



HAL
open science

Life-time estrogen exposure and cognitive functioning in later life.

Joanne Ryan, Isabelle Carrière, Jacqueline Scali, Karen A. Ritchie,
Marie-Laure Ancelin

► To cite this version:

Joanne Ryan, Isabelle Carrière, Jacqueline Scali, Karen A. Ritchie, Marie-Laure Ancelin. Life-time estrogen exposure and cognitive functioning in later life.. *Psychoneuroendocrinology*, Elsevier, 2009, 34 (2), pp.287-98. 10.1016/j.psyneuen.2008.09.008 . inserm-00355040

HAL Id: inserm-00355040

<https://www.hal.inserm.fr/inserm-00355040>

Submitted on 21 Jan 2009

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

TABLE 1. Baseline characteristics of the 996 participants.

Baseline Characteristics	Participants
	%
≥12 years of education	28.6
Married or has a Partner	53.9
High Alcohol Intake (≥24 grams per day)	6.0
High Caffeine Intake (equivalent to ≥3 cups of coffee per day)	35.9
Current Smoker (≥10pkts each year)	3.7
Carrier of the Apoe4 allele	17.8
Depression (CESD≥16)	34.5
Anticholinergic Medication	6.3
Antidepressant or Benzodiazepine Medication	9.6
Comorbidity ^a	37.7
Incapacities	4.2
	<u>Mean (sd)</u>
Age	72.8 (5.5)
Age at 1 st Menses	13.1 (1.6)
Age at Menopause	49.5 (5.4)
Number of Reproductive Years ^b	36.6 (5.6)
	%
Surgical Menopause	18.7
Oral Contraceptive Use	19.1
Nulliparous	12.0
<u>Number of Children</u>	%
0	12.0
1	16.3
2 or 3	54.8
>3	16.9
<u>Age at birth of 1st child</u>	%
≤ 20	18.7
21 - 29	59.4
≥ 30	21.9
<u>Hormone Treatment (HT)</u>	%
Never	65.8
Past	19.4
Current	14.8
<u>Duration of HT</u>	%
Never	65.8
0 – 9 years of Past use	11.8
≥ 10 years of Past use	7.6
0 – 9 years of Current use	3.7
≥ 10 years of Current use	11.0

^aIncludes a chronic disease (cardiovascular disease, other heart problems, high blood pressure, high cholesterol, diabetes, thyroid problems), or cancer diagnosed within the last 2 years. ^c Age at menopause minus age at first menses. ^b N=876 parous women.