

Shu-Yuan Chen 's CURRICULUM VITAE :

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Education: (教育)

1992- 1998	Ph.D., Epidemiology	National Taiwan University, Taipei, Taiwan, (國立臺灣大學)
1989- 1991	M.S., Public Health	National Taiwan University, Taipei, Taiwan, (國立臺灣大學)
1985- 1989	B.S., Public Health	National Taiwan University, Taipei, Taiwan, (國立臺灣大學)

Teaching Experience and Research: (教學經歷和研究)

2004-present Associate Professor (副教授)
Department of Public Health (公共衛生學系)
Graduate Institute of Medicine (醫學院)
Tzu Chi University, Hualien, Taiwan (慈濟大學, 台灣)

- 2001-2004 Assistant Investigator (助研究員)
Division of Biostatistics and Bioinformatics (生物統計暨生物資訊組)
National Health Research Institute, Taipei, Taiwan
(國家衛生研究院, 台北, 台灣)
- 1998-2001 Postdoctoral Research Scientist (博士後研究科學者)
Department of Environmental Health Sciences, (環境衛生科學研究所)
Mailman School of Public Health, Columbia University, New York, USA
(公共衛生學院, 哥倫比亞大學, 紐約, 美國)

Research Interests (研究興趣)

- Population-based studies (族群為基礎的研究)
- Long term care studies (長期照護研究)
- Aging studies (老化研究)
- Environmental exposure and health (環境暴露和健康)
- Physical activity and health (運動和健康)

Publications:

1. **Chen, S.Y.*** Trends and annual percentage changes in tuberculosis mortality estimated by Joinpoint regression and age-period-cohort analyses, Taiwan, 1978-2022. *Sci Rep* 14(1): 29101 – 10, 2024. doi: 10.1038/s41598-024-80343-z
2. Lin, Y.L., Liou, H.H., Wang, C.H., Lai, Y.H., Kuo, C.H., **Chen, S.Y.***, Hsu, B.G.** Impact of sarcopenia and its diagnostic criteria on hospitalization and mortality in chronic hemodialysis patients: A 3-year longitudinal study. *J Formos Med Assoc* 119: 1219-29, 2020.
3. Lin, Y.L., **Chen, S.Y.**, Lai, Y.H., Wang, C.H., Kuo, C.H., Liou, H.H.** , Hsu, B.G.* Serum creatinine to cystatin C ratio predicts skeletal muscle mass and strength in patients with non-dialysis chronic kidney disease. *Clin Nutr* 39: 2435 – 41, 2020.
4. Lin, Y.L., **Chen, S.Y.**, Lai, Y.H., Wang, C.H., Kuo, C.H., Liou, H.H.* , Hsu, B.G.* Angiotensin II receptor blockade is associated with preserved muscle strength in chronic hemodialysis patients. *BMC Nephrol* 20(1):54-60, 2019.
5. Lin, Y.L., Liou, H.H., Lai, Y.H., Wang, C.H., Kuo, C.H., **Chen, S.Y.***, Hsu, B.G.**. Decreased serum fatty acid binding protein 4 concentrations are associated with sarcopenia in chronic hemodialysis patients. *Clin Chim Acta.* 485:113 – 8, 2018.
6. Cheng, K.Y., **Chen, S.Y.**, Lin, C.Y. Mortality among patients with schizophrenia and vocational rehabilitation program services under Taiwan's psychiatric care reform. *Int J Ment Health Syst.* 10:32, 2016.
7. Cheng, K.Y., Lin, C.Y., Chang, T.K., Lin, C.C.H., Lu, T.H., **Chen, S.Y.*** Mortality among long-stay patients with schizophrenia during the setting-up of community facilities under the Yuli model. *Health Psychol Behav Med.* 2(1): 602 – 12, 2014.
8. Hsu, W.L., Chien, Y.C., Chiang, C.J., Yang, H.I., Lou, P.J., Wang, C.P., Yu, K.J., You, S.L., Wang, L.Y., **Chen, S.Y.**, Yang, C.S., Chen, C.J. Lifetime risk of distinct upper aerodigestive tract cancers and consumption of alcohol, betel and cigarette. *Int J Cancer.* 135(6):1480-6, 2014.
9. Lee, M.H., Yang, H.I., Lu, S.N., Jen, C.L., You, S.L., Wang, L.Y., L'Italien, G,

