**Hanan Goldberg – VARIABLES AND Preliminary tables and analyses for thesis: 23/8/2018**

***1.Types of variables:***

***Varaiables group 1:***

age category, adg score, rurality index, index year, glaucoma eye drops, 5 ARI, alphablockers, hydrophobic statins, hydrophilic statins, insulin, metformin, sulfonylurea, TZDS, pantoprazole, all other PPI, chloroquine, dipyridamole

***Variable group 2:***

All variables in group 1 + radical prostatectomy, ADT, radiotherapy

***Variable group 3*:**

All variables in group 1 + PC variable

***Variables group 4:***

All variables in group 1 + PSA

***Variables group 5:***

All variables in group 2 + PSA

***Variables group 6:***

All variables in group 3 + PSA

***Variable group 7:***

All variables in group 1 + radical prostatectomy + radiotherapy

***Variable group 8:***

All variables in group 1 + cum\_biopsies\_done

***2. ANALYSES TO DO:***

|  |  |  |
| --- | --- | --- |
| ***Type of model analysis*** | ***What variables to include?*** | ***Types of analysis*** |
| 1. Pure cohort PC diagnosis | * Group 1 | 1. Ever vs. never 2. Cumulative 6 months duration 3. Cummulative dose 180 DDD 4. Ever vs. never with hydrophilic and hydrophobic statins above and below median dose |
| 1. Pure cohort PC diagnosis only patients from the index year 2007 | * Group 4 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort PC diagnosis only Diabetes patients | * Group 1 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort PC diagnosis | * Group 1 but with statins combined instead of hydrophilic and hydrophobic separately | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort PC diagnosis | * Group 1 but with interaction with one model for metformin\*hydrophobic + metformin\*hydrophilic * And another model for dipyridamole\*hydrophibic and dypiridamole\*hydrophilic | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort PC death with only PC diagnosed patients | * Group 2 | 1. Ever vs. never 2. Cumulative 6 months duration 3. Cummulative dose 180 DDD 4. Ever vs. never with hydrophilic and hydrophobic statins above and below median dose |
| 1. Pure cohort PC death with only PC diagnosed patients from year 2007 only | * Group 5 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort PC death with only PC diagnosed diabetic patients | * Group 2 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort PC death with only PC diagnosed patients | * Group 2 but with statins combined instead of hydrophilic and hydrophobic separately | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort all-cause mortality | * Group 3 | 1. Ever vs. never 2. Cumulative 6 months duration 3. Cummulative dose 180 DDD 4. Ever vs. never with hydrophilic and hydrophobic statins above and below median dose |
| 1. Pure cohort all-cause mortality with patients from 2007 only | * Group 6 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort ADT use with only PC diagnosed patients | * Group 7 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort predicting 2nd biopsy | * Group 1 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort for Dermatitis | * Group 1 | 1. Ever vs. Never |
| 1. Pure cohort for presbyopia | * Group 1 | 1. Ever vs. Never |
| 1. Pure cohort for cataract | * Group 1 | 1. Ever vs. never |
| 1. Pure cohort for Analysis of cardiovascular | * Group 1 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort Analysis of hospital admission within 30 days after prostate biopsy in general | * Group 8 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pre cohort Analysis of hospital admission due to sepsis after biopsy | * Group 8 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort Analysis of catheter insertion after biopsy | * Group 8 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. Pure cohort Patients undergoing TURP | * Group 8 | 1. Ever vs. never 2. Cumulative 6 months duration |
| 1. PURE COHORT PaTIENTS UNDERGOING open prostatectomy | * Group 8 | 1. Ever vs. never 2. Cumulative 6 months duration |

1. Table 7 – Biopsy complications and BPH DATA number 24

|  |  |  |
| --- | --- | --- |
| ***DATA NEEDED*** | ***COHORT TO ACQUIRE*** | ***VARIABLE NAME*** |
| Number and % patients who underwent TURP surgery (after every biopsy and any) for all patients and for each age category | Cohort\_time\_dependent\_variables\_cleaned\_up | cum\_biopsies\_done,  TURP\_in\_this\_interval, age\_category |
| Number and % patients who underwent open prostatectomy for BPH ((after every biopsy and any) for all patients and for each age category | Cohort\_time\_dependent\_variables\_cleaned\_up | Cum\_biopsies\_done, open\_prostatectomy \_in\_this\_interval, age\_category |
| Number and % patients who had a bladder catheter inserted after biopsy ((after every biopsy and any)) for all patients and for each age categroy | Cohort\_time\_dependent\_variables\_cleaned\_up | cum\_biopsies\_done,  bladdercath\_in\_this\_interval, age\_category |
| Number and % patients who had any procedure after biopsy (for each one and for any) for all patients and for each age category | Cohort\_time\_dependent\_variables\_cleaned\_up | Cum\_biopsies\_done, anyproc\_within\_30 \_in\_this\_interval,  age\_category |
| Number and % patients who had a hospital admission within 30 days of biopsy (for each one and for any) for all patients and for each age category | Cohort\_time\_dependent\_variables\_cleaned\_up | Cum\_biopsies\_done, hosp\_admit\_in\_this\_interval, age\_category |
| Number and % patients who had a hospital admission due to sepsis after each biopsy and all, for all patients and for each age category | Cohort\_time\_dependent\_variables\_cleaned\_up | Cum\_biopsies\_done, sepsis\_admission\_in\_this\_interval, age\_category |
| Number of visits to emergency department due to urinary tract infection (for each one and any) for all patients and for each age category | Cohort\_time\_dependent\_variables\_cleaned\_up | Cum\_biopsies\_done, days\_to\_urinaryinf\_nacrs, age\_category |
| Number of visits to emergency department due to urinary difficulty (for each one and any) for all patients and for each age category | Cohort\_time\_dependent\_variables\_cleaned\_up | Cum\_biopsies\_done, days\_to\_urinarydiff\_nacrs, age\_category |
| Number and % patients who had a cystoscopy (for each biopsy and for any) for all patients and for each age category | Cohort\_time\_dependent\_variables\_cleaned\_up | Cum\_biopsies\_done, cystoscopy \_in\_this\_interval, age\_category |
| Number and % patients who had a cardiovascular event (for each biopsy and for any) for all patients and for each age category  And mean days until each event | Cohort\_time\_dependent\_variables\_cleaned\_up | Cum\_biopsies\_done, cardio\_event\_in\_this\_interval, days\_to\_coronary\_angiodt\_dad, days\_to\_cabgdt\_dad, days\_to\_endarterectomy\_dad, days\_to\_carotid\_angiodt\_dad, days\_to\_stentingdt\_dad, days\_to\_vascbypassdt\_dad, days\_to\_strokedt\_dad, days\_to\_amidt\_dad, age\_category |