# National ART Surveillance System NASS 2.0 (Proposed for 2016)

**DRAFT** 

	INITIAL REPORTING: PATIENT PROFILE (PROSPECTIVE)		
Quex ID	LEAD QUESTION		
1	Date of cycle reporting (mm/dd/yyyy):   _  -    -		
2	NASS Patient ID:   _  -    -    -		
3	Patient Optional Identifiers  Optional Identifier 1   _   _   _   _   _		
	Optional Identifier 2   _ _ _  maximum 7 digits or characters		
4	Patient Date of Birth (mm/dd/yyyy):   _  -    -   _		
5	Sex of patient: O Male O Female		
6	Cycle Start Date  _  -    -    _   _		
	RESIDENCY		
7	At the start of the cycle, is patient residency primarily in U.S.?  Or Yes Or No Or Refused		
7A	U.S. state of primary residence: City of primary residence U.S. zip code at primary residence   _ _ _  OR Country of primary residence:		
	INTENT		
	Intended type of ART? Select all that apply:		
8	IVF: Transcervical   GIFT: Gametes to tubes   ZIFT: Zygotes to tubes or TET: tubal embryo transfer   Oocyte or embryo banking		
9	If cycle is for banking only, specify banking type (select all that apply):		
•	Embryo banking Autologous oocyte banking Donor oocyte banking		
РΑ	Indicate anticipated duration of oocyte banking SKIP IF EMBRYO BANKING ONLY  Short term (<12 months)  Long term (≥12 months) banking for fertility preservation prior to gonadotoxic medical treatments  [SKIP IF NOT A  Long term (≥12 months) banking for other reasons		
В	BANKING ONLY CYCLE]  Indicate anticipated duration of embryo banking SKIP IF OOCYTE BANKING ONLY  Short term (<12 months)  □ Delay of transfer to obtain genetic information □ Delay of transfer for other reasons □ Long term (≥12 months) banking for fertility preservation prior to gonadotoxic medical treatments □ Long term (≥12 months) banking for other reasons		
10	Intended embryo source (select all that apply):  Patient embryos  Donor embryos [IF ONLY DONOR EMBRYOS SELECTED, SKIP TO #12]		
10A	If intent is to use FRESH EMBRYOS, specify intended oocyte source. Select all that apply:  Patient oocytes  Fresh oocytes  Donor oocytes  Fresh oocytes  Frozen oocytes		
	If intent is to use FROZEN EMBRYOS, specify intended oocyte source. Select all that apply:		

	Patient oocytes Fresh oocytes Frozen oocytes			
	Donor oocytes			
	Fresh oocytes Frozen oocytes Unknown (select only if oocyte source is unknown)  Specify intended sperm source. Select all that apply. [SKIP IF DONOR EMBRYO IS INTENDED SOURCE]			
	Partner	il source. Select all triat apply. [SKIP IF DONOR EMBRYO IS INTENDED SOURCE]		
11	Donor			
	Patient, if male			
		only if <u>all</u> sperm sources unknown for frozen)		
	Pregnancy carrier			
12	Patient Costational corrier			
		Gestational carrier  None (oocyte or embryo banking cycle only)		
	None (ode)te or e	CYCLE INFORMATION (NOT PROSPECTIVE FROM HERE FORWARD)		
Quex ID	LEAD QUESTION			
	Type of ART perform	ned? Select all that apply:		
	IVF: Transcervic	al		
13	GIFT: Gametes t	to tubes		
	ZIFT: Zygotes to	tubes or TET: tubal embryo transfer		
	Oocyte or embr	yo banking		
	Embryo source (sele	ct all that apply):		
14	Patient embryos			
		[IF ONLY DONOR EMBRYOS SELECTED, SKIP TO #15]		
		If FRESH EMBRYOS were used, specify intended oocyte source. Select all that apply:		
		Patient oocytes   Frozen oocytes   Frozen oocytes		
	Donor oocytes	Scytes Trozen oocytes		
		Fresh oocytes Frozen oocytes		
14A				
	If FROZEN EMBRYOS were used, specify intended oocyte source. Select all that apply:  Patient oocytes			
	Fresh oocytes Frozen oocytes			
	Donor oocytes			
	Fresh oocytes Frozen oocytes Unknown (select only if oocyte source is unknown)			
	PATIENT MEDICAL EVALUATION			
	REASON FOR ART			
Quex ID	LEAD QUESTION			
	Reason for ART (Selec	t all that apply):		
	Male infertility (se	elect all that apply)		
		☐ Medical condition		
		Genetic or chromosomal abnormality Specify		
		☐ Abnormal sperm parameters (select all that apply)		
		Azoospermia, obstructive		
	[SKIP IF MALE	Azoospermia, non-obstructive		
15	INFERTILITY NOT	Oligospermia, severe (<5 million/mL)		
	SELECTED]	Oligospermia, moderate (5-15 million/mL)		
		Low motility (<40%)		
		Low morphology (4%)		
		☐ Other male factor (not included above) Specify		
	History of endon	netriosis		
	Tubal ligation for			
	Current or prior			

