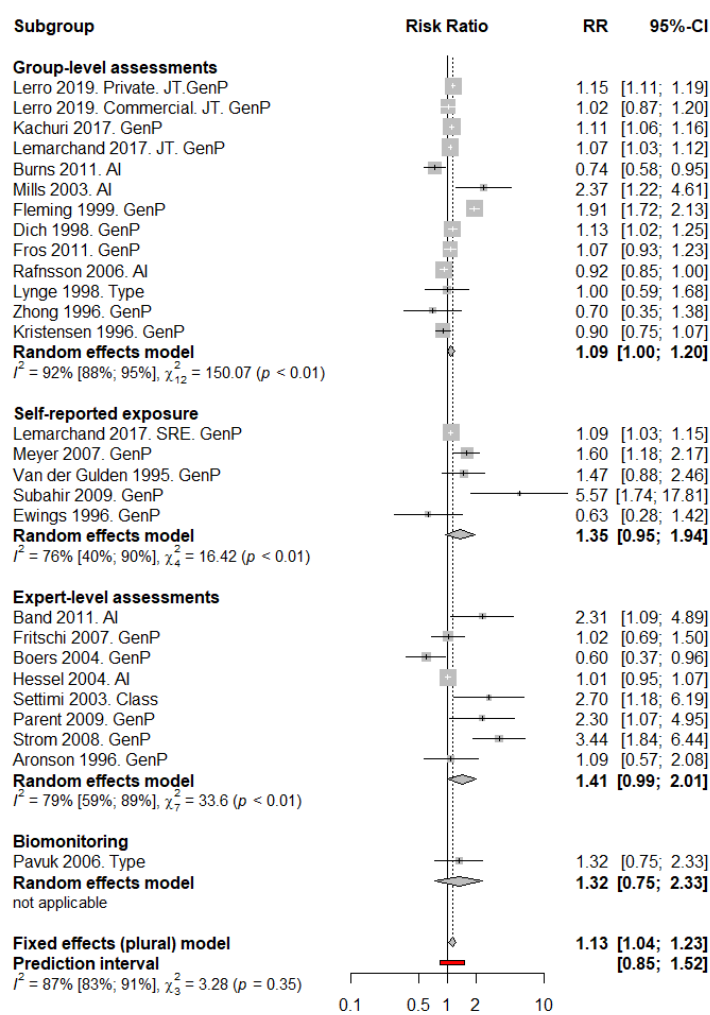
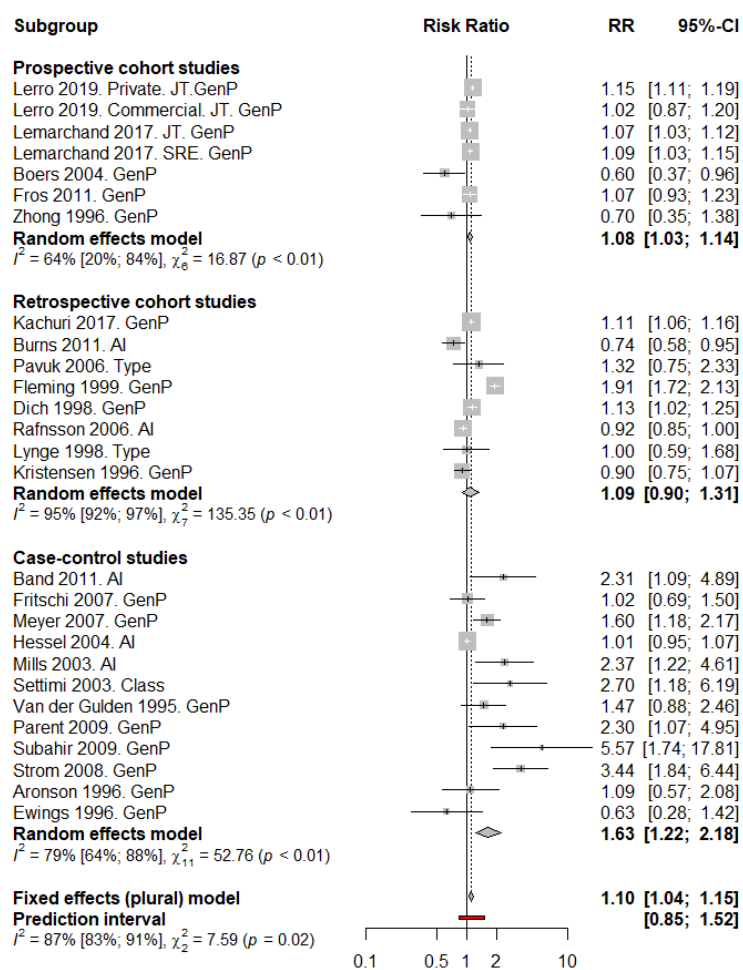


