Astrology was once looked to in the prediction of illness and death of princes, kings, and popes during the Italian Renaissance.¹ There remains a large preponderance in our society as well as Indian and Chinese communities on the reality of astrological influence on our actions, personalities and health.² Zodiac signs are typified by certain qualities i.e. obsessive-compulsive traits to Libras and Virgos or the highly social traits to Leos and Geminis.³

We investigate if zodiac signs predict infections risk or mortality in COVID.

**INTRODUCTION**

This retrospective, single-center cohort study of 2,545 adult patients with PCR confirmed COVID presenting to the emergency room in Southern California over 14 months (Sep 2020- Nov 2021).

Western and Chinese Zodiac signs were calculated using date of birth (Figure 1 & Figure 2).

Both Zodiac signs were evaluated for risk of infection and risk of death. Analysis was performed with a 12 sample test for equality of proportions to explore the various astrological designations of individuals and describe if there may be a variation in COVID mortality.

**METHODS**

The political uses of astrology: predicting the illness and death of princesses, kings and popes during the Italian Renaissance.¹

There remains a large preponderance in our society as well as Indian and Chinese communities on the reality of astrological influence on our actions, personalities and health.²

Zodiac signs are typified by certain qualities i.e. obsessive-compulsive traits to Libras and Virgos or the highly social traits to Leos and Geminis.³

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**RESULTS**

Analysis of data in our study demonstrated that there was no statistical significance found between Western and Chinese Zodiac signs and mortality or infections.

Our findings were likely due to the fact that in reality, there is no association between astrological signs and medical complications. This finding is consistent with numerous negative studies that have failed to find an association of astrology and personality traits.⁴

There was an increase in mortality when age⁵ was analyzed using logistic regression associated with COVID mortality, demonstrating increased mortality with increased age, estimated as a 6% increased chance of dying with each additional year of life. It is also possible that the risk of infection and correlation with Zodiac sign diminished with time as the prevalence of infection increased.

**REFERENCES**


2) Jung SA, Yang CS. Relations between Eastern four pillars theory and Western measures of personality traits. Yonsei Med J. 2015 May;56(3):698-704. doi: 10.3349/ymj.2015.56.3.698. PMID: 25837175; PMCID: PMC4397439


**DISCUSSION**


Chinese Zodiac

Western Zodiac

Fig 1: Based off the Chinese calendar that assigns an animal and its reputed attributes to each year in a repeating 12 year cycle.

Fig 2: Named after constellations matched with dates based on the apparent relationship between their placement in the sky and the sun.

Graphs 1,2: The test’s null hypothesis was that all 12 proportions were equal, and the corresponding alternative hypothesis was that at least one of the twelve proportions was different. The test statistic had a p-value = 0.16. Zodiac signs did not affect mortality.