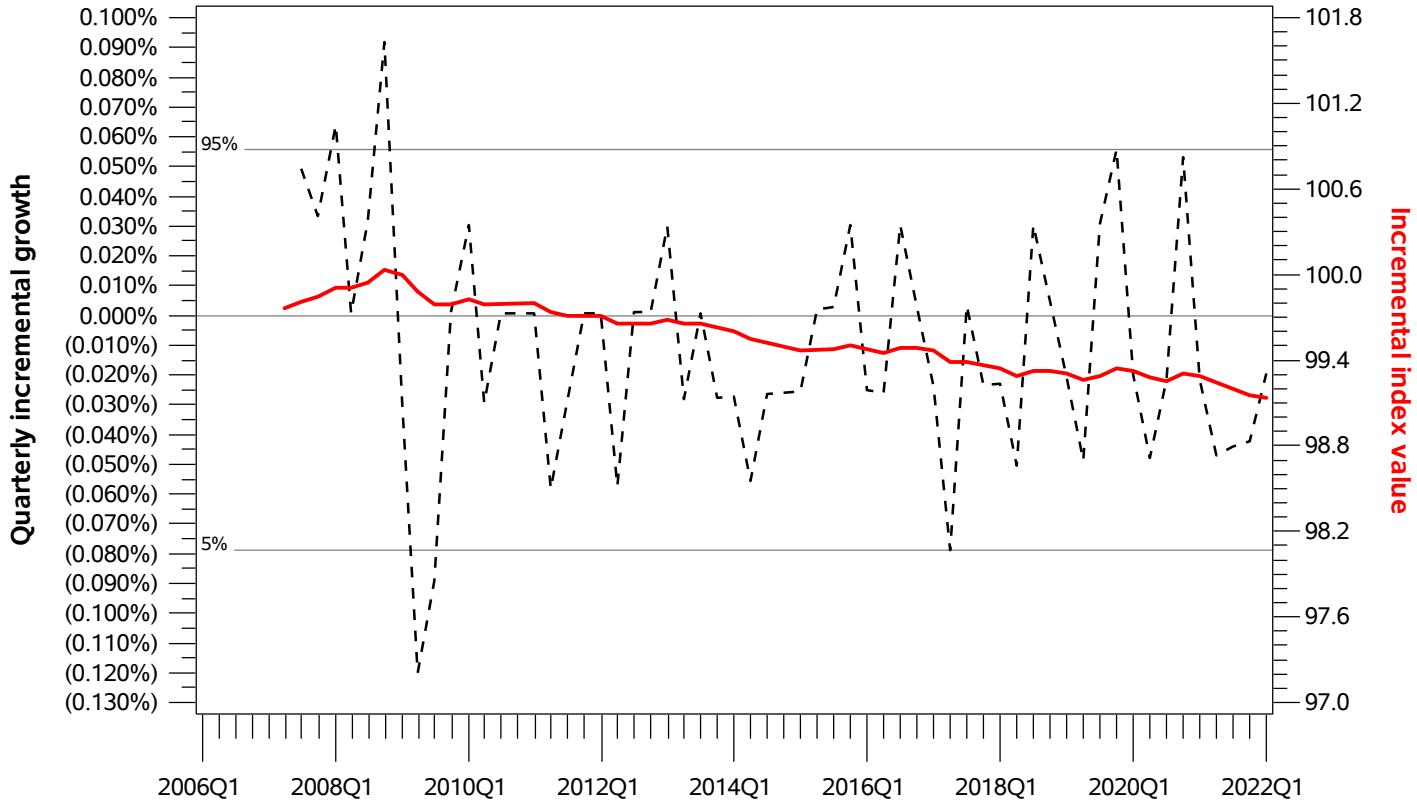


Table 179. ECI: W&S(S&L) Education services incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30261000000000I and CIU30200000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-47.9632	Z_{Tau}	-6.4356
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0166	AR(1) coefficient	-0.1797
Standard error	0.0085	Standard error	0.1303
t-statistic	-1.9664	t-statistic	-1.3788
Probability t	0.0541	Durbin-Watson	1.8611

Estimated incremental annual growth rate: (0.066%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.066%)

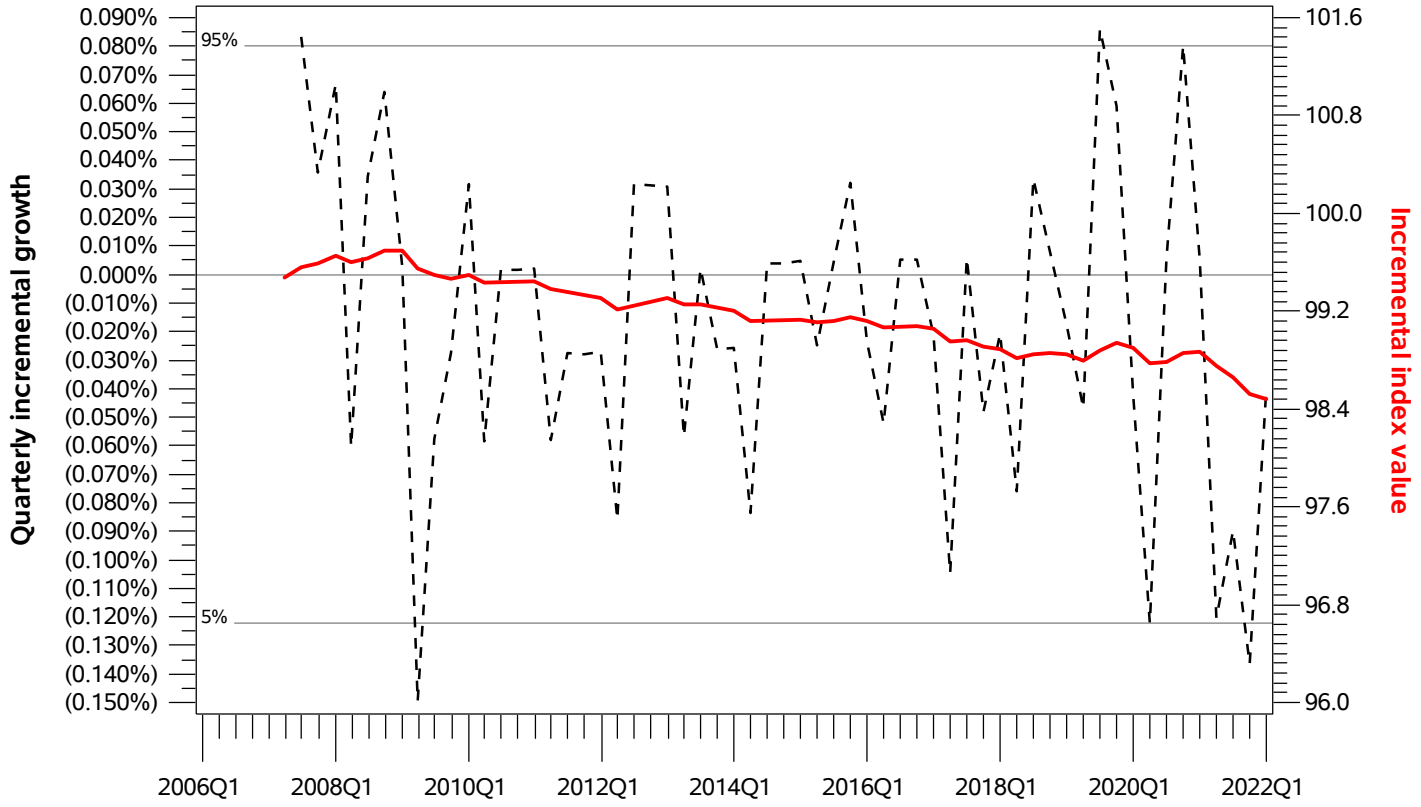


Table 180. ECI: W&S(S&L) Schools incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30261050000000I and CIU30200000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-44.9381	Z_{Tau}	-6.2005
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0156	AR(1) coefficient	-0.2285
Standard error	0.0086	Standard error	0.1289
t-statistic	-1.8091	t-statistic	-1.7718
Probability t	0.0757	Durbin-Watson	1.7995

