

ATTACHMENT C8-a.

Overview of NASS Data Elements Used for Success Rates Calculations, and Publication Plan

	Data to be Reported ¹	Variable status ² (add, drop, modify, unchanged)	Used in Success Rates Calculations ³	'Other Significant Factors' (FCSRCA) Affecting Success Rates ³	Dissemination and Publication Plan
1	Date of cycle reporting	Add	X		ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
2	NASS Patient ID	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
3	Patient Optional Identifiers	Modify			Optional Field for Clinic Use
4	Date of Birth (Patient)	Unchanged		X	ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
5	Sex of patient seeking ART	Add		X	Supplemental Publications
6	Cycle start date	Modify	X		ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
7	Patient US Resident	Modify		X	ART Surveillance Summary Supplemental Publications
8	Patient Country of Residence (if not United States)	Unchanged		X	ART Surveillance Summary Supplemental Publications
9	Patient State of Residence	Modify		X	ART Surveillance Summary Supplemental Publications
10	Patient city of residence	Modify		X	ART Surveillance Summary Supplemental Publications
11	Patient Zip Code of residence	Modify		X	ART Surveillance Summary Supplemental Publications
12	Intended cycle type	Modify		X	ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary

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					Supplemental Publications
13	Embryo or oocyte banking type	Modify	X	X	ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
14	Intended duration of oocyte banking	Add		X	ART Clinic Success Rates Report ART National Summary Report Data Validation Supplemental Publications
15	Intended duration of embryo banking	Add		X	ART Clinic Success Rates Report ART National Summary Report Data Validation Supplemental Publications
16	Intended embryo source	Modify		X	ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
17	Intended Oocyte Source and state	Modify		X	ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
18	Intended Sperm Source (Partner, Donor, Mixed)	Modify		X	ART National Summary Report Supplemental Publications
19	Intended pregnancy carrier	Modify		X	ART Clinic Success Rates Report ART National Summary Report Supplemental Publications
20	Cycle type	Modify		X	ART Clinic Success Rates Report ART National Summary Report Data Validation Supplemental Publications
21	Embryo source	Modify		X	ART Clinic Success Rates Report ART National Summary Report Data Validation

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					Supplemental Publications
22	Oocyte Source and state	Modify		X	ART Clinic Success Rates Report ART National Summary Report Data Validation Supplemental Publications
23	Reason for ART	Modify		X	ART Clinic Success Rates Report ART National Summary Report Data Validation Supplemental Publications
24	Female Patient Height	Unchanged		X	Supplemental Publications
25	Female Patient Weight at the start of this cycle	Unchanged		X	Supplemental Publications
26	History of cigarette smoking	Modify		X	Supplemental Publications
27	Prior pregnancy	Add		X	ART National Summary Report Supplemental Publications
28	Months attempting pregnancy (if couple is not surgically sterile)	Add		X	Supplemental Publications
29	Female Patient Gravidity	Modify		X	ART National Summary Report Supplemental Publications
30	Prior Full-Term Births	Unchanged		X	ART National Summary Report Supplemental Publications
31	Prior Preterm Births	Unchanged		X	ART National Summary Report Supplemental Publications
32	Number of Prior Stillbirths	Add		X	ART National Summary Report Supplemental Publications
33	Prior Spontaneous Abortions (miscarriage)	Unchanged		X	ART National Summary Report Supplemental Publications
34	Prior ectopic pregnancies	Add		X	ART National Summary Report Supplemental Publications
35	Prior stimulations for ART	Modify		X	ART National Summary Report Supplemental Publications
36	Prior Frozen ART Cycles	Unchanged		X	ART National Summary Report Supplemental Publications
37	Prior ART cycles resulted in pregnancy	Add		X	ART National Summary Report Supplemental Publications

