OAB COHORT DATA DICTIONARY

Cohort, Practice, Provider Information			
Field Name	**Data Type**	**Values**	**Description**
patient_guid	string		patient global unique identifier
ind_OAB_cohort	boolean	0=not in OAB Cohort, 1=in OAB Cohort	indicator of patient in OAB cohort (newly diagnosed between 2014-now)
date_OABdx_cohort	date		date of initial OAB diagnosis
first_record_inAQUA	date		patient first day in AQUA
last_record_inAQUA	date		patient last day in AQUA
days_inAQUA	integer		patient number of days in AQUA (last record minus first record in AQUA)
days_inOABCohort	integer		patient number of days in OABCohort (last record minus date of OAB diagnosis) - Length of Follow-up
practiceid	integer		practice identifier
practice_zip	integer		practice zip code
practice_setting	string	academic, hospital, multi-specialty, single-specialty, solo practice	practice setting
provider_npi	string		provider npi for provider associated with initial OAB diagnosis
provider_type	string		provider type/ specialty

Demographics			
Field Name	**Data Type**	**Values**	**Description**
patient_dob	date		patient date of birth
patient_dod	date		patient date of death
patient_age	float		patient age at OAB daignosis
patient_age_catg	array	1=≤50, 2=51-64, 3=65-79, 4=80+	patient age at OAB daignosis - Categories
patient_sex	string	male, female	patient sex at birth
patient_race	string	Asian, Black or African American, Native American and Alaska Native, Native Hawaiian and Other Pacific Islander, White, Other, Unknown	patient race
patient_ethnicity	string	Hispanic, non-Hispanic	patient ethnicity
patient_marital	string	married, single, unknown	patient marital status
patient_zip	string		patient zip code
patient_state	string		patient state
patient_ruca	string	metropolitan, suburban, rural, unknown	patient metropolitan status
patient_insurance	string	commercial, government, medicaid, medicare, medicare advantage, military, other, no insurance, unknown	patient insurance type (at cohort entrance, primary)

First Line Therapy			
Field Name	**Data Type**	**Values**	**Description**
ind_anyOAB_therapy	boolean	0=no OAB therapy, 1=patient received either first line, second line, third line therapies	indicator of patient who received any OAB therapy (first, second or third) after OAB diagnosis date
ind_first_line_therapy	boolean	0=no first line therapy, 1=patient received first line therapy	indicator of patient with a record of first line therapy for OAB after diagnosis date
ind_multi_first_line_therapy	boolean	0=no multiple records of first line therapy, 1=patient has multiple records of first line therapy	indicator of patient with more than one record of first line therapy for OAB after dx date
num_first_line_therapy	integer		number of records of first line therapy for OAB after dx date
date_fir_first_line_therapy	date		date first line therapy was started
date_sec_first_line_therapy	date		date of second record of first line therapy
date_last_first_line_therapy	date		date last record of first line therapy
days_bnOABdx_andfirstline	integer		number of days between OAB diagnosis and first record of first line therapy

Second Line Therapy			
Field Name	**Data Type**	**Values**	**Description**
ind_second_line_therapy	boolean	0=no second line therapy, 1=patient taking second line therapy medication	indicator of patient taking a second line therapy medication after OAB diagnosis date
ind_multi_second_line_therapy	boolean	0=no multiple records of second line therapy, 1=patient has multiple records of second line therapy	indicator of patient taking multiple second line therapy medications (same or different medication name or class)
num_second_line_therapy	integer		number of records of second line medications taken
num_types_second_line_therapy	integer		number of types of second line medications taken
ind_anticholinergics	boolean	0=no ACH, 1=patient taking ACH medication	indicator of patient taking an antocholinergic (ACH) medication
ind_beta3agonist	boolean	0=no B3, 1=patient taking Beta 3 agonist	indicator of patient taking a beta 3 agonist medication
ind_both_ACH_and_B3	boolean	0=not taking both ACH and B3, 1=patient taking both ACH and B3 agonist medications	indicator of patient taking both ACH and B3 agonist medications
num_anticholinergics	integer		number of records of anticholinergics medications taken (same and different medications within the ACH class)
num_types_anticholinergics	integer		number of types of anticholinergics medications taken (unique medications within the ACH class)
num_beta3agonist	integer		number of records of beta 3 agonist medications taken (same and different medications within the B3 class)
num_typs_beta3agonist	integer		number of types of beta 3 agonist medications taken (unique medications within the B3 class)
fir_Second_line_medication_afterOABdx	string		first second line medication taken after OAB diagnosis
fir_Second_line_medicationclass_afterOABdx	string		first second line medication class taken after OAB diagnosis
sec_Second_line_medication_afterOABdx	string		second second line medication taken after OAB diagnosis
sec_Second_line_medicationclass_afterOABdx	string		second second line medication class taken after OAB diagnosis
date_first_anticholinergic	date		date of first anticholinergic medication started
date_first_beta3agonist	date		date of first beta 3 agonist medication started

