

Supplemental Material

Modeled PFOA Exposure and Coronary Artery Disease, Hypertension, and High Cholesterol in Community and Worker Cohorts

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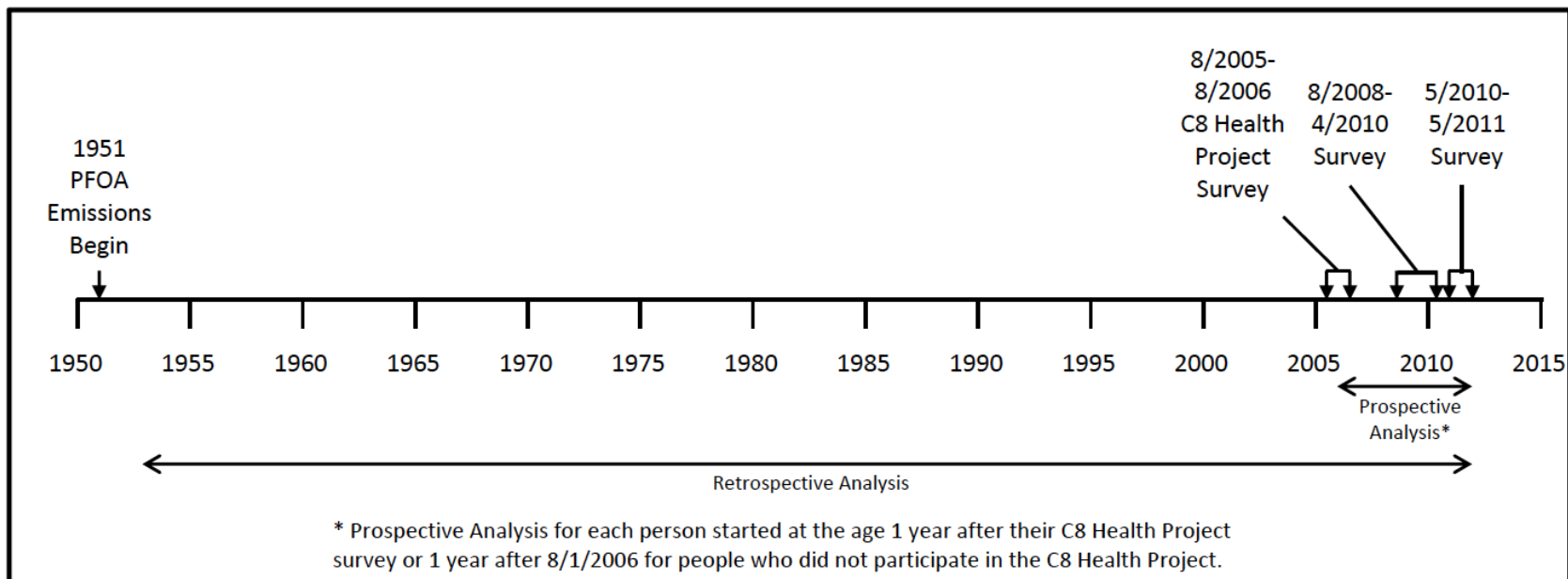


Figure S1. Timing of surveys and time periods covered by retrospective and prospective analyses.

