

## **Appendix A: Numeric Grid Tracking Sheet and Patient Data Cards**

Grid sheet to track patient number

1	11	21	31	41	51	61	71	81	91	101	111	121	131	141
2	12	22	32	42	52	62	72	82	92	102	112	122	131	142
3	13	23	33	43	53	63	73	83	93	103	113	123	133	143
4	14	24	34	44	54	64	74	84	94	104	114	124	134	144
5	15	25	35	45	55	65	75	85	95	105	115	125	135	
6	16	26	36	46	56	66	76	86	96	106	116	126	136	
7	17	27	37	47	57	67	77	87	97	107	117	127	137	
8	18	28	38	48	5	68	78	88	98	108	118	128	138	
9	19	29	39	49	59	69	79	89	99	109	119	129	139	
10	20	30	40	50	60	70	80	90	100	110	120	130	140	

Patient Number **1**  
Patient Name: **Noreen** Theophylline level: **10**  $\mu\text{g/mL}$   
Age and Gender: **44 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: **none**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **2**  
Patient Name: **Karen** Theophylline level: **20**  $\mu\text{g/mL}$   
Age and Gender: **57 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Arthritis**  
Other medications: **Advil**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **3**  
Patient Name: **Randy** Theophylline level: **12**  $\mu\text{g/mL}$   
Age and Gender: **26 yo Male** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: **Diabetes**  
Other medications: **Insulin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **4**  
Patient Name: **Edwardo** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **37 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Migraines**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **5**  
Patient Name: **Brian** Theophylline **10**  
level:  $\mu\text{g/mL}$   
Age and Gender: **65 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: **Blood pressure medication**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **6**  
Patient Name: **Jimmin** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **34 yo Male** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: **Migraines**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **7**  
Patient Name: **Harold** Theophylline level: **8**  $\mu\text{g/mL}$   
Age and Gender: **7 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **8**  
Patient Name: **Josie** Theophylline level: **9**  $\mu\text{g/mL}$   
Age and Gender: **27 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **9**  
Patient Name: **Clayton** Theophylline level: **8**  $\mu\text{g/mL}$   
Age and Gender: **13 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **10**  
Patient Name: **Arthur** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **37 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **11**  
Patient Name: **Clara** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **32 yo Female** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: **Diabetes**  
Other medications: **Insulin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **12**  
Patient Name: **William** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **24 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **sedentary**

Patient Number **13**  
Patient Name: **Bill** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **37 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Arthritis**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **moderate**

Patient Number **14**  
Patient Name: **Sam** Theophylline **31**  
level:  $\mu\text{g/mL}$   
Age and Gender: **55 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **Blood pressure medication**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **15**  
Patient Name: **Alison** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **9 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **16**  
Patient Name: **Martha** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **33 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **Migraines**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **17**  
Patient Name: **Maria** Theophylline **31**  
level:  $\mu\text{g/mL}$   
Age and Gender: **52 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **18**  
Patient Name: **Ed** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **37 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **19**  
Patient Name: **Derrick** Theophylline level: **39**  $\mu\text{g/mL}$   
Age and Gender: **43 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Arthritis**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **20**  
Patient Name: **Anthony** Theophylline level: **10**  $\mu\text{g/mL}$   
Age and Gender: **47 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **21**  
Patient Name: **Missy** Theophylline level: **8**  $\mu\text{g/mL}$   
Age and Gender: **31 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **22**  
Patient Name: **Maven** Theophylline **10**  
level:  $\mu\text{g/mL}$   
Age and Gender: **63 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **corticosteroids**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **23**  
Patient Name: **Chuck** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **61 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **24**  
Patient Name: **Ricardo** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **61 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Diabetes**  
Other medications: **Insulin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **25**  
Patient Name: **Katheryn** Theophylline level: **15**  $\mu\text{g/mL}$   
Age and Gender: **27 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **26**  
Patient Name: **Sandra** Theophylline level: **15**  $\mu\text{g/mL}$   
Age and Gender: **30 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Migraines**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **27**  
Patient Name: **Cheryl** Theophylline level: **12**  $\mu\text{g/mL}$   
Age and Gender: **6 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**