- Chen, C.J., Yuan, Y.; **REVEAL-HCV Study Group**. Hepatitis C virus genotype 1b increases cumulative lifetime risk of hepatocellular carcinoma. *Int J Cancer*. 135(5):1119-26, 2014.
10. Liu, J., Yang, H.I., Lee, M.H., Lu, S.N., Jen, C.L., Batrla-Utermann, R., Wang, L.Y., You, S.L., Hsiao, C.K., Chen, P.J., Chen, C.J.; **R.E.V.E.A.L.-HBV Study Group**. Spontaneous seroclearance of hepatitis B seromarkers and subsequent risk of hepatocellular carcinoma. *Gut*. 63(10):1648-57, 2014.
 11. Lee, M.H., Yang, H.I., Liu, J., Batrla-Utermann, R., Jen, C.L., Iloeje, U.H., Lu, S.N., You, S.L., Wang, L.Y., Chen, C.J.; **R.E.V.E.A.L.-HBV Study Group**. Prediction models of long-term cirrhosis and hepatocellular carcinoma risk in chronic hepatitis B patients: risk scores integrating host and virus profiles. *Hepatology*. 58(2):546-54, 2013.
 12. Chung, C.J., Huang, Y.L., Huang, Y.K., Wu, M.M., **Chen, S.Y.**, Hsueh, Y.M., Chen, C.J. Urinary arsenic profiles and the risks of cancer mortality: a population-based 20-year follow-up study in arseniasis-endemic areas in Taiwan. *Environ Res*. 122:25-30, 2013.
 13. Chiang, C.H., Yang, H.I., Jen, C.L., Lu, S.N., Wang, L.Y., You, S.L., Su, J., Iloeje, U.H., Chen, C.J.; **REVEAL-HBV Study Group**. Association between obesity, hypertriglyceridemia and low hepatitis B viral load. *Int J Obes (Lond)*. 37(3):410-5, 2013.
 14. Yang, H.I., Hung, H.L., Lee, M.H., Liu, J., Jen, C.L., Su, J., Wang, L.Y., Lu, S.N., You, S.L., Iloeje, U.H., Chen, C.J.; Risk Evaluation of Viral Load Elevation and Associated Liver Disease/Cancer-HBV (**REVEAL-HBV**) Study Group. Incidence and determinants of spontaneous seroclearance of hepatitis B e antigen and DNA in patients with chronic hepatitis B. *Clin Gastroenterol Hepatol*. 10(5):527-34.e1-2, 2012.
 15. Lee, M.H., Yang, H.I., Jen, C.L., Lu, S.N., Yeh, S.H., Liu, C.J., You, S.L., Sun, C.A., Wang, L.Y., Chen, W.J., Chen, C.J.; **R.E.V.E.A.L.-HCV Study Group**. Community and personal risk factors for hepatitis C virus infection: a survey of 23,820 residents in Taiwan in 1991-2. *Gut*. 60(5):688-94, 2011.
 16. **Chen, S.Y.**: Stomach cancer. In: Chen, C.J: Cancers in Taiwan, epidemiological

characteristics and prevention strategies. Taipei: Shan Young Tau Cancer Prevention Foundation Press; 2010

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exposure and cancer – a community-based case-control study in an endemic area of blackfoot disease. *J. Natl. Public Health Assoc. (ROC)* 12:1-9, 1993.

Abstracts

1. Cheng, K.Y., Lu, T.H., **Chen, S.Y.**, Lin, C.Y. (2013). Hospital-treat physical illness and avoidable mortality in the long-stay patients with schizophrenia under the different smoking-allowed settings: an 11-year retrospective follow-up study. *Taiwan Psychiatry Association, Annular Congress* (p.) .
2. Cheng, K.Y., **Chen, S.Y.**, Lin, C.Y. (2011). Mortality among Long-Stay Schizophrenic Patients in the Establishment of Community Facilities in Yuli Model. *World Psychiatry Association, Asian Regional Congress* (p.)
3. Cheng, K.Y., **Chen, S.Y.**, Lin, C.Y. (2011). The mortality of long-stay schizophrenic patients during the development of vocational rehabilitation in Yuli model. *International Federation Psychiatric Epidemiology XIII* (p.)
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10. Zhang, Y. J., Chen, Y., Ahsan, H., Lunn, R. M., **Chen, S. Y.**, Lee, P. H., Chen, C. J., Santella, R. M. Silencing of glutathione S-transferase P1 by promoter hypermethylation and its relationship to environmental chemical carcinogens in hepatocellular carcinoma. Proc. Am. Assoc. Cancer Res., 45:41, 2004 (abstract).
11. **Chen, S. Y.**, Yang, C. S., Lin, J. T., and Chen, C. J. Risk factors of stomach cancer in Taiwan from a cohort study. Proc. Am. Assoc. Cancer Res., 43:2838, 2002 (abstract).
12. **Chen, S. Y.**, Chen, C. J., Zhang, Y. J., Tsai, W. Y., Ahsan, H., Lee, P. H., Lee, C. S., and Santella, R. M. PAH-DNA adducts in liver tissues of HCC cases and controls. Proc. Am. Assoc. Cancer Res., 42: 3569, 2001 (abstract).
13. **Chen, S. Y.**, Chen, C. J., Tsai, W. Y., Ahsan, H., Liu, T. Y., Lin, J. T., and Santella, R. M. Aflatoxin B₁-albumin adducts, hepatitis B surface antigen, selenium, and micronutrients in Matzu, Taiwan, an area of high hepatocellular carcinoma mortality. Proc. Am. Assoc. Cancer Res., 41:159, 2000 (abstract).
14. **Chen, S. Y.**, Liu, T. Y., Lin, J. T., and Chen, C. J. Risk factors of intestinal metaplasia in Matzu, Taiwan, isolated islets with high stomach cancer mortality. Proc. Am. Assoc. Cancer Res., 40:1608, 1999 (abstract).