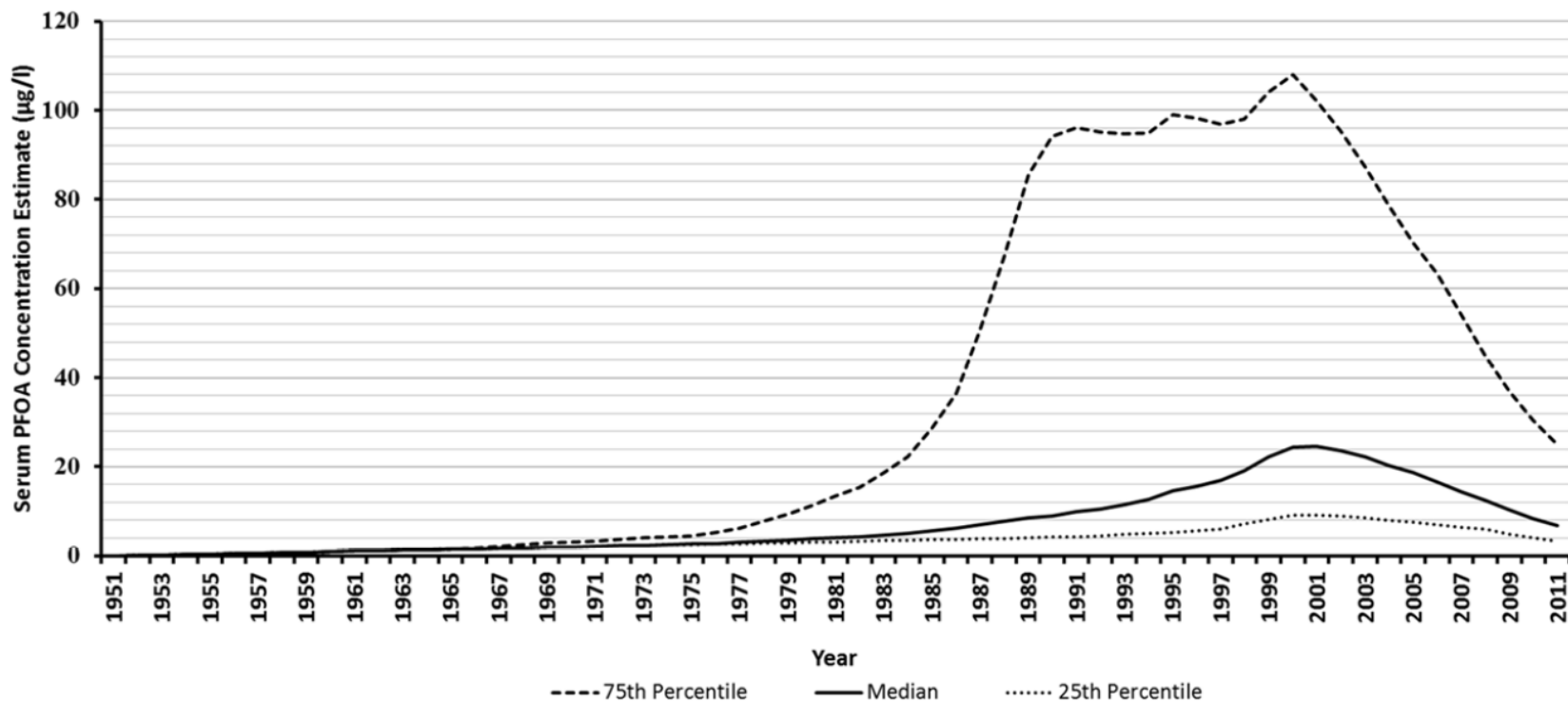


Figure S2. Retrospective Serum PFOA concentration estimates.

