

## Supplementary file 1

**Table S1.** Frequency of reported units of opium and their corresponding estimated mass in grams in Tehran.

Unit name	Frequency of Report	25% Percentile (g)	Median (g)	75% Percentile (g)	5% Trimmed Mean (g)	IQR <sup>†</sup> (g)	Min <sup>†</sup> (g)	Max <sup>†</sup> (g)	Expected Standard <sup>‡</sup> (g)
Gram	9	0.24	0.32	0.59	0.45	0.35	0.08	1.36	1.00
Nokhod	11	0.08	0.08	0.56	0.32	0.48	0.05	1.44	0.20
Mesghaal	10	0.81	1.28	1.62	1.25	0.81	0.19	2.25	4.58
Hab/Habeh	5	0.16	0.32	0.32	0.25	0.16	0.16	0.32	0.20
Bast	15	0.08	0.16	0.32	0.18	0.24	0.04	0.32	0.1
Adas	3	0.04	0.08	0.08	0.06	0.04	0.04	0.08	0.048
Soot	0	—	—	—	—	—	—	—	0.001

**Table S2.** Frequency of reported units of opium and their corresponding estimated mass in grams in Tabriz.

Unit name	Frequency of Report	25% Percentile (g)	Median (g)	75% Percentile (g)	5% Trimmed Mean (g)	IQR <sup>†</sup> (g)	Min <sup>†</sup> (g)	Max <sup>†</sup> (g)	Expected Standard <sup>‡</sup> (g)
Gram	16	0.16	0.24	0.32	0.22	0.16	0.03	0.37	1.00
Nokhod	5	0.08	0.16	0.16	0.13	0.08	0.08	0.20	0.20
Mesghaal	0	—	—	—	—	—	—	—	4.58
Hab/Habeh	0	—	—	—	—	—	—	—	0.20
Bast	0	—	—	—	—	—	—	—	0.1
Adas	1	0.08	0.08	0.08	0.08	0	0.08	0.08	0.048
Soot	0	—	—	—	—	—	—	—	0.001

**Table S3.** Frequency of reported units of opium and their corresponding estimated mass in grams in Mashhad.

Unit name	Frequency of Report	25% Percentile (g)	Median (g)	75% Percentile (g)	5% Trimmed Mean (g)	IQR <sup>†</sup> (g)	Min <sup>†</sup> (g)	Max <sup>†</sup> (g)	Expected Standard <sup>‡</sup> (g)
Gram	13	0.16	0.24	0.32	0.33	0.16	0.09	0.96	1.00
Nokhod	9	0.08	0.16	0.16	0.16	0.08	0.07	0.32	0.20
Mesghaal	4	0.56	0.72	0.86	0.71	0.30	0.48	0.92	4.58
Hab/Habeh	0	—	—	—	—	—	—	—	0.20
Bast	1	0.32	0.32	0.32	0.32	0	0.32	0.32	0.1
Adas	2	0.08	0.08	0.08	0.08	0.007	0.08	0.08	0.048
Soot	1	0.32	0.32	0.32	0.03	0	0.32	0.32	0.001

**Table S4.** Frequency of reported units of opium and their corresponding estimated mass in grams in Kermanshah.

Table 34. Frequency of reported units of opium and their corresponding estimated mass in grams in Kermanshan.									
Unit Name	Frequency of Report	25% Percentile (g)	Median (g)	75% Percentile (g)	5% Trimmed Mean (g)	IQR <sup>†</sup> (g)	Min <sup>†</sup> (g)	Max <sup>†</sup> (g)	Expected Standard <sup>‡</sup> (g)
Gram	36	0.16	0.24	0.32	0.25	0.16	0.08	0.69	1.00
Nokhod	2	0.16	0.16	0.16	0.16	0.001	0.16	0.16	0.20
Mesghaal	2	1.44	1.69	1.93	1.69	0.48	1.44	1.93	4.58
Hab/Habeh	0	—	—	—	—	—	—	—	0.20
Bast	0	—	—	—	—	—	—	—	0.1
Adas	1	0.04	0.04	0.04	0.04	0	0.04	0.04	0.048
Soot	1	0.32	0.32	0.32	0.32	0	0.32	0.32	0.001

**Table S5.** Frequency of reported units of opium and their corresponding estimated mass in grams in Kerman.

**Table S6.** Frequency of reported units of opium and their corresponding estimated mass in grams in Gonbad.