	[SKIP IF HYDROSALPINX NOT SELECTED]	Communicating Occluded Unknown	
		ase (not current or historic hydrosalpinx) lers	
	[SKIP IF OVULATORY DISORDER NOT SELECTED]	PCO Other ovulatory disorders	
	Diminished ovar Uterine factor	ian reserve	
		n Genetic Diagnosis as primary reason for ART yo Banking as reason for ART	
		se of gestational carrier	
		☐ Absence of uterus	
	[SKIP IF GESTATIONAL	☐ Significant uterine anomaly	
	CARRIER NOT	☐ Medical contraindication to pregnancy	
	INDICATED]	□ Recurrent pregnancy loss □ Unknown	
	Recurrent pregna	_ =	
		elated to infertility (specify)	
		ot related to infertility (specify)	
	Unexplained inf		
	FEMALE PATIENT HIST	TORY AND PHYSICAL	
	[IF SEX OF PATIENT =	MALE (FROM QUESTION #5) THEN SKIP #16-23]	
16	Height:    Feet and/or or Height unknown	Inches or    _  Centimeters	
17	Weight at the start of    _ Pour or Weight unknown	nds or      Kilograms	
	History of cigarette sr Did the patient smoke	moking: e during the 3 months before the cycle started?	
18	Yes No Unknown		
19	Any prior pregnancies?  OYes  No		
19A	[SKIP IF NO PRIOR PREGNANCIES] If prior pregnancies reported and couple is not surgically sterile, enter months or years attempting pregnancy since last clinical pregnancy     months and/or   _  years		
	[SKIP IF ANY PRIOR PREGNANCIES]  If no prior pregnancies reported and couple is not surgically sterile, enter months attempting pregnancy      months and/or   _  years		
19B		If prior pregnancies reported, how many   _	
19C	SKIP IF NO PRIOR	Number of prior full term births   _	
19D	PREGNANCIES	Number of prior preterm births   _	
19E		Number of prior stillbirths   _	

19F		Number of prior spontaneous abortions   _		
19G		Number of ectopic pregnancies   _		
20	Number of prior stimulations for ART:  _ _			
21	Number of prior frozen ART cycles:   _			
21A	SKIP IF NO PRIOR ART CYCLES	Did any of the prior ART cycles result in a live birth?		
22	Patient maximum FSH Or FSH unknown:	H level (MIU/mls):     .		
23	Most recent AMH level Or AMH unknown:	el (ng/mL):     _   _   _   _   _		
	Date of most recent A	Date of most recent AMH level     _   -     _   _   _		
		SOURCE AND CARRIER PROFILES		
	OOCYTE SOURCE PRO	OFILE CONTROL OF THE		
Quex ID	LEAD QUESTION			
24	OOCYTE SOURCE Dat	e of Birth (mm/dd/yyyy): [FIELD PRE-FILLED IF OOCYTE SOURCE=PATIENT]		
		ne oocytes were retrieved		
	OOCYTE SOURCE Ethi Select one:  ONOT Hispanic or			
25	<ul><li>Hispanic or Latin</li><li>Refused</li><li>Unknown</li></ul>			
26	Select all that apply:  White Black or African A			
	Native Hawaiian American Indian	or other Pacific Islander		
26A	Ancheminadi	Select reason race not reported:  O Refused O Unknown		
	PREGNANCY CARRIE	R PROFILE		
27	Pregnancy carrier Patient Gestational carr None (oocyte o	rier r embryo banking cycle only)		
		THEN SKIP 28-31] or NT AND OOCYTE SOURCE=PATIENT THEN SKIP 28-31]		
28	Pregnancy carrier  Date of Birth (mm/dd/yyyy):   _  -    -        OR age at time of transfer			
29	Pregnancy carrier Ed Select one:			

