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Public availability of raw data in articles published in journals indexed in JCR Substance abuse category

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Figure 1. Percentage of articles with supplementary material by quartiles in JCR

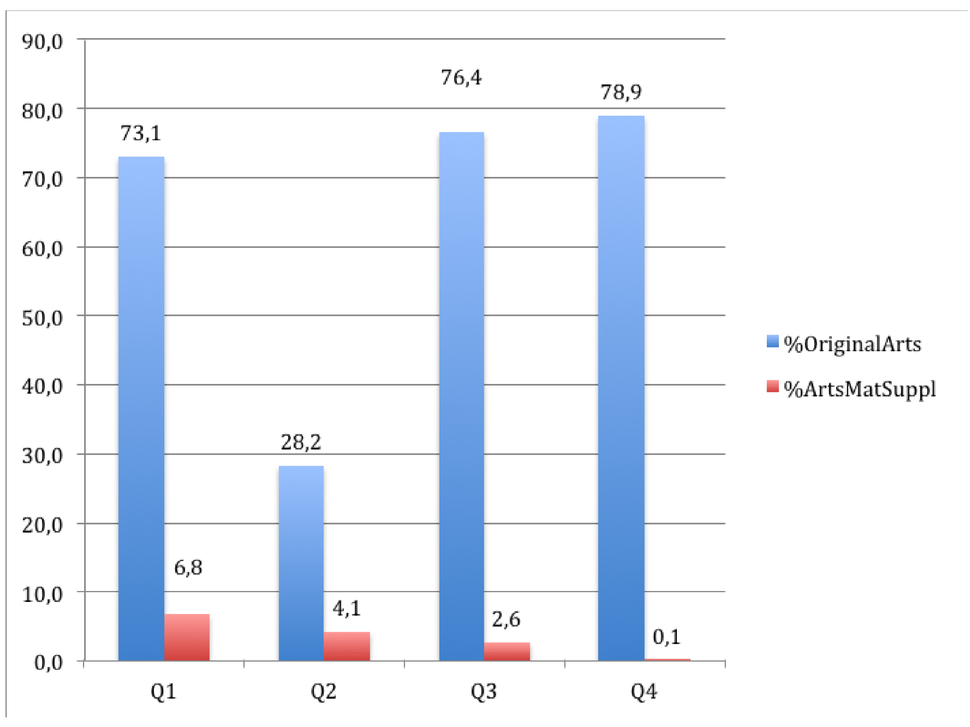
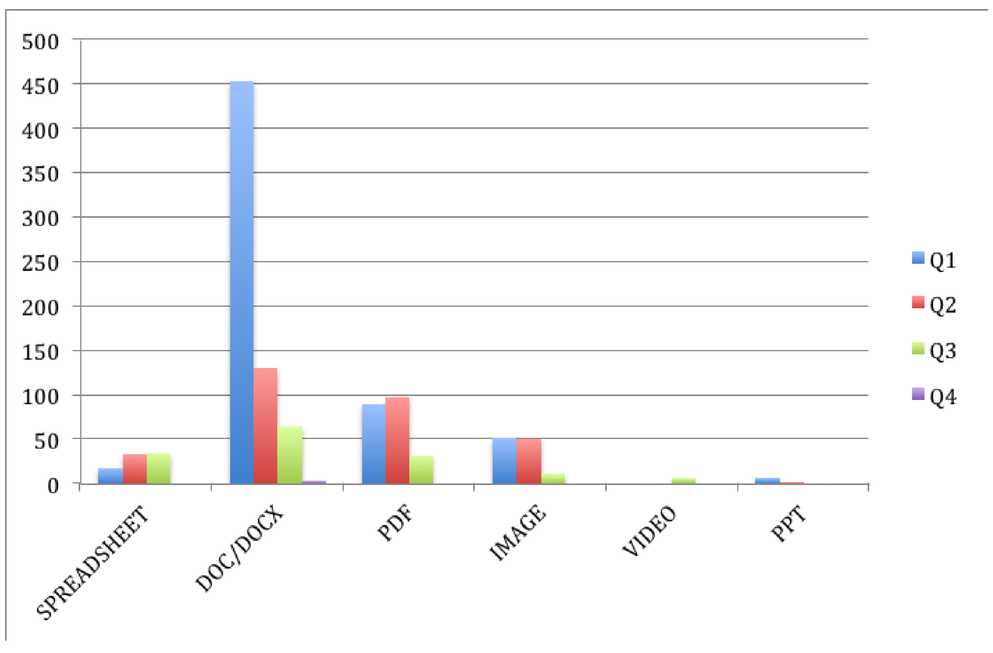


Table 1. Files typology

	N	%
Spreadsheets (.xls, .xlsx …)	82	7,7
Text (.doc, .docx …)	647	60,6
.pdf	216	20,2
Image (.tiff, .png, .jpg …)	110	10,3
Video (.avi, .mpg …)	5	0,5
Slides (.ppt, .pptx …)	6	0,6
Other	1	0,1

Figure 2. Distribution of files by quartile in JCR



Objective

To analyze the public availability of datasets in articles published in scientific journals indexed in the Substance Abuse category of the Journal Citation Reports (JCR).

Methods

1.Search for supplementary material of original articles of 39 journals in PubMed Central repository (PMC).
2. Search for quartile of journals in JCR

Results

➢28,516 items in 39 journals (52,3% original articles).

➢697 (4,7%) original articles contained supplementary material in PMC.

➢3 out of the 4 quartiles had a percentage range of 70-80% of original articles.

➢Text and pdf files are the most frequent materials, especially tables and figures.

➢Spreadsheets and raw data (i.e., xls, xlsx…) represented the 7.7% of the supplementary material.

➢Files were related principally to Genetics, biomarkers and micro arrays, but there are also tissue analysis, statistical data, figures, alcoholic beverages prices inventory and brain mapping data.

Conclusions

1.Substance abuse researchers are not confident enough to share their research data.
2.Future changes in editorial and governmental policies might increase the raw data availability and, consequently, the scientific progress.

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