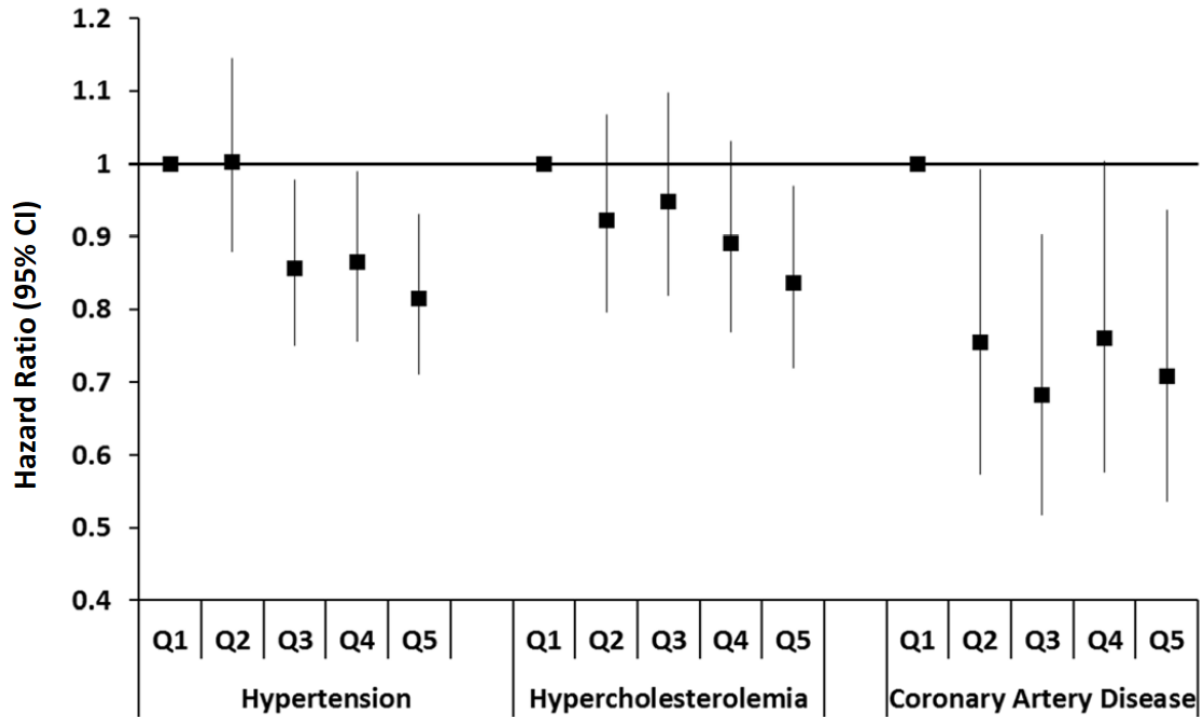


Figure S3. HR and 95% CI for prospective analysis, combined cohorts, cumulative exposure with Bayesian calibration, all ages, both genders. Quintile cut points (in $\mu\text{g}/\text{ml}\cdot\text{yr}$) were: hypertension: <0.213 , $0.213-<0.349$, $0.349-<0.673$, $0.673-<1.823$, ≥ 1.823 ; hypercholesterolemia: <0.215 , $0.215-<0.352$, $0.352-<0.656$, $0.656-<1.763$, ≥ 1.763 ; coronary artery disease: <0.218 , $0.218-<0.396$, $0.396-<0.775$, $0.775-<2.143$, ≥ 2.143 . Models were stratified by single-year birth year and controlled for gender and the interaction between gender and age. Models also controlled for years of schooling (not time-varying; <12 years, high school diploma/GED, some college, or bachelor's degree or higher), race (white vs. non-white or missing), smoking (time-varying; current, former, none), smoking duration (time varying), smoking pack years (time-varying linear term created by multiplying the self-reported number of packs smoked per day by the smoking duration to that point), regular alcohol consumption (time-varying; current, former, none), BMI (at time of first study survey; underweight, normal, overweight, obese), and self-reported type 2 diabetes (time-varying according to reported age at diagnosis).