	○○ Hispanic or Latino ○○ Refused		
	○○ Unknown		
30A  Quex ID	Pregnancy carrier Race (based on gestational carrier self report)  Select all that apply:  White  Black or African American  Asian  Native Hawaiian or other Pacific Islander  American Indian or Alaska Native  Yes  Select reason race not reported:  O Refused  O Unknown		
Quexib	SPERM SOURCE PROFILE		
31	Specify sperm source. Select all that apply.  Partner  Donor  Patient, if male  Unknown (select only if <u>all sperm sources unknown for frozen)</u>		
32	SPERM source Date of Birth (mm/dd/yyyy):   _  -    -    [FIELD PRE-FILLED IF SPERM SOURCE=MALE PATIENT]  Or  Unknown		
33	SPERM source Ethnicity: Select one:  NOT Hispanic or Latino Hispanic or Latino Refused Unknown		
34	SPERM source Race (based on patient self report)  Select all that apply:  White Black or African American Asian Native Hawaiian or other Pacific Islander American Indian or Alaska Native		
34 <b>A</b>	Select reason race not reported:  ORefused OUnknown		
Quex ID	STIMULATION AND RETRIEVAL  LEAD QUESTION  OVARIAN STIMULATION AND MEDICATIONS		
35	Was there stimulation for follicular development?  Yes No  [IF NO STIMULATION OR FROZEN CYCLE, SKIP #36-39]		
36	Oral medication such as aromatase inhibitor or selective estrogen receptor modulator?  Yes No		
36A	[SKIP IF NO ORAL MEDS]  Clomiphene dosage (Total mgs):  _ _ _ _ _ _  Letrozole dosage (Total mgs)   _ _ _ _ _  Other (specify) dosage  _ _ _ _ _ _		
37	Medication(s) containing FSH?  ○Yes ○ No		

37A	[SKIP IF NO FSH	Short-acting FSH (Total IUs):   _ _ _ _	
37B	MEDS]	Long-acting FSH (Total mgs):   _ _ _  .	
38	Medication(s) with LH/HCG activity?  ○Yes ○ No		
Quex ID	LEAD QUESTION		
39	GnRH Protocol Select the one primary protocol:  O No GnRH protocol O GnRH Agonist Suppression O GnRH Agonist Flare O GnRH Antagonist Suppression		
		ppen only for fresh cycles)	
40	_	SOURCE = FROZEN THEN SKIP 40-45]  nceled prior to retrieval?	
40A		Date cycle canceled (mm/dd/yyyy):   _  -    -	
40B	[SKIP IF CYCLE <u>NOT</u> CANCELLED]	Select one primary reason cycle was canceled:  Low ovarian response High ovarian response Inadequate endometrial response Concurrent illness Withdrawal only for personal reasons OTHER - specify	
	[IF CYCLE CANCELLED,	, STOP HERE]	
	FRESH OOCYTE RETRIE	EVAL	
	TRESTITUTE RETRIE	_VAL	
<i>/</i> 11	TREST OCCITE RETRIE	-VAL	
41	Date retrieval perforn	ned (mm/dd/yyyy):   _  -    -     _	
42	Date retrieval perforn	ent oocytes retrieved:   _	
	Date retrieval perforn	ned (mm/dd/yyyy):   _  -    -     _	
42	Date retrieval perform  Total number of patie  Total number of dono  Use of retrieved oocyt  Used for this cycle  Oocytes frozen for  Oocytes shared w	ned (mm/dd/yyyy):   _ - _ - _    ent oocytes retrieved:   _  or oocytes retrieved:   _  tes Select all that apply: er future use eith other patients	
42	Date retrieval perform  Total number of patie  Total number of dono  Use of retrieved oocyt  Used for this cycle  Oocytes frozen for  Oocytes shared w  Embryos frozen for	ned (mm/dd/yyyy):   _ - _ - _    ent oocytes retrieved:   _  or oocytes retrieved:   _  tes Select all that apply: er future use eith other patients	
42 43 44	Date retrieval perform  Total number of patie  Total number of dono  Use of retrieved oocyt  Used for this cycle  Oocytes frozen for  Oocytes shared w  Embryos frozen for  [SKIP IF NO OOCYTES FROZEN]	ned (mm/dd/yyyy):   _ - _ - _ _  ent oocytes retrieved:   _  or oocytes retrieved:   _  tes Select all that apply: er future use eith other patients or future use	
42 43 44	Date retrieval perform  Total number of patie  Total number of dono  Use of retrieved oocyt  Used for this cycle  Oocytes frozen for  Oocytes shared w  Embryos frozen for  [SKIP IF NO OOCYTES FROZEN]  COMPLICATIONS OF O	ent oocytes retrieved:  _ _   or oocytes retrieved:  _ _   tes Select all that apply:  or future use  or future use  Number of FRESH oocytes frozen for future use:  _    DVARIAN STIMULATION OR OOCYTE RETRIEVAL  Solications of ovarian stimulation or oocyte retrieval?	
42 43 44 44A	Date retrieval perform  Total number of patie  Total number of dono  Use of retrieved oocyt  Used for this cycle  Oocytes frozen for  Oocytes shared w  Embryos frozen for  [SKIP IF NO OOCYTES FROZEN]  COMPLICATIONS OF O	ned (mm/dd/yyyy):   _   -      -	