Estimated incremental annual growth rate: (0.063%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (0.063%)

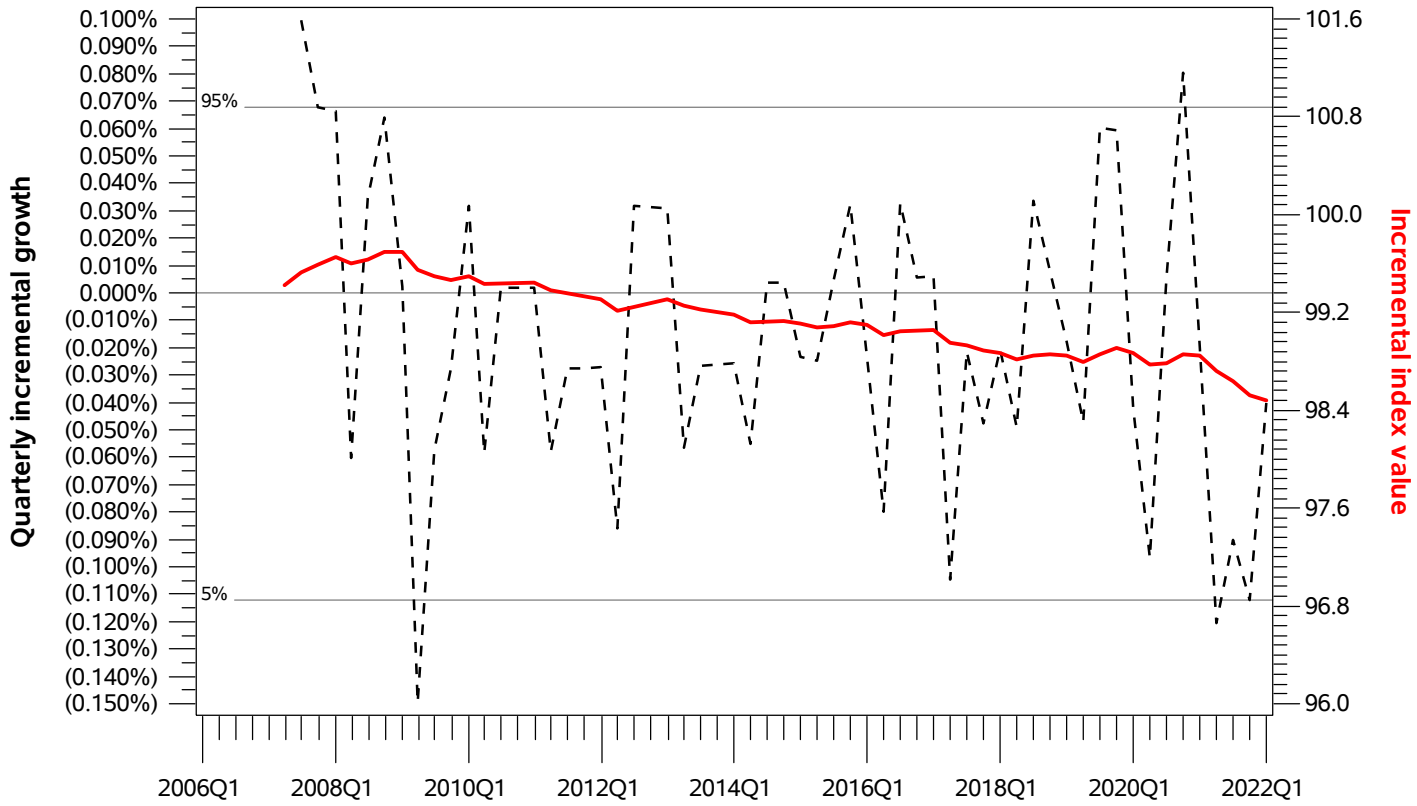


Table 181. ECI: W&S(S&L) Elementary and secondary schools incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU3026110000000I and CIU3020000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-46.7464	Z_{Tau}	-6.0809
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0194	AR(1) coefficient	-0.2199
Standard error	0.0128	Standard error	0.1292
t-statistic	-1.5195	t-statistic	-1.7018
Probability t	0.1342	Durbin-Watson	1.8434

Estimated incremental annual growth rate: (0.078%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

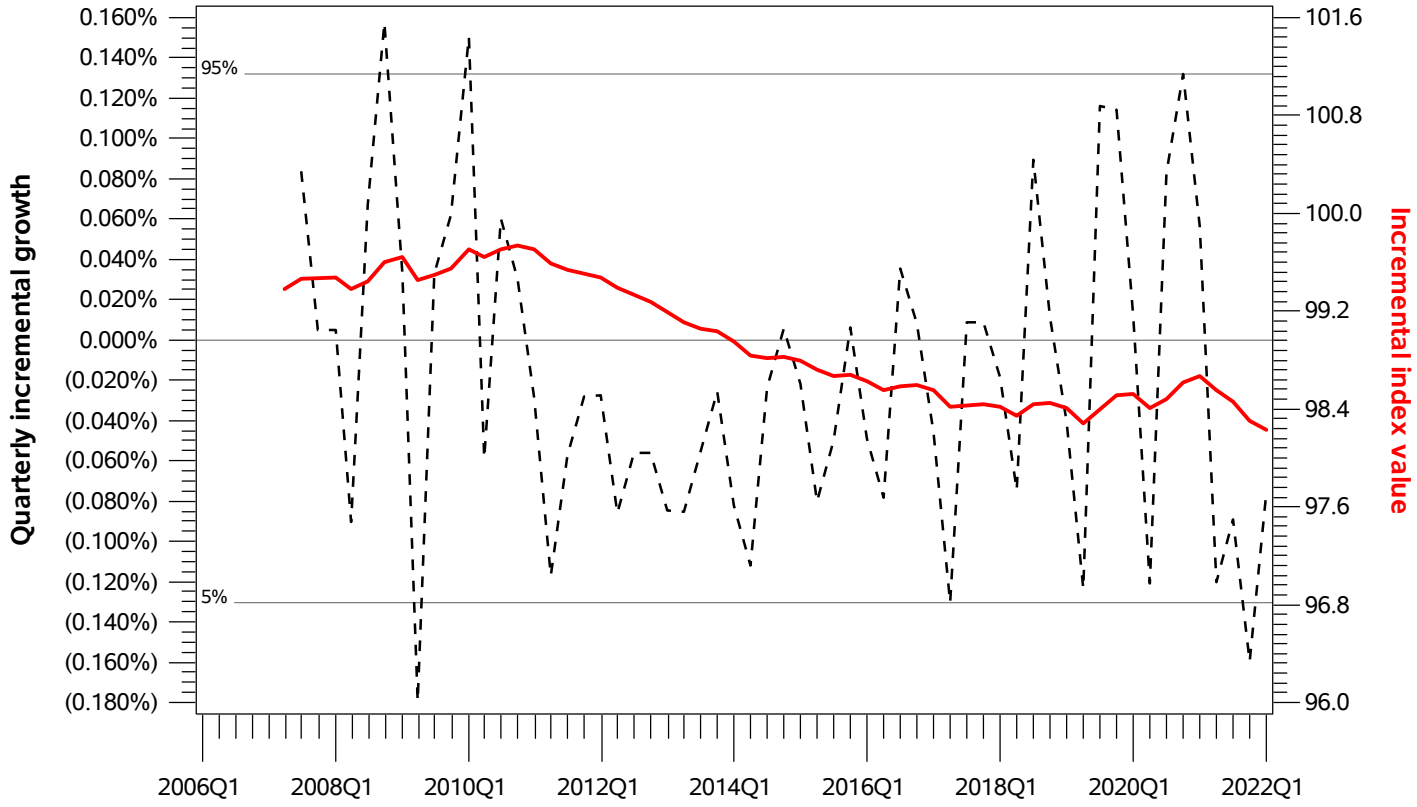


Table 182. ECI: W&S(S&L) Health care and social assistance incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30262000000000I and CIU30200000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-37.6687	Z_{Tau}	-5.4097
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0295	AR(1) coefficient	-0.3239
Standard error	0.0248	Standard error	0.1253
t-statistic	1.1927	t-statistic	-2.5844
Probability t	0.2379	Durbin-Watson	1.9233