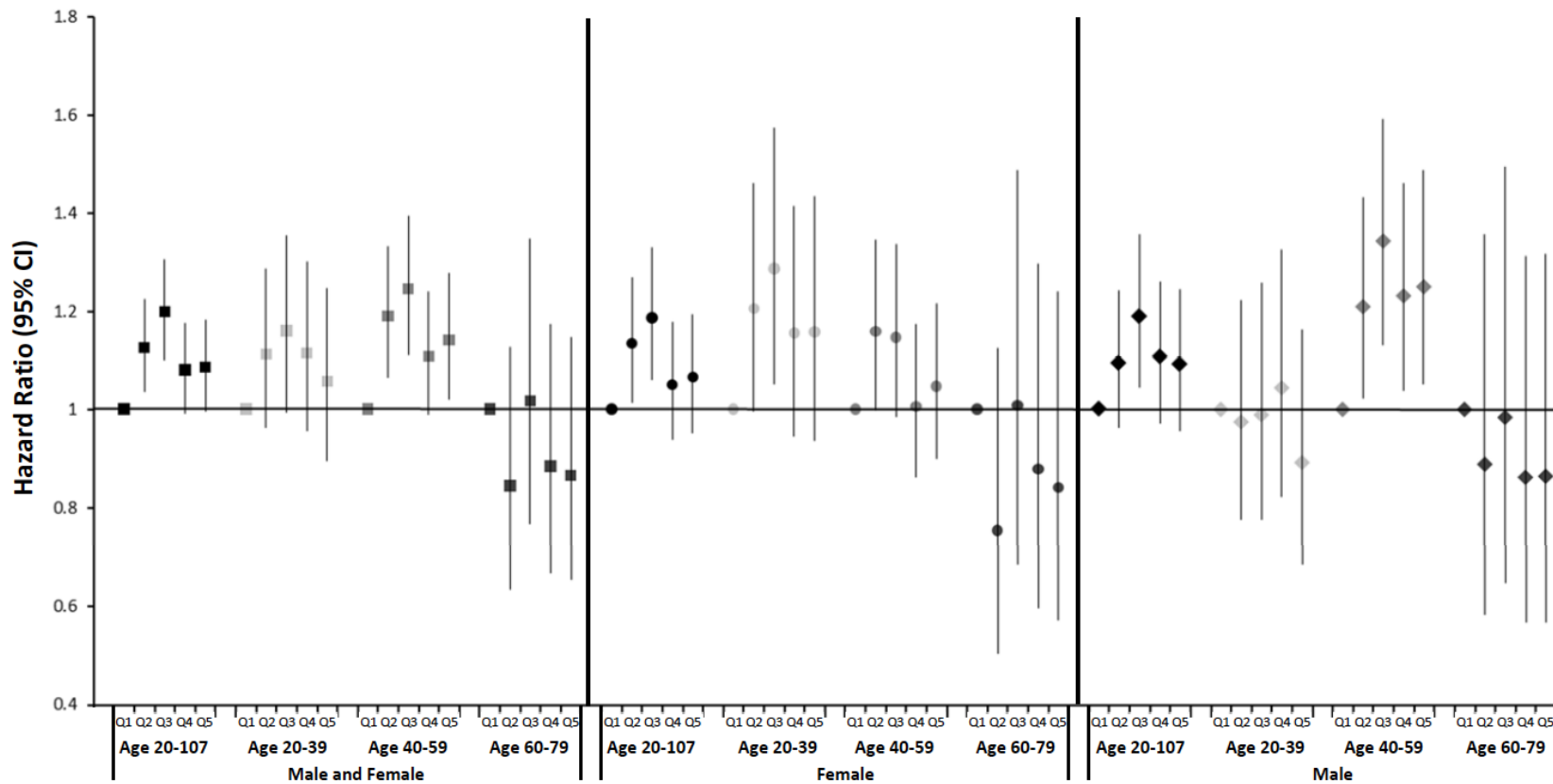


Figure S4. HR and 95% CI for hypertension, retrospective analysis, cumulative exposure, community cohort only. Models were stratified by single-year birth year and were either stratified by gender or controlled for gender and the interaction between gender and age. Models also controlled for years of schooling (not time-varying; <12 years, high school diploma/GED, some college, or bachelor’s degree or higher), race (white vs. non-white or missing), smoking (time-varying; current, former, none), smoking duration (time varying), smoking pack years (time-varying linear term created by multiplying the self-reported number of packs smoked per day by the smoking duration to that point), regular alcohol consumption (time-varying; current, former, none), BMI (at time of first study survey; underweight, normal, overweight, obese), and self-reported type 2 diabetes (time-varying according to reported age at diagnosis).