[IF OOCYTE BANKING CYCLE ONLY, STOP HERE]

	SPERM RETRIEVAL			
	Sperm status:			
46	Fresh			
	Thawed  Mix of fresh and thawed			
	Mix of fresh and thawed			
	Sperm source utilize	d:		
	○○ Ejaculated			
	○○ Epididymal			
47	○○ Testis			
77	○○ Electroejaculati			
	○ Retrograde urine			
	○ Donor			
	○ Unknown			
		LABORATORY INFORMATION		
Quex ID	LEAD QUESTION			
	MANIPULATION			
	Intracytoplasmic spe	erm injection (ICSI) performed on oocytes?		
	○ All oocytes	, , ,,		
48	○ Some oocytes			
	○ No oocytes			
	○ Unknown			
	0	Indication for ICSI (select all that apply)		
		○ Prior failed fertilization		
		O Poor fertilization		
		O PGD		
		Abnormal semen parameters on day of fertilization		
48A	SKIP IF NO ICSI	O Low oocyte yield		
		C Laboratory routine		
		○ Frozen cycle		
		○ Rescue ICSI		
		Other - specify		
	In vitue week, wetten /	IVM) performed on oocytes?		
		ivm) performed on oocytes:		
40	○ All oocytes			
49	○ Some oocytes			
	O No oocytes			
	O Unknown			
		netic diagnosis or screening performed on embryos?		
50	○○ Yes			
	O Olikilowii	○○ Unknown		
50A		Total number of 2PN:   _		
	_	Reason(s) for pre-implantation genetic diagnosis or screening (Select all that apply):		
		Either genetic parent is a known carrier of a gene mutation or a chromosomal abnormality		
50B		Aneuploidy screening of the embryos		
	SKIP IF PGD/PGS	Elective Gender Determination		
	NOT PERFORMED	Other screening of the embryos		
	OR UNKNOWN	Technique(s) used for pre-implantation genetic diagnosis or screening (Select all that apply):		
50C		Polar Body Biopsy		
		Blastomere Biopsy		
		Blastocyst Biopsy		
		Unknown		
	Assisted hatching no	rformed on embryos?		
	○ All embryos	anormed on empryos:		
51	○ Some embryos			
	○ No embryos			
	O Unknown			