Estimated incremental annual growth rate: 0.118%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

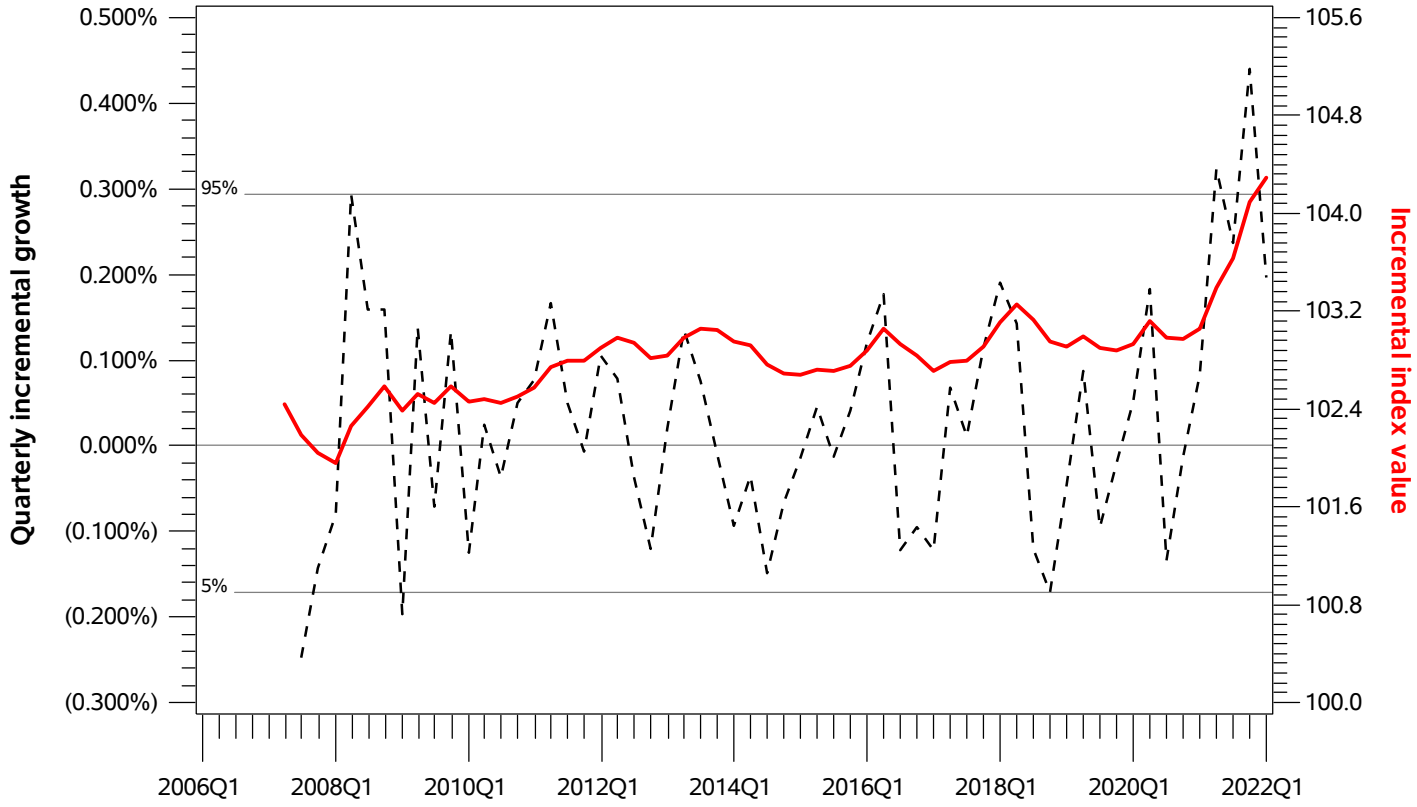


Table 183. ECI: W&S(S&L) Hospitals incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30262200000000I and CIU30200000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-36.0216	Z_{Tau}	-5.0169
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0002

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0311	AR(1) coefficient	-0.3934
Standard error	0.0292	Standard error	0.1218
t-statistic	1.0677	t-statistic	-3.2303
Probability t	0.2902	Durbin-Watson	1.8507

Estimated incremental annual growth rate: 0.125%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

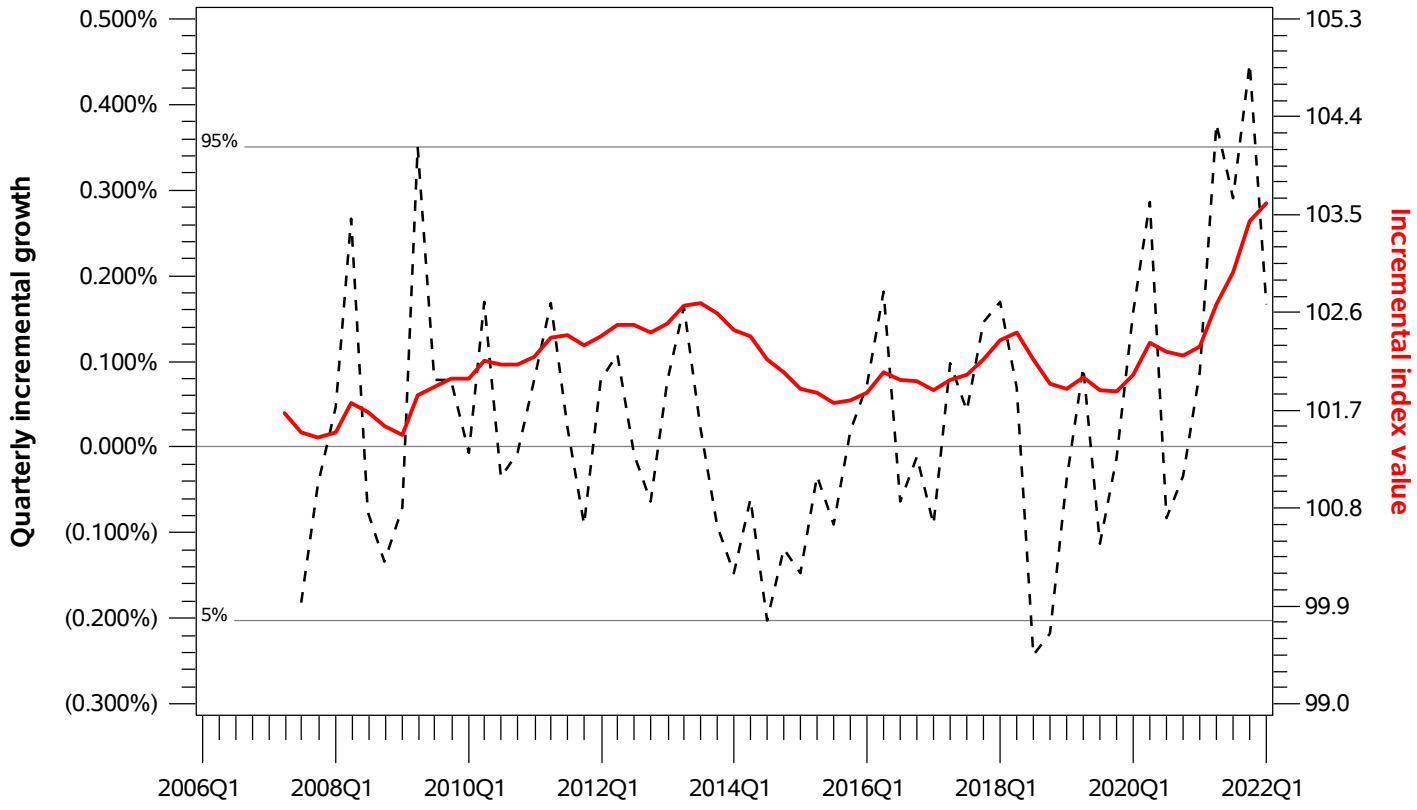


Table 184. ECI: W&S(S&L) Public administration incremental growth over ECI: W&S(S&L) All industries and occupations