## Supplementary File S3 (figures S3.1-3.12)

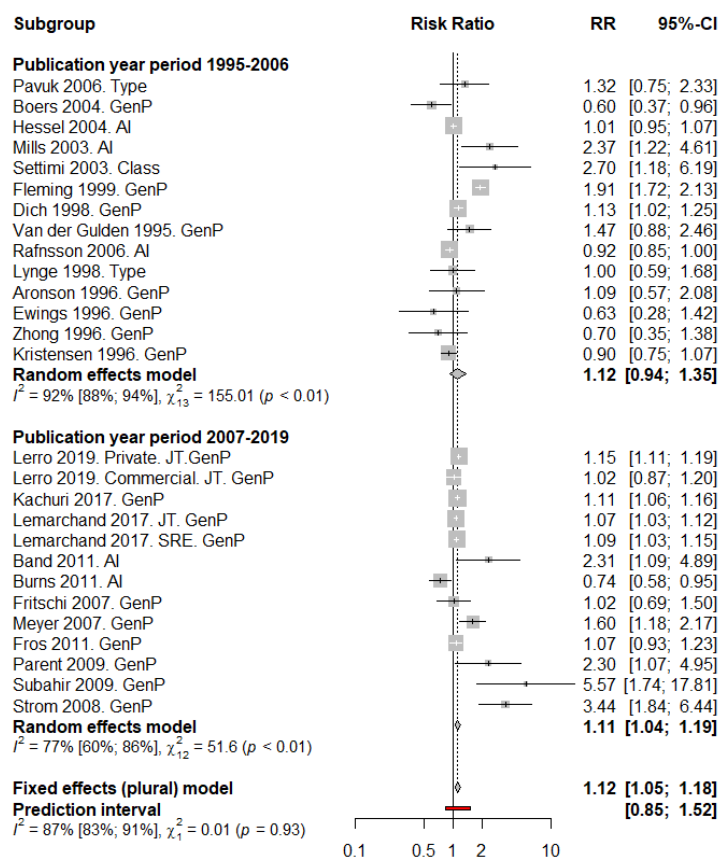
Subgroup-analyses by type of exposure assessment method (EAM), study design, publication year period, and geographic location of the studies.



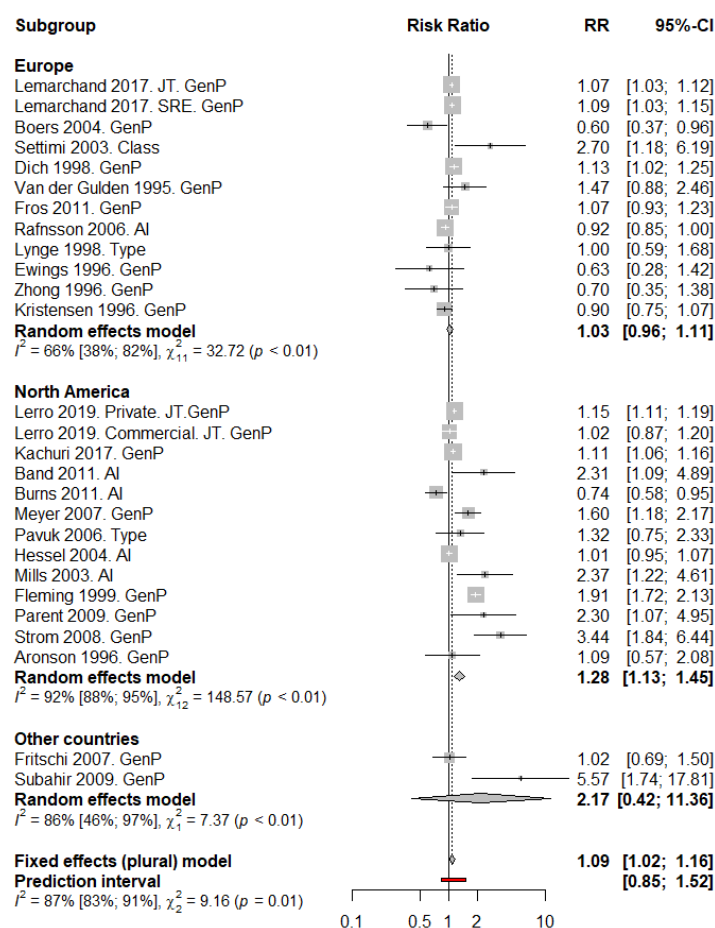
**Figure S3.1.** Summary risk ratios for prostate cancer by EAM type based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1995-2019. RR=relative risk.  $I^2$ =percentage of variation across studies that is due to heterogeneity. JT=job title. SRE=self-reported exposure. GenP=general pesticides. Type=type of pesticide. AI=active ingredient. Private=private pesticide applicator. Commercial=commercial pesticide applicator.