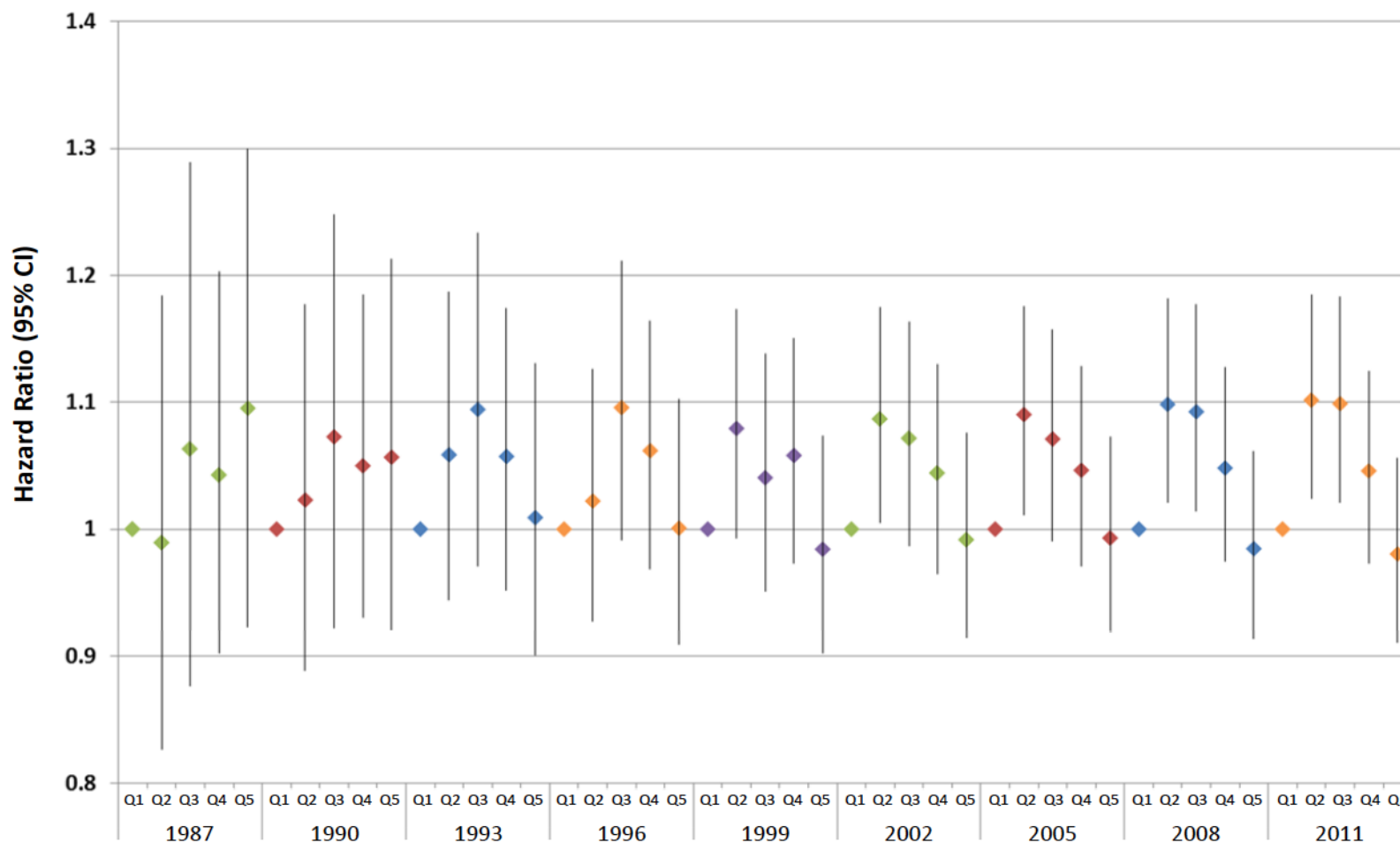


Figure S5. HR and 95% CI for hypertension, retrospective analysis, cumulative exposure, combined cohorts, both genders, all ages, varying end year. Models were stratified by single-year birth year and controlled for gender and the interaction between gender and age. Models also controlled for years of schooling (not time-varying; <12 years, high school diploma/GED, some college, or bachelor’s degree or higher), race (white vs. non-white or missing), smoking (time-varying; current, former, none), smoking duration (time varying), smoking pack years (time-varying linear term created by multiplying the self-reported number of packs smoked per day by the smoking duration to that point), regular alcohol consumption (time-varying; current, former, none), BMI (at time of first study survey; underweight, normal, overweight, obese), and self-reported type 2 diabetes (time-varying according to reported age at diagnosis).

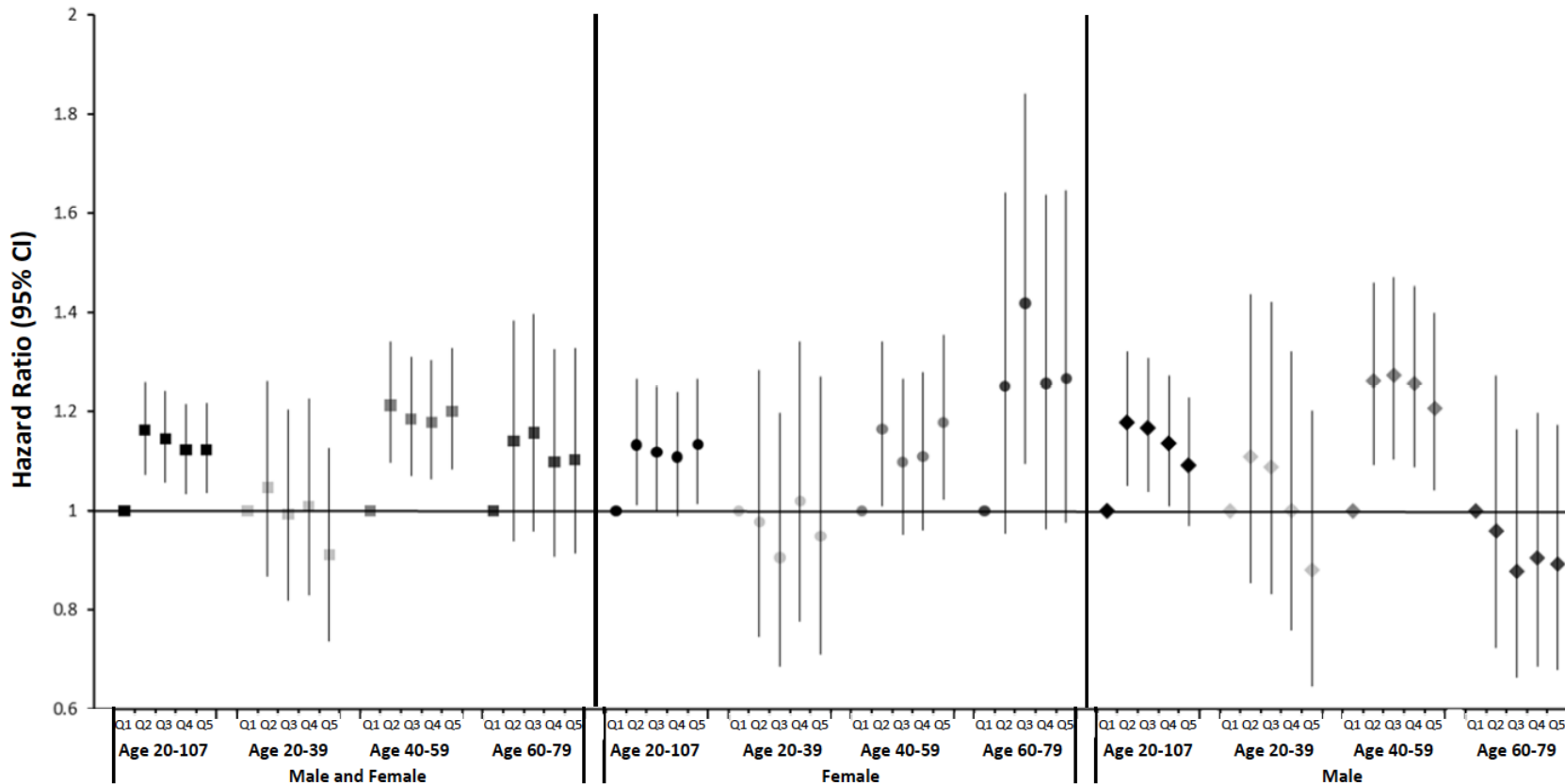


Figure S6. HR and 95% CI for hypercholesterolemia, retrospective analysis, cumulative exposure, community cohort only. Models were stratified by single-year birth year and were either stratified by gender or controlled for gender and the interaction between gender and age. Models also controlled for years of schooling (not time-varying; <12 years, high school diploma/GED, some college, or bachelor’s degree or higher), race (white vs. non-white or missing), smoking (time-varying; current, former, none), smoking duration (time varying), smoking pack years (time-varying linear term created by multiplying the self-reported number of packs smoked per day by the smoking duration to that point), regular alcohol consumption (time-varying; current, former, none), BMI (at time of first study survey; underweight, normal, overweight, obese), and self-reported type 2 diabetes (time-varying according to reported age at diagnosis).