LABSTAT series identifiers: CIU30292000000000I and CIU30200000000000I
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-47.6427	Z_{Tau}	-6.2816
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0001

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0122	AR(1) coefficient	-0.2096
Standard error	0.0132	Standard error	0.1295
t-statistic	0.9236	t-statistic	-1.6187
Probability t	0.3596	Durbin-Watson	1.7479

Estimated incremental annual growth rate: 0.049%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

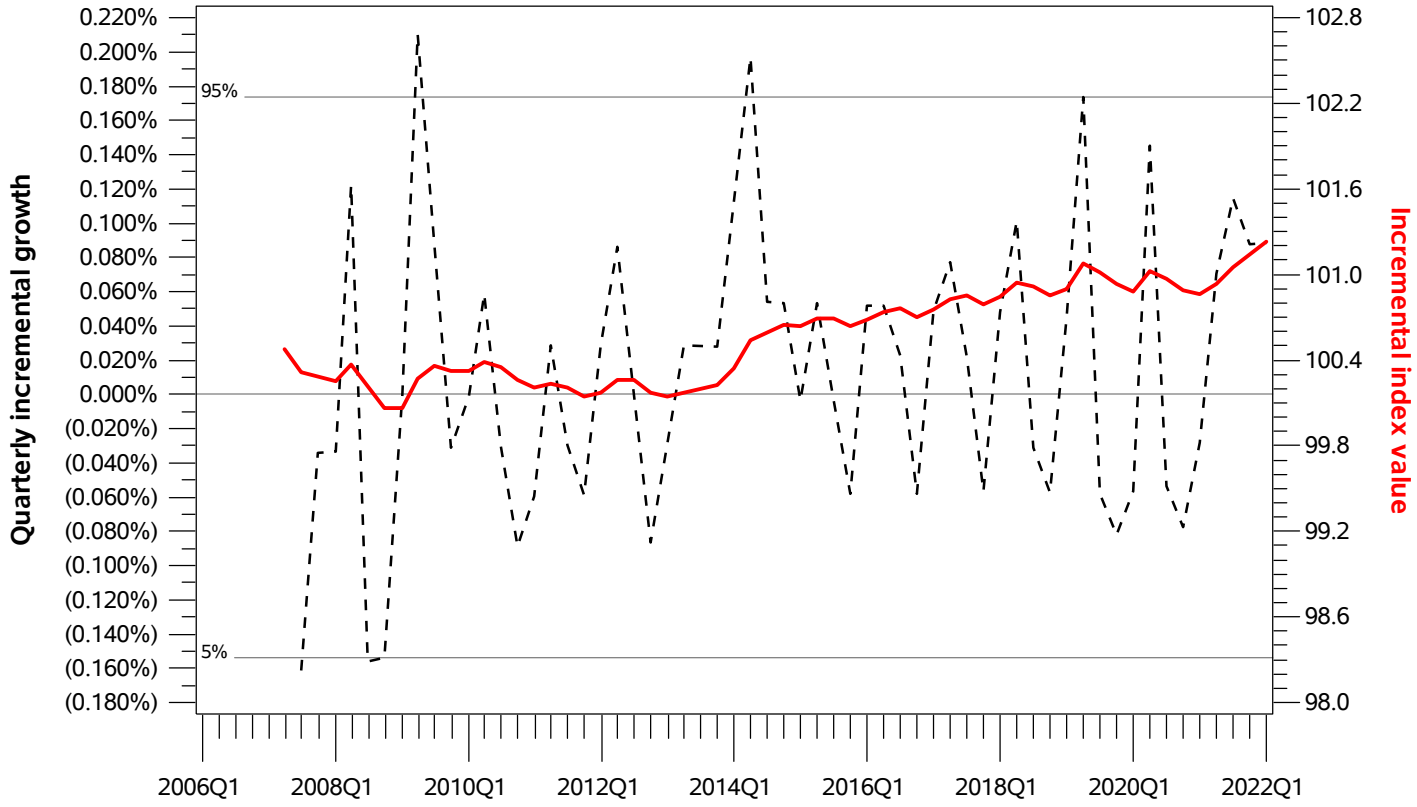


Table 185. CPI-U: Physicians services incremental growth over CPI-U: Professional Services

LABSTAT series identifiers: CUUR0000SEMC01 and CUUR0000SEMC
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-22.5283	Z_{Tau}	-3.5498
Prob Z_{Rho}	0.0031	Prob Z_{Tau}	0.0097

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.0059	AR(1) coefficient	-0.6620
Standard error	0.0504	Standard error	0.0993
t-statistic	-0.1172	t-statistic	-6.6678
Probability t	0.9071	Durbin-Watson	1.5616

Estimated incremental annual growth rate: (0.024%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

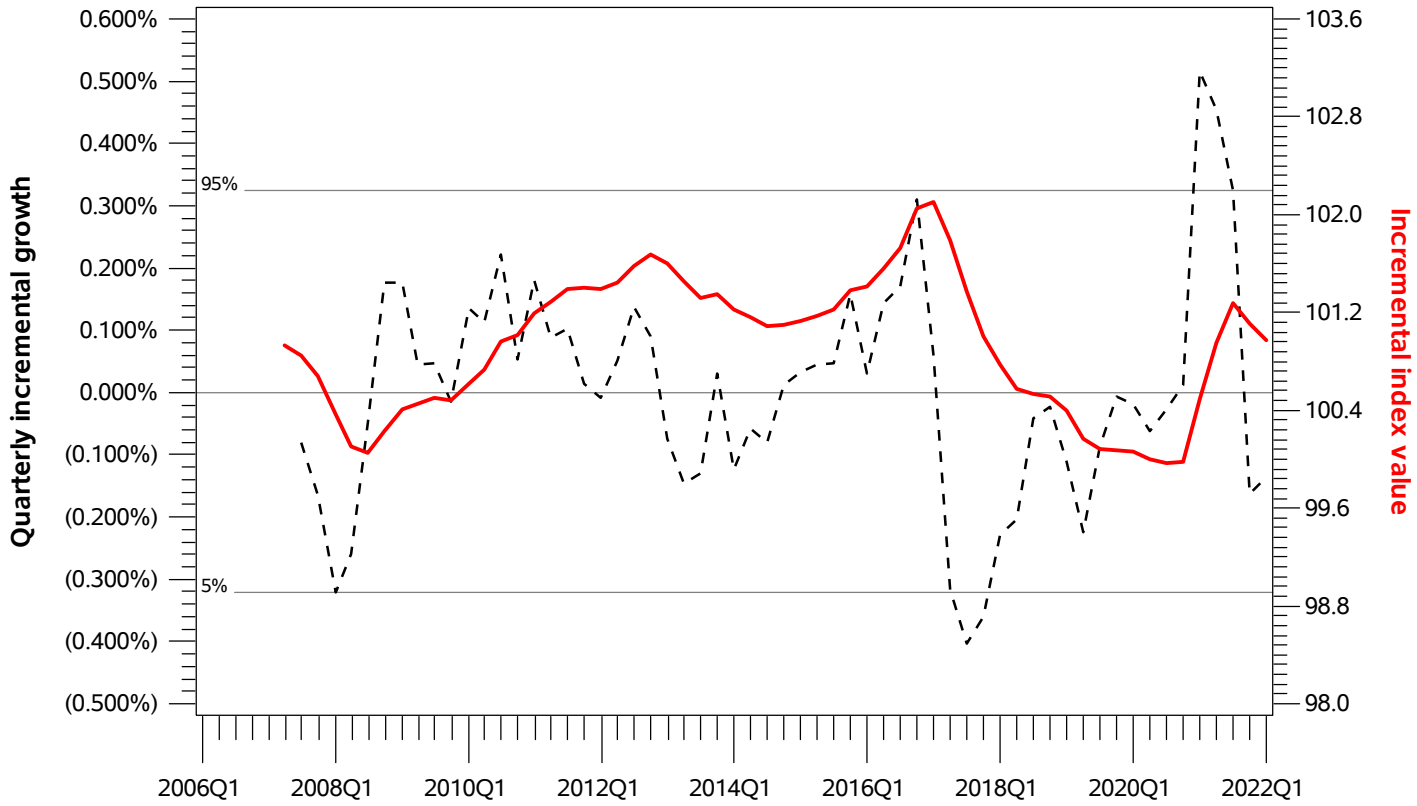


Table 186. CPI-U: Dental services incremental growth over CPI-U: Professional Services