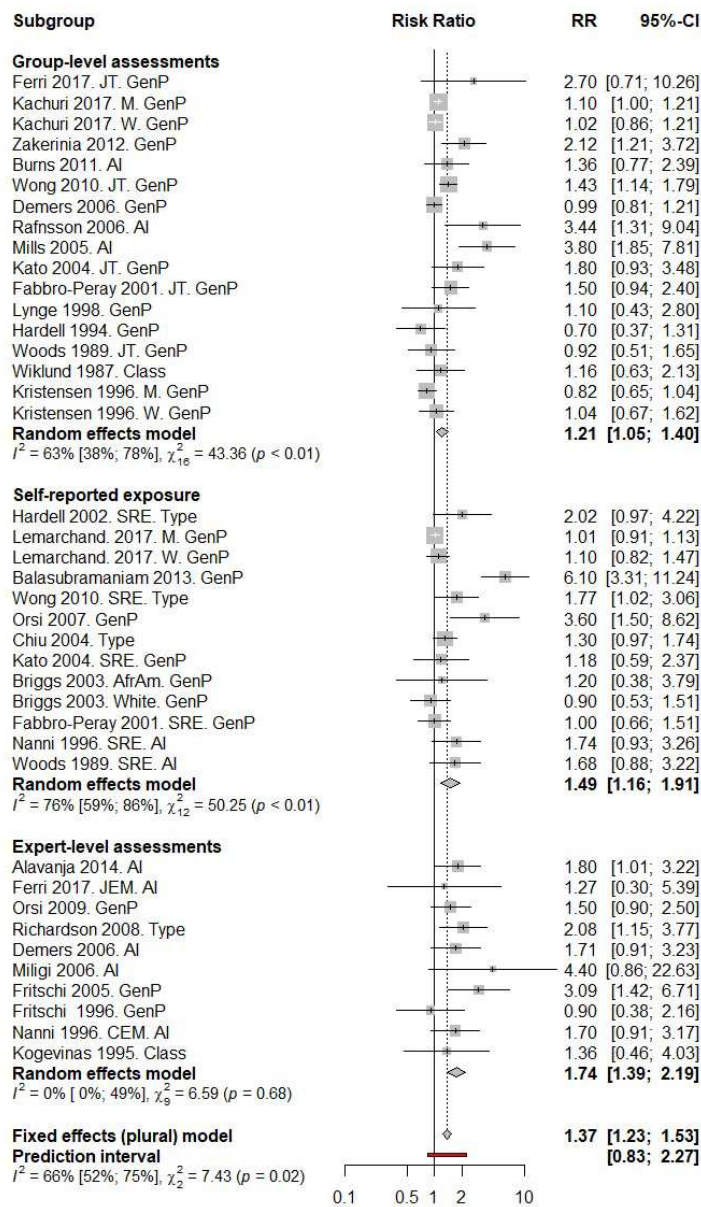
**Figure S3.2.** Summary risk ratios for prostate cancer by study design based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1995-2019. RR=relative risk.  $I^2$ =percentage of variation across studies that is due to heterogeneity. JT=job title. SRE=self-reported exposure. GenP=general pesticides. Type=type of pesticide. AI=active ingredient. Private=private pesticide applicator. Commercial=commercial pesticide applicator.