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38	Female Patient Maximum Follicle Stimulating Hormone (FSH) Level	Modify		X	Supplemental Publications
39	Anti-Mullerian Hormone (AMH) level (ng/mL)	Add		X	Supplemental Publications
40	Date of Birth (Oocyte source)	Modify		X	ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
41	Oocyte source ethnicity	Modify		X	Supplemental Publications
42	Oocyte source race	Modify		X	Supplemental Publications
43	Pregnancy carrier	Modify		X	ART Clinic Success Rates Report ART National Summary Report Supplemental Publications
44	Pregnancy carrier date of birth	Modify		X	Supplemental Publications
45	Pregnancy carrier Ethnicity	Modify		X	Supplemental Publications
46	Pregnancy carrier Race	Modify		X	Supplemental Publications
47	Sperm source	Modify		X	ART National Summary Report Supplemental Publications
48	Sperm source date of birth	Add		X	Supplemental Publications
49	Sperm source Ethnicity	Add		X	Supplemental Publications
50	Sperm source Race	Add		X	Supplemental Publications
51	Medications given to stimulate follicular development	Unchanged		X	ART Clinic Success Rates Report Supplemental Publications
52	Oral medications given	Modify		X	Supplemental Publications
53	Medications containing FSH	Modify		X	Supplemental Publications
54	Medications with LH/HCG activity	Add		X	Supplemental Publications
55	GnRH Protocol	Modify		X	Supplemental Publications
56	Cycle cancelled before retrieval	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report Data Validation Supplemental Publications
57	Date of Cancellation	Unchanged		X	Supplemental Publications
58	Reason for Cancel	Modify		X	ART National Summary Report Supplemental Publications

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59	Date of Oocyte Retrieval	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report Supplemental Publications
60	Number of Patient Oocytes Retrieved	Unchanged		X	Supplemental Publications
61	Number of Donor Oocytes Retrieved	Unchanged		X	Supplemental Publications
62	Use of retrieved oocytes	Modify		X	ART Clinic Success Rates Report Supplemental Publications
63	Number of Fresh Oocytes Cryopreserved	Unchanged		X	ART National Summary Report Supplemental Publications
64	Complications of stimulation or retrieval	Add		X	Supplemental Publications
65	Type of complications related to ovarian stimulation or oocyte retrieval	Modify		X	Supplemental Publications
66	Hospitalization for Complication	Modify		X	Supplemental Publications
67	Sperm State	Add		X	Supplemental Publications
68	Sperm Collection Method (Ejaculation, Epididymal Aspiration, Testicular Biopsy, Electroejaculation, Retrograde Ejaculation)	Modify		X	Supplemental Publications
69	Use of Intracytoplasmic Sperm Injection	Modify		X	ART Clinic Success Rates Report ART National Summary Report Supplemental Publications
70	Indication for ICSI	Add		X	ART National Summary Report Supplemental Publications
71	In vitro maturation used?	Modify		X	ART Clinic Success Rates Report ART National Summary Report Supplemental Publications
72	PGD or PGS performed on embryos	Unchanged		X	ART Clinic Success Rates Report ART National Summary Report Supplemental Publications
73	Total 2PN	Add		X	Supplemental Publications
74	Pre-implantation genetic diagnosis	Modify		X	Supplemental Publications

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	(PGD) or screening (PGS) reason				
75	Pre-implantation genetic diagnosis or screening technique	Add		X	Supplemental Publications
76	Use of Assisted Hatching	Modify		X	ART National Summary Report Supplemental Publications
77	Research cycle	Add		X	ART Clinic Success Rates Report ART National Summary Report ART Surveillance Summary Supplemental Publications
78	Study type	Modify		X	ART Clinic Success Rates Report Supplemental Publications
79	Transfer attempted	Modify	X		ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
80	Reason transfer not attempted	Add		X	ART National Summary Report Supplemental Publications
81	Transfer Date	Unchanged		X	ART Clinic Success Rates Report ART National Summary Report Supplemental Publications
82	Endometrial Thickness	Add		X	Supplemental Publications
83	Number of Fresh Embryos Transferred to Uterus	Unchanged	X	X	ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
84	Elective single embryo transfer (fresh transfers)	Unchanged	X	X	ART Clinic Success Rates Report ART National Summary Report ART Surveillance Summary Supplemental Publications
85	Quality of embryo (fresh transfers)	Add		X	ART National Summary Report Supplemental Publications
86	Number of Fresh Embryos Cryopreserved	Unchanged		X	ART National Summary Report Supplemental Publications
87	Number of Thawed Embryos	Unchanged	X	X	ART Clinic Success Rates Report