LABSTAT series identifiers: CUUR0000SEMC02 and CUUR0000SEMC
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-27.7663	Z_{Tau}	-4.1907
Prob Z_{Rho}	0.0006	Prob Z_{Tau}	0.0015

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.1606	AR(1) coefficient	-0.5355
Standard error	0.0590	Standard error	0.1119
t-statistic	2.7224	t-statistic	-4.7867
Probability t	0.0086	Durbin-Watson	1.8745

Estimated incremental annual growth rate: 0.644%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.644%

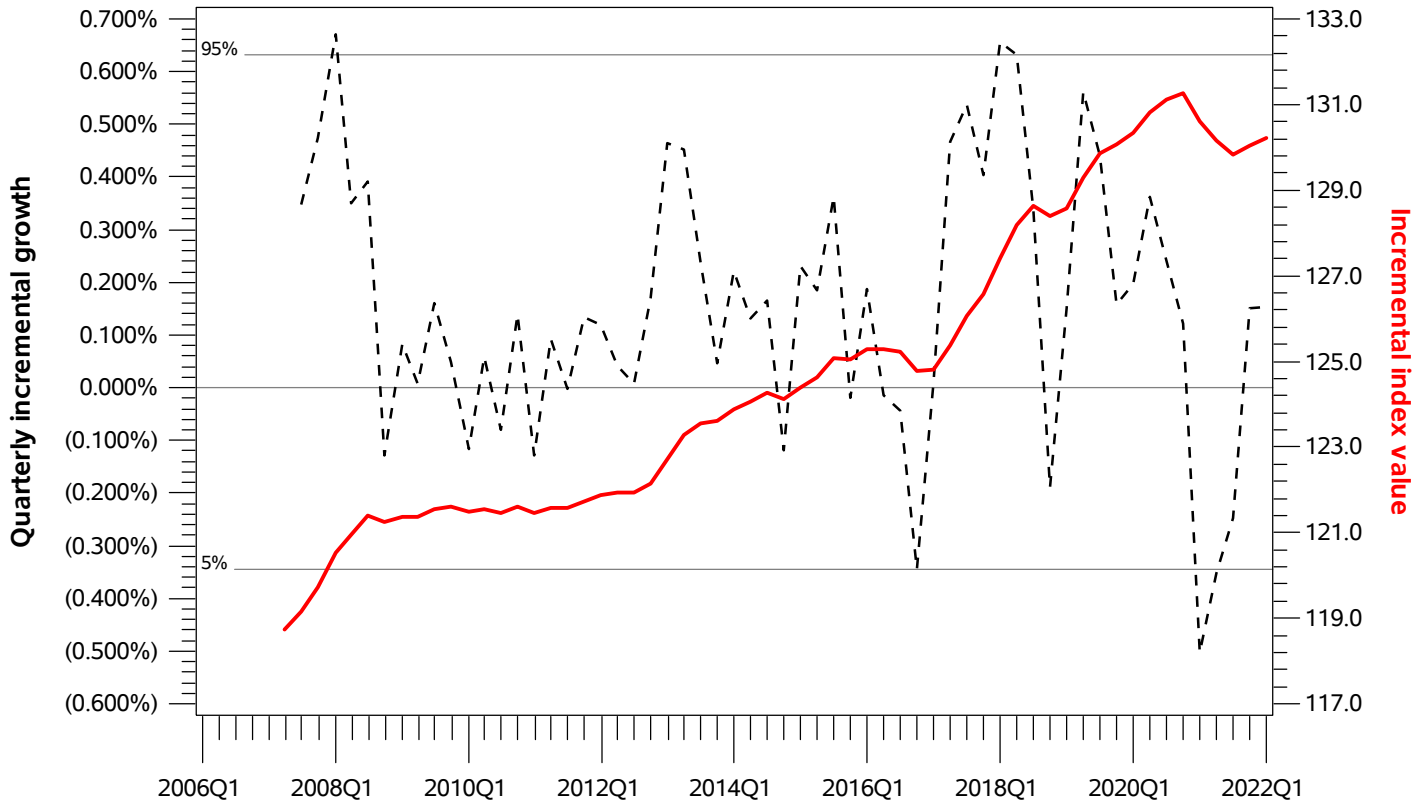


Table 187. CPI-U: Eyeglasses and eye care incremental growth over CPI-U: Professional Services

LABSTAT series identifiers: CUUR0000SEMC03 and CUUR0000SEMC
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-31.4690	Z_{Tau}	-4.3692
Prob Z_{Rho}	0.0005	Prob Z_{Tau}	0.0008

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.2743	AR(1) coefficient	-0.4718
Standard error	0.0817	Standard error	0.1168
t-statistic	-3.3583	t-statistic	-4.0402
Probability t	0.0014	Durbin-Watson	1.7853

Estimated incremental annual growth rate: (1.093%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (1.093%)

