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| **Supplementary Table 2: Regression Models Selection** | |
| **Tested Models** | **AIC** |
| Patients with BD subgroup (Cortical GM Volume ~ Use of Li) | |
| Cortical GM Volume ~ Use of Li | 6407.71 |
| Cortical GM Volume ~ Age, Sex, Use of Li | 6297.50 |
| Cortical GM Volume ~ Age, Sex, Use of Li, Illness duration | 6299.44 |
| Cortical GM Volume ~ Age, Sex, Use of Li, History of OH misuse, Illness duration | 6295.97 |
|  | |
| Whole sample (Cortical GM Volume ~ Diagnosis) | |
| Cortical GM Volume ~ Diagnosis | 14165.19 |
| Cortical GM Volume ~ Age, Sex, Diagnosis | 13885.96 |
| Cortical GM Volume ~ Age, Sex, Diagnosis, History of OH misuse | 13884.92 |
|  | |
| Whole sample (Cortical GM Volume ~ Clinical status) | |
| Cortical GM Volume ~ Clinical status | 14011.26 |
| Cortical GM Volume ~ Age, Sex, Clinical status | 13731.38 |
| Cortical GM Volume ~ Age, Sex, Clinical status, History of OH misuse | 13729.96 |
| AIC: Akaike's information criterion; BD: bipolar disorder; BIC: Bayesian information criterion; GM: grey matter; Li: lithium; OH: alcohol. | |