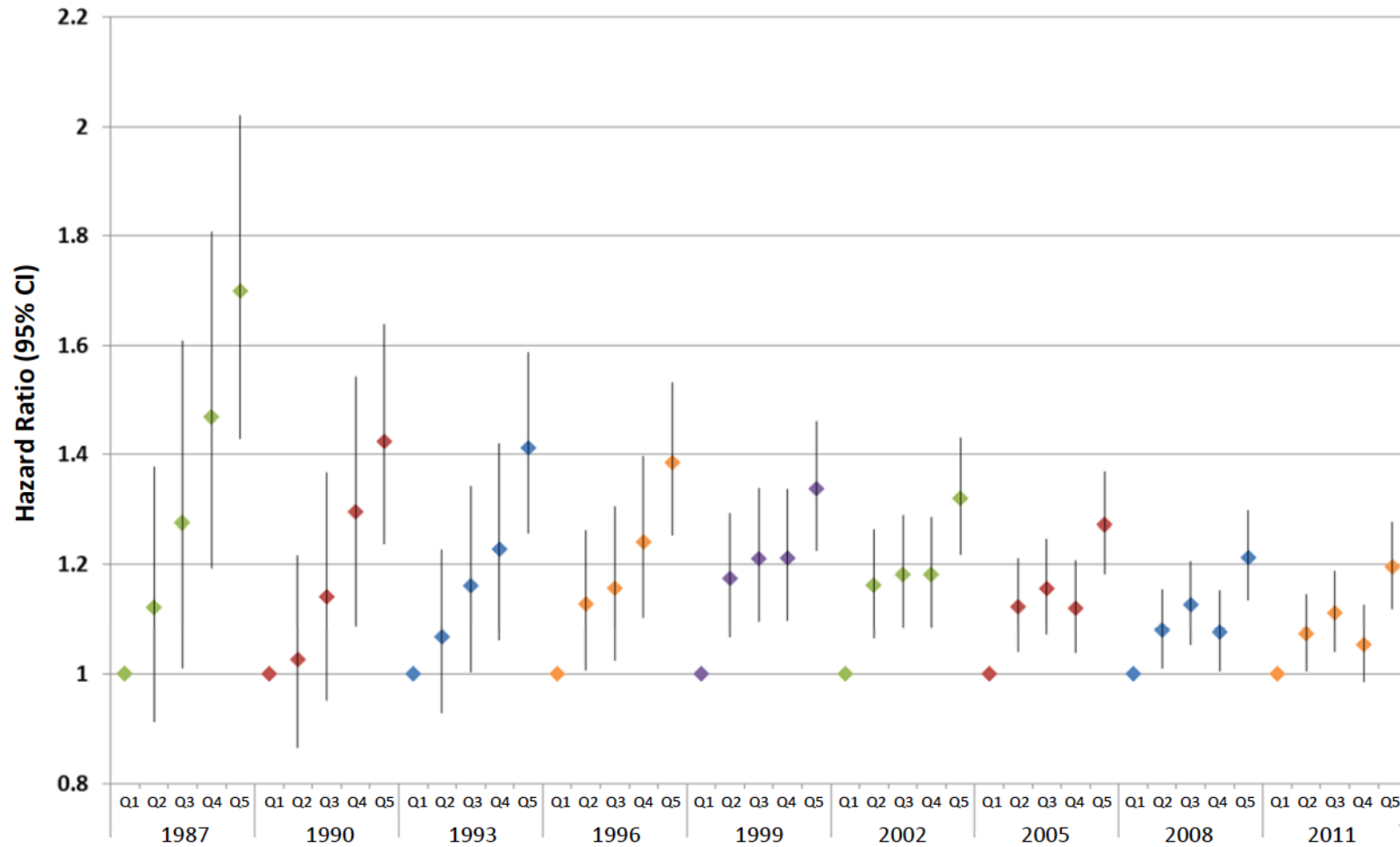


Figure S7. HR and 95% CI for hypercholesterolemia, retrospective analysis, yearly exposure, combined cohorts, both genders, all ages, varying end year. Models were stratified by single-year birth year and controlled for gender and the interaction between gender and age. Models also controlled for years of schooling (not time-varying; <12 years, high school diploma/GED, some college, or bachelor's degree or higher), race (white vs. non-white or missing), smoking (time-varying; current, former, none), smoking duration (time varying), smoking pack years (time-varying linear term created by multiplying the self-reported number of packs smoked per day by the smoking duration to that point), regular alcohol consumption (time-varying; current, former, none), BMI (at time of first study survey; underweight, normal, overweight, obese), and self-reported type 2 diabetes (time-varying according to reported age at diagnosis).

