**Supplemental Table 1**. Multivariable-adjusted PR (95% CIs) for the multiplicative interaction effect of famine exposure and dietary patterns on the chronic disease

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Diabetes | Hypertension | Hypercholesterolemia | Hypertriglyceridemia | Obesity | Fatty liver |
| PR (95% CI) | PR (95% CI) | PR (95% CI) | PR (95% CI) | PR (95% CI) | PR (95% CI) |
| Pattern 1 | 1**·**78 (0**·**25, 12**·**62) | 1**·**73 (0**·**24, 12**·**27) | 1**·**33 (0**·**19, 9**·**46) | 1**·**06 (0**·**44, 7**·**23) | 0**·**35 (0**·**05, 2**·**49) | 2**·**65 (0**·**37, 18**·**78) |
| Exposure | 4**·**77 (0**·**67, 33**·**85) | 1**·**21 (0**·**17, 8**·**57) | 1**·**19 (0**·**17, 8**·**46) | 0**·**90 (0**·**40, 5**·**47) | 0**·**43 (0**·**06, 3**·**08) | 1**·**80 (0**·**25, 12**·**81) |
| Pattern 1 by exposure | 0**·**43 (0**·**11, 1**·**70) | 0**·**86 (0**·**38, 1**·**93) | 0**·**85 (0**·**24, 2**·**96) | 0**·**33 (0**·**10, 1**·**10) | 1**·**66 (0**·**52, 5**·**33) | 0**·**56 (0**·**26, 1**·**22) |
| *P*interaction | 0**·**231 | 0**·**709 | 0**·**805 | 0**·**072 | 0**·**395 | 0**·**144 |
| Pattern 2 | 1**·**78 (1**·**22, 2**·**00) | 1**·**17 (0**·**59, 4**·**61) | 2**·**03 (1**·**34, 3**·**65) | 1**·**56 (1**·**15, 7**·**49) | 2**·**49 (1**·**21, 7**·**71) | 2**·**95 (1**·**02, 6**·**93) |
| Exposure | 2**·**06 (0**·**92, 4**·**09) | 1**·**98 (0**·**28, 14**·**08) | 1**·**12 (0**·**78, 3**·**78) | 0**·**74 (0**·**10, 5**·**23) | 1**·**16 (0**·**16, 8**·**27) | 1**·**13 (0**·**16, 8**·**05) |
| Pattern 2 by exposure | 1**·**99 (0**·**53, 7**·**39) | 0**·**62 (0**·**27, 1**·**42) | 1**·**47 (0**·**42, 5**·**16) | 1**·**29 (0**·**39, 4**·**23) | 0**·**85 (0**·**26, 2**·**81) | 0**·**76 (0**·**35, 1**·**68) |
| *P*interaction | 0**·**12 | 0**·**26 | 0**·**38 | 0**·**674 | 0**·**792 | 0**·**501 |
| Pattern 3 | 0**·**75 (0**·**11, 5**·**30) | 1**·**62 (0**·**23, 11**·**49) | 0**·**42 (0**·**06, 2**·**96) | 2**·**28 (0**·**32, 16**·**17) | 0**·**63 (0**·**09, 4**·**44) | 0**·**39 (0**·**06, 2**·**75) |
| Exposure | 1**·**08 (0**·**15, 7**·**63) | 1**·**32 (0**·**19, 9**·**40) | 0**·**43 (0**·**06, 3**·**04) | 2**·**52 (0**·**36, 17**·**87) | 0**·**52 (0**·**07, 3**·**71) | 0**·**54 (0**·**08, 3**·**86) |
| Pattern 3 by exposure | 1**·**27 (0**·**35, 4**·**66) | 0**·**81 (0**·**36, 1**·**81) | 1**·**70 (0**·**48, 5**·**97) | 0**·**57 (0**·**18, 1**·**86) | 0**·**37 (0**·**11, 1**·**21) | 0**·**69 (0**·**32, 1**·**50) |
| *P*interaction | 0**·**719 | 0**·**605 | 0**·**409 | 0**·**352 | 0**·**547 | 0**·**306 |
| Pattern 4 | 2**·**05 (1**·**42, 3**·**38) | 3**·**56 (0**·**95, 13**·**32) | 1**·**87 (0**·**26, 13**·**25) | 0**·**64 (0**·**09, 4**·**43) | 1**·**58 (0**·**22, 11**·**22) | 2**·**26 (0**·**32, 16**·**01) |
| Exposure | 2**·**72 (1.23, 4**·**93) | 2**·**26 (0**·**61, 8**·**43) | 1**·**29 (0**·**18, 9**·**14) | 0**·**39 (0**·**05, 2**·**73) | 1**·**67 (0**·**24, 11**·**82) | 1**·**12 (0**·**16, 7**·**95) |
| Pattern 4 by exposure | 0**·**34 (0**·**08, 1**·**42) | 0**·**57 (0**·**25, 1**·**28) | 0**·**81 (0**·**23, 2**·**86) | 1**·**92 (0**·**57, 6**·**40) | 0**·**66 (0**·**21, 2**·**10) | 0**·**76 (0**·**35, 1**·**67) |
| *P*interaction | 0**·**141 | 0**·**171 | 0**·**744 | 0**·**291 | 0**·**485 | 0**·**500 |

PR: Prevalence ratio.

Pattern 1: Healthy dietary pattern, Pattern 2: High-fat and-salt dietary pattern, Pattern 3: Western dietary pattern, Pattern 4: Traditional Chinese dietary pattern.

*P*interaction: *P* for interaction on a multiplicative scale (the one degree of freedom test).

Adjustment for gender, education level, activity intensity, smoking status, drinking, per capita income, residence place and disease family history factors.