

Supplementary Table S1. Polynomial regression analysis results for the overall number of referral (before the pandemic)

Regression term	Estimate	Std.Error	p-value
(Intercept)	-21.89	33.41	0.52
Year	37.03	5.92	<0.001
Year ²	-0.95	0.22	<0.001
$R^2 = 0.810$; Adjusted $R^2 = 0.792$; $F=46.8$, $p<0.001$			
MAE=40.766; RMSE=48.118; AIC=272.630; BIC=277.505			

R^2 : Coefficient of determination; Adjusted R^2 : Adjusted coefficient of determination; F: F-statistic (test statistic for overall model significance); MAE: Mean Absolute Error; RMSE: Root Mean Square Error; AIC: Akaike Information Criterion; BIC: Bayesian Information Criterion.

Supplementary Table S2. Polynomial regression analysis results for the overall number of referral (afterward the pandemic).

Regression term	Estimate	Std.Error	p-value
(Intercept)	-152.91	112.523	0.23
Year	199.29	57.37	0.02
Year ²	-18.59	6.22	0.03
$R^2 = 0.757$; Adjusted $R^2 = 0.659$; $F=7.77$, $p=0.029$			
MAE=48.549; RMSE=63.762; AIC=97.185; BIC=97.503			

R^2 : Coefficient of determination; Adjusted R^2 : Adjusted coefficient of determination; F: F-statistic (test statistic for overall model significance); MAE: Mean Absolute Error; RMSE: Root Mean Square Error; AIC: Akaike Information Criterion; BIC: Bayesian Information Criterion.

Supplementary Table S3. Polynomial regression analysis results for the pediatric outpatient clinic referral trends.

Regression term	Estimate	Std.Error	p-value
(Intercept)	3.14	18.46	0.867
Year	8.18	2.58	0.004
Year ²	-0.16	0.08	0.044
$R^2 = 0.475$; Adjusted $R^2 = 0.439$; $F=13.1$, $p<0.001$			
MAE=24.280; RMSE=31.087; AIC=318.768; BIC=324.631			

R^2 : Coefficient of determination; Adjusted R^2 : Adjusted coefficient of determination; F: F-statistic (test statistic for overall model significance); MAE: Mean Absolute Error; RMSE: Root Mean Square Error; AIC: Akaike Information Criterion; BIC: Bayesian Information Criterion.

Supplementary Table S4. Polynomial regression analysis results for the for the neonatology referral trends.

Regression term	Estimate	Std.Error	p-value
(Intercept)	-43.65	17.38	0.018
Year	12.71	2.43	<0.001
Year ²	-0.26	0.07	0.001
$R^2 = 0.690$; Adjusted $R^2 = 0.669$; $F=32.26$, $p<0.001$			
MAE=22.099; RMSE=29.274; AIC=314.922; BIC=320.785			

R^2 : Coefficient of determination; Adjusted R^2 : Adjusted coefficient of determination; F: F-statistic (test statistic for overall model significance); MAE: Mean Absolute Error; RMSE: Root Mean Square Error; AIC: Akaike Information Criterion; BIC: Bayesian Information Criterion.