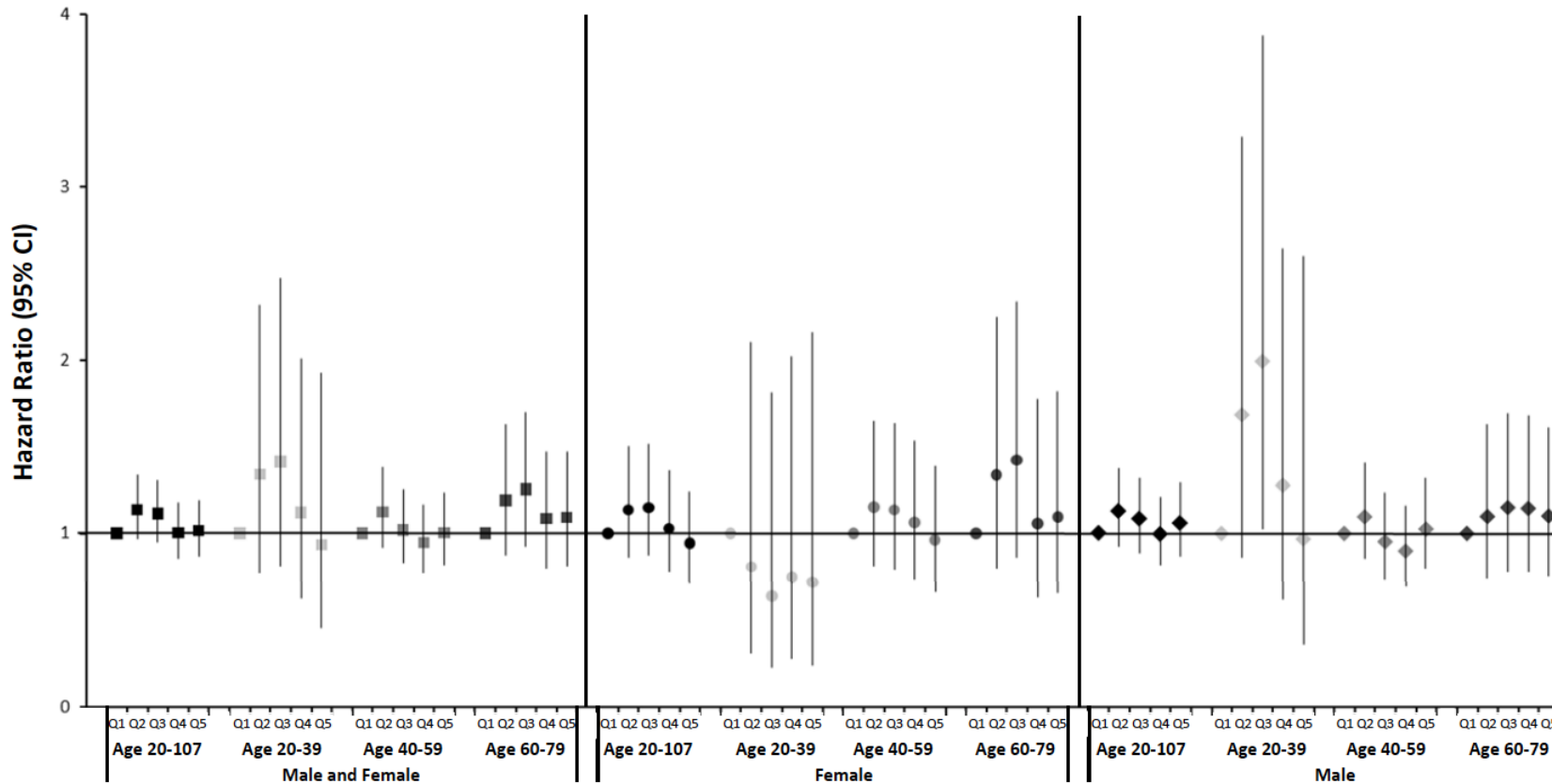


Figure S8. HR and 95% CI for coronary artery disease, retrospective analysis, cumulative exposure, community cohort only. Models were stratified by single-year birth year and were either stratified by gender or controlled for gender and the interaction between gender and age. Models also controlled for years of schooling (not time-varying; <12 years, high school diploma/GED, some college, or bachelor’s degree or higher), race (white vs. non-white or missing), smoking (time-varying; current, former, none), smoking duration (time varying), smoking pack years (time-varying linear term created by multiplying the self-reported number of packs smoked per day by the smoking duration to that point), regular alcohol consumption (time-varying; current, former, none), BMI (at time of first study survey; underweight, normal, overweight, obese), and self-reported type 2 diabetes (time-varying according to reported age at diagnosis).