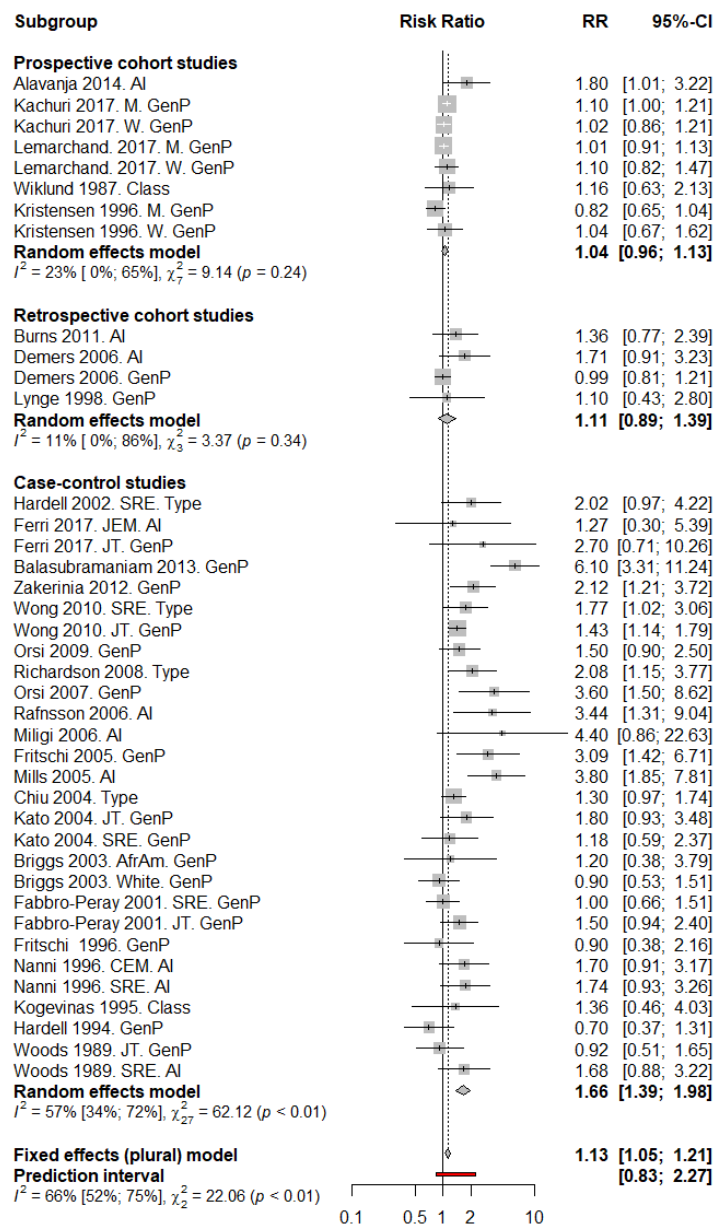
**Figure S3.3.** Summary risk ratios for prostate cancer by publication year period based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1995-2019. RR=relative risk.  $I^2$ =percentage of variation across studies that is due to heterogeneity. JT=job title. SRE=self-reported exposure. GenP=general pesticides. Type=type of pesticide. AI=active ingredient. Private=private pesticide applicator. Commercial=commercial pesticide applicator.



**Figure S3.4.** Summary risk ratios for prostate cancer by geographic location where the study was performed based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1995-2019. RR=relative risk.  $I^2$ =percentage of variation across studies that is due to heterogeneity. JT=job title. SRE=self-reported exposure. GenP=general pesticides. Type=type of pesticide. AI=active ingredient. Private=private pesticide applicator. Commercial=commercial pesticide applicator.