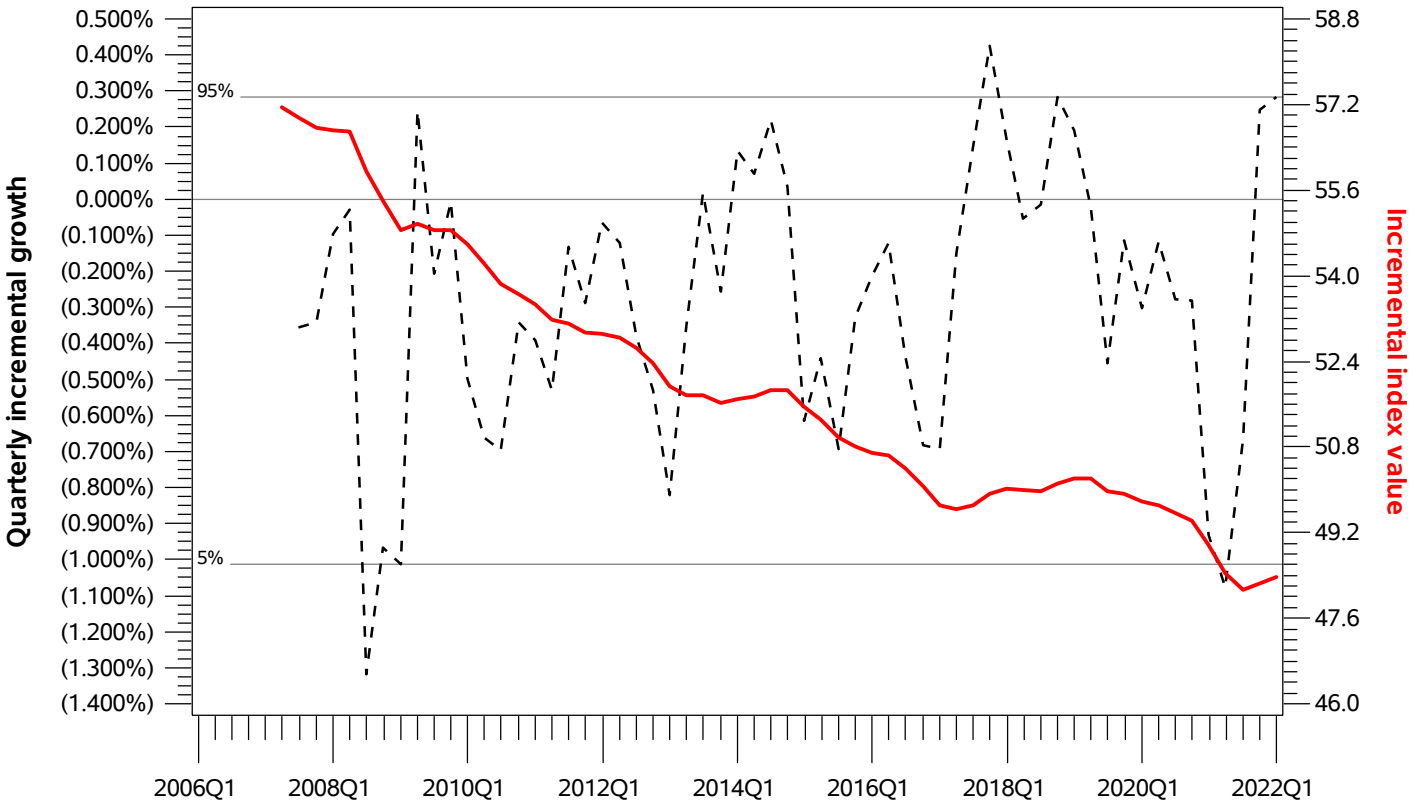


Table 188. CPI-U: Services by other medical professionals incremental growth over CPI-U: Professional Services

LABSTAT series identifiers: CUUR0000SEMC04 and CUUR0000SEMC
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.6294	Z_{Tau}	-3.8939
Prob Z_{Rho}	0.0012	Prob Z_{Tau}	0.0036

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.1048	AR(1) coefficient	-0.5964
Standard error	0.0668	Standard error	0.1063
t-statistic	-1.5689	t-statistic	-5.6088
Probability t	0.1222	Durbin-Watson	1.7555

Estimated incremental annual growth rate: (0.418%)

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

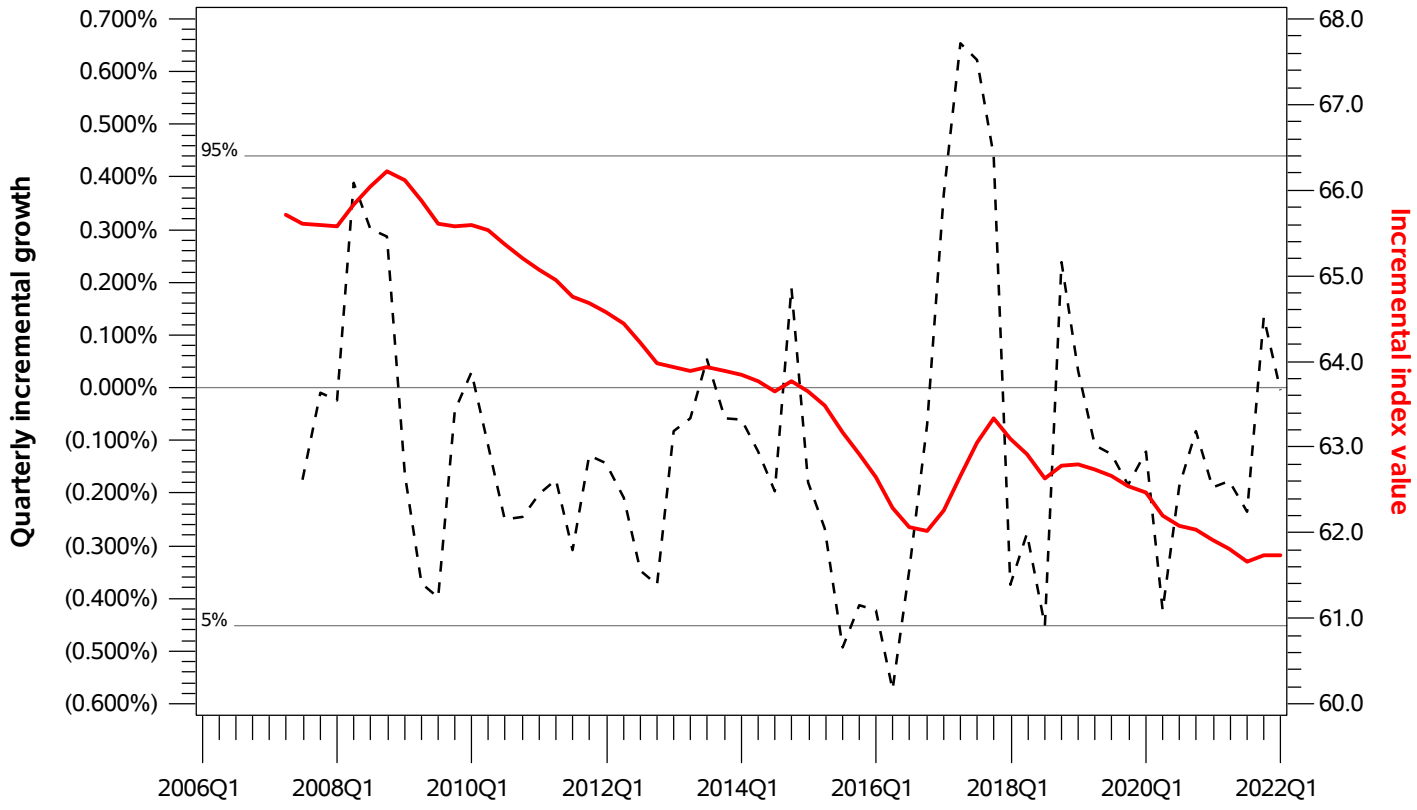


Table 189. CPI-U: Hospital services incremental growth over CPI-U: Hospital and Related Services

LABSTAT series identifiers: CUUR0000SEMD01 and CUUR0000SEMD
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-12.7085	Z_{Tau}	-2.7156
Prob Z_{Rho}	0.0568	Prob Z_{Tau}	0.0773

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0634	AR(1) coefficient	-0.7348
Standard error	0.0217	Standard error	0.0898
t-statistic	2.9196	t-statistic	-8.1795
Probability t	0.0050	Durbin-Watson	2.3476