date_fir_second_line_medication	date		date of first second line medication taken after OAB diagnosis
date_sec_second_line_medication	date		date of second second line medication taken after OAB diagnosis
ind_oxybutynin	boolean	0=no oxybutynin, 1=patient taking oxybutynin	Indicator of patient taking oxybutynin after OAB diagnosis
ind_oxybutyninER	boolean	0=no oxybutyninER, 1=patient taking oxybutyninER	Indicator of patient taking oxybutyninER after OAB diagnosis
ind_tolteridine	boolean	0=no tolteridine, 1=patient taking tolteridine	Indicator of patient taking tolteridine after OAB diagnosis
ind_tolteridineLA	boolean	0=no tolteridineLA, 1=patient taking tolteridineLA	Indicator of patient taking tolteridineLA after OAB diagnosis
ind_trospium	boolean	0=no trospium, 1=patient taking trospium	Indicator of patient taking trospium after OAB diagnosis
ind_trospiumER	boolean	0=no trospiumER, 1=patient taking trospiumER	Indicator of patient taking trospiumER after OAB diagnosis
ind_fesoterodine	boolean	0=no fesoterodine, 1=patient taking fesoterodine	Indicator of patient taking fesoterodine after OAB diagnosis
ind_darifenacin	boolean	0=no darifenacin, 1=patient taking darifenacin	Indicator of patient taking darifenacin after OAB diagnosis
ind_solifenacin	boolean	0=no solifenacin, 1=patient taking solifenacin	Indicator of patient taking solifenacin after OAB diagnosis
ind_mirabegron	boolean	0=no mirabegron, 1=patient taking mirabegron	Indicator of patient taking mirabegron after OAB diagnosis
ind_vibegron	boolean	0=no vibegron, 1=patient taking vibegron	Indicator of patient taking vibegron after OAB diagnosis
date_first_oxybutynin	date		date of first record of oxybutynin taken after OAB diagnosis
date_first_oxybutyninER	date		date of first record of oxybutynin ER taken after OAB diagnosis
date_first_tolteridine	date		date of first record of tolteridine taken after OAB diagnosis
date_first_tolteridineLA	date		date of first record of tolteridine LA taken after OAB diagnosis
date_first_trospium	date		date of first record of trospium taken after OAB diagnosis
date_first_trospiumER	date		date of first record of trospium ER taken after OAB diagnosis
date_first_fesoterodine	date		date of first record of fesoterodine taken after OAB diagnosis
date_first_darifenacin	date		date of first record of darifenacin taken after OAB diagnosis
date_first_solifenacin	date		date of first record of solifenacin taken after OAB diagnosis
date_first_mirabegron	date		date of first record of mirabegron taken after OAB diagnosis
date_first_vibegron	date		date of first record of vibegron taken after OAB diagnosis
days_bnOABdx_andfir_secondline	integer		days between OAB diagnosis and first second line therapy medication
days_bnOABdx_andsec_secondline	integer		days between OAB diagnosis and second second line therapy medication

Third Line Therapy			
Field Name	**Data Type**	**Values**	**Description**
ind_third_line_therapy	boolean	0=no third line therapy, 1=patient reciving third line therapy	indicator of patient receiving a third line therapy after OAB diagnosis
ind_multi_third_line_therapy	boolean	0=no multiple records of third line therapy, 1=patient has multiple records of third line therapy	indicator of patient receiving multiple third line therapies after OAB diagnosis (same or different therapy)
num_third_line_theraypy	integer		number of third line therapies administered
num_types_third_line_therapy	integer		number of types of third line therapy administered
fir_third_line_therapy	string		first third line therapy administered
sec_third_line_therapy	string		second third line therapy administered
date_fir_third_line_therapy	date		date first third line therapy was administered
date_sec_third_line_therapy	date		date second third line therapy was administered
ind_bladder_botox_injection	boolean	0=no btx, 1=patient received bladder botox injection	indicator of patient receiving bladder botox injection after OAB diagnosis
ind_sacral_neuromodulation	boolean	0=no snm, 1=patient received sacral neuromodulation	indicator of patient receiving sacral neuromodulation after OAB diagnosis