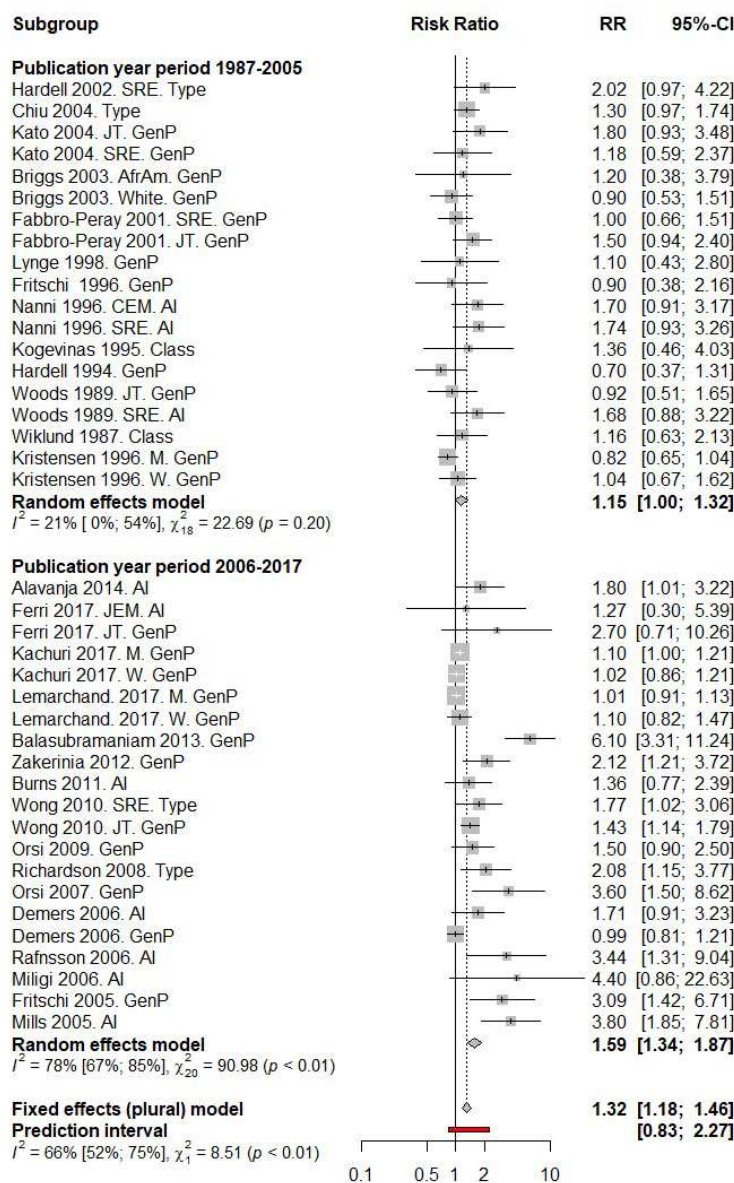


**Figure S3.5** Summary risk ratios for Non-Hodgkin's lymphoma by EAM type based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1987-2017. RR=relative risk.  $I^2$ =percentage of variation across studies due to heterogeneity. JT=job title. SRE=self-reported exposure. JEM=job-exposure matrix. CEM=crop-exposure matrix. Algo=exposure algorithm. GenP=general pesticides. Type=type of pesticide. Class=class of pesticides. AI=active ingredient. AfrAm=Afro-American. W=women. M=men.

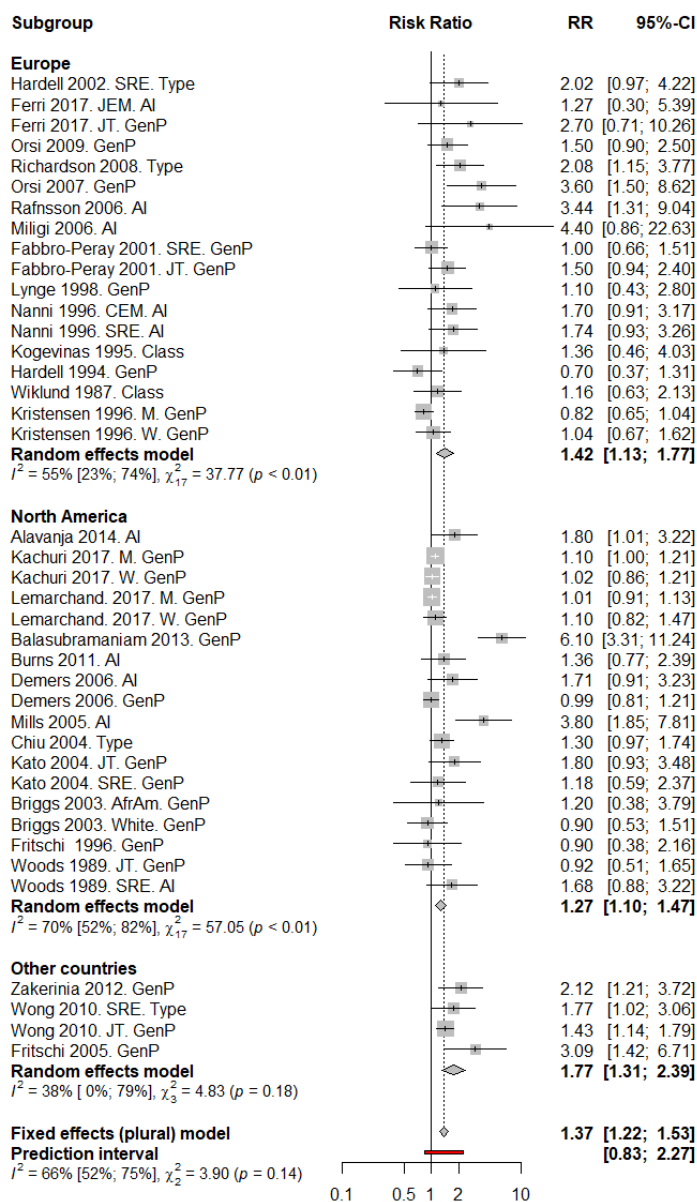


**Figure S3.6** Summary risk ratios for Non-Hodgkin's lymphoma by study design based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1987-2017. RR=relative risk.  $I^2$ =percentage of variation across studies due to heterogeneity. JT=job title. SRE=self-reported exposure. JEM=job-exposure matrix. CEM=crop-exposure matrix. GenP=general pesticides. Type=type of pesticide. Class=class of pesticides. AI=active ingredient. AfrAm=Afro-American. W=women. M=men.