Estimated incremental annual growth rate: 0.254%

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: 0.254%

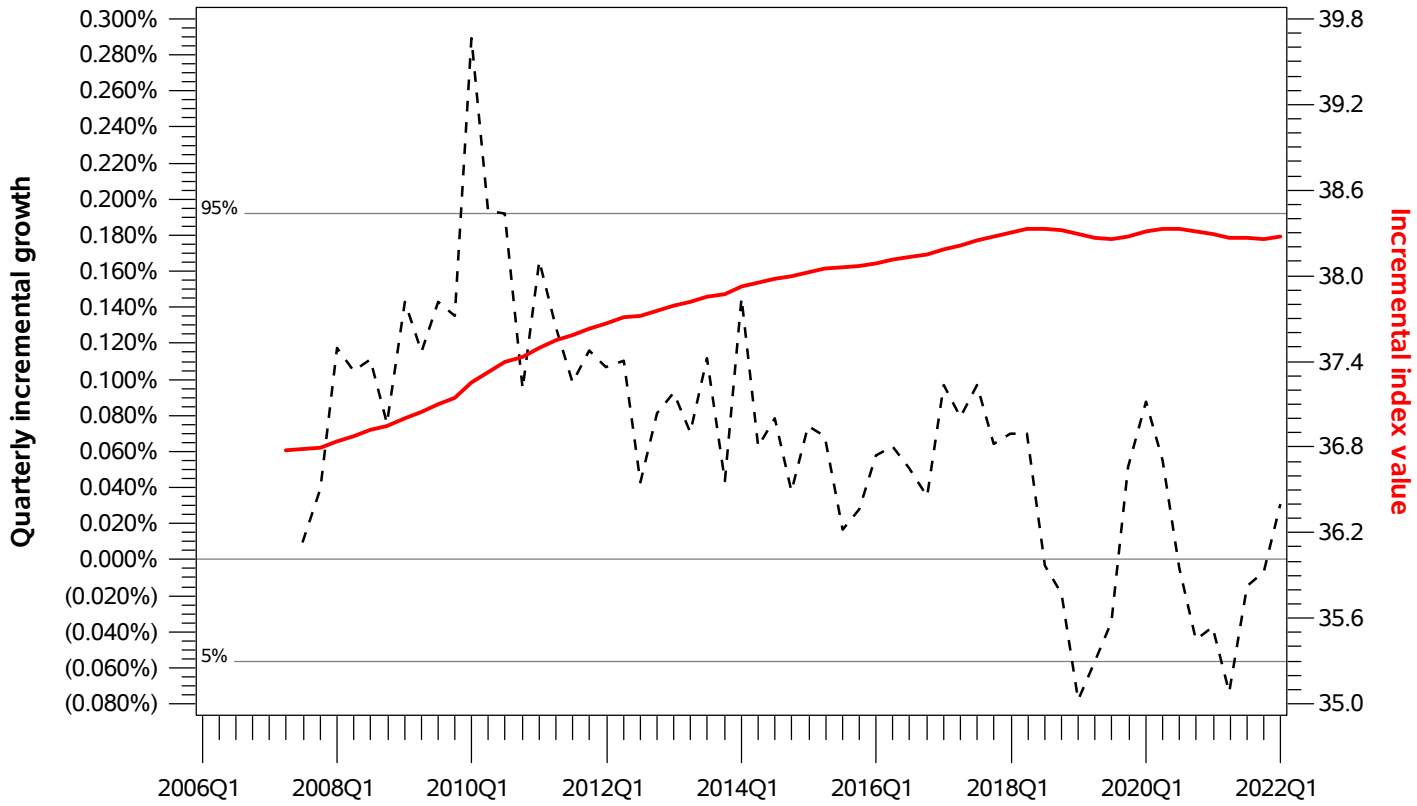


Table 190. CPI-U: Health insurance incremental growth over CPI-U: Medical Care

LABSTAT series identifiers: CUUR0000SEME and CUUR0000SAM
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-9.0937	Z_{Tau}	-2.1478
Prob Z_{Rho}	0.1505	Prob Z_{Tau}	0.2272

H_0: Series contains a unit root, Fail to reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0699	AR(1) coefficient	-0.9045
Standard error	0.8181	Standard error	0.0565
t-statistic	0.0855	t-statistic	-16.0170
Probability t	0.9322	Durbin-Watson	0.6401

Estimated incremental annual growth rate: 0.280%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

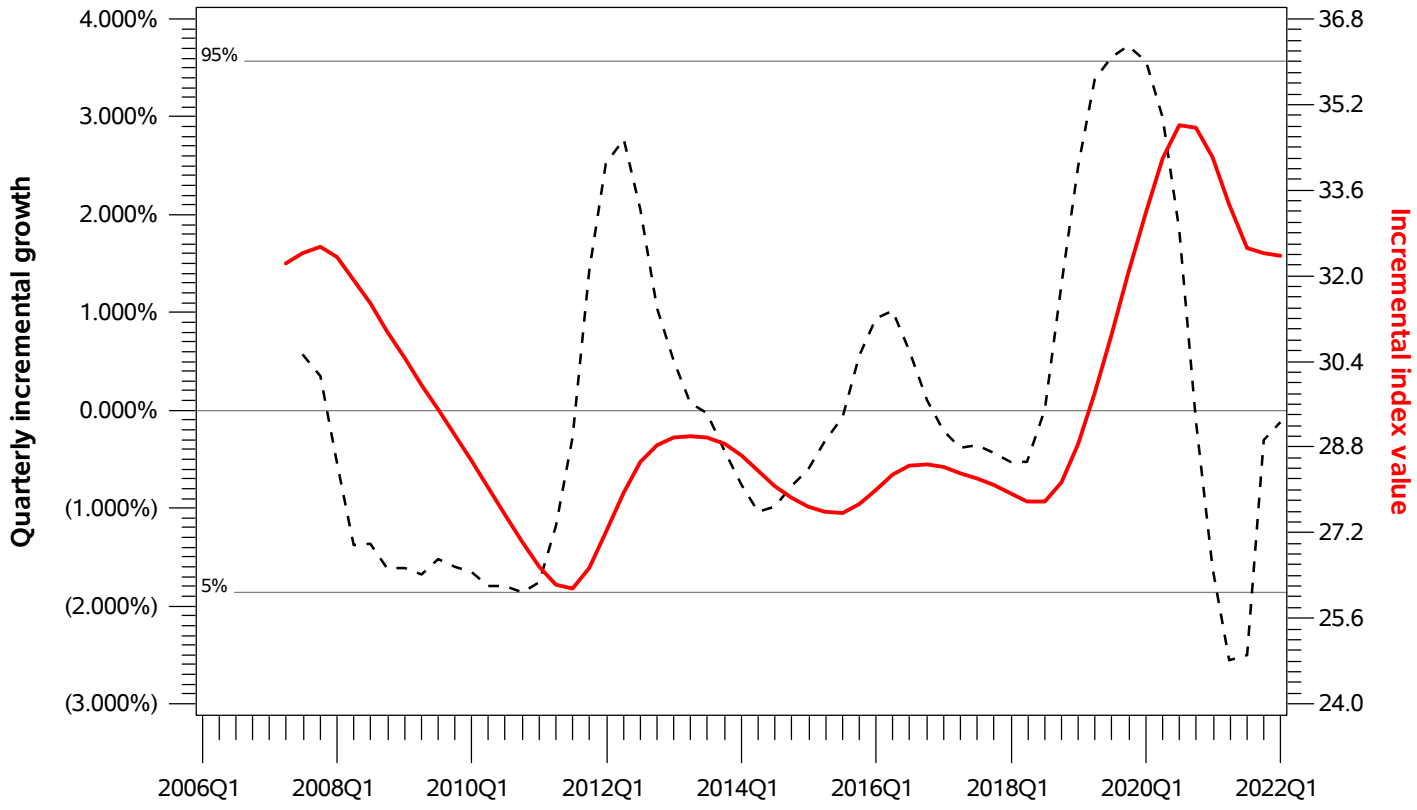


Table 191. CPI-U: Nonprescription drugs incremental growth over CPI-U: Medical care commodities

LABSTAT series identifiers: CUUR0000SEMF02 and CUUR0000SAM1

Historical data period: DEC-2009 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-18.0387	Z_{Tau}	-3.3414
Prob Z_{Rho}	0.0110	Prob Z_{Tau}	0.0181

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.4898	AR(1) coefficient	-0.5618
Standard error	0.1559	Standard error	0.1220
t-statistic	-3.1408	t-statistic	-4.6062
Probability t	0.0029	Durbin-Watson	2.2526

Estimated incremental annual growth rate: (1.945%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (1.945%)