ind_tibial_nerve_stimulation	boolean	0=no ptns, 1=patient received percutaneous tibial nerve stimulation	indicator of patient receiving percutaneous tibial nerve stimulation after OAB diagnosis
date_first_btx	date		date of first administration of a bladder botox injection after OAB diagnosis
date_first_snm	date		date of first administration of sacral neuromodulation after OAB diagnosis
date_first_ptns	date		date of first administration of percutaneous tibial nerve stimulation after OAB diagnosis
ind_practice_offering_thirdline	boolean	0=no third line, 1=practice offers third line	indicator of practice offering any third line therapies
ind_practice_offering_btx	boolean	0=no btx, 1=practice offers btx	indicator of practice offering bladder botox injections
ind_practice_offering_snm	boolean	0=no snm, 1=practice offers snm	indicator of practice offering sacral neuromodulation
ind_practice_offering_ptns	boolean	0=no ptns, 1=practice offers ptns	indicator of practice offering percutaneous tibial nerve stimulation

Therapy Progression			
Field Name	**Data Type**	**Values**	**Description**
ind_firstline_before_secondline	array	0=no first line before second line, 1=patient received first line therapy before second line, -9=patient did not receive first line or second line therapy	indicator of first line therapy started before second line therapy in OAB patients
ind_firstline_before_thirdline	array	0=no first line before third line, 1=patient received first line therapy before third line, -9=patient did not receive first line or third line therapy	indicator of first line therapy started before third line therapy in OAB patients
ind_secondline_before_thirdline	array	0=no second line before third line, 1=patient received second line therapy before third line, -9=patient did not receive second line or third line therapy	indicator of second line therapy started before third line therapy in OAB patients
ind_progress_fromsecondline_tothirdline	array	0=received second line and did not progress to 3rd line, 1=patient received second line therapy and progressed to 3rd line therapy, -9=patient did not receive 2nd line therapy	indicator of patient who received a second line therapy and progressed to third line
ind_progress_fromfirstline_tosecondline_tothirdline	array	0=received therapy but did not progress from 1st, to 2nd, 3rd, 1=patient received a first line therapy, progressed to second line, then progressed to third line, -9=patient did not receive any first, second or third line therapy	indicator of patient who received a first line therapy, progressed to second line, then progressed to third line

Disease-Related Comorbidities			
Field Name	**Data Type**	**Values**	**Description**
ind_hypertension	boolean	0=no dx, 1=hypertension dx	indicator of hypertension
ind_glaucoma	boolean	0=no dx, 1=glaucoma dx	indicator of glaucoma
ind_congestive_heart_failure	boolean	0=no dx, 1=failure dx	indicator of congestive heart failure
ind_diabetes_mellitus	boolean	0=no dx, 1=mellitus dx	indicator of diabetes mellitus
ind_obesity	boolean	0=no dx, 1=obesity dx	indicator of obesity
ind_depression	boolean	0=no dx, 1=depression dx	indicator of depression
ind_anxiety	boolean	0=no dx, 1=anxiety dx	indicator of anxiety
ind_dementia	boolean	0=no dx, 1=dementia dx	indicator of dementia
ind_spinal_cord_injury	boolean	0=no dx, 1=injury dx	indicator of spinal cord injury

ind_stroke	boolean	0=no dx, 1=stroke dx	indicator of stroke
ind_urinary_retention	boolean	0=no dx, 1=retention dx	indicator of urinary retention
ind_hepatic_insufficiency	boolean	0=no dx, 1=insufficiency dx	indicator of hepaticf insufficiency
ind_parkinsons	boolean	0=no dx, 1=parkinsons dx	indicator of parkinsons
ind_multiple_sclerosis	boolean	0=no dx, 1=sclerosis dx	indicator of multiple sclerosis
ind_neurogenic_bladder	boolean	0=no dx, 1=bladder dx	indicator of neurogenic bladder
ind_spina_bifida	boolean	0=no dx, 1=bifida dx	indicator of spinaf bifida
ind_myasthenia_gravis	boolean	0=no dx, 1=gravis dx	indicator of myasthenia gravis
ind_lambert_eaton	boolean	0=no dx, 1=eaton dx	indicator of lambert eaton
ind_spinal_muscular_atrophy	boolean	0=no dx, 1=atrophy dx	indicator of spinal muscular atrophy
ind_ALS	boolean	0=no dx, 1=ALS dx	indicator of ALS
ind_neurogenicOAB	boolean	0=no dx, 1=neurogenicOAB dx	indicator of neurogenicOAB