Patient Number **31**  
Patient Name: **Bev** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **36 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **32**  
Patient Name: **Sharon** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **9 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **33**  
Patient Name: **Johnnie** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **21 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **34**  
Patient Name: **Nan** Theophylline **9**  
level:  $\mu\text{g/mL}$   
Age and Gender: **24 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **35**  
Patient Name: **Erin** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **12 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **36**  
Patient Name: **Clarise** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **24 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **37**  
Patient Name: **Mark** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **58 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **38**  
Patient Name: **Samuel** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **29 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **39**  
Patient Name: **Daniel** Theophylline **10**  
level:  $\mu\text{g/mL}$   
Age and Gender: **60 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **40**  
Patient Name: **Andy** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **54 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **41**  
Patient Name: **Alison** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **24 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Diabetes**  
Other medications: **Insulin**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **42**  
Patient Name: **Oliver** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **33 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **43**  
Patient Name: **Mark** Theophylline **10**  
level:  $\mu\text{g/mL}$   
Age and Gender: **46 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications:  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **44**  
Patient Name: **Chet** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **45**  
Patient Name: **Maria** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **21 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **active**

Patient Number **46**  
Patient Name: **Chris** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **47 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Arthritis**  
Other medications: **Motrin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **47**  
Patient Name: **Mindy** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **48 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **48**  
Patient Name: **Carole** Theophylline **10**  
level:  $\mu\text{g/mL}$   
Age and Gender: **56 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: **Blood pressure medication**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **49**  
Patient Name: **Roslyn** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **11 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **50**  
Patient Name: **Betty** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **56 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **51**  
Patient Name: **Chester** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Male** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **52**  
Patient Name: **Adam** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **55 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Diabetes**  
Other medications: **Insulin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **53**  
Patient Name: **Loren** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **33 yo Female** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: **----**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **54**  
Patient Name: **Donna** Theophylline **9**  
level:  $\mu\text{g/mL}$   
Age and Gender: **26 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **55**  
Patient Name: **Stephen** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **23 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **56**  
Patient Name: **Peter** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **15 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **57**  
Patient Name: **Diane** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **38 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Diabetes**  
Other medications: **Insulin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **58**  
Patient Name: **Kelly** Theophylline **9**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **59**  
Patient Name: **Ann** Theophylline **31**  
level:  $\mu\text{g/mL}$   
Age and Gender: **62 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **60**  
Patient Name: **Jodi** Theophylline **9**  
level:  $\mu\text{g/mL}$   
Age and Gender: **21 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use:  
Exercise Activity Level: **moderate**

Patient Number **61**  
Patient Name: **Larry** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **35 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **sedentary**

Patient Number **62**  
Patient Name: **Martha** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **60 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **63**  
Patient Name: **Anna** Theophylline **39**  
level:  $\mu\text{g/mL}$   
Age and Gender: **52 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Arthritis**  
Other medications: **corticosteroids**  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **moderate**



Patient Number **67**  
Patient Name: **Cindi** Theophylline level: **11**  $\mu\text{g/mL}$   
Age and Gender: **23 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **moderate**

Patient Number **68**  
Patient Name: **Pat** Theophylline level: **20**  $\mu\text{g/mL}$   
Age and Gender: **43 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Migraines**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **69**  
Patient Name: **Gladys** Theophylline level: **9**  $\mu\text{g/mL}$   
Age and Gender: **28 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **70**  
Patient Name: **Vanessa** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **5 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **71**  
Patient Name: **Gary** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **29 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **72**  
Patient Name: **Nancy** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **62 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **73**  
Patient Name: **Angelo** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **39 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Migraines**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **74**  
Patient Name: **Carla** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **44 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Arthritis**  
Other medications: **Advil**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **75**  
Patient Name: **Elise** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **22 yo Female** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **76**  
Patient Name: **Elline** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **36 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **77**  
Patient Name: **Laura** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **27 yo Female** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: ----  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **78**  
Patient Name: **Jaques** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **37 yo Male** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **79**  
Patient Name: **Dick** Theophylline level: **12**  $\mu\text{g/mL}$   
Age and Gender: **35 yo Male** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **80**  
Patient Name: **Rick** Theophylline level: **39**  $\mu\text{g/mL}$   
Age and Gender: **58 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Liver Cirrohsis**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **81**  
Patient Name: **Liz** Theophylline level: **9**  $\mu\text{g/mL}$   
Age and Gender: **38 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **82**  
Patient Name: **Lynne** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **83**  
Patient Name: **Sherry** Theophylline **10**  
level:  $\mu\text{g/mL}$   
Age and Gender: **42 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: **corticosteroids**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **84**  
Patient Name: **Johanna** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **43 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **85**  
Patient Name: **Jackie** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Female** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: **----**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **86**  
Patient Name: **Iassac** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **27 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **moderate**