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	Transferred to Uterus				ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
88	Elective single embryo transfer (frozen transfers)	Modify	X	X	ART Clinic Success Rates Report ART National Summary Report ART Surveillance Summary Supplemental Publications
89	Quality of embryo (frozen transfers)	Add		X	ART National Summary Report Supplemental Publications
90	Date of oocyte retrieval (thawed embryos)	Add	X		ART Clinic Success Rates Report ART National Summary Report Supplemental Publications
91	Number of Thawed Embryos Cryopreserved (re-frozen)	Unchanged		X	ART National Summary Report Supplemental Publications
92	Number of Oocytes or embryos Transferred to Fallopian Tubes	Modify	X	X	ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
93	Outcome of Treatment (Not Pregnant, Biochemical Pregnancy, Ectopic Pregnancy, Clinical Intrauterine Gestation, Heterotopic Pregnancy, Unknown)	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report Data Validation Supplemental Publications
94	Maximum Number of Fetal Hearts Observed on Ultrasound	Modify	X		ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
95	Ultrasound Date	Modify		X	Supplemental Publications
96	Monochorionicity	Add		X	Supplemental Publications
97	Outcome of Pregnancy (Live birth, Stillbirth, Spontaneous Abortion, Induced Abortion, Maternal Death Prior to Birth, Unknown)	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary

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					Supplemental Publications
98	Date of Pregnancy Outcome	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
99	Method of delivery	Add		X	Supplemental Publications
100	Source of information on pregnancy outcome	Unchanged		X	Supplemental Publications
101	Number of Infants Born	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report Data Validation ART Surveillance Summary Supplemental Publications
102	Birth outcome for Each Infant	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report ART Surveillance Summary Supplemental Publications
103	Gender for each liveborn or stillborn infant	Unchanged		X	Supplemental Publications
104	Birth weight for Each Live-born and Stillborn Infant	Unchanged	X		ART Clinic Success Rates Report ART National Summary Report ART Surveillance Summary Supplemental Publications
105	Birth Defects Diagnosed for Each Live-born and Stillborn Infant (Genetic Defect/Chromosomal Abnormality, Cleft Lip or Palate, Neural Tube Defect, Cardiac Defect, Limb Defect, Other Defect)	Modify		X	Supplemental Publications
106	Lab Upper Normal Limit for that FSH level	Drop			
107	Lab upper normal FSH unknown	Drop			
108	FSH Unknown	Drop			
109	Patient Maximum Estradiol Level	Drop			
110	Lab Upper Normal Limit for that	Drop			

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	Estradiol Level				
111	Number of Fresh Embryos Transferred to Fallopian Tubes	Drop			
112	Number of Thawed Embryos Transferred to Fallopian Tubes	Drop			
113	Surgical Sterilization—Patient or Partner	Drop			
114	Was an Ultrasound Performed?	Drop			
115	Donor medicated to stimulate follicular development	Drop			
116	Donor medications containing clomiphene	Drop			
117	Donor clomiphene dosage	Drop			
118	Donor medications containing FSH	Drop			
119	Donor GnRH protocol	Drop			
120	Patient smoked 100 cigarettes during life	Drop			
121	Average daily cigarettes smoked	Drop			

1 See Attachment C6 for Detailed Item Descriptions

2 See Attachment C6 for detailed justification of changes, including citations from scientific literature

3 See Attachment C8-b for Success Rate Calculations and methodology