D4.2 - Description of database for mammographic density

B-CAST studies have been surveyed to initially assess the available mammograms and mammographic density measurements; see D4.2_attachment_WP4_survey_final. Information was requested on technical type of mammograms, breast view position, diagnostic and pre-diagnostic mammograms, mammograms for controls, available density measurements, and mode of detection.

The data dictionary for the mammographic density database has been constructed based on the survey result and in accordance with the BCAC/MODE template. The available parameters include mammographic density measures for per cent density, dense area, non-dense area, and BI-RADS breast composition categorization. Available parameters are also coded identifier information for the woman, date of birth, case - control status, body mass index, tumour breast laterality, mammogram laterality, date of mammogram, breast view position, mode of detection, and technical type of mammogram.

STRATUS density measurement software is piloted in B-CAST. STRATUS measures mammographic density on both digital and analogue mammograms. Output measures are per cent density, dense area, and non-dense area. User-friendly interface and mammogram quality checking module is currently developed for ease of use by the B-CAST studies.

B-CAST studies are scheduled in accordance with the main B-CAST time table to deliver the data described in the data dictionary. The STRATUS density measurement software will also be made available for the studies for this delivery.

D4.2_attachment_WP4_survey_final

B-CAST
WP4 survey

This survey was developed for assessing the availability of data on mammography density and other factors in BCAC studies. Please take a few minutes of your time to complete it.

1. Please enter the study acronym for the BCAC study for which you provide information in this survey.

Study acronym	

2. Did you collect mammograms or data on mammographic measures (without mammograms) for breast cancer patients or controls?

○ Yes

○ No

3. What kind of mammographic data did you collect for cases and/or controls?

☐ Mammograms for cases   ☐ Mammograms for controls

☐ Mammographic measures for cases   ☐ Mammographic measures for controls

☐ I don't know

4. Which type(s) of mammograms do you have?

- ☐ Digital (full-field)
- ☐ Analog (full-field)
- ☐ Other type [   ]

- ☐ I don't know

5. Which view(s) of mammograms do you have?

- ☐ MLO view
- ☐ CC view
- ☐ Other view [   ]

- ☐ I don't know

6. From which machine manufacturer(s) do you have digital or analog mammograms? (please specify all)

- ☐ Manufacturer 1 [   ]
- ☐ Manufacturer 2 [   ]
- ☐ Manufacturer 3 [   ]
- ☐ Manufacturer 4 [   ]
- ☐ Manufacturer 5 [   ]
- ☐ Manufacturer 6 [   ]
- ☐ Manufacturer 7 [   ]
- ☐ Manufacturer 8 [   ]

- ☐ I don't know

7. Which type(s) of measures are available?

- [ ] Percent density
- [ ] Dense area
- [ ] Breast area
- [ ] Dense volume
- [ ] Breast volume
- [ ] BI-RADS
- [ ] Other type (please specify)

- [ ] No measures
- [ ] I don't know

8. Which methods were used to derive the mammographic density measures (e.g. Cumulus)?

- [ ] Method 1
- [ ] Method 2
- [ ] Method 3
- [ ] Method 4

- [ ] No specific methods were used
- [ ] I don't know the method(s)

9. Do you have any BCAC risk factor data for subjects with mammograms/mammographic data? (see BCAC dictionary)

- [ ] Yes, (almost) complete set of variables, for most of the cases
- [ ] Yes, part set of variables, for most of the cases
- [ ] No risk factor data for cases

- [ ] Yes, (almost) complete set of variables, for most of the controls
- [ ] Yes, part set of variables, for most of the controls
- [ ] No risk factor data for controls

- [ ] I don't know

10. Are the mammograms or measures from diagnostic and/or pre-diagnostic mammograms (i.e. >3 months prior to diagnosis) for the breast cancer cases?

○ Mainly diagnostic mammograms

○ Mainly pre-diagnostic mammograms

○ I don't know

11. Are the mammograms from the time of risk factor data assessment for the controls (i.e. +-3 months from study entry)?

○ yes

○ no

○ I don't know

12. Did you collect data on history of prior breast biopsies?

○ Yes

○ No

13. What Information on benign diseases are available?

☐ Information on whether the women had any benign disease

☐ Information on type of benign disease

☐ Date (or age) at diagnosis of benign breast disease

☐ I don't know

14. Did you collect data on mode of detection of breast cancer in the patients?

○ yes

○ no

15. What infomation on mode of detection is available?

☐ Screen versus non-screen detected

☐ Detailed detection mode (mammography, sonography, palpation)

☐ I don't know

16. Did you collect data on comorbidity?

◯ yes

◯ no

17. At which time point was the information for comorbidity collected?

☐ Pre-diagnostic

☐ At recruitment, but asking patients about pre-diagnostic situation (e.g. one year before diagnosis)

☐ At recruitment i.e. post-diagnostic for patients (case-control study)

☐ I don't know

18. Did you collect data on medication?

◉ yes

◯ no

19. Please specify for which medications you have collected information.

- ☐ Aspirin/Non-steroidal anti-inflammatory drugs
- ☐ Lipid lowerings drugs (statins)
- ☐ Metformin
- ☐ Insulin
- ☐ Other drugs [   ]

- ☐ I don't know

20. Please indicate if you have the following detailed information on the use of medications.

- ☐ Regular use or not
- ☐ Frequency of use
- ☐ Dose of medication
- ☐ Start/end date of regular use or duration of regular use

- ☐ I don't know

21. Are Anatomical Therapeutic Chemical (ATC) Classification System codes available for the medications?

- ○ yes
- ○ no

- ○ I don't know

22. Did you collect data on occupation?

- ○ yes
- ○ no

23. Did you collect information on home address / residence history?

- ○ yes
- ○ no

- ○ I don't know

24.

Please use the space below to provide comments on the survey or additional information

Thank you for completing this questionnaire!

We would like to thank you very much for helping us.

Your answers were transmitted, you may close the browser window or tab now.