Patient Number **87**  
Patient Name: **Clarence** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **65 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **88**  
Patient Name: **Ella** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **89**  
Patient Name: **Patrick** Theophylline **39**  
level:  $\mu\text{g/mL}$   
Age and Gender: **41 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Liver Cirrohsis**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **90**  
Patient Name: **Marilyn** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **57 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **91**  
Patient Name: **Mauria** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **sedentary**

Patient Number **92**  
Patient Name: **Ginger** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **27 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **93**  
Patient Name: **Chuck** Theophylline **31**  
level:  $\mu\text{g/mL}$   
Age and Gender: **57 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **Blood pressure medication**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **94**  
Patient Name: **Adam** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **6 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **95**  
Patient Name: **Gayle** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **49 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: **Blood pressure medication**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **96**  
Patient Name: **Jason** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **26 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **97**  
Patient Name: **Charlie** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **36 yo Male** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: ----  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **98**  
Patient Name: **Ray** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **13 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **99**  
Patient Name: **Jerri** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **22 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **100**  
Patient Name: **Timothy** Theophylline level: **15**  $\mu\text{g/mL}$   
Age and Gender: **38 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **101**  
Patient Name: **Glenda** Theophylline level: **9**  $\mu\text{g/mL}$   
Age and Gender: **23 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **102**  
Patient Name: **Renee** Theophylline level: **12**  $\mu\text{g/mL}$   
Age and Gender: **4 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **103**  
Patient Name: **Sally** Theophylline **39**  
level:  $\mu\text{g/mL}$   
Age and Gender: **63 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Diabetes**  
Other medications: **Insulin**  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **104**  
Patient Name: **Lee** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **32 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **active**

Patient Number **105**  
Patient Name: **Arron** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **15 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **106**  
Patient Name: **Robert** Theophylline level: **39**  $\mu\text{g/mL}$   
Age and Gender: **42 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **107**  
Patient Name: **John** Theophylline level: **8**  $\mu\text{g/mL}$   
Age and Gender: **10 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **108**  
Patient Name: **Laurie** Theophylline level: **12**  $\mu\text{g/mL}$   
Age and Gender: **38 yo Female** Clinical notes: **asthma controlled**  
Weight: **obese**  
Other diseases: **Diabetes**  
Other medications: **Insulin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **109**  
Patient Name: **Jim** Theophylline level: **31**  $\mu\text{g/mL}$   
Age and Gender: **49 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **sedentary**

Patient Number **110**  
Patient Name: **Judy** Theophylline level: **39**  $\mu\text{g/mL}$   
Age and Gender: **62 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Liver Cirrohsis**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **111**  
Patient Name: **Marc** Theophylline level: **15**  $\mu\text{g/mL}$   
Age and Gender: **36 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **112**  
Patient Name: **Eve** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **54 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **113**  
Patient Name: **James** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **59 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **114**  
Patient Name: **Grant** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **17 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **115**  
Patient Name: **Dan** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **48 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Migraines**  
Other medications: **corticosteroids**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **116**  
Patient Name: **Jo** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **61 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **117**  
Patient Name: **Benson** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **61 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **118**  
Patient Name: **Rose** Theophylline **31**  
level:  $\mu\text{g/mL}$   
Age and Gender: **48 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **119**  
Patient Name: **Lee Ann** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **33 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **sedentary**

Patient Number **120**  
Patient Name: **Peter** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **62 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **light**