52	Was this a research cycle?  O Yes Enter SART approval code  No			
52A	SKIP IF NOT RESEARCH CYCLE	Study type:  Device study Protocol study Pharmaceutical study Laboratory technique Other research		
		If 'Other', please specify		
	[IF EMBRYO BANKIN	G CYCLE <u>ONLY</u> , SKIP TO #59, THEN STOP]		
		TRANSFER		
Quex ID	LEAD QUESTION			
53	CANCELLATION-II  Was a transfer atte  Yes No	mpted?		
53 <b>A</b>	[IF TRANSFER NO	Select one primary reason no transfer was attempted:  Low ovarian response High ovarian response Failure to survive oocyte thaw Inadequate endometrial response Concurrent illness Withdrawal only for personal reasons Unable to obtain sperm specimen Insufficient embryos OTHER - specify  TATTEMPTED, STOP HERE		
	GENERAL TRANSFE	ER DETAILS		
54	Date of embryo transfer (mm/dd/yyyy):   _  -    -   _			
55	Endometrial thick	ness at trigger:   _mm		
	FRESH EMBRYO TF			
56	Number of FRESH	BRYOS TRANSFERRED, SKIP #57-58] embryos transferred to uterus:   _		
57	_	[SKIP #57 FOR MIXED CYCLE]  If only one fresh embryo was transferred to the uterus, was this an elective single embryo transfer?  ○Yes ○ No		
58A-X	Quality of embryo Good Fair Poor Unknow			
		Date of oocyte retrieval for embryo #1-X   _  -     -		
59		embryos cryopreserved:     [STOP HERE FOR EMBRYO BANKING ONLY CYCLE]		
	THAWED EMBRYO	TRANSFER DETAILS		
60	Number of FROZE	N or THAWED embryos available on day of transfer:		
61	Number of THAW	ED embryos transferred to uterus:   _  [IF NO THAWED EMBRYOS TRANSFERRED, SKIP #62]		

62	[SKIP #63 FOR MIXED CYCLE]  If only one thawed embryo was transferred to the uterus, was this an elective single embryo transfer?  ○○Yes ○ No		
62A-X	Quality of embryo # Good Fair Poor Unknown	1-X	
		Date of oocyte retrieval for embryo #1-X   _  -    -   _  -	
63	Number of THAWED embryos cryopreserved (re-frozen):   _		
	GIFT/ZIFT/TET TRAN [SKIP IF IVF CYCLE]	SFER DETAILS	
64		or embryos transferred to the FALLOPIAN TUBE:   _	
	,	TREATMENT OUTCOME (only opens if transfer >0)	
Quex ID	LEAD QUESTION		
	OUTCOME OF TRANSF		
	Outcome of treatmer  Not pregnar  Biochemical	only	
65	Ectopic Heterotopic Unknown	outerine gestation	
		BIOCHEMICAL ONLY, ECTOPIC, OR HETEROTOPIC, STOP HERE]	
66		Maximum fetal hearts on ultrasound performed before 7 weeks or prior to reduction:   _   No ultrasound performed before 7 weeks gestation	
66A	[SKIP IF NO U/S]	Date ultrasound with max. number of fetal hearts observed before 7 weeks (mm/dd/yyyy):   _  -   _ _	
66B	[SKIP IF NO U/S]	If 2 or more fetal hearts, any monochorionic twins or multiples? OYes ONo OUnknown	
		PREGNANCY OUTCOME (only opens if pregnancy = yes)	
Quex ID	LEAD QUESTION		
	OUTCOME OF PREGNA		
67	Outcome of pregnance Live birth Spontaneou Stillbirth Induced about Maternal de	s abortion ortion eath prior to birth	
68	Date of pregnancy outcome (mm/dd/yyyy):    _  -   _  -   _  NOTE: If multiple births cover more than one date, enter date of first born.		
68A	Method of delivery  Vaginal  Cesarean se	ction	
69		n confirming pregnancy outcome:	
= -	(Select all that apply)		
		rmation from patient	
		firmation from patient	
		rmation from physician or hospital	

	Written confirmation from physician or hospital		
	BIRTH INFORMATION		
70	Number of infants born:   _		
71A-X	Birth Status infant #1-X  Live birth  Stillbirth  Unknown		
72A-X	Gender infant #1-X  Male Female  Unknown		
73A-X	Weight in pounds and ounces, or grams infant #1-X      lbs and     oz. OR    _  g  OR  Weight unknown		
74A-X	Birth defects (select all that apply) infant #1-X  None  Cleft lip/palate  Genetic defect/chromosomal abnormality  Neural tube defect  Cardiac defect  Limb defect  Other (specify)  OR  Unknown		
75A-X	For liveborn infant, did neonatal death occur? infant #1-X  Yes  No  Unknown		