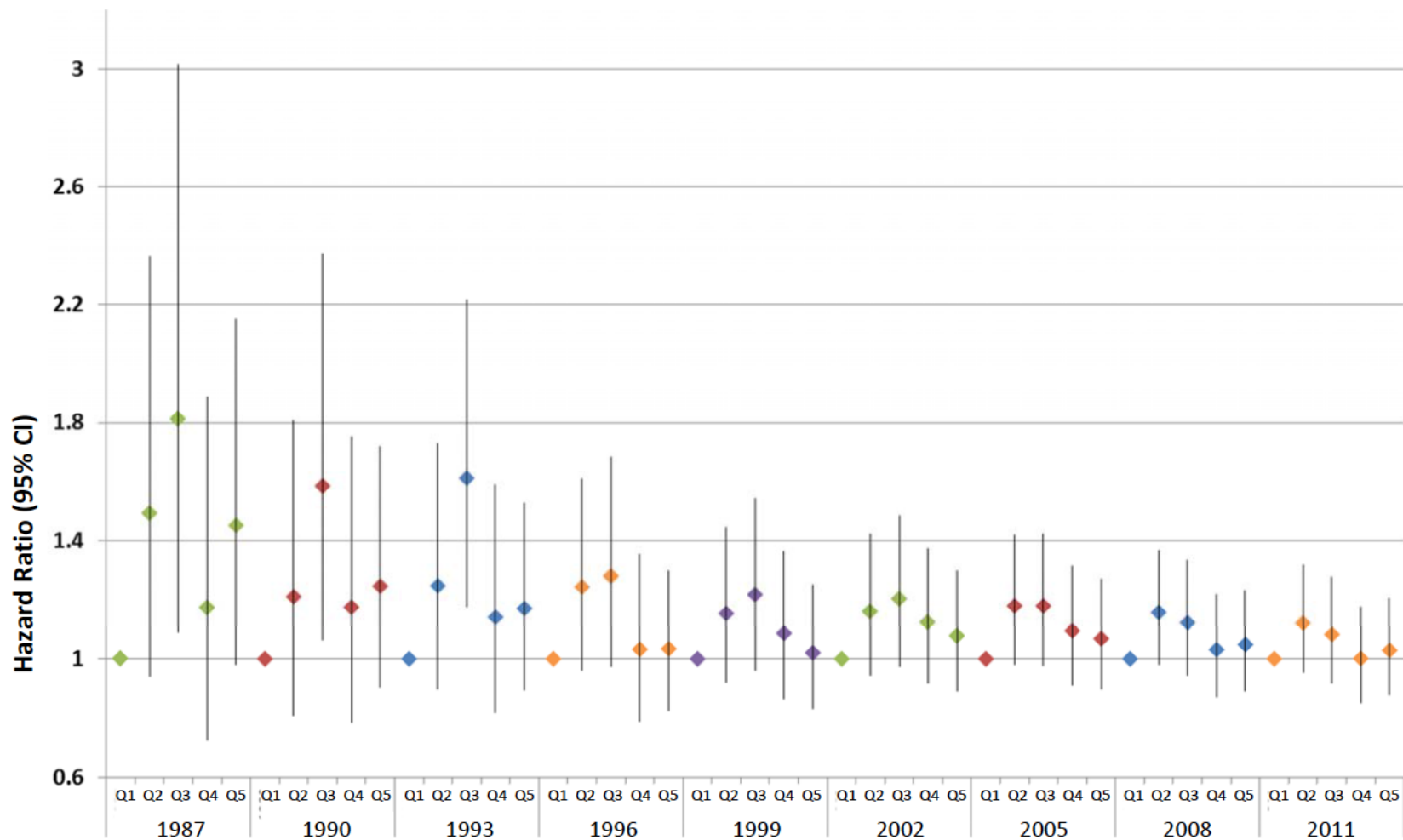


Figure S9. HR and 95% CI for coronary artery disease, retrospective analysis, yearly exposure, combined cohorts, men only, all ages, varying end year. Models were stratified by single-year birth year and were restricted to men. Models controlled for years of schooling (not time-varying; <12 years, high school diploma/GED, some college, or bachelor’s degree or higher), race (white vs. non-white or missing), smoking (time-varying; current, former, none), smoking duration (time varying), smoking pack years (time-varying linear term created by multiplying the self-reported number of packs smoked per day by the smoking duration to that point), regular alcohol consumption (time-varying; current, former, none), BMI (at time of first study survey; underweight, normal, overweight, obese), and self-reported type 2 diabetes (time-varying according to reported age at diagnosis).