Other Comorbidities			
Field Name	**Data Type**	**Values**	**Description**
ind_urinary_incontinence	boolean	0=no dx, 1=urinary incontinence dx	Indicator of patient with urinary incontinence ever recorded in AQUA
ind_stress_incontinence	boolean	0=no dx, 1=stress incontinence dx	Indicator of patient with stress incontinence ever recorded in AQUA
ind_UTI	boolean	0=no dx, 1=UTI dx	Indicator of patient with urinary tact infections ever recorded in AQUA
ind_stones	boolean	0=no dx, 1=stones dx	Indicator of patient with kidney and ureteral ever recorded in AQUA
ind_female_urology_conditions	boolean	0=no dx, 1=female urology conditions dx	Indicator of patient with female-specific urologic conditions ever recorded in AQUA
ind_pelvic_floor_dysfunction	boolean	0=no dx, 1=pelvic floor dysfunction dx	Indicator of patient with pelvic floor dysfunction ever recorded in AQUA
ind_pelvic_organ_prolapse	boolean	0=no dx, 1=pelvic organ prolapse dx	Indicator of patient with pelvic organ prolapse ever recorded in AQUA
ind_incontinence_after_pregnancy	boolean	0=no dx, 1=incontinence after pregnancy dx	Indicator of patient with incontinence after pregnancy ever recorded in AQUA
ind_male_urology_conditions	boolean	0=no dx, 1=male urology conditions dx	Indicator of patient with male-specific urologic conditions ever recorded in AQUA
ind_BPH	boolean	0=no dx, 1=BPH dx	Indicator of patient with benign prostatic hyperplasia ever recorded in AQUA
ind_prostate_cancer	boolean	0=no dx, 1=prostate cancer dx	Indicator of patient with prostate cancer ever recorded in AQUA
ind_prostatitis	boolean	0=no dx, 1=prostatitis dx	Indicator of patient with prostatitis ever recorded in AQUA
ind_erectile_dysfunction	boolean	0=no dx, 1=erectile dysfunction dx	Indicator of patient with erectile dysfunction ever recorded in AQUA
date_firstdx_urinary_incontinence	date		date of first ever diagnosis of urinary incontinence in AQUA
date_firstdx_stress_incontinence	date		date of first ever diagnosis of stress incontinence in AQUA
date_firstdx_UTI	date		date of first ever diagnosis of urinary tract infections in AQUA
date_firstdx_stones	date		date of first ever diagnosis of kidney and ureteral stones in AQUA
date_firstdx_female_urology	date		date of first ever diagnosis of female urology conditions in AQUA
date_firstdx_pelvic_floor_dysfunction	date		date of first ever diagnosis of pelvic floor dysfunction in AQUA

date_firstdx_pelvic_organ_prolapse	date		date of first ever diagnosis of pelvic organ prolapse in AQUA
date_firstdx_incontinence_after_pregnancy	date		date of first ever diagnosis of incontinence after pregnancy in AQUA
date_firstdx_male_urology	date		date of first ever diagnosis of male urology conditions in AQUA
date_firstdx_BPH	date		date of first ever diagnosis of BPH in AQUA
date_firstdx_prostate_cancer	date		date of first ever diagnosis of prostate cancer in AQUA
date_firstdx_prostatitis	date		date of first ever diagnosis of prostatitis in AQUA
date_firstdx_erectile_dysfunction	date		date of first ever diagnosis of erectile dysfunction in AQUA
elixhauser_index	integer		elixhauser index score (computed using AHRQ algorithm, score range: [-33, 99])

Urologic Exams			
Field Name	**Data Type**	**Values**	**Description**
ind_cystoscopy	boolean	0=no cystoscopy, 1=cystoscopy performed	indicator of cystoscopy test performed
ind_urodynamics	boolean	0=no urodynamics, 1=urodynamics tests performed	indicator of urodynamics test performed
date_prev_cystoscopy	date		date of last cystoscopy test performed prior to OAB diagnosis
date_first_cystoscopy	date		date of first cystoscopy test performed after OAB diagnosis
date_prev_urodynamics	date		date of last urodynamics test performed prior to OAB diagnosis
date_first_urodynamics	date		date of first urodynamics test performed after OAB diagnosis