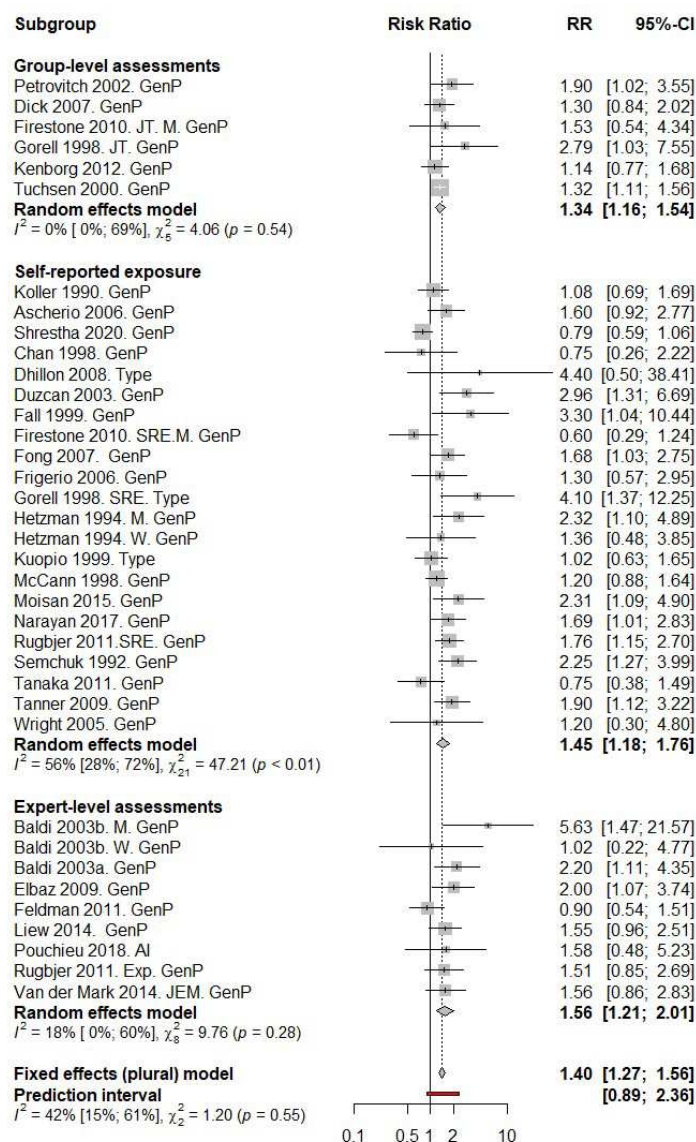


**Figure S3.7** Summary risk ratios for Non-Hodgkin's lymphoma by publication year period based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1987-2017. RR=relative risk.  $I^2$ =percentage of variation across studies due to heterogeneity. JT=job title. SRE=self-reported exposure. JEM=job-exposure matrix. CEM=crop-exposure matrix. GenP=general pesticides. Type=type of pesticides. Class=class of pesticides. AI=active ingredient. AfrAm=Afro-American. W=women. M=men.