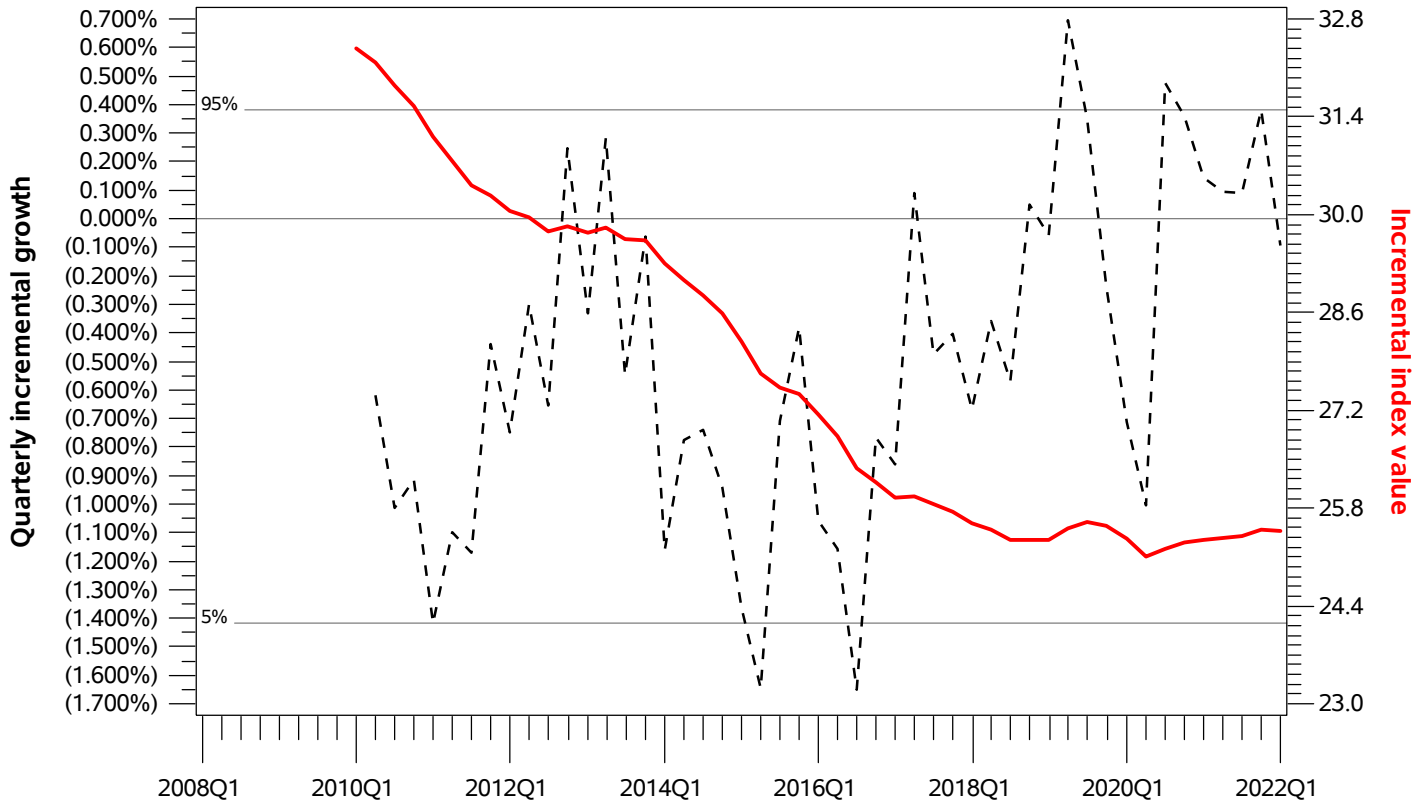


Table 192. CPI-U: Medical equipment and supplies incremental growth over CPI-U: Medical care commodities

LABSTAT series identifiers: CUUR0000SEMG and CUUR0000SAM1
Historical data period: DEC-2009 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-25.7043	Z_{Tau}	-4.2218
Prob Z_{Rho}	0.0009	Prob Z_{Tau}	0.0015

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	-0.4574	AR(1) coefficient	-0.4020
Standard error	0.1754	Standard error	0.1350
t-statistic	-2.6084	t-statistic	-2.9781
Probability t	0.0122	Durbin-Watson	2.0714

Estimated incremental annual growth rate: (1.817%)

H_0: $\mu = 0$, Reject null hypothesis

Forecasted incremental annual growth rate: (1.817%)

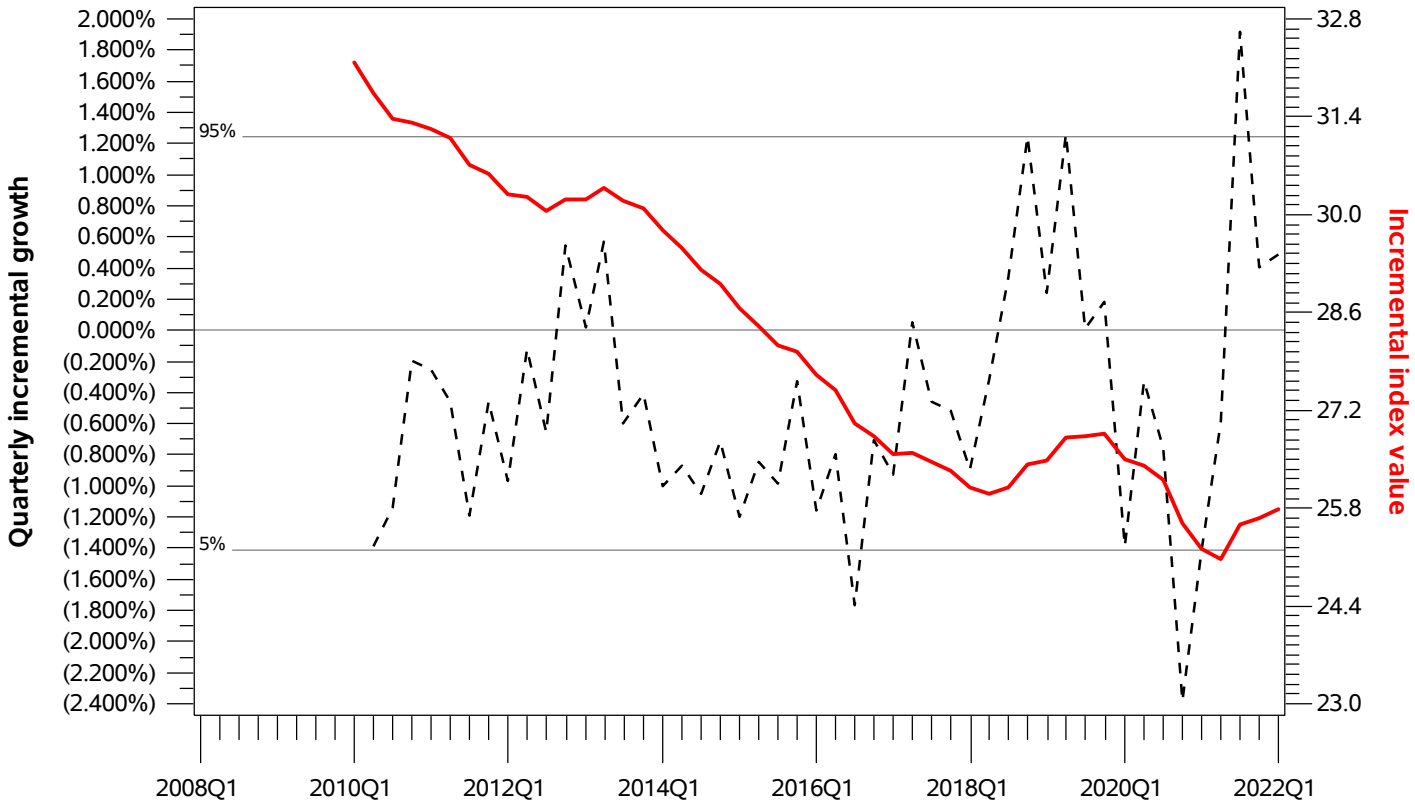


Table 193. CPI-U: Motor vehicle maintenance and repair incremental growth over CPI-U: Services

LABSTAT series identifiers: CUUR0000SETD and CUUR0000SAS
Historical data period: MAR-2007 to DEC-2021 (Quarterly)

Phillips-Perron single mean stationarity test statistic

$$G_t = \mu + \rho G_{t-1} + u_t$$

Z_{Rho}	-13.3030	Z_{Tau}	-2.6307
Prob Z_{Rho}	0.0482	Prob Z_{Tau}	0.0925

H_0: Series contains a unit root, Reject null hypothesis

Yule-Walker Parameter Estimates AR(1)

$$u_t = \varepsilon_t - \psi_1 u_{t-1}$$

	Mean Quarterly Growth Rate %		AR(1) Parameter
Intercept	0.0723	AR(1) coefficient	-0.7526
Standard error	0.1028	Standard error	0.0872
t-statistic	0.7033	t-statistic	-8.6291
Probability t	0.4847	Durbin-Watson	1.9383

Estimated incremental annual growth rate: 0.290%

H_0: $\mu = 0$, Fail to reject null hypothesis

Forecasted incremental annual growth rate: 0.000%