Patient Number **121**  
Patient Name: **Norma** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **122**  
Patient Name: **James** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **42 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **123**  
Patient Name: **Susan** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **15 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **124**  
Patient Name: **Jeff** Theophylline level: **31**  $\mu\text{g/mL}$   
Age and Gender: **51 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **Blood pressure medication**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **125**  
Patient Name: **Mary** Theophylline level: **9**  $\mu\text{g/mL}$   
Age and Gender: **32 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **126**  
Patient Name: **Ivan** Theophylline level: **8**  $\mu\text{g/mL}$   
Age and Gender: **4 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **127**  
Patient Name: **David** Theophylline **24**  
level:  $\mu\text{g/mL}$   
Age and Gender: **62 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **Blood pressure medication**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **128**  
Patient Name: **Ricky** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **33 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **129**  
Patient Name: **Sadie** Theophylline **8**  
level:  $\mu\text{g/mL}$   
Age and Gender: **22 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **130**  
Patient Name: **Linda** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **18 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **131**  
Patient Name: **Stanley** Theophylline **15**  
level:  $\mu\text{g/mL}$   
Age and Gender: **23 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **132**  
Patient Name: **Jill** Theophylline **9**  
level:  $\mu\text{g/mL}$   
Age and Gender: **31 yo Female** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: ----  
Other medications: **oral contraceptives**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **133**  
Patient Name: **Josh** Theophylline level: **20**  $\mu\text{g/mL}$   
Age and Gender: **64 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Arthritis**  
Other medications: **Aleve**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **----**  
Exercise Activity Level: **moderate**

Patient Number **134**  
Patient Name: **Melissa** Theophylline level: **39**  $\mu\text{g/mL}$   
Age and Gender: **47 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **135**  
Patient Name: **Lisa** Theophylline level: **20**  $\mu\text{g/mL}$   
Age and Gender: **58 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **136**  
Patient Name: **Angelo** Theophylline level: **8**  $\mu\text{g/mL}$   
Age and Gender: **30 yo Male** Clinical notes: **continued asthma**  
Weight: **lean**  
Other diseases: **Arthritis**  
Other medications: **Motrin**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **active**

Patient Number **137**  
Patient Name: **Frank** Theophylline level: **31**  $\mu\text{g/mL}$   
Age and Gender: **67 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**

Patient Number **138**  
Patient Name: **Charles** Theophylline level: **39**  $\mu\text{g/mL}$   
Age and Gender: **62 yo Male** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Hypertension**  
Other medications: **----**  
Lifestyle Factors:  
Alcohol consumption: **heavy**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **<4**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **139**  
Patient Name: **Mary** Theophylline **12**  
level:  $\mu\text{g/mL}$   
Age and Gender: **16 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: ----  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **0**  
Other drug use: ----  
Exercise Activity Level: **moderate**

Patient Number **140**  
Patient Name: **Laurisa** Theophylline **11**  
level:  $\mu\text{g/mL}$   
Age and Gender: **38 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: **occasional aspirin**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: **>2 Marijuana joints/week**  
Exercise Activity Level: **active**

Patient Number **141**  
Patient Name: **Barbara** Theophylline **20**  
level:  $\mu\text{g/mL}$   
Age and Gender: **42 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: ----  
Other medications: **corticosteroids**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **0**  
Caffeine Consumption (cups/day): **>4**  
Other drug use: ----  
Exercise Activity Level: **active**

Patient Number **142**  
Patient Name: **Cindy** Theophylline level: **10**  $\mu\text{g/mL}$   
Age and Gender: **47 yo Female** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **Migraines**  
Other medications: **corticosteroids**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **143**  
Patient Name: **Roger** Theophylline level: **15**  $\mu\text{g/mL}$   
Age and Gender: **35 yo Male** Clinical notes: **asthma controlled**  
Weight: **lean**  
Other diseases: **----**  
Other medications: **occasional Tylenol**  
Lifestyle Factors:  
Alcohol consumption: **none**  
Cigarette smoking status (packs/day): **<1**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **light**

Patient Number **144**  
Patient Name: **Julie** Theophylline level: **24**  $\mu\text{g/mL}$   
Age and Gender: **64 yo Female** Clinical notes: **adverse effects**  
Weight: **lean**  
Other diseases: **Congestive Heart Failure**  
Other medications: **Blood pressure medication**  
Lifestyle Factors:  
Alcohol consumption: **social**  
Cigarette smoking status (packs/day): **>2**  
Caffeine Consumption (cups/day): **0**  
Other drug use: **----**  
Exercise Activity Level: **sedentary**