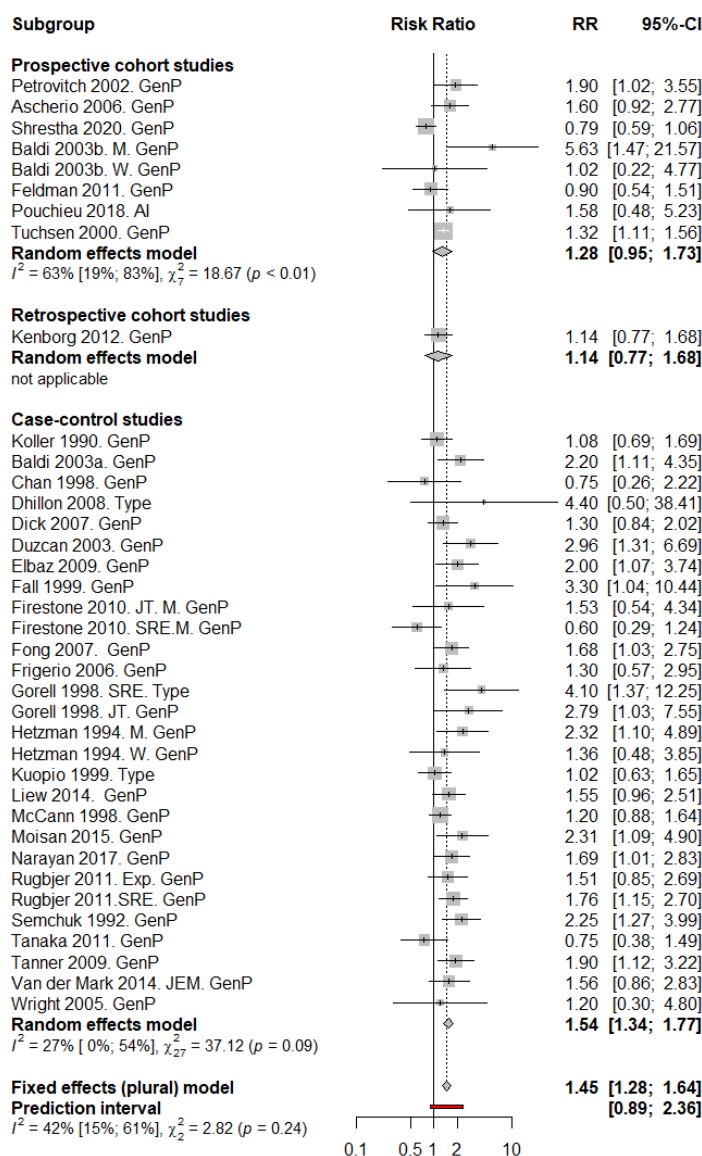


**Figure S3.8** Summary risk ratios for Non-Hodgkin's lymphoma by geographic location where the study was performed based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1987-2017. RR=relative risk.  $I^2$ =percentage of variation across studies due to heterogeneity. JT=job title. SRE=self-reported exposure. JEM=job-exposure matrix. CEM=crop-exposure matrix. GenP=general pesticides. Type=type of pesticides. Class=class of pesticides. AI=active ingredient. AfrAm=Afro-American. W=women. M=men.

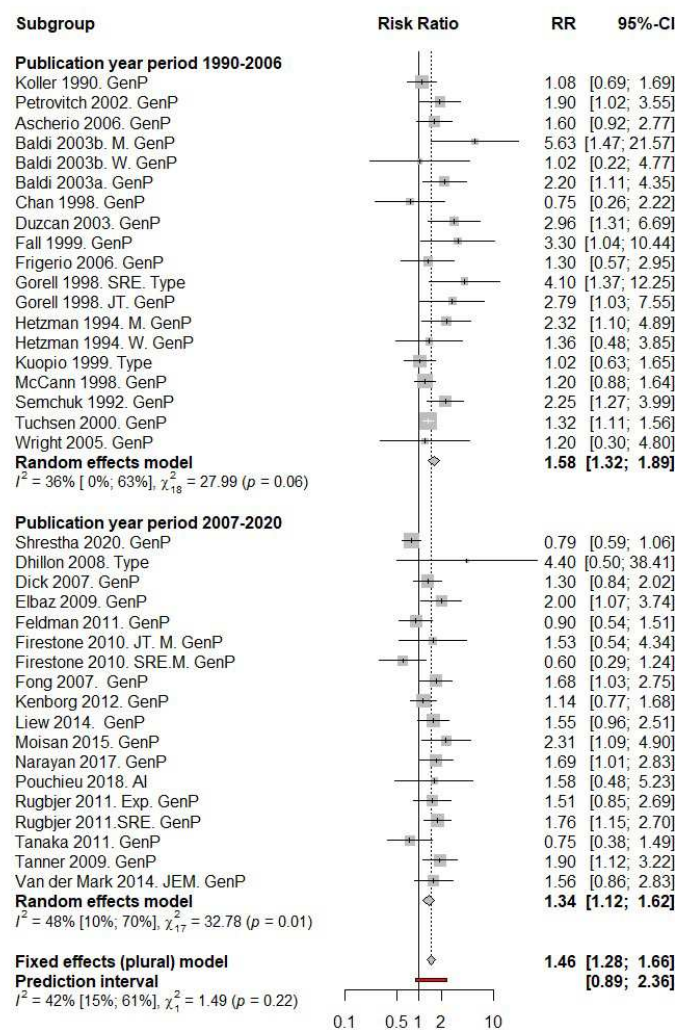




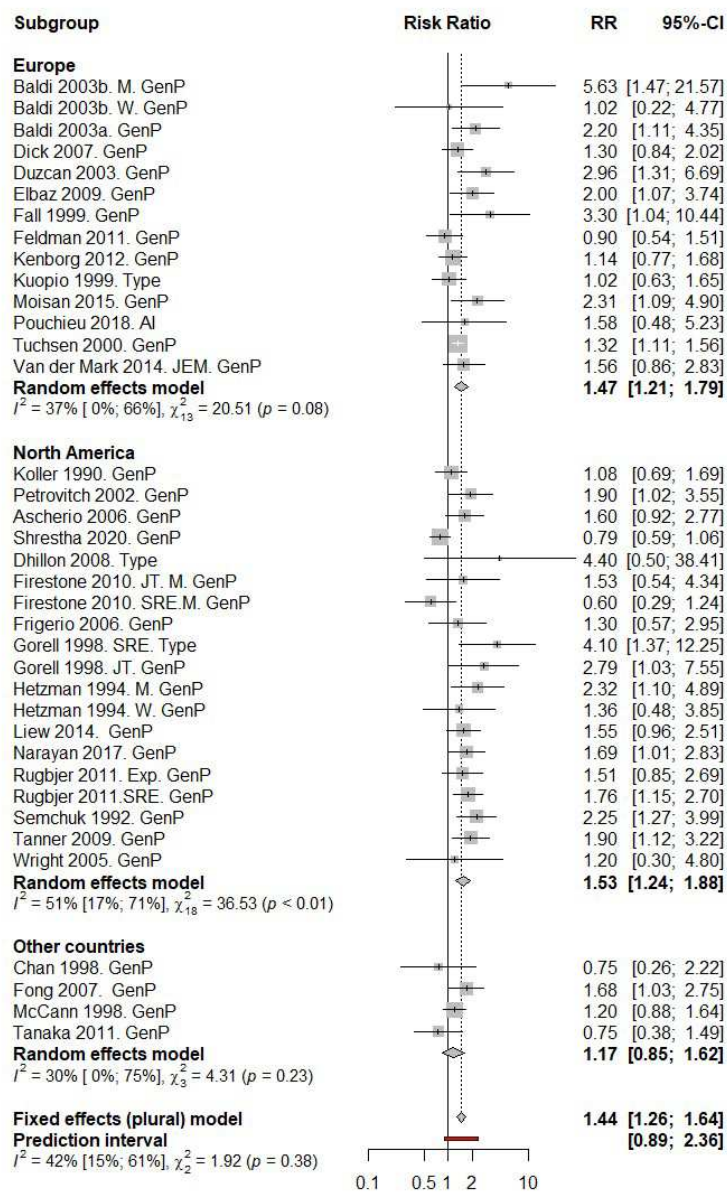
**Figure S3.9.** Summary risk ratios for Parkinson's disease by EAM type based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1990-2020. RR=relative risk.  $I^2$ =percentage of variation across studies due to heterogeneity. JT=job title. SRE=self-reported exposure. GenP=general pesticides. Type=type of pesticide. AI=active ingredient. AfrAm=Afro-American. W=women. M=men.



**Figure S3.10.** Summary risk ratios for Parkinson's disease by study design based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1990-2020. RR=relative risk.  $I^2$ =percentage of variation across studies due to heterogeneity. JT=job title. SRE=self-reported exposure. GenP=general pesticides. Type=type of pesticide. AI=active ingredient. AfrAm=Afro-American. W=women. M=men.



**Figure S3.11.** Summary risk ratios for Parkinson's disease by publication year period based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1990-2020. RR=relative risk.  $I^2$ =percentage of variation across studies due to heterogeneity. JT=job title. SRE=self-reported exposure. GenP=general pesticides. Type=type of pesticide. AI=active ingredient. AfrAm=Afro-American. W=women. M=men.



**Figure S3.12.** Summary risk ratios for Parkinson's disease by geographic location where the study was performed based on random-effects meta-analysis of articles on occupational pesticide exposure published between 1990-2020. RR=relative risk.  $I^2$ =percentage of variation across studies due to heterogeneity. JT=job title. SRE=self-reported exposure. GenP=general pesticides. Type=type of pesticide. AI=active ingredient. AfrAm=Afro-